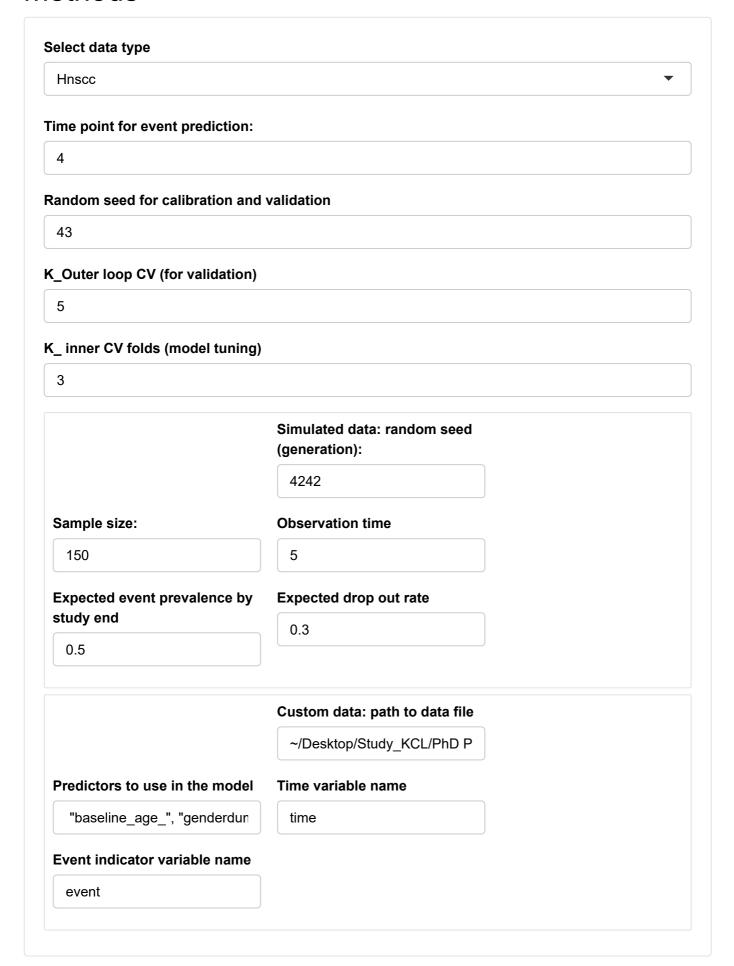
## Simulated examples for the survival ensemble methods



Ens3: extended CoxPH Summary Conclusions

Internally cross-validated results:

Show 10 v entries Search:

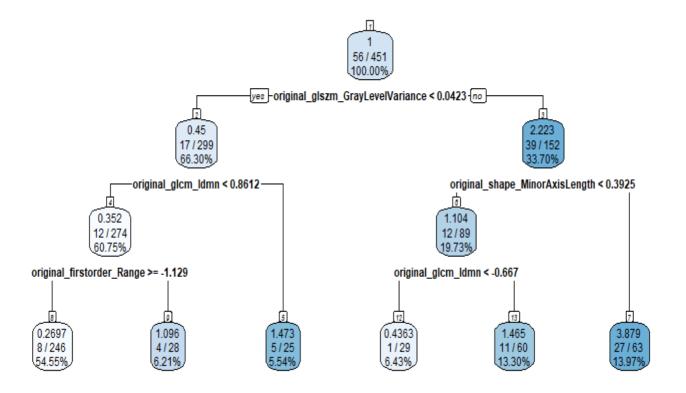
	AUCROC \$	BS 🕏	BS_scaled ‡	C_score ‡	Calib_slope 🕯	Calib_alpha 🗦	Τ ‡
test	0.539	0.3461	-2.319	0.5379	-0.1211	-0.2014	4
train	0.7637	0.2109	-0.9611	0.7573	0.319	-0.1473	4
Showin	ng 1 to 2 of 2 ent	ries			Р	revious 1	Next

Internally cross-validated Test results for each CV fold:

Show 10 ✓ entries Search:

	AUCROC ‡	BS 🕏	BS_scaled ‡	C_score ‡	Calib_slope 🕯	Calib_alpha 🕯	<b>T</b> *
test.1	0.4089	0.4757	-4.8462	0.4127	-0.0122	-0.3494	4
test.2	0.6963	0.3558	-1.4111	0.677	0.067	-0.2683	4
test.3	0.4834	0.2263	-1.6881	0.4859	-0.7134	-0.0345	4
test.4	0.5207	0.4572	-2.2776	0.527	-0.0176	-0.2244	4
test.5	0.5858	0.2152	-1.3721	0.5868	0.0704	-0.1306	4

Showing 1 to 5 of 5 entries Previous 1 Next



Error: figure margins too large

```
[[1]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                     -7.340e+03
                                                      2.529e+03
original_firstorder_90Percentile
original_firstorder_Energy
                                                     -1.117e+03
original_firstorder_Entropy
                                                      3.110e+03
                                                      8.169e+03
original_firstorder_InterquartileRange
original_firstorder_Kurtosis
                                                      1.486e+02
original_firstorder_Maximum
                                                     -1.126e+03
original firstorder Mean
                                                      2.116e+03
original_firstorder_MeanAbsoluteDeviation
                                                     -4.127e+03
original firstorder Median
                                                     -1.131e+03
original firstorder Minimum
                                                     -8.579e+03
original firstorder Range
                                                      0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation
                                                     -8.440e+03
original_firstorder_RootMeanSquared
                                                      2.593e+03
original firstorder Skewness
                                                      3.908e+02
                                                      0.000e+00
original firstorder TotalEnergy
original_firstorder_Uniformity
                                                      2.711e+03
original_firstorder_Variance
                                                      1.667e+04
original glcm Autocorrelation
                                                      4.655e+04
original_glcm_ClusterProminence
                                                     -1.599e+05
original_glcm_ClusterShade
                                                     -7.705e+02
original_glcm_ClusterTendency
                                                     -2.067e+04
original_glcm_Contrast
                                                     -6.182e+04
original_glcm_Correlation
                                                      2.333e+01
original_glcm_DifferenceAverage
                                                     -8.862e+03
original glcm DifferenceEntropy
                                                      4.750e+03
original_glcm_DifferenceVariance
                                                      7.248e+04
original_glcm_Id
                                                     -3.487e+04
original glcm Idm
                                                      3.227e+04
original glcm Idmn
                                                     -5.654e+02
original_glcm_Idn
                                                      2.992e+03
original_glcm_Imc1
                                                      1.455e+03
                                                      2.181e+02
original glcm Imc2
original glcm InverseVariance
                                                     -2.375e+03
                                                     -1.414e+04
original glcm JointAverage
original_glcm_JointEnergy
                                                     -5.666e+03
original glcm JointEntropy
                                                      1.417e+03
original glcm MCC
                                                     -9.627e+01
original glcm MaximumProbability
                                                      1.255e+03
original glcm SumAverage
                                                      0.000e+00
original glcm SumEntropy
                                                     -3.434e+03
original glcm SumSquares
                                                      4.829e+04
original_gldm_DependenceEntropy
                                                      1.008e+03
                                                      1.138e+03
original gldm DependenceNonUniformity
original gldm DependenceNonUniformityNormalized
                                                     -6.747e+02
original gldm DependenceVariance
                                                     -1.277e+03
original_gldm_GrayLevelNonUniformity
                                                      3.115e+03
original_gldm_GrayLevelVariance
                                                     -4.286e+04
```

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original_gldm_HighGrayLevelEmphasis	1.227e+02
original_gldm_LargeDependenceEmphasis	-4.548e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	-2.724e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	8.407e+04
original_gldm_LowGrayLevelEmphasis	-7.605e+03
original_gldm_SmallDependenceEmphasis	-6.917e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.118e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.731e+02
original_glrlm_GrayLevelNonUniformity	-5.180e+03
original_glrlm_GrayLevelNonUniformityNormalized	2.690e+03
original_glrlm_GrayLevelVariance	1.025e+04
original_glrlm_HighGrayLevelRunEmphasis	-4.036e+04
original_glrlm_LongRunEmphasis	-3.885e+03
original_glrlm_LongRunHighGrayLevelEmphasis	5.594e+03
original_glrlm_LongRunLowGrayLevelEmphasis	2.359e+04
original_glrlm_LowGrayLevelRunEmphasis	-6.996e+02
original_glrlm_RunEntropy	7.207e+02
original glrlm RunLengthNonUniformity	2.392e+02
original_glrlm_RunLengthNonUniformityNormalized	5.613e+01
original_glrlm_RunPercentage	6.395e+01
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	-3.717e+02
original_glszm_GrayLevelNonUniformityNormalized	6.736e+01
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	-5.507e+01
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.051e+04
original_glszm_LowGrayLevelZoneEmphasis	-2.719e+01
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	-3.507e+00
original_shape_Flatness	-4.070e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	1.194e+01
original_shape_Sphericity	0.000e+00

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original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	0.000e+00
original_firstorder_90Percentile	Inf
original_firstorder_Energy	0.000e+00
original_firstorder_Entropy	Inf
original_firstorder_InterquartileRange	Inf
original_firstorder_Kurtosis	3.352e+64
original_firstorder_Maximum	0.000e+00
original_firstorder_Mean	Inf
original_firstorder_MeanAbsoluteDeviation	0.000e+00
original_firstorder_Median	0.000e+00
original_firstorder_Minimum	0.000e+00
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
original_firstorder_RootMeanSquared	Inf
original_firstorder_Skewness	5.026e+169
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	Inf
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	1.354e+10
original_glcm_DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	Inf
original_glcm_DifferenceVariance	Inf
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	2.847e-246
original_glcm_Idn	Inf
original_glcm_Imc1	Inf
original_glcm_Imc2	5.217e+94
original_glcm_InverseVariance	0.000e+00
original_glcm_JointAverage	0.000e+00
original_glcm_JointEnergy	0.000e+00
original_glcm_JointEntropy	Inf
original_glcm_MCC	1.547e-42
original_glcm_MaximumProbability	Inf
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	Inf
original_gldm_DependenceEntropy	Inf
original_gldm_DependenceNonUniformity	Inf
<pre>original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance</pre>	9.217e-294 0.000e+00
original_gldm_Dependencevariance original_gldm_GrayLevelNonUniformity	0.000e+00 Inf
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	1.932e+53
original_gldm_LargeDependenceEmphasis	0.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
2. 151101 5101 Ecochemic asterestimbulasts	<b>1</b> 111

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original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	3.785e-301
original_gldm_SmallDependenceHighGrayLevelEmphasis	Inf
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.437e+75
original_glrlm_GrayLevelNonUniformity	0.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	Inf
original_glrlm_GrayLevelVariance	Inf
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	Inf
original_glrlm_LongRunLowGrayLevelEmphasis	Inf
original_glrlm_LowGrayLevelRunEmphasis	1.447e-304
original_glrlm_RunEntropy	Inf
original_glrlm_RunLengthNonUniformity	7.354e+103
original_glrlm_RunLengthNonUniformityNormalized	2.372e+24
original_glrlm_RunPercentage	5.914e+27
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	3.694e-162
original_glszm_GrayLevelNonUniformityNormalized	1.790e+29
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.208e-24
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	Inf
original_glszm_LowGrayLevelZoneEmphasis	1.561e-12
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	3.000e-02
original_shape_Flatness	1.708e-02
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.535e+05
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
	se(coef)

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original_firstorder_10Percentile	4.116e+02
original_firstorder_90Percentile	1.349e+02
original_firstorder_Energy	2.664e+02
original_firstorder_Entropy	1.417e+02
original_firstorder_InterquartileRange	2.755e+02
original_firstorder_Kurtosis	2.553e+02
original_firstorder_Maximum	1.027e+02
original_firstorder_Mean	2.030e+02
original_firstorder_MeanAbsoluteDeviation	2.390e+02
original_firstorder_Median	1.335e+02
original_firstorder_Minimum	3.647e+02
original_firstorder_Range	1.179e+02
original_firstorder_RobustMeanAbsoluteDeviation	3.081e+02
original_firstorder_RootMeanSquared	1.658e+02
original_firstorder_Skewness	2.319e+02
original_firstorder_TotalEnergy	2.664e+02
original_firstorder_Uniformity	1.525e+02
original_firstorder_Variance	4.356e+02
original_glcm_Autocorrelation	2.258e+02
original_glcm_ClusterProminence	7.635e+03
original_glcm_ClusterShade	1.173e+03
original_glcm_ClusterTendency	5.386e+02
original_glcm_Contrast	9.604e+02
original_glcm_Correlation	1.729e+02
original_glcm_DifferenceAverage	2.334e+02
original_glcm_DifferenceEntropy	2.075e+02
original_glcm_DifferenceVariance	1.039e+03
original_glcm_Id	1.833e+02
original_glcm_Idm	1.779e+02
original_glcm_Idmn	3.006e+02
	2.697e+02
original_glcm_Idn	
original_glcm_Imc1	2.164e+02
original_glcm_Imc2	1.442e+02
original_glcm_InverseVariance	2.692e+02
original_glcm_JointAverage	3.348e+02
original_glcm_JointEnergy	2.030e+02
original_glcm_JointEntropy	1.383e+02
original_glcm_MCC	1.343e+02
original_glcm_MaximumProbability	1.526e+02
original_glcm_SumAverage	3.348e+02
original_glcm_SumEntropy	1.371e+02
original_glcm_SumSquares	5.915e+02
original_gldm_DependenceEntropy	1.898e+02
original_gldm_DependenceNonUniformity	4.962e+02
original_gldm_DependenceNonUniformityNormalized	2.376e+02
original_gldm_DependenceVariance	1.316e+02
original_gldm_GrayLevelNonUniformity	2.927e+02
original_gldm_GrayLevelVariance	4.355e+02
original_gldm_HighGrayLevelEmphasis	2.262e+02
original_gldm_LargeDependenceEmphasis	1.514e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.538e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.736e+03
original_gldm_LowGrayLevelEmphasis	5.798e+03
original_gldm_SmallDependenceEmphasis	2.031e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.944e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.254e+03
26	

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original_glrlm_GrayLevelNonUniformity	3.587e+02
original_glrlm_GrayLevelNonUniformityNormalized	1.769e+02
original_glrlm_GrayLevelVariance	3.515e+02
original_glrlm_HighGrayLevelRunEmphasis	2.260e+02
original_glrlm_LongRunEmphasis	2.225e+02
original_glrlm_LongRunHighGrayLevelEmphasis	2.085e+02
original_glrlm_LongRunLowGrayLevelEmphasis	4.424e+03
original_glrlm_LowGrayLevelRunEmphasis	4.932e+03
original glrlm RunEntropy	1.997e+02
original_glrlm_RunLengthNonUniformity	3.374e+02
original_glrlm_RunLengthNonUniformityNormalized	1.744e+02
original_glrlm_RunPercentage	1.538e+02
original_glrlm_RunVariance	2.508e+02
<pre>original_glrlm_ShortRunEmphasis original glrlm ShortRunHighGrayLevelEmphasis</pre>	1.700e+02
	1.910e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	3.893e+03
original_glszm_GrayLevelNonUniformity	2.992e+02
original_glszm_GrayLevelNonUniformityNormalized	3.790e+02
original_glszm_GrayLevelVariance	1.363e+02
original_glszm_HighGrayLevelZoneEmphasis	2.485e+02
original_glszm_LargeAreaEmphasis	4.795e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	4.012e+02
original_glszm_LargeAreaLowGrayLevelEmphasis	4.565e+03
original_glszm_LowGrayLevelZoneEmphasis	1.358e+03
original_glszm_SizeZoneNonUniformity	2.043e+02
original_glszm_SizeZoneNonUniformityNormalized	1.159e+02
original_glszm_SmallAreaEmphasis	1.313e+02
original_glszm_SmallAreaHighGrayLevelEmphasis	2.240e+02
original_glszm_SmallAreaLowGrayLevelEmphasis	8.296e+02
original_glszm_ZoneEntropy	1.920e+02
original_glszm_ZonePercentage	2.113e+02 4.788e+02
original_glszm_ZoneVariance	9.994e+02
original_ngtdm_Busyness	
<pre>original_ngtdm_Coarseness original_ngtdm_Complexity</pre>	8.186e+02 1.849e+02
original_ngtdm_Contrast	1.788e+03
original_ngtdm_Strength	4.559e+02
original_shape_Elongation	9.065e+01
original_shape_Flatness	1.133e+02
original_shape_LeastAxisLength	5.198e+02
original_shape_MajorAxisLength	1.415e+02
original_shape_Maximum2DDiameterColumn	1.897e+02
original_shape_Maximum2DDiameterRow	1.416e+02
original_shape_Maximum2DDiameterSlice	4.151e+02
original_shape_Maximum3DDiameter	1.886e+02
original_shape_MeshVolume	3.138e+02
original_shape_MinorAxisLength	5.084e+02
original_shape_Sphericity	1.963e+02
original_shape_SurfaceArea	6.585e+02
original_shape_SurfaceVolumeRatio	1.994e+02 3.150e+02
original_shape_VoxelVolume	
original_firstorder_10Percentile	z -17.833
original_firstorder_90Percentile	18.757
original_firstorder_swrencentile original_firstorder_Energy	-4.195
original_firstorder_Entropy	21.953
or return 1 1 3 cor act _tilt opy	21.933

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	20 650
original_firstorder_InterquartileRange	29.650
original_firstorder_Kurtosis	0.582
original_firstorder_Maximum	-10.964
original_firstorder_Mean	10.423
original_firstorder_MeanAbsoluteDeviation	-17.268
original_firstorder_Median	-8.473
original_firstorder_Minimum	-23.524
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	-27.392
original_firstorder_RootMeanSquared	15.644
original_firstorder_Skewness	1.685
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	17.775
original_firstorder_Variance	38.257
original_glcm_Autocorrelation	206.174
original_glcm_ClusterProminence	-20.938
original_glcm_ClusterShade	-0.657
original_glcm_ClusterTendency	-38.385
original_glcm_Contrast	-64.370
original_glcm_Correlation	0.135
original_glcm_DifferenceAverage	-37.973
original_glcm_DifferenceEntropy	22.892
original_glcm_DifferenceVariance	69.760
original_glcm_Id	-190.248
	181.372
original_glcm_Idm	
original_glcm_Idm	-1.881
original_glcm_Idn	11.094
original_glcm_Imc1	6.723
original_glcm_Imc2	1.512
original_glcm_InverseVariance	-8.823
original_glcm_JointAverage	-42.221
original_glcm_JointEnergy	-27.910
original_glcm_JointEntropy	10.244
original_glcm_MCC	-0.717
original_glcm_MaximumProbability	8.225
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	-25.046
original_glcm_SumSquares	81.644
original_gldm_DependenceEntropy	5.309
original_gldm_DependenceNonUniformity	2.293
original_gldm_DependenceNonUniformityNormalized	-2.839
original_gldm_DependenceVariance	-9.707
original_gldm_GrayLevelNonUniformity	10.641
original_gldm_GrayLevelVariance	-98.423
original_gldm_HighGrayLevelEmphasis	0.542
original_gldm_LargeDependenceEmphasis	-30.036
original_gldm_LargeDependenceHighGrayLevelEmphasis	-17.714
original_gldm_LargeDependenceLowGrayLevelEmphasis	30.726
original_gldm_LowGrayLevelEmphasis	-1.312
original_gldm_SmallDependenceEmphasis	-3.406
original_gldm_SmallDependenceHighGrayLevelEmphasis	5.751
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.138
original_glrlm_GrayLevelNonUniformity	-14.440
original_glrlm_GrayLevelNonUniformityNormalized	15.205
original_glrlm_GrayLevelVariance	29.173
original_glrlm_HighGrayLevelRunEmphasis	-178.635

1	
original_glrlm_LongRunEmphasis	-17.462
original_glrlm_LongRunHighGrayLevelEmphasis	26.827
original_glrlm_LongRunLowGrayLevelEmphasis	5.332
original_glrlm_LowGrayLevelRunEmphasis	-0.142
original_glrlm_RunEntropy	3.609
original_glrlm_RunLengthNonUniformity	0.709
original_glrlm_RunLengthNonUniformityNormalized	0.322
original_glrlm_RunPercentage	0.416
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	-1.242
original_glszm_GrayLevelNonUniformityNormalized	0.178
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	-0.222
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	2.302
original_glszm_LowGrayLevelZoneEmphasis	-0.020
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	-0.039
original_shape_Flatness	-0.036
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original shape Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
	0.023
original_shape_MinorAxisLength	
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
oniginal finstandan 10Dancontila	p < 2e-16
original_firstorder_10Percentile	
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	2.73e-05
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	0.560516
original_firstorder_Maximum	< 2e-16
original_firstorder_Mean	< 2e-16

original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
	1.000000
original_firstorder_Range	
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	0.092024
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	< 2e-16
original_glcm_ClusterShade	0.511374
original_glcm_ClusterTendency	< 2e-16
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	0.892676
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	< 2e-16
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	0.060018
original_glcm_Idn	< 2e-16
original_glcm_Imc1	1.78e-11
original_glcm_Imc2	0.130510
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	0.473351
original_glcm_MaximumProbability	< 2e-16
original_glcm_SumAverage	1.000000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	< 2e-16
original_gldm_DependenceEntropy	1.10e-07
original_gldm_DependenceNonUniformity	0.021840
original_gldm_DependenceNonUniformityNormalized	0.004521
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	0.587508
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	
original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
original_gldm_LowGrayLevelEmphasis	0.189632
original_gldm_SmallDependenceEmphasis	0.000658
original_gldm_SmallDependenceHighGrayLevelEmphasis	8.89e-09
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.890207
original_glrlm_GrayLevelNonUniformity	< 2e-16
original_glrlm_GrayLevelNonUniformityNormalized	< 2e-16
original_glrlm_GrayLevelVariance	< 2e-16
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	< 2e-16
original_glrlm_LongRunHighGrayLevelEmphasis	< 2e-16
original_glrlm_LongRunLowGrayLevelEmphasis	9.73e-08
original_glrlm_LowGrayLevelRunEmphasis	0.887194

```
original glrlm RunEntropy
                                                    0.000307
original glrlm RunLengthNonUniformity
                                                    0.478426
original glrlm RunLengthNonUniformityNormalized
                                                    0.747549
original glrlm RunPercentage
                                                    0.677522
original_glrlm_RunVariance
                                                    1.000000
original glrlm ShortRunEmphasis
                                                    1.000000
original_glrlm_ShortRunHighGrayLevelEmphasis
                                                    1.000000
original_glrlm_ShortRunLowGrayLevelEmphasis
                                                    1.000000
                                                    0.214170
original_glszm_GrayLevelNonUniformity
original_glszm_GrayLevelNonUniformityNormalized
                                                    0.858954
original_glszm_GrayLevelVariance
                                                    1 000000
original_glszm_HighGrayLevelZoneEmphasis
                                                    0.824633
original_glszm_LargeAreaEmphasis
                                                    1.000000
original_glszm_LargeAreaHighGrayLevelEmphasis
                                                    1.000000
original glszm LargeAreaLowGrayLevelEmphasis
                                                    0.021314
original_glszm_LowGrayLevelZoneEmphasis
                                                    0.984025
original glszm SizeZoneNonUniformity
                                                    1.000000
original glszm SizeZoneNonUniformityNormalized
                                                    1.000000
original_glszm_SmallAreaEmphasis
                                                    1.000000
original glszm SmallAreaHighGrayLevelEmphasis
                                                    1.000000
original glszm SmallAreaLowGrayLevelEmphasis
                                                    1.000000
original glszm ZoneEntropy
                                                    1.000000
original_glszm_ZonePercentage
                                                    1.000000
original_glszm_ZoneVariance
                                                    1.000000
original ngtdm Busyness
                                                    1.000000
original_ngtdm_Coarseness
                                                    1.000000
original_ngtdm_Complexity
                                                    1.000000
original ngtdm Contrast
                                                    1.000000
                                                    1.000000
original ngtdm Strength
original_shape_Elongation
                                                    0.969142
original_shape_Flatness
                                                    0.971348
                                                    1.000000
original_shape_LeastAxisLength
original_shape_MajorAxisLength
                                                    1.000000
original_shape_Maximum2DDiameterColumn
                                                    1.000000
original_shape_Maximum2DDiameterRow
                                                    1.000000
original shape Maximum2DDiameterSlice
                                                    1,000000
                                                    1.000000
original_shape_Maximum3DDiameter
original_shape_MeshVolume
                                                    1.000000
original shape MinorAxisLength
                                                    0.981262
original_shape_Sphericity
                                                    1,000000
original_shape_SurfaceArea
                                                    1.000000
original_shape_SurfaceVolumeRatio
                                                    1.000000
original shape VoxelVolume
                                                    1.000000
Likelihood ratio test=87.78 on 107 df, p=0.9124
n= 60, number of events= 11
[[2]]
Call:
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                      1.435e+04
original_firstorder_90Percentile
                                                     -1.167e+04
```

i		
	original_firstorder_Energy	2.101e+03
	original_firstorder_Entropy	6.689e+03
	original_firstorder_InterquartileRange	-1.339e+03
	original_firstorder_Kurtosis	7.505e+01
	original_firstorder_Maximum	-2.949e+04
	original_firstorder_Mean	1.032e+04
	original_firstorder_MeanAbsoluteDeviation	-1.849e+04
	original_firstorder_Median	-1.669e+04
	original_firstorder_Minimum	2.956e+04
	original_firstorder_Range	4.934e+04
	original_firstorder_RobustMeanAbsoluteDeviation	5.159e+03
	original_firstorder_RootMeanSquared	1.962e+04
	original_firstorder_Skewness	1.142e+03
	original_firstorder_TotalEnergy	0.000e+00
	original firstorder Uniformity	-1.367e+03
	original_firstorder_Variance	5.789e+04
	original_glcm_Autocorrelation	2.389e+04
	original_glcm_ClusterProminence	-7.302e+08
	original_glcm_ClusterShade	-1.420e+07
	original_glcm_ClusterTendency	4.661e+05
	original_glcm_Contrast	1.326e+06
	original_glcm_Correlation	-3.643e+03
	original_glcm_DifferenceAverage	-1.264e+04
	original_glcm_DifferenceEntropy	-6.679e+03
	original_glcm_DifferenceVariance	-9.308e+05
	original_glcm_Id	-1.440e+04
	original_glcm_Idm	1.967e+04
	original_glcm_Idmn	-1.399e+02
	original_glcm_Idn	5.292e+01
	original_glcm_Imc1	-2.496e+01
	original_glcm_Imc2	2.111e+01
	original_glcm_InverseVariance	-2.657e+01
	original_glcm_JointAverage	0.000e+00
	original_glcm_JointEnergy	1.846e+01
	original_glcm_JointEntropy	0.000e+00
	original_glcm_MCC	2.863e+00
	original_glcm_MaximumProbability	1.401e+01
	original_glcm_SumAverage	0.000e+00
	original_glcm_SumEntropy	3.289e+02
	original_glcm_SumSquares	-2.011e+04
		0.000e+00
	original_gldm_DependenceEntropy	
	original_gldm_DependenceNonUniformity	0.000e+00
	original_gldm_DependenceNonUniformityNormalized	-1.969e+01
	original_gldm_DependenceVariance	0.000e+00
	original_gldm_GrayLevelNonUniformity	-2.397e+00
	original_gldm_GrayLevelVariance	-3.862e+03
	original_gldm_HighGrayLevelEmphasis	0.000e+00
	original_gldm_LargeDependenceEmphasis	0.000e+00
	original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
	original_gldm_LargeDependenceLowGrayLevelEmphasis	1.095e-01
	original_gldm_LowGrayLevelEmphasis	7.993e+00
	original_gldm_SmallDependenceEmphasis	0.000e+00
	$original\_gldm\_SmallDependence High Gray Level Emphasis$	0.000e+00
	original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00
	original_glrlm_GrayLevelNonUniformity	2.127e+00
	original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00

original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	3.742e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original glszm HighGrayLevelZoneEmphasis	2.803e+02
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	-9.801e-02
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	0.000e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	1.139e+01
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	Inf
original_firstorder_90Percentile	0.000e+00
original_firstorder_Energy	Inf
original_firstorder_Entropy	Inf
original_firstorder_InterquartileRange	0.000e+00
original_firstorder_Kurtosis	3.933e+32

original_firstorder_Maximum	0.000e+00
original_firstorder_Mean	Inf
original_firstorder_MeanAbsoluteDeviation	0.000e+00
original_firstorder_Median	0.000e+00
original_firstorder_Minimum	Inf
original_firstorder_Range	Inf
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	Inf
original firstorder Skewness	Inf
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	0.000e+00
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	Inf
original_glcm_Contrast	Inf
original_glcm_Correlation	0.000e+00
original_glcm_DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	0.000e+00
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	1.786e-61
original_glcm_Idn	9.579e+22
original_glcm_Imc1	1.443e-11
original_glcm_Imc2	1.476e+09
original_glcm_InverseVariance	2.882e-12
original_glcm_JointAverage	1.000e+00
original_glcm_JointEnergy	1.036e+08
original glcm JointEntropy	1.000e+00
original_glcm_MCC	1.752e+01
original_glcm_MaximumProbability	1.216e+06
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	6.858e+142
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	1.000e+00
original_gldm_DependenceNonUniformity	1.000e+00
original_gldm_DependenceNonUniformityNormalized	2.822e-09
original_gldm_DependenceVariance	1.000e+00
original_gldm_GrayLevelNonUniformity	9.103e-02
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	1.000e+00
original_gldm_LargeDependenceEmphasis	1.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.116e+00
original_gldm_LowGrayLevelEmphasis	2.959e+03
original_gldm_SmallDependenceEmphasis	1.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000e+00
original_glrlm_GrayLevelNonUniformity	8.394e+00
original_glrlm_GrayLevelNonUniformityNormalized	1.000e+00
original_glrlm_GrayLevelVariance	1.000e+00
original_glrlm_HighGrayLevelRunEmphasis	1.000e+00
original_glrlm_LongRunEmphasis	1.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00

original_glrlm_LongRunLowGrayLevelEmphasis	4.218e+01
original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original glrlm ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.000e+00
original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	5.514e+121
	1.000e+00
original_glszm_LargeAreaEmphasis	
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	9.066e-01
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00 1.000e+00
original_shape_Elongation	
original_shape_Flatness	1.000e+00 1.000e+00
original_shape_LeastAxisLength	
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	8.850e+04
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
anisinal finatandan 10Danaantila	se(coef)
original_firstorder_10Percentile	1.932e+04
original_firstorder_90Percentile	1.218e+04 8.593e+04
original_firstorder_Energy	1.080e+04
<pre>original_firstorder_Entropy original_firstorder_InterquartileRange</pre>	3.698e+04
	1.686e+04
<pre>original_firstorder_Kurtosis original_firstorder_Maximum</pre>	9.442e+04
original_firstorder_Mean	1.042e+04
original_firstorder_MeanAbsoluteDeviation	4.120e+04
original_firstorder_Median	8.721e+03
OLTETIOT LITERITAL	0./218+03

original_firstorder_Minimum	1.586e+04
original_firstorder_Range	3.249e+04
original_firstorder_RobustMeanAbsoluteDeviation	3.827e+04
original_firstorder_RootMeanSquared	1.636e+04
original_firstorder_Skewness	1.326e+04
	8.593e+04
original_firstorder_TotalEnergy	7.960e+03
original_firstorder_Uniformity	
original_firstorder_Variance	5.955e+05
original_glcm_Autocorrelation	5.805e+04 7.842e+08
original_glcm_ClusterProminence	
original_glcm_ClusterShade	1.796e+07
original_glcm_ClusterTendency	8.243e+05
original_glcm_Contrast	1.029e+06
original_glcm_Correlation	9.701e+03
original_glcm_DifferenceAverage	4.037e+04
original_glcm_DifferenceEntropy	1.739e+04
original_glcm_DifferenceVariance	1.214e+06
original_glcm_Id	1.265e+04
original_glcm_Idm	1.369e+04
original_glcm_Idmn	4.155e+03
original_glcm_Idn	4.347e+03
original_glcm_Imc1	6.511e+03
original_glcm_Imc2	6.350e+03
original_glcm_InverseVariance	6.205e+03
original_glcm_JointAverage	1.767e+04
original_glcm_JointEnergy	7.264e+03
original_glcm_JointEntropy	1.230e+04
original_glcm_MCC	8.317e+03
original_glcm_MaximumProbability	7.924e+03
original_glcm_SumAverage	1.767e+04
original_glcm_SumEntropy	1.102e+04
original_glcm_SumSquares	8.757e+05
original_gldm_DependenceEntropy	5.872e+03
original_gldm_DependenceNonUniformity	1.919e+04
original_gldm_DependenceNonUniformityNormalized	5.952e+03
original_gldm_DependenceVariance	6.077e+03
original_gldm_GrayLevelNonUniformity	1.619e+04
original_gldm_GrayLevelVariance	6.054e+05
original_gldm_HighGrayLevelEmphasis	5.825e+04
original_gldm_LargeDependenceEmphasis	5.263e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	8.042e+04
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.627e+03
original_gldm_LowGrayLevelEmphasis	2.424e+03
original_gldm_SmallDependenceEmphasis	9.565e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.207e+05
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.963e+03
original_glrlm_GrayLevelNonUniformity	1.764e+04
original_glrlm_GrayLevelNonUniformityNormalized	5.183e+03
original_glrlm_GrayLevelVariance	4.580e+05
original_glrlm_HighGrayLevelRunEmphasis	5.859e+04
original_glrlm_LongRunEmphasis	4.312e+03
original_glrlm_LongRunHighGrayLevelEmphasis	3.612e+04
original_glrlm_LongRunLowGrayLevelEmphasis	3.208e+03
original_glrlm_LowGrayLevelRunEmphasis	2.403e+03
original_glrlm_RunEntropy	4.670e+03
original_glrlm_RunLengthNonUniformity	2.594e+04

original_glrlm_RunLengthNonUniformityNormalized	5.516e+03
original_glrlm_RunPercentage	5.342e+03
original_glrlm_RunVariance	4.311e+03
original_glrlm_ShortRunEmphasis	5.612e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	5.670e+04
original_glrlm_ShortRunLowGrayLevelEmphasis	2.191e+03
original_glszm_GrayLevelNonUniformity	1.482e+04
$original\_glszm\_GrayLevelNonUniformityNormalized$	7.535e+03
original_glszm_GrayLevelVariance	1.890e+05
original_glszm_HighGrayLevelZoneEmphasis	6.102e+04
original_glszm_LargeAreaEmphasis	9.584e+03
original_glszm_LargeAreaHighGrayLevelEmphasis	1.498e+05
original_glszm_LargeAreaLowGrayLevelEmphasis	2.445e+03
original_glszm_LowGrayLevelZoneEmphasis	2.522e+03
original_glszm_SizeZoneNonUniformity	8.068e+04
original_glszm_SizeZoneNonUniformityNormalized	5.817e+03
original_glszm_SmallAreaEmphasis	4.708e+03
original glszm SmallAreaHighGrayLevelEmphasis	7.194e+04
original_glszm_SmallAreaLowGrayLevelEmphasis	4.631e+03
original_glszm_ZoneEntropy	1.045e+04
original_glszm_ZonePercentage	9.913e+03
original_glszm_ZoneVariance	9.667e+03
original_ngtdm_Busyness	2.698e+03
original_ngtdm_Coarseness	2.538e+03
original_ngtdm_Complexity	9.080e+05
original_ngtdm_Contrast	7.338e+04
original_ngtdm_Strength	9.856e+04
original_shape_Elongation	4.968e+03
original_shape_Flatness	4.470e+03
original_shape_LeastAxisLength	5.600e+03
original_shape_MajorAxisLength	4.558e+03
original_shape_Maximum2DDiameterColumn	6.280e+03
	5.556e+03
original_shape_Maximum2DDiameterRow	6.301e+03
original_shape_Maximum2DDiameterSlice	5.496e+03
original_shape_Maximum3DDiameter	
original_shape_MeshVolume	2.514e+04
original_shape_MinorAxisLength	4.701e+03
original_shape_Sphericity	6.153e+03
original_shape_SurfaceArea	2.168e+04
original_shape_SurfaceVolumeRatio	5.432e+03
original_shape_VoxelVolume	2.502e+04
	Z
original_firstorder_10Percentile	0.743
original_firstorder_90Percentile	-0.958
original_firstorder_Energy	0.024
original_firstorder_Entropy	0.619
original_firstorder_InterquartileRange	-0.036
original_firstorder_Kurtosis	0.004
original_firstorder_Maximum	-0.312
original_firstorder_Mean	0.991
original_firstorder_MeanAbsoluteDeviation	-0.449
original_firstorder_Median	-1.914
original_firstorder_Minimum	1.863
original_firstorder_Range	1.519
original_firstorder_RobustMeanAbsoluteDeviation	0.135
original_firstorder_RootMeanSquared	1.199

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original_firstorder_Skewness	0.086
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-0.172
original_firstorder_Variance	0.097
original_glcm_Autocorrelation	0.412
original_glcm_ClusterProminence	-0.931
original_glcm_ClusterShade	-0.791
original_glcm_ClusterTendency	0.565
original_glcm_Contrast	1.288
original_glcm_Correlation	-0.376
original_glcm_DifferenceAverage	-0.313
original_glcm_DifferenceEntropy	-0.384
original_glcm_DifferenceVariance	-0.766
original_glcm_Id	-1.138
original_glcm_Idm	1.437
original_glcm_Idmn	-0.034
original_glcm_Idn	0.012
original_glcm_Imc1	-0.004
original_glcm_Imc2	0.003
original_glcm_InverseVariance	-0.004
original_glcm_JointAverage	0.000
original_glcm_JointEnergy	0.003
original_glcm_JointEntropy	0.000
original_glcm_MCC	0.000
original_glcm_MaximumProbability	0.002
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.030
original_glcm_SumSquares	-0.023
original_gldm_DependenceEntropy	0.000
original_gldm_DependenceNonUniformity	0.000
original_gldm_DependenceNonUniformityNormalized	-0.003
original_gldm_DependenceVariance	0.000
original_gldm_GrayLevelNonUniformity	0.000
original_gldm_GrayLevelVariance	-0.006
original_gldm_HighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceEmphasis	0.000
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000
original_gldm_LowGrayLevelEmphasis	0.003
original_gldm_SmallDependenceEmphasis	0.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000
original_glrlm_GrayLevelNonUniformity	0.000
original_glrlm_GrayLevelNonUniformityNormalized	0.000
original_glrlm_GrayLevelVariance	0.000
original_glrlm_HighGrayLevelRunEmphasis	0.000
original_glrlm_LongRunEmphasis	0.000
original_glrlm_LongRunHighGrayLevelEmphasis	0.000
original_glrlm_LongRunLowGrayLevelEmphasis	0.001
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000

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oniginal glalm ChantBunllighChaul avalEmphasis	0 000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.005
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.002
original_shape_Maximum2DDiameterSlice	0.002
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	p
original_firstorder_10Percentile	0.4575
original_firstorder_90Percentile	0.3381
original_firstorder_Energy	0.9805
original_firstorder_Entropy	0.5356
original_firstorder_InterquartileRange	0.9711
original_firstorder_Kurtosis	0.9964
original_firstorder_Maximum	0.7548
original_firstorder_Mean	0.3218
original_firstorder_MeanAbsoluteDeviation	0.6536
original_firstorder_Median	0.0557
original_firstorder_Minimum	0.0624
original_firstorder_Range	0.1289
original_firstorder_RobustMeanAbsoluteDeviation	0.8928
original_firstorder_RootMeanSquared	0.2305
original_firstorder_Skewness	0.9314
original_firstorder_TotalEnergy	1.0000
original_firstorder_Uniformity	0.8636
original_firstorder_Variance	0.9226
I	

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-	,	
l	original_glcm_Autocorrelation	0.6807
l	original_glcm_ClusterProminence	0.3518
l	original_glcm_ClusterShade	0.4292
l	original_glcm_ClusterTendency	0.5718
l	original_glcm_Contrast	0.1978
l	original_glcm_Correlation	0.7073
l	original_glcm_DifferenceAverage	0.7542
l	original_glcm_DifferenceEntropy	0.7009
l	original_glcm_DifferenceVariance	0.4434
l	original_glcm_Id	0.2551
l	original_glcm_Idm	0.1507
l	original_glcm_Idmn	0.9731
l	original_glcm_Idn	0.9903
l	original_glcm_Imc1	0.9969
l	original_glcm_Imc2	0.9973
l	original_glcm_InverseVariance	0.9966
l	original_glcm_JointAverage	1.0000
l	original_glcm_JointEnergy	0.9980
l	original_glcm_JointEntropy	1.0000
l	original glcm MCC	0.9997
l	original_glcm_MaximumProbability	0.9986
l		1.0000
l	original_glcm_SumAverage	0.9762
l	original_glcm_SumEntropy	
l	original_glcm_SumSquares	0.9817
l	original_gldm_DependenceEntropy	1.0000
l	original_gldm_DependenceNonUniformity	1.0000
l	original_gldm_DependenceNonUniformityNormalized	0.9974
l	original_gldm_DependenceVariance	1.0000
l	original_gldm_GrayLevelNonUniformity	0.9999
l	original_gldm_GrayLevelVariance	0.9949
l	original_gldm_HighGrayLevelEmphasis	1.0000
l	original_gldm_LargeDependenceEmphasis	1.0000
l	original_gldm_LargeDependenceHighGrayLevelEmphasis	
l	original_gldm_LargeDependenceLowGrayLevelEmphasis	1.0000
l	original_gldm_LowGrayLevelEmphasis	0.9974
l	original_gldm_SmallDependenceEmphasis	1.0000
l	<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	1.0000
l	original_gldm_SmallDependenceLowGrayLevelEmphasis	1.0000
l	original_glrlm_GrayLevelNonUniformity	0.9999
l	original_glrlm_GrayLevelNonUniformityNormalized	1.0000
l	original_glrlm_GrayLevelVariance	1.0000
l	original_glrlm_HighGrayLevelRunEmphasis	1.0000
l	original_glrlm_LongRunEmphasis	1.0000
l	original_glrlm_LongRunHighGrayLevelEmphasis	1.0000
l	original_glrlm_LongRunLowGrayLevelEmphasis	0.9991
l	original_glrlm_LowGrayLevelRunEmphasis	1.0000
l	original_glrlm_RunEntropy	1.0000
l	original_glrlm_RunLengthNonUniformity	1.0000
	original_glrlm_RunLengthNonUniformityNormalized	1.0000
	original_glrlm_RunPercentage	1.0000
	original_glrlm_RunVariance	1.0000
	original_glrlm_ShortRunEmphasis	1.0000
	original_glrlm_ShortRunHighGrayLevelEmphasis	1.0000
	original_glrlm_ShortRunLowGrayLevelEmphasis	1.0000
	original_glszm_GrayLevelNonUniformity	1.0000
	original_glszm_GrayLevelNonUniformityNormalized	1.0000
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```
original glszm GrayLevelVariance
                                                    1.0000
original glszm HighGrayLevelZoneEmphasis
                                                    0.9963
original glszm LargeAreaEmphasis
                                                    1.0000
original glszm LargeAreaHighGrayLevelEmphasis
                                                    1.0000
original_glszm_LargeAreaLowGrayLevelEmphasis
                                                    1,0000
original glszm LowGrayLevelZoneEmphasis
                                                    1.0000
original_glszm_SizeZoneNonUniformity
                                                    1 0000
original_glszm_SizeZoneNonUniformityNormalized
                                                    1.0000
original_glszm_SmallAreaEmphasis
                                                    1.0000
original_glszm_SmallAreaHighGrayLevelEmphasis
                                                    1.0000
original_glszm_SmallAreaLowGrayLevelEmphasis
                                                    1.0000
original_glszm_ZoneEntropy
                                                    1.0000
original_glszm_ZonePercentage
                                                    1.0000
original_glszm_ZoneVariance
                                                    1.0000
original_ngtdm_Busyness
                                                    1.0000
original_ngtdm_Coarseness
                                                    1.0000
original_ngtdm_Complexity
                                                    1.0000
original ngtdm Contrast
                                                    1.0000
original_ngtdm_Strength
                                                    1.0000
original_shape_Elongation
                                                    1.0000
original shape Flatness
                                                    1.0000
original shape LeastAxisLength
                                                    1.0000
original_shape_MajorAxisLength
                                                    1.0000
original_shape_Maximum2DDiameterColumn
                                                    1.0000
original shape Maximum2DDiameterRow
                                                    0.9984
original_shape_Maximum2DDiameterSlice
                                                    1.0000
original_shape_Maximum3DDiameter
                                                    1.0000
original shape MeshVolume
                                                    1.0000
original shape MinorAxisLength
                                                    1.0000
original_shape_Sphericity
                                                    1.0000
original_shape_SurfaceArea
                                                    1.0000
original_shape_SurfaceVolumeRatio
                                                    1,0000
original_shape_VoxelVolume
                                                    1 0000
Likelihood ratio test=26.21 on 107 df, p=1
n= 28, number of events= 4
[[3]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                      7.969e+01
original firstorder 90Percentile
                                                     -3.906e+01
original firstorder Energy
                                                      5.367e+01
original firstorder Entropy
                                                     -1.497e+02
original firstorder InterquartileRange
                                                     -9.604e+01
original firstorder Kurtosis
                                                      9.239e+00
original firstorder Maximum
                                                     -4.282e+00
original firstorder Mean
                                                      8.738e+00
original_firstorder_MeanAbsoluteDeviation
                                                     -3.301e+01
original firstorder Median
                                                      2.736e+01
original_firstorder_Minimum
                                                     -8.687e+00
original_firstorder_Range
                                                      0.000e+00
```

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original_firstorder_RobustMeanAbsoluteDeviation	1.509e+02
original_firstorder_RootMeanSquared	-7.147e+01
original_firstorder_Skewness	1.342e+01
original_firstorder_TotalEnergy	0.000e+00
original_firstorder_Uniformity	-7.742e+01
	8.607e+01
original_firstorder_Variance	1.087e+02
original_glcm_Autocorrelation	4.875e+03
original_glcm_ClusterProminence	
original_glcm_ClusterShade	5.019e+02
original_glcm_ClusterTendency	-1.577e+02
original_glcm_Contrast	-4.108e+03
original_glcm_Correlation	9.131e+00
original_glcm_DifferenceAverage	6.787e+02
original_glcm_DifferenceEntropy	-4.931e+01
original_glcm_DifferenceVariance	2.829e+03
original_glcm_Id	1.602e+03
original_glcm_Idm	-1.279e+03
original_glcm_Idmn	3.390e+01
original_glcm_Idn	-4.230e+01
original_glcm_Imc1	-1.996e+01
original_glcm_Imc2	-4.343e+01
original_glcm_InverseVariance	1.389e+02
original_glcm_JointAverage	7.496e+00
original_glcm_JointEnergy	5.176e+01
original_glcm_JointEntropy	-1.628e+00
original_glcm_MCC	9.382e-01
original_glcm_MaximumProbability	-1.804e+00
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	4.516e+01
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	3.112e+01
original_gldm_DependenceNonUniformity	9.246e+01
original_gldm_DependenceNonUniformityNormalized	1.129e+01
original_gldm_DependenceVariance	-1.154e+01
original_gldm_GrayLevelNonUniformity	-3.975e+01
original_gldm_GrayLevelVariance	1.185e+02
original_gldm_HighGrayLevelEmphasis	-1.781e+03
original_gldm_LargeDependenceEmphasis	-1.714e+01
original_gldm_LargeDependenceHighGrayLevelEmphasis	3.006e+01
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.273e+02
original_gldm_LowGrayLevelEmphasis	1.525e+02
original_gldm_SmallDependenceEmphasis	-9.711e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	-1.366e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	-1.310e+01
original_glrlm_GrayLevelNonUniformity	1.870e+00
original_glrlm_GrayLevelNonUniformityNormalized	1.519e+01
original_glrlm_GrayLevelVariance	-5.903e+02
original_glrlm_HighGrayLevelRunEmphasis	5.818e+02
original_glrlm_LongRunEmphasis	-8.562e+01
original_glrlm_LongRunHighGrayLevelEmphasis	5.199e+00
original_glrlm_LongRunLowGrayLevelEmphasis	2.682e+01
original_glrlm_LowGrayLevelRunEmphasis	-9.506e+02
original_glrlm_RunEntropy	1.076e+02
original_glrlm_RunLengthNonUniformity	-7.532e+01
original_glrlm_RunLengthNonUniformityNormalized	5.643e+01
original_glrlm_RunPercentage	-5.392e+01
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original_glrlm_RunVariance	3.901e+01
original_glrlm_ShortRunEmphasis	-2.186e+01
original_glrlm_ShortRunHighGrayLevelEmphasis	1.134e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	6.829e+02
original_glszm_GrayLevelNonUniformity	2.091e+01
original_glszm_GrayLevelNonUniformityNormalized	2.228e+00
original_glszm_GrayLevelVariance	4.202e+01
original_glszm_HighGrayLevelZoneEmphasis	1.456e+01
original_glszm_LargeAreaEmphasis	-1.718e+03
original_glszm_LargeAreaHighGrayLevelEmphasis	-2.595e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	-7.118e+00
original_glszm_LowGrayLevelZoneEmphasis	2.996e+01
original_glszm_SizeZoneNonUniformity	-6.475e+00
original_glszm_SizeZoneNonUniformityNormalized	-3.181e+01
original_glszm_SmallAreaEmphasis	4.171e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	-4.764e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	-1.027e+01
original_glszm_ZoneEntropy	4.528e+00
original_glszm_ZonePercentage	-4.635e+00
original_glszm_ZoneVariance	1.720e+03
original_ngtdm_Busyness	2.791e+00
original_ngtdm_Coarseness	1.765e+01
original_ngtdm_Complexity	-1.184e+01
original_ngtdm_Contrast	-3.027e+01
original_ngtdm_Strength	-8.717e+00
original_shape_Elongation	4.279e+00
original_shape_Flatness	-9.417e+00
original_shape_LeastAxisLength	2.950e+01
original_shape_MajorAxisLength	1.765e+01
original_shape_Maximum2DDiameterColumn	-1.213e+01
original_shape_Maximum2DDiameterRow	-1.911e+01
original_shape_Maximum2DDiameterSlice	-8.064e+00
original_shape_Maximum3DDiameter	1.102e+01
original_shape_MeshVolume	-1.442e+03
original_shape_MinorAxisLength	3.643e+00
original_shape_Sphericity	-7.596e-01
original_shape_SurfaceArea	-3.708e+01
original_shape_SurfaceVolumeRatio	6.595e+01
original_shape_VoxelVolume	1.442e+03
or Iginal_Shape_voxelvolame	exp(coef)
original_firstorder_10Percentile	4.050e+34
original_firstorder_90Percentile	1.086e-17
original_firstorder_Energy	2.034e+23
original_firstorder_Entropy	9.658e-66
	1.957e-42
original_firstorder_InterquartileRange	
original_firstorder_Kurtosis	1.029e+04
original_firstorder_Maximum	1.382e-02
original_firstorder_Mean	6.235e+03
original_firstorder_MeanAbsoluteDeviation	4.635e-15
original_firstorder_Median	7.649e+11
original_firstorder_Minimum	1.687e-04
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	3.485e+65
original_firstorder_RootMeanSquared	9.104e-32
original_firstorder_Skewness	6.750e+05
original_firstorder_TotalEnergy	1.000e+00

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original_firstorder_Uniformity	2.380e-34
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	9.045e+217
original_glcm_ClusterTendency	3.137e-69
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	9.240e+03
original_glcm_DifferenceAverage	5.528e+294
original_glcm_DifferenceEntropy	3.863e-22
original_glcm_DifferenceVariance	Inf
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	5.289e+14
original_glcm_Idn	4.263e-19
original_glcm_Imc1	2.143e-09
original_glcm_Imc2	1.377e-19
original_glcm_InverseVariance	2.144e+60
original_glcm_JointAverage	1.801e+03
original_glcm_JointEnergy	3.016e+22
original_glcm_JointEntropy	1.964e-01
original_glcm_MCC	2.555e+00
original_glcm_MaximumProbability	1.646e-01
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	4.114e+19
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	3.269e+13
original_gldm_DependenceNonUniformity	1.434e+40
original_gldm_DependenceNonUniformityNormalized	8.023e+04
original_gldm_DependenceVariance	9.765e-06
original_gldm_GrayLevelNonUniformity	5.471e-18
original_gldm_GrayLevelVariance	3.044e+51
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	3.605e-08
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.135e+13
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.931e+55
original_gldm_LowGrayLevelEmphasis	1.677e+66
original_gldm_SmallDependenceEmphasis	6.064e-05
original_gldm_SmallDependenceHighGrayLevelEmphasis	2.551e-01
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.052e-06
original_glrlm_GrayLevelNonUniformity	6.488e+00
original_glrlm_GrayLevelNonUniformityNormalized	3.956e+06
original_glrlm_GrayLevelVariance	4.149e-257
original_glrlm_HighGrayLevelRunEmphasis	4.570e+252
original_glrlm_LongRunEmphasis	6.546e-38
original_glrlm_LongRunHighGrayLevelEmphasis	1.810e+02
original_glrlm_LongRunLowGrayLevelEmphasis	4.423e+11
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	5.556e+46
original_glrlm_RunLengthNonUniformity	1.953e-33
original_glrlm_RunLengthNonUniformityNormalized	3.204e+24
original_glrlm_RunPercentage	3.826e-24
original_glrlm_RunVariance	8.768e+16
original_glrlm_ShortRunEmphasis	3.220e-10
original_glrlm_ShortRunHighGrayLevelEmphasis	1.738e+49
original_glrlm_ShortRunLowGrayLevelEmphasis	3.620e+296
I	

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original_glszm_GrayLevelNonUniformity	1.203e+09
original_glszm_GrayLevelNonUniformityNormalized	9.281e+00
original_glszm_GrayLevelVariance	1.780e+18
original_glszm_HighGrayLevelZoneEmphasis	2.101e+06
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	7.466e-02
original_glszm_LargeAreaLowGrayLevelEmphasis	8.100e-04
original_glszm_LowGrayLevelZoneEmphasis	1.024e+13
original_glszm_SizeZoneNonUniformity	1.541e-03
original_glszm_SizeZoneNonUniformityNormalized	1.526e-14
original_glszm_SmallAreaEmphasis	1.299e+18
original_glszm_SmallAreaHighGrayLevelEmphasis	2.046e-21
original_glszm_SmallAreaLowGrayLevelEmphasis	3.467e-05
original_glszm_ZoneEntropy	9.254e+01
original_glszm_ZonePercentage	9.706e-03
original_glszm_ZoneVariance	Inf
original_ngtdm_Busyness	1.630e+01
original_ngtdm_Coarseness	4.642e+07
original_ngtdm_Complexity	7.175e-06
original_ngtdm_Contrast	7.112e-14
original_ngtdm_Strength	1.637e-04
original_shape_Elongation	7.220e+01
original_shape_Flatness	8.135e-05
original_shape_LeastAxisLength	6.489e+12
original_shape_MajorAxisLength	4.636e+07
original_shape_Maximum2DDiameterColumn	5.416e-06
original_shape_Maximum2DDiameterRow	5.015e-09
original_shape_Maximum2DDiameterSlice	3.146e-04
original_shape_Maximum3DDiameter	6.082e+04
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	3.819e+01
original_shape_Sphericity	4.679e-01
original_shape_SurfaceArea	7.908e-17
original_shape_SurfaceVolumeRatio	4.394e+28
original_shape_VoxelVolume	Inf
	se(coef)
original_firstorder_10Percentile	3.500e+00
original_firstorder_90Percentile	2.483e+00
original_firstorder_Energy	1.059e+01
original_firstorder_Entropy	2.583e+00
original_firstorder_InterquartileRange	1.135e+01
original_firstorder_Kurtosis	8.278e-01
original_firstorder_Maximum	3.843e+00
original_firstorder_Mean	2.025e+00
original_firstorder_MeanAbsoluteDeviation	5.526e+00
original_firstorder_Median	1.714e+00
original_firstorder_Minimum	1.323e+00
original_firstorder_Range	1.900e+00
original_firstorder_RobustMeanAbsoluteDeviation	1.089e+01
original_firstorder_RootMeanSquared	3.903e+00
original_firstorder_Skewness	1.864e+00
original_firstorder_TotalEnergy	1.059e+01
original_firstorder_Uniformity	2.775e+00
original_firstorder_Variance	1.548e+01
original_glcm_Autocorrelation	1.409e+00
original_glcm_ClusterProminence	7.323e+02

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original_glcm_ClusterShade	8.447e+01
original_glcm_ClusterTendency	3.070e+01
original_glcm_Contrast	3.750e+01
original_glcm_Correlation	1.836e+00
original_glcm_DifferenceAverage	5.455e+00
original_glcm_DifferenceEntropy	3.080e+00
original_glcm_DifferenceVariance	3.897e+01
original_glcm_Id	3.516e+00
original_glcm_Idm	3.424e+00
original_glcm_Idmn	8.524e-01
original_glcm_Idn	9.062e-01
original_glcm_Imc1	2.187e+00
original_glcm_Imc2	1.648e+00
original_glcm_InverseVariance	2.419e+00
	1.337e+00
original_glcm_JointAverage	3.580e+00
original_glcm_JointEnergy	
original_glcm_JointEntropy	3.164e+00
original_glcm_MCC	1.196e+00
original_glcm_MaximumProbability	2.978e+00
original_glcm_SumAverage	1.337e+00
original_glcm_SumEntropy	2.952e+00
original_glcm_SumSquares	3.296e+01
original_gldm_DependenceEntropy	3.164e+00
original_gldm_DependenceNonUniformity	2.477e+00
original_gldm_DependenceNonUniformityNormalized	3.104e+00
original_gldm_DependenceVariance	2.538e+00
original_gldm_GrayLevelNonUniformity	2.834e+00
original_gldm_GrayLevelVariance	1.587e+01
original_gldm_HighGrayLevelEmphasis	1.420e+00
original_gldm_LargeDependenceEmphasis	2.292e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	3.007e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	8.203e+00
original_gldm_LowGrayLevelEmphasis	3.265e+00
original_gldm_SmallDependenceEmphasis	1.869e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.460e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	6.671e-01
original_glrlm_GrayLevelNonUniformity	2.357e+00
original_glrlm_GrayLevelNonUniformityNormalized	2.486e+00
original_glrlm_GrayLevelVariance	1.320e+01
original_glrlm_HighGrayLevelRunEmphasis	1.410e+00
original_glrlm_LongRunEmphasis	4.207e+00
original_glrlm_LongRunHighGrayLevelEmphasis	2.586e+00
original_glrlm_LongRunLowGrayLevelEmphasis	9.244e+00
original_glrlm_LowGrayLevelRunEmphasis	3.012e+00
original_glrlm_RunEntropy	2.601e+00
original_glrlm_RunLengthNonUniformity	1.848e+00
original_glrlm_RunLengthNonUniformityNormalized	2.062e+00
original_glrlm_RunPercentage	2.127e+00
original_glrlm_RunVariance	5.434e+00
original_glrlm_ShortRunEmphasis	1.998e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.262e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	2.494e+00
original_glszm_GrayLevelNonUniformity	9.453e-01
$original\_glszm\_GrayLevelNonUniformityNormalized$	1.251e+00
original_glszm_GrayLevelVariance	4.722e+00
original_glszm_HighGrayLevelZoneEmphasis	1.349e+00

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- 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
original_glszm_LargeAreaEmphasis	3.093e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	4.807e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	7.667e+00
original_glszm_LowGrayLevelZoneEmphasis	1.879e+00
original_glszm_SizeZoneNonUniformity	1.964e+00
original_glszm_SizeZoneNonUniformityNormalized	1.627e+00
original_glszm_SmallAreaEmphasis	1.580e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.573e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.288e+00
original_glszm_ZoneEntropy	1.013e+00
original_glszm_ZonePercentage	1.685e+00
original_glszm_ZoneVariance	3.090e+00
original_ngtdm_Busyness	3.436e+00
original_ngtdm_Coarseness	3.166e-01
original_ngtdm_Complexity	5.675e+00
original_ngtdm_Contrast	3.295e+00
original_ngtdm_Strength	5.576e+00
original_shape_Elongation	6.367e-01
original_shape_Flatness	1.084e+00
original_shape_LeastAxisLength	9.233e-01
original_shape_MajorAxisLength	8.159e-01
original_shape_Maximum2DDiameterColumn	9.353e-01
original_shape_Maximum2DDiameterRow	9.996e-01
original_shape_Maximum2DDiameterSlice	1.061e+00
original_shape_Maximum3DDiameter	9.759e-01
original_shape_MeshVolume	3.039e+00
original_shape_MinorAxisLength	1.233e+00
original_shape_Sphericity	1.494e+00
original shape SurfaceArea	1.581e+00
original_shape_SurfaceVolumeRatio	2.206e+00
original shape VoxelVolume	
or.tgtuar_suabe_voxetvotume	2.974e+00
original_firstorder_10Percentile	z 22.770
original_firstorder_90Percentile	-15.732
original_firstorder_Energy	5.068
original_firstorder_Entropy	-57.959
	-8.465
original_firstorder_InterquartileRange	
<pre>original_firstorder_Kurtosis original_firstorder_Maximum</pre>	11.160 -1.114
original_firstorder_Mean	4.315
original_firstorder_MeanAbsoluteDeviation	-5.972
original_firstorder_Median	15.963
original_firstorder_Minimum	-6.566
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	
original_firstorder_RootMeanSquared	-18.312
original_firstorder_Skewness	7.201
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-27.903
original_firstorder_Variance	55.619
original_glcm_Autocorrelation	771.352
original_glcm_ClusterProminence	6.658
original_glcm_ClusterShade	5.941
original_glcm_ClusterTendency	-5.137
original_glcm_Contrast	-109.528
original_glcm_Correlation	4.973
<del>-</del>	

oniginal alam DiffononcoAvonago	124 402
original_glcm_DifferenceAverage	124.403
original_glcm_DifferenceEntropy	-16.006
original_glcm_DifferenceVariance	72.586
original_glcm_Id	455.528
original_glcm_Idm	-373.573
original_glcm_Idmn	39.774
original_glcm_Idn	-46.679
original_glcm_Imc1	-9.126
original_glcm_Imc2	-26.354
original_glcm_InverseVariance	57.418
original_glcm_JointAverage	5.609
original_glcm_JointEnergy	14.457
original_glcm_JointEntropy	-0.514
original_glcm_MCC	0.784
original_glcm_MaximumProbability	-0.606
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	15.299
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	9.836
original_gldm_DependenceNonUniformity	37.328
original_gldm_DependenceNonUniformityNormalized	3.638
original_gldm_DependenceVariance	-4.546
original_gldm_GrayLevelNonUniformity	-14.023
original_gldm_GrayLevelVariance	7.471
original_gldm_HighGrayLevelEmphasis	-1254.749
original_gldm_LargeDependenceEmphasis	-7.478
original_gldm_LargeDependenceHighGrayLevelEmphasis	9.997
original_gldm_LargeDependenceLowGrayLevelEmphasis	15.519
original_gldm_LowGrayLevelEmphasis	46.701
original_gldm_SmallDependenceEmphasis	-5.196
original_gldm_SmallDependenceHighGrayLevelEmphasis	-0.936
original_gldm_SmallDependenceLowGrayLevelEmphasis	-19.632
original_glrlm_GrayLevelNonUniformity	0.793
original_glrlm_GrayLevelNonUniformityNormalized	6.110
original_glrlm_GrayLevelVariance	-44.731
original_glrlm_HighGrayLevelRunEmphasis	412.686
original_glrlm_LongRunEmphasis	-20.354
original_glrlm_LongRunHighGrayLevelEmphasis	2.010
original_glrlm_LongRunLowGrayLevelEmphasis	2.901
original_glrlm_LowGrayLevelRunEmphasis	-315.624
original_glrlm_RunEntropy	41.382
original_glrlm_RunLengthNonUniformity	-40.758
original_glrlm_RunLengthNonUniformityNormalized	27.362
original_glrlm_RunPercentage	-25.349
original_glrlm_RunVariance	7.179
original_glrlm_ShortRunEmphasis	-10.938
original_glrlm_ShortRunHighGrayLevelEmphasis	89.868
original_glrlm_ShortRunLowGrayLevelEmphasis	273.845
original_glszm_GrayLevelNonUniformity	22.118
original_glszm_GrayLevelNonUniformityNormalized	1.781
original_glszm_GrayLevelVariance	8.900
original_glszm_HighGrayLevelZoneEmphasis	10.795
original_glszm_LargeAreaEmphasis	-555.355
original_glszm_LargeAreaHighGrayLevelEmphasis	-0.540
original_glszm_LargeAreaLowGrayLevelEmphasis	-0.928
original_glszm_LowGrayLevelZoneEmphasis	15.941

	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
original_glszm_SizeZoneNonUniformity	-3.297
original_glszm_SizeZoneNonUniformityNormalized	-19.558
original_glszm_SmallAreaEmphasis	26.391
original_glszm_SmallAreaHighGrayLevelEmphasis	-30.293
original_glszm_SmallAreaLowGrayLevelEmphasis	-7.975
original_glszm_ZoneEntropy	4.468
original_glszm_ZonePercentage	-2.751
original_glszm_ZoneVariance	556.545
original_ngtdm_Busyness	0.812
original_ngtdm_Coarseness	55.754
original_ngtdm_Complexity	-2.087
original_ngtdm_Contrast	-9.188
original_ngtdm_Strength	-1.563
original_shape_Elongation	6.721
original_shape_Flatness	-8.687
original_shape_LeastAxisLength	31.953
original_shape_MajorAxisLength	21.635
original_shape_Maximum2DDiameterColumn	-12.965
original_shape_Maximum2DDiameterRow	-19.119
original_shape_Maximum2DDiameterSlice	-7.599
original_shape_Maximum3DDiameter	11.288
original_shape_MeshVolume	-474.574
original_shape_MinorAxisLength	2.955
original_shape_Sphericity	-0.509
original_shape_SurfaceArea	-23.458
original_shape_SurfaceVolumeRatio	29.897
original_shape_VoxelVolume	484.899
	р
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	4.03e-07
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	< 2e-16
original_firstorder_Maximum	0.265210
original_firstorder_Mean	1.60e-05
original_firstorder_MeanAbsoluteDeviation	2.34e-09
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	5.19e-11
original_firstorder_Range	1.000000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	5.97e-13
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	2.79e-11
original_glcm_ClusterShade	2.83e-09
original_glcm_ClusterTendency	2.78e-07
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	6.60e-07
original_glcm_DifferenceAverage	< 2e-16
	< 2e-16 < 2e-16
original_glcm_DifferenceEntropy	
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16

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i		
	original_glcm_Idm	< 2e-16
	original_glcm_Idmn	< 2e-16
	original_glcm_Idn	< 2e-16
	original_glcm_Imc1	< 2e-16
	original_glcm_Imc2	< 2e-16
	original_glcm_InverseVariance	< 2e-16
	original_glcm_JointAverage	2.04e-08
	original_glcm_JointEnergy	< 2e-16
	original_glcm_JointEntropy	0.606946
	original_glcm_MCC	0.432946
	original_glcm_MaximumProbability	0.544685
	original_glcm_SumAverage	1.000000
	original_glcm_SumEntropy	< 2e-16
	original_glcm_SumSquares	1.000000
	original_gldm_DependenceEntropy	< 2e-16
	original_gldm_DependenceNonUniformity	< 2e-16
	original_gldm_DependenceNonUniformityNormalized	0.000275
	original_gldm_DependenceVariance	5.46e-06
	original_gldm_GrayLevelNonUniformity	< 2e-16
	original_gldm_GrayLevelVariance	7.95e-14
	original_gldm_HighGrayLevelEmphasis	< 2e-16
	original_gldm_LargeDependenceEmphasis	7.54e-14
	original_gldm_LargeDependenceHighGrayLevelEmphasis	
	original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
	original_gldm_LowGrayLevelEmphasis	< 2e-16
	original_gldm_SmallDependenceEmphasis	2.03e-07
	original_gldm_SmallDependenceHighGrayLevelEmphasis	
	original_gldm_SmallDependenceLowGrayLevelEmphasis	< 2e-16
	original_glrlm_GrayLevelNonUniformity	0.427661
	original_glrlm_GrayLevelNonUniformityNormalized	9.94e-10
	original_glrlm_GrayLevelVariance	< 2e-16
	original glrlm HighGrayLevelRunEmphasis	< 2e-16
	original_glrlm_LongRunEmphasis	< 2e-16
	original glrlm LongRunHighGrayLevelEmphasis	0.044411
	original_glrlm_LongRunLowGrayLevelEmphasis	0.003722
	original_glrlm_LowGrayLevelRunEmphasis	< 2e-16
	original_glrlm_RunEntropy	< 2e-16
	original_glrlm_RunLengthNonUniformity	< 2e-16
	original_glrlm_RunLengthNonUniformityNormalized	< 2e-16
	original_glrlm_RunPercentage	< 2e-16
	original_glrlm_RunVariance	7.03e-13
	original_glrlm_ShortRunEmphasis	< 2e-16
		< 2e-16
	original_glrlm_ShortRunHighGrayLevelEmphasis	
	original_glrlm_ShortRunLowGrayLevelEmphasis	< 2e-16
	original_glszm_GrayLevelNonUniformity	< 2e-16
	original_glszm_GrayLevelNonUniformityNormalized	0.074913
	original_glszm_GrayLevelVariance	< 2e-16
	original_glszm_HighGrayLevelZoneEmphasis	< 2e-16
	original_glszm_LangeAreaEmphasis	< 2e-16
	original_glszm_LangeAreaHighGrayLevelEmphasis	0.589315
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.353153
	original_glszm_LowGrayLevelZoneEmphasis	< 2e-16
	original_glszm_SizeZoneNonUniformity	0.000979
	original_glszm_SizeZoneNonUniformityNormalized	< 2e-16
	original_glszm_SmallAreaEmphasis	< 2e-16
	original_glszm_SmallAreaHighGrayLevelEmphasis	< 2e-16

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```
original glszm SmallAreaLowGrayLevelEmphasis
                                                    1.52e-15
original glszm ZoneEntropy
                                                    7.91e-06
original glszm ZonePercentage
                                                    0.005938
original glszm ZoneVariance
                                                     < 2e-16
original_ngtdm_Busyness
                                                    0.416632
original ngtdm Coarseness
                                                     < 2e-16
                                                    0.036877
original_ngtdm_Complexity
original_ngtdm_Contrast
                                                     < 2e-16
original_ngtdm_Strength
                                                    0.117949
original_shape_Elongation
                                                    1.80e-11
                                                     < 2e-16
original_shape_Flatness
original_shape_LeastAxisLength
                                                     < 2e-16
original_shape_MajorAxisLength
                                                     < 2e-16
original shape Maximum2DDiameterColumn
                                                     < 2e-16
original shape Maximum2DDiameterRow
                                                     < 2e-16
original_shape_Maximum2DDiameterSlice
                                                    2.99e-14
original shape Maximum3DDiameter
                                                     < 2e-16
original shape MeshVolume
                                                     < 2e-16
original_shape_MinorAxisLength
                                                    0.003123
original shape Sphericity
                                                    0.611043
original shape SurfaceArea
                                                     < 2e-16
original shape SurfaceVolumeRatio
                                                     < 2e-16
                                                     < 2e-16
original_shape_VoxelVolume
Likelihood ratio test=81.64 on 107 df, p=0.9676
n= 246, number of events= 8
[[4]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                      5.757e+03
original firstorder 90Percentile
                                                     -6.385e+03
                                                      1.425e+03
original_firstorder_Energy
original_firstorder_Entropy
                                                     -4.266e+03
original firstorder InterquartileRange
                                                     -1.080e+04
original firstorder Kurtosis
                                                      6.699e+02
original firstorder Maximum
                                                     -9.927e+02
original_firstorder_Mean
                                                     -4.242e+03
original firstorder MeanAbsoluteDeviation
                                                      1.284e+04
original firstorder Median
                                                      4.516e+03
original firstorder Minimum
                                                      3.113e+03
original firstorder Range
                                                      0.000e+00
original firstorder RobustMeanAbsoluteDeviation
                                                      1.039e+04
original firstorder RootMeanSquared
                                                      1.736e+03
original firstorder Skewness
                                                     -1.179e+03
original firstorder TotalEnergy
                                                      0.000e+00
original firstorder Uniformity
                                                      1.013e+04
original firstorder Variance
                                                     -1.937e+05
original_glcm_Autocorrelation
                                                      1.648e+04
original glcm ClusterProminence
                                                      1.602e+05
original_glcm_ClusterShade
                                                      5.794e+03
original_glcm_ClusterTendency
                                                     -1.844e+04
```

original_glcm_Contrast	4.474e+05
original_glcm_Correlation	1.393e+03
original_glcm_DifferenceAverage	-4.468e+04
original_glcm_DifferenceEntropy	1.124e+04
original_glcm_DifferenceVariance	-3.896e+05
original_glcm_Id	-8.946e+04
original_glcm_Idm	6.455e+04
original_glcm_Idmn	-3.728e+03
original_glcm_Idn	7.760e+03
original_glcm_Imc1	6.351e+02
original_glcm_Imc2	-7.867e+02
original_glcm_InverseVariance	-1.160e+04
original_glcm_JointAverage	-4.912e+03
original_glcm_JointEnergy	-8.571e+03
original_glcm_JointEntropy	-1.870e+04
original_glcm_MCC	-1.211e+03
original_glcm_MaximumProbability	1.927e+03
original glcm SumAverage	0.000e+00
original_glcm_SumEntropy	1.495e+04
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	7.167e+03
original_gldm_DependenceNonUniformity	-1.581e+03
original_gldm_DependenceNonUniformityNormalized	4.526e+03
original_gldm_DependenceVariance	-2.832e+03
original_gldm_GrayLevelNonUniformity	-3.823e+03
original_gldm_GrayLevelVariance	1.473e+05
original_gldm_HighGrayLevelEmphasis	-6.628e+04
original_gldm_LargeDependenceEmphasis	6.022e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	-4.138e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	5.257e+03
original_gldm_LowGrayLevelEmphasis	6.911e+04
original_gldm_SmallDependenceEmphasis	1.301e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	-2.289e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.083e+03
original_glrlm_GrayLevelNonUniformity	6.138e+03
original glrlm GrayLevelNonUniformityNormalized	-7.478e+03
original_glrlm_GrayLevelVariance	2.652e+04
original_glrlm_HighGrayLevelRunEmphasis	5.530e+04
original_glrlm_LongRunEmphasis	-1.457e+03
original_glrlm_LongRunHighGrayLevelEmphasis	2.470e+03
original_glrlm_LongRunLowGrayLevelEmphasis	-1.030e+04
original_glrlm_LowGrayLevelRunEmphasis	-6.663e+04
original_glrlm_RunEntropy	-1.560e+03
original_glrlm_RunLengthNonUniformity	-1.734e+03
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	-1.525e+02
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	-2.805e+02
original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized	-1.181e+02
original_glszm_GrayLevelNononITormItyNormaIIZeu original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	-1.988e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
or Tetuat Etorii rai ReviceautRugi ahreveteiihuasta	0.00000

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original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	3.038e+03
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	6.803e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	6.079e+02
original_ngtdm_Coarseness	8.557e+01
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	5.412e+01
original_shape_Flatness	-4.930e+01
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	-5.066e+01
original_shape_Maximum2DDiameterColumn	-7.424e+01
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	Inf
original_firstorder_90Percentile	0.000e+00
original_firstorder_Energy	Inf
original_firstorder_Entropy	0.000e+00
original_firstorder_InterquartileRange	0.000e+00
original_firstorder_Kurtosis	8.962e+290
original_firstorder_Maximum	0.000e+00
original_firstorder_Mean	0.000e+00
original_firstorder_MeanAbsoluteDeviation	Inf
original_firstorder_Median	Inf
original_firstorder_Minimum	Inf
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	Inf
original_firstorder_Skewness	0.000e+00
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	
06	IIIT
original firstorder Variance	Inf 0.000e+00
original_firstorder_Variance original glcm Autocorrelation	0.000e+00
original_glcm_Autocorrelation	0.000e+00 Inf
<pre>original_glcm_Autocorrelation original_glcm_ClusterProminence</pre>	0.000e+00 Inf Inf
<pre>original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade</pre>	0.000e+00 Inf Inf Inf
original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency	0.000e+00 Inf Inf Inf 0.000e+00
original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast	0.000e+00 Inf Inf Inf 0.000e+00 Inf
original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation	0.000e+00 Inf Inf Inf 0.000e+00 Inf
original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast	0.000e+00 Inf Inf Inf 0.000e+00 Inf

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original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	0.000e+00
original_glcm_Idn	Inf
original_glcm_Imc1	6.876e+275
original_glcm_Imc2	0.000e+00
original_glcm_InverseVariance	0.000e+00
original_glcm_JointAverage	0.000e+00
original_glcm_JointEnergy	0.000e+00
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	0.000e+00
original_glcm_MaximumProbability	Inf
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	Inf
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	Inf
original_gldm_DependenceNonUniformity	0.000e+00
original_gldm_DependenceNonUniformityNormalized	Inf
original_gldm_DependenceVariance	0.000e+00
original_gldm_GrayLevelNonUniformity	0.000e+00
original_gldm_GrayLevelVariance	Inf
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	Inf
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
original_gldm_LowGrayLevelEmphasis	Inf
original_gldm_SmallDependenceEmphasis	Inf
original_gldm_SmallDependenceHighGrayLevelEmphasis	4.036e-100
original_gldm_SmallDependenceLowGrayLevelEmphasis	Inf
original glrlm GrayLevelNonUniformity	Inf
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	Inf
original_glrlm_HighGrayLevelRunEmphasis	Inf
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	Inf
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	5.703e-67
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.499e-122
original_glszm_GrayLevelNonUniformityNormalized	5.007e-52
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	4.402e-87
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_LowGrayLevelZoneEmphasis	Inf
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00

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original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	3.496e+29
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.068e+264
original_ngtdm_Coarseness	1.457e+37
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	3.177e+23
original_shape_Flatness	3.882e-22
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e-22
original_shape_Maximum2DDiameterColumn	5.715e-33
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
8a	se(coef)
original_firstorder_10Percentile	1.425e+00
original_firstorder_90Percentile	1.030e+00
original_firstorder_Energy	8.731e-01
original_firstorder_Entropy	1.463e+00
original_firstorder_InterquartileRange	7.682e+00
original_firstorder_Kurtosis	9.285e-01
original_firstorder_Maximum	1.106e+00
original_firstorder_Mean	1.066e+00
original_firstorder_MeanAbsoluteDeviation	3.736e+00
original firstorder Median	7.091e-01
original_firstorder_Minimum	1.775e+00
original_firstorder_Range	1.196e+00
original_firstorder_RobustMeanAbsoluteDeviation	5.438e+00
original_firstorder_RootMeanSquared	2.507e+00
original firstorder Skewness	1.242e+00
original_firstorder_TotalEnergy	8.731e-01
original_firstorder_Uniformity	2.107e+00
original_firstorder_Variance	1.097e+01
original_glcm_Autocorrelation	1.193e+00
original_glcm_ClusterProminence	1.409e+02
original_glcm_ClusterShade	1.007e+02
original_glcm_ClusterTendency	8.728e+00
original_glcm_Contrast	1.616e+01
original_glcm_Correlation	1.274e+00
original_glcm_DifferenceAverage	2.142e+00
original_glcm_DifferenceEntropy	1.488e+00
original_glcm_DifferenceVariance	1.863e+01
original_glcm_Id	1.532e+00
original_glcm_Idm	1.490e+00
original_glcm_Idmn	3.745e+00

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original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance original_glcm_InverseVariance original_glcm_JointEnergy original_glcm_JointEnergy original_glcm_JointEnerpy original_glcm_SointEnerpy original_glcm_SointEnerpy original_glcm_SounAverage original_glcm_SounAverage original_glcm_SumAverage original_glcm_SumAverage original_glcm_SumAverage original_glcm_SumAverage original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_GerylevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_GrayLevelVariance original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_RunlengthNonUniformity original_glrlm_RunlengthNonUniformity original_glrlm_RunlengthNonUniformity original_glrlm_RunlengthNonUniformity original_glrlm_RunlengthNonUniformity original_glrlm_RunlengthNonUniformity original_glrlm_RunlengthNonUniformity original_glrlm_ShortRunEmphasis original_glrlm_ShortRunEmphasis original_glrlm_ShortRunEmphasis original_glrlm_ShortRunlengthNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_ShortRunlengthNonUniformity original_glrlm_GrayLevelNonUniformi	original_glcm_Idn	1.955e+00
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original_glrlm_ShortRunEmphasis 6.070e-01 original_glrlm_ShortRunHighGrayLevelEmphasis 1.559e+00 original_glrlm_ShortRunLowGrayLevelEmphasis 1.389e+01 original_glszm_GrayLevelNonUniformity 2.115e-01 original_glszm_GrayLevelNonUniformityNormalized 2.695e+00 original_glszm_GrayLevelVariance 3.539e+00 original_glszm_HighGrayLevelZoneEmphasis 1.036e+00 original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glrlm_RunPercentage	5.749e-01
original_glrlm_ShortRunHighGrayLevelEmphasis 1.359e+00 original_glrlm_ShortRunLowGrayLevelEmphasis 1.389e+01 original_glszm_GrayLevelNonUniformity 2.115e-01 original_glszm_GrayLevelNonUniformityNormalized 2.695e+00 original_glszm_GrayLevelVariance 3.539e+00 original_glszm_HighGrayLevelZoneEmphasis 1.036e+00 original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glrlm_RunVariance	1.756e+00
original_glrlm_ShortRunLowGrayLevelEmphasis 1.389e+01 original_glszm_GrayLevelNonUniformity 2.115e-01 original_glszm_GrayLevelNonUniformityNormalized 2.695e+00 original_glszm_GrayLevelVariance 3.539e+00 original_glszm_HighGrayLevelZoneEmphasis 1.036e+00 original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glrlm_ShortRunEmphasis	6.070e-01
original_glszm_GrayLevelNonUniformity 2.115e-01 original_glszm_GrayLevelNonUniformityNormalized 2.695e+00 original_glszm_GrayLevelVariance 3.539e+00 original_glszm_HighGrayLevelZoneEmphasis 1.036e+00 original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glrlm_ShortRunHighGrayLevelEmphasis	1.559e+00
original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized original_glszm_SmallAreaEmphasis 1.094e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00	original_glrlm_ShortRunLowGrayLevelEmphasis	1.389e+01
original_glszm_GrayLevelVariance 3.539e+00 original_glszm_HighGrayLevelZoneEmphasis 1.036e+00 original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00	original_glszm_GrayLevelNonUniformity	2.115e-01
original_glszm_HighGrayLevelZoneEmphasis 1.036e+00 original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00	original_glszm_GrayLevelNonUniformityNormalized	2.695e+00
original_glszm_LargeAreaEmphasis 3.586e-01 original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00	original_glszm_GrayLevelVariance	3.539e+00
original_glszm_LargeAreaHighGrayLevelEmphasis 2.361e-01 original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 9.463e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glszm_HighGrayLevelZoneEmphasis	1.036e+00
original_glszm_LargeAreaLowGrayLevelEmphasis 4.536e+00 original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 1.094e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glszm_LargeAreaEmphasis	3.586e-01
original_glszm_LowGrayLevelZoneEmphasis 1.317e+01 original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 1.094e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00	original_glszm_LargeAreaHighGrayLevelEmphasis	2.361e-01
original_glszm_SizeZoneNonUniformity 4.507e-01 original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 1.094e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00		4.536e+00
original_glszm_SizeZoneNonUniformityNormalized 1.089e+00 original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 1.094e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00		
original_glszm_SmallAreaEmphasis 1.190e+00 original_glszm_SmallAreaHighGrayLevelEmphasis 1.094e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00		
original_glszm_SmallAreaHighGrayLevelEmphasis 1.094e+00 original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00		
original_glszm_SmallAreaLowGrayLevelEmphasis 9.463e+00		
original_glszm_ZoneEntropy 2.490e+00		
	original_glszm_ZoneEntropy	2.490e+00

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original_glszm_ZonePercentage	9.994e-01
original_glszm_ZoneVariance	3.580e-01
original_ngtdm_Busyness	2.932e+00
original_ngtdm_Coarseness	8.663e+00
original_ngtdm_Complexity	5.678e+00
original_ngtdm_Contrast	1.778e+01
original_ngtdm_Strength	7.246e+00
original_shape_Elongation	1.099e+00
original_shape_Flatness	1.018e+00
original_shape_LeastAxisLength	4.341e-01
original_shape_MajorAxisLength	8.804e-01
original_shape_Maximum2DDiameterColumn	8.311e-01
original_shape_Maximum2DDiameterRow	5.975e-01
original_shape_Maximum2DDiameterSlice	5.700e-01
original_shape_Maximum3DDiameter	5.221e-01
original_shape_MeshVolume	3.117e-01
original_shape_MinorAxisLength	5.665e-01
original_shape_Sphericity	7.891e-01
original_shape_SurfaceArea	2.231e-01
original_shape_SurfaceVolumeRatio	6.232e-01
original_shape_VoxelVolume	3.117e-01
of iginal_shape_voxervorame	3.117e-01 Z
original_firstorder_10Percentile	4040.789
original_firstorder_90Percentile	-6199.681
original_firstorder_Energy	1632.165
original_firstorder_Entropy	-2915.766
original_firstorder_InterquartileRange	-1405.955
original_firstorder_Kurtosis	721.505
original_firstorder_Maximum	-897.683
original_firstorder_Mean	-3978.692
original_firstorder_MeanAbsoluteDeviation	3437.667
original_firstorder_Median	6368.620
original_firstorder_Minimum	1753.832
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	1910.235
original_firstorder_RootMeanSquared	692.688
original_firstorder_Skewness	-949.759
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	4808.334
original_firstorder_Variance	-17651.567
original_glcm_Autocorrelation	13818.313
original_glcm_ClusterProminence	1136.667
original_glcm_ClusterShade	57.513
original_glcm_ClusterTendency	-2112.236
original_glcm_Contrast	27677.525
original_glcm_Correlation	1093.320
original_glcm_DifferenceAverage	-20859.677
original_glcm_DifferenceEntropy	7552.410
original_glcm_DifferenceVariance	-20905.375
original_glcm_Id	-58386.714
original_glcm_Idm	43308.665
original_glcm_Idmn	-995.435
original_glcm_Idn	3969.526
original_glcm_Imc1	842.263
original_glcm_Imc2	-782.313
original_glcm_InverseVariance	-4445.558
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	original_glcm_JointAverage	-2901.204
	original_glcm_JointEnergy	-2428.262
	original_glcm_JointEntropy	-11706.278
	original_glcm_MCC	-785.265
	original_glcm_MaximumProbability	313.793
	original_glcm_SumAverage	0.000
	original_glcm_SumEntropy	10651.061
	original_glcm_SumSquares	0.000
	original_gldm_DependenceEntropy	6197.596
	original_gldm_DependenceNonUniformity	-4613.344
	original_gldm_DependenceNonUniformityNormalized	5308.239
	original_gldm_DependenceVariance	-5679.308
	original_gldm_GrayLevelNonUniformity	-10146.068
	original_gldm_GrayLevelVariance	13375.369
	original_gldm_HighGrayLevelEmphasis	-55930.499
	original_gldm_LargeDependenceEmphasis	10502.095
	original_gldm_LargeDependenceHighGrayLevelEmphasis	
	original_gldm_LargeDependenceLowGrayLevelEmphasis	305.002
	original_gldm_LowGrayLevelEmphasis	3621.473
	original_gldm_SmallDependenceEmphasis	1446.544
	original_gldm_SmallDependenceHighGrayLevelEmphasis	-240.823
	original_gldm_SmallDependenceLowGrayLevelEmphasis	159.579
	original_glrlm_GrayLevelNonUniformity	19017.084
	original_glrlm_GrayLevelNonUniformityNormalized	-2350.349
	original_glrlm_GrayLevelVariance	1799.472 47060.622
	original_glrlm_HighGrayLevelRunEmphasis	
	original_glrlm_LongRunEmphasis	-1120.910
	original_glrlm_LongRunHighGrayLevelEmphasis	3848.029
	original_glrlm_LongRunLowGrayLevelEmphasis	-144.305
	original_glrlm_LowGrayLevelRunEmphasis	-3583.147
	original_glrlm_RunEntropy	-1722.109
	original_glrlm_RunLengthNonUniformity	-6583.607
	original_glrlm_RunLengthNonUniformityNormalized	0.000
	original_glrlm_RunPercentage	0.000
	original_glrlm_RunVariance	-86.841
	original_glrlm_ShortRunEmphasis	0.000
	original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
	original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
	original_glszm_GrayLevelNonUniformity	-1326.571
	original_glszm_GrayLevelNonUniformityNormalized	-43.834
	original_glszm_GrayLevelVariance	0.000
	original_glszm_HighGrayLevelZoneEmphasis	0.000
	original_glszm_LargeAreaEmphasis	-554.463
	original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
	original_glszm_LowGrayLevelZoneEmphasis	230.673
	original_glszm_SizeZoneNonUniformity	0.000
	original_glszm_SizeZoneNonUniformityNormalized	0.000
	original_glszm_SmallAreaEmphasis	0.000
	original_glszm_SmallAreaHighGrayLevelEmphasis	62.184
	original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
	original_glszm_ZoneEntropy	0.000
	original_glszm_ZonePercentage	0.000
	original_glszm_ZoneVariance	0.000
	original_ngtdm_Busyness	207.340
	original_ngtdm_Coarseness	9.877
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original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	49.244
original_shape_Flatness	-48.436
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	-57.538
original_shape_Maximum2DDiameterColumn	-89.325
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
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original_firstorder_10Percentile	<2e-16
original_firstorder_90Percentile	<2e-16
original_firstorder_Energy	<2e-16
original_firstorder_Entropy	<2e-16
original_firstorder_InterquartileRange	<2e-16
original_firstorder_Kurtosis	<2e-16
original_firstorder_Maximum	<2e-16
original_firstorder_Mean	<2e-16
original_firstorder_MeanAbsoluteDeviation	<2e-16
original_firstorder_Median	<2e-16
original_firstorder_Minimum	<2e-16
original_firstorder_Range	1
original_firstorder_RobustMeanAbsoluteDeviation	<2e-16
original_firstorder_RootMeanSquared	<2e-16
original_firstorder_Skewness	<2e-16
original_firstorder_TotalEnergy	1
original_firstorder_Uniformity	<2e-16
original_firstorder_Variance	<2e-16
original_glcm_Autocorrelation	<2e-16
original_glcm_ClusterProminence	<2e-16
original_glcm_ClusterShade	<2e-16
original_glcm_ClusterTendency	<2e-16
original_glcm_Contrast	<2e-16
original_glcm_Correlation	<2e-16
original_glcm_DifferenceAverage	<2e-16
original_glcm_DifferenceEntropy	<2e-16
original_glcm_DifferenceVariance	<2e-16
original_glcm_Id	<2e-16
original_glcm_Idm	<2e-16
original_glcm_Idmn	<2e-16
original_glcm_Idn	<2e-16
original_glcm_Imc1	<2e-16
original_glcm_Imc2	<2e-16
original_glcm_InverseVariance	<2e-16
original_glcm_JointAverage	<2e-16
original_glcm_JointEnergy	<2e-16
original_glcm_JointEntropy	<2e-16
original_glcm_MCC	<2e-16

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original_glcm_MaximumProbability	<2e-16
original_glcm_SumAverage	1
original_glcm_SumEntropy	<2e-16
original_glcm_SumSquares	1
original_gldm_DependenceEntropy	<2e-16
original_gldm_DependenceNonUniformity	<2e-16
original_gldm_DependenceNonUniformityNormalized	<2e-16
original_gldm_DependenceVariance	<2e-16
original_gldm_GrayLevelNonUniformity	<2e-16
original_gldm_GrayLevelVariance	<2e-16
original_gldm_HighGrayLevelEmphasis	<2e-16
original_gldm_LargeDependenceEmphasis	<2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	<2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	<2e-16
original_gldm_LowGrayLevelEmphasis	<2e-16
original_gldm_SmallDependenceEmphasis	<2e-16
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	<2e-16
original_glrlm_GrayLevelNonUniformity	<2e-16
original_glrlm_GrayLevelNonUniformityNormalized	<2e-16
original_glrlm_GrayLevelVariance	<2e-16
original_glrlm_HighGrayLevelRunEmphasis	<2e-16
original_glrlm_LongRunEmphasis	<2e-16
original_glrlm_LongRunHighGrayLevelEmphasis	<2e-16
original_glrlm_LongRunLowGrayLevelEmphasis	<2e-16
original_glrlm_LowGrayLevelRunEmphasis	<2e-16
original_glrlm_RunEntropy	<2e-16
original_glrlm_RunLengthNonUniformity	
original_glrlm_RunLengthNonUniformityNormalized	1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage	1 1
<pre>original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance</pre>	1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis	1 1 <2e-16 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis	1 1 <2e-16 1 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis	1 1 <2e-16 1 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity	1 1 <2e-16 1 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized	1 <2e-16 1 1 2e-16 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance	1 1 <2e-16 1 1 <2e-16 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis	1 1 <2e-16 1 1 <2e-16 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis	1 1 <2e-16 1 1 <2e-16 <2e-16 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityVoriginal_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis	1 1 <2e-16 1 1 <2e-16 <2e-16 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis	1 1 <2e-16 1 1 <2e-16 <2e-16 1 <2e-16 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis	1 1 <2e-16 1 (2e-16 <2e-16 1 <2e-16 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityVoriginal_glszm_GrayLevelVariance original_glszm_GrayLevelVariance original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_LowGrayLevelZoneEmphasis	1 1 <2e-16 1 1 <2e-16 <2e-16 1 <2e-16 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity	1 1 <2e-16 1 1 <2e-16 <2e-16 1 <2e-16 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityVoriginal_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized original_glszm_SmallAreaEmphasis	1 1 <2e-16 1 (2e-16 <2e-16 1 <2e-16 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized original_glszm_SmallAreaEmphasis	1 1 <2e-16 1 1 <2e-16 1 <2e-16 1 <2e-16 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis	1 1 <2e-16 1 1 <2e-16 1 <2e-16 1 1 <2e-16 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis	1 1 <2e-16 1 (2e-16 (2e-16 1 (2e-16 1 1 <2e-16 1 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy	1 1 <2e-16 1 1 <2e-16 1 <2e-16 1 <2e-16 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy original_glszm_ZonePercentage original_glszm_ZoneVariance	1 1 <2e-16 1 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 1 <1 1 <1 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy original_glszm_ZonePercentage original_glszm_ZoneVariance original_ngtdm_Busyness	1 1 <2e-16 1 1 <2e-16 2e-16 1 <2e-16 1 <2e-16 1 1 <2e-16 1 1 <2e-16 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy original_glszm_ZonePercentage original_glszm_ZoneVariance original_ngtdm_Busyness original_ngtdm_Busyness	1 1 <2e-16 6 1 1 <2e-16
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_GrayLevelVariance original_glszm_LargeAreaEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy original_glszm_ZonePercentage original_glszm_ZonePercentage original_glszm_ZoneVariance original_ngtdm_Busyness original_ngtdm_Coarseness original_ngtdm_Coarseness original_ngtdm_Complexity	1 1 <2e-16 1 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 1 <2e-16 1 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelVariance original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaHowGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy original_glszm_ZonePercentage original_glszm_ZoneVariance original_ngtdm_Coarseness original_ngtdm_Coarseness original_ngtdm_Complexity original_ngtdm_Complexity original_ngtdm_Contrast	1 1 <2e-16 1 1 <2e-16 <2e-16 1 1 1 <1 1 1 <1 1 1 1 1 1 1 1 1 1 1 1
original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_GrayLevelVariance original_glszm_LargeAreaEmphasis original_glszm_LargeAreaEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformity original_glszm_SmallAreaEmphasis original_glszm_SmallAreaEmphasis original_glszm_SmallAreaHighGrayLevelEmphasis original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy original_glszm_ZonePercentage original_glszm_ZonePercentage original_glszm_ZoneVariance original_ngtdm_Busyness original_ngtdm_Coarseness original_ngtdm_Coarseness original_ngtdm_Complexity	1 1 <2e-16 1 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 <2e-16 1 1 <2e-16 1 1

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```
original shape Flatness
                                                    <2e-16
original shape LeastAxisLength
original shape MajorAxisLength
                                                    <2e-16
original shape Maximum2DDiameterColumn
                                                    <2e-16
original_shape_Maximum2DDiameterRow
                                                         1
original shape Maximum2DDiameterSlice
                                                         1
                                                         1
original_shape_Maximum3DDiameter
                                                         1
original_shape_MeshVolume
original_shape_MinorAxisLength
                                                         1
original_shape_Sphericity
                                                         1
                                                         1
original_shape_SurfaceArea
original_shape_SurfaceVolumeRatio
                                                         1
original_shape_VoxelVolume
                                                         1
Likelihood ratio test=206.8 on 107 df, p=2.448e-08
n= 63, number of events= 27
[[5]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                     -1.947e+01
original_firstorder_90Percentile
                                                      3.194e+02
original_firstorder_Energy
                                                      7.004e+00
original firstorder Entropy
                                                     -4.409e+01
original firstorder InterquartileRange
                                                     -3.767e+01
original_firstorder_Kurtosis
                                                     -1.411e+02
original_firstorder_Maximum
                                                     -7.876e+01
original_firstorder_Mean
                                                     -5.025e+02
original_firstorder_MeanAbsoluteDeviation
                                                     -4.639e+02
original_firstorder_Median
                                                      1.665e+02
original_firstorder_Minimum
                                                      7.217e+01
original_firstorder_Range
                                                      1.211e+02
original_firstorder_RobustMeanAbsoluteDeviation
                                                      2.131e+01
original_firstorder_RootMeanSquared
                                                      3.605e+01
original firstorder Skewness
                                                      4.785e+01
original firstorder TotalEnergy
                                                      0.000e+00
                                                      1.540e+01
original_firstorder_Uniformity
original_firstorder_Variance
                                                      9.105e+01
original glcm Autocorrelation
                                                      2.630e+01
original glcm ClusterProminence
                                                     -3.469e+01
original glcm ClusterShade
                                                     -2.154e+02
original glcm ClusterTendency
                                                     -1.147e+02
original glcm Contrast
                                                      7.593e+02
original glcm Correlation
                                                      9.116e-01
original glcm DifferenceAverage
                                                     -1.766e+02
original glcm DifferenceEntropy
                                                      6.074e+01
original glcm DifferenceVariance
                                                     -3.982e+02
original glcm Id
                                                      2.264e+02
original_glcm_Idm
                                                     -2.545e+02
original glcm Idmn
                                                     -1.018e+01
original_glcm_Idn
                                                      0.000e+00
original_glcm_Imc1
                                                     -1.311e+00
```

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original_glcm_Imc2	-3.482e+00
original_glcm_InverseVariance	-1.395e-01
original_glcm_JointAverage	4.295e+00
original_glcm_JointEnergy	0.000e+00
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	3.352e-01
original_glcm_MaximumProbability	0.000e+00
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	1.078e+01
original_gldm_DependenceEntropy	-2.846e-01
original_gldm_DependenceNonUniformity	1.492e-01
original_gldm_DependenceNonUniformityNormalized	3.559e-02
original_gldm_DependenceVariance	2.228e-01
	0.000e+00
original_gldm_GrayLevelNonUniformity	0.000e+00
original_gldm_GrayLevelVariance	
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	0.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	-1.255e-01
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.100e-01
original_glrlm_GrayLevelNonUniformity	0.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	-8.261e-01
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original glszm GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	3.206e-01
original_glszm_HighGrayLevelZoneEmphasis	8.887e-01
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	-1.242e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	-1.120e-02
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	0.000e+00 0.000e+00

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original_ngtdm_Busyness	0.000e+00
	5.010e-02
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	0.000e+00
original_shape_Flatness	-2.167e-01
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	1.915e-01
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	3.499e-09
original_firstorder_90Percentile	4.963e+138
original_firstorder_Energy	1.101e+03
original_firstorder_Entropy	7.128e-20
original_firstorder_InterquartileRange	4.352e-17
original_firstorder_Kurtosis	5.401e-62
original_firstorder_Maximum	6.239e-35
original_firstorder_Mean	5.656e-219
original firstorder MeanAbsoluteDeviation	3.550e-202
original_firstorder_Median	2.141e+72
original_firstorder_Minimum	2.206e+31
original firstorder Range	3.812e+52
original_firstorder_RobustMeanAbsoluteDeviation	1.796e+09
original_firstorder_RootMeanSquared	4.510e+15
original_firstorder_Skewness	6.044e+20
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	4.896e+06
original_firstorder_Variance	3.499e+39
original_glcm_Autocorrelation	2.645e+11
original_glcm_Autocorrelation original_glcm_ClusterProminence	8.614e-16
original_glcm_ClusterShade	2.874e-94
original_glcm_ClusterTendency	1.583e-50
original_glcm_Contrast	Inf
original_glcm_Correlation	2.488e+00
original_glcm_DifferenceAverage	1.929e-77
original_glcm_DifferenceEntropy	2.394e+26
original_glcm_DifferenceVariance	1.179e-173
original_glcm_Id	2.136e+98
original_glcm_Idm	2.835e-111
original_glcm_Idmn	3.810e-05
original_glcm_Idn	1.000e+00
original_glcm_Imc1	2.695e-01
original_glcm_Imc2	3.074e-02
original_glcm_InverseVariance	8.698e-01
original_glcm_JointAverage	7.334e+01
original_glcm_JointEnergy	1.000e+00
-	

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original_glcm_JointEntropy	1.000e+00
original_glcm_MCC	1.398e+00
original_glcm_MaximumProbability	1.000e+00
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	1.000e+00
original_glcm_SumSquares	4.801e+04
original_gldm_DependenceEntropy	7.523e-01
original_gldm_DependenceNonUniformity	1.161e+00
original_gldm_DependenceNonUniformityNormalized	1.036e+00
original_gldm_DependenceVariance	1.250e+00
original_gldm_GrayLevelNonUniformity	1.000e+00
original_gldm_GrayLevelVariance	1.000e+00
original_gldm_HighGrayLevelEmphasis	1.000e+00
original_gldm_LargeDependenceEmphasis	1.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000e+00
original_gldm_LowGrayLevelEmphasis	1.000e+00
original_gldm_SmallDependenceEmphasis	8.820e-01
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.116e+00
original_glrlm_GrayLevelNonUniformity	1.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	1.000e+00
original_glrlm_GrayLevelVariance	1.000e+00
original_glrlm_HighGrayLevelRunEmphasis	1.000e+00
original_glrlm_LongRunEmphasis	1.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	4.377e-01
original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
	1.000e+00
original_glrlm_RunEntropy	
original_glrlm_RunLengthNonUniformity	1.000e+00 1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.000e+00
original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.378e+00
original_glszm_HighGrayLevelZoneEmphasis	2.432e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	2.889e-01
original_glszm_SmallAreaLowGrayLevelEmphasis	9.889e-01
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.051e+00
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00

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original_ngtdm_Strength	1.000e+00
original_shape_Elongation	1.000e+00
original_shape_Flatness	8.051e-01
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.211e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
	se(coef)
original_firstorder_10Percentile	2.329e+05
original_firstorder_90Percentile	4.684e+05
original_firstorder_Energy	1.054e+06
original_firstorder_Entropy	5.110e+05
original_firstorder_InterquartileRange	2.042e+05
original_firstorder_Kurtosis	2.792e+06
original_firstorder_Maximum	2.623e+05
original_firstorder_Mean	3.847e+05
original_firstorder_MeanAbsoluteDeviation	2.696e+05
original_firstorder_Median	4.523e+05
original_firstorder_Minimum	1.725e+06
original_firstorder_Range	3.428e+05
original_firstorder_RobustMeanAbsoluteDeviation	2.053e+05
original_firstorder_RootMeanSquared	2.523e+05
original_firstorder_Skewness	1.081e+06
original_firstorder_TotalEnergy	1.054e+06
original_firstorder_Uniformity	5.378e+05
original_firstorder_Variance	1.885e+05
original_glcm_Autocorrelation	1.317e+06
original_glcm_ClusterProminence	1.717e+05
original_glcm_ClusterShade	1.750e+05
original_glcm_ClusterTendency	1.872e+05
original_glcm_Contrast	1.770e+05
original_glcm_Correlation	3.638e+05
original_glcm_DifferenceAverage	3.084e+05
original_glcm_DifferenceEntropy	5.172e+05
original_glcm_DifferenceVariance	1.759e+05
original_glcm_Id	3.590e+05
original_glcm_Idm	3.551e+05
original_glcm_Idmn	4.637e+05
original_glcm_Idn	5.433e+05
original_glcm_Imc1	4.478e+05
original_glcm_Imc2	7.448e+05
original_glcm_InverseVariance	4.080e+05
original_glcm_JointAverage	1.691e+06
original_glcm_JointEnergy	5.579e+05
original_glcm_JointEntropy	4.902e+05
original_glcm_MCC	
	6.728e+05
original_glcm_MaximumProbability original_glcm_SumAverage	6.728e+05 4.183e+05 1.691e+06

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original_glcm_SumEntropy	5.388e+05
original_glcm_SumSquares	1.837e+05
original_gldm_DependenceEntropy	6.343e+05
original_gldm_DependenceNonUniformity	2.669e+06
original_gldm_DependenceNonUniformityNormalized	6.536e+05
original_gldm_DependenceVariance	4.382e+05
original_gldm_GrayLevelNonUniformity	2.474e+06
original_gldm_GrayLevelVariance	1.885e+05
original_gldm_HighGrayLevelEmphasis	1.331e+06
original_gldm_LargeDependenceEmphasis	7.021e+05
original_gldm_LargeDependenceHighGrayLevelEmphasis	6.505e+05
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.010e+06
original_gldm_LowGrayLevelEmphasis	4.481e+05
original_gldm_SmallDependenceEmphasis	4.594e+05
original_gldm_SmallDependenceHighGrayLevelEmphasis	3.004e+05
original_gldm_SmallDependenceLowGrayLevelEmphasis	3.004e+05
original_glrlm_GrayLevelNonUniformity	2.704e+06
original_glrlm_GrayLevelNonUniformityNormalized	5.953e+05
original_glrlm_GrayLevelVariance	1.938e+05
original_glrlm_HighGrayLevelRunEmphasis	1.308e+06
original_glrlm_LongRunEmphasis	1.098e+06
original_glrlm_LongRunHighGrayLevelEmphasis	9.100e+05
original_glrlm_LongRunLowGrayLevelEmphasis	1.627e+06
original_glrlm_LowGrayLevelRunEmphasis	4.943e+05
original_glrlm_RunEntropy	6.159e+05
original_glrlm_RunLengthNonUniformity	1.642e+06
original_glrlm_RunLengthNonUniformityNormalized	7.964e+05
original_glrlm_RunPercentage	7.092e+05
original_glrlm_RunVariance	1.254e+06
original_glrlm_ShortRunEmphasis	8.416e+05
original_glrlm_ShortRunHighGrayLevelEmphasis	1.005e+06
original_glrlm_ShortRunLowGrayLevelEmphasis	4.242e+05
original_glszm_GrayLevelNonUniformity	1.379e+06
original_glszm_GrayLevelNonUniformityNormalized	1.898e+06
original_glszm_GrayLevelVariance	2.698e+05
original_glszm_HighGrayLevelZoneEmphasis	1.042e+06
original_glszm_LargeAreaEmphasis	8.946e+06
original_glszm_LargeAreaHighGrayLevelEmphasis	6.483e+06
original_glszm_LargeAreaLowGrayLevelEmphasis	9.520e+07
original_glszm_LowGrayLevelZoneEmphasis	1.693e+06
original_glszm_SizeZoneNonUniformity	7.622e+05
original_glszm_SizeZoneNonUniformityNormalized	8.464e+05
original_glszm_SmallAreaEmphasis	1.065e+06
original_glszm_SmallAreaHighGrayLevelEmphasis	8.390e+05
original_glszm_SmallAreaLowGrayLevelEmphasis	1.162e+06
original_glszm_ZoneEntropy	7.529e+05
original_glszm_ZonePercentage	4.354e+05
original_glszm_ZoneVariance	8.939e+06
original_ngtdm_Busyness	6.826e+06
original_ngtdm_Coarseness	5.640e+05
original_ngtdm_Complexity	2.009e+05
original_ngtdm_Contrast	1.887e+05
original_ngtdm_Strength	1.972e+05
original_shape_Elongation	4.726e+05
original_shape_Flatness	4.643e+05
original_shape_LeastAxisLength	6.741e+05
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, 112020, 11100 Olimaiatea okaini	, , , , , , , , , , , , , , , , , , ,
original_shape_MajorAxisLength	5.047e+05
original_shape_Maximum2DDiameterColumn	8.950e+05
original_shape_Maximum2DDiameterRow	8.446e+05
original_shape_Maximum2DDiameterSlice	6.794e+05
original_shape_Maximum3DDiameter	7.571e+05
original_shape_MeshVolume	1.742e+06
original_shape_MinorAxisLength	1.028e+06
original_shape_Sphericity	5.351e+05
original_shape_SurfaceArea	2.612e+06
original_shape_SurfaceVolumeRatio	5.995e+05
original_shape_VoxelVolume	1.738e+06
or iginal_shape_voxervorame	Z Z
original_firstorder_10Percentile	0.000
original_firstorder_90Percentile	0.001
original_firstorder_Energy	0.000
original_firstorder_Entropy	0.000
original_firstorder_InterquartileRange	0.000
original_firstorder_Kurtosis	0.000
original_firstorder_Maximum	0.000
original_firstorder_Mean	-0.001
original_firstorder_MeanAbsoluteDeviation	-0.002
original_firstorder_Median	0.000
original_firstorder_Minimum	0.000
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	0.000
original_firstorder_RootMeanSquared	0.000
original_firstorder_Skewness	0.000
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	0.000
original_firstorder_Variance	0.000
original_glcm_Autocorrelation	0.000
original_glcm_ClusterProminence	0.000
original_glcm_ClusterShade	-0.001
original_glcm_ClusterTendency	-0.001
original_glcm_Contrast	0.004
original_glcm_Correlation	0.000
original_glcm_DifferenceAverage	-0.001
original_glcm_DifferenceEntropy	0.000
original_glcm_DifferenceVariance	-0.002
original_glcm_Id	0.001
original_glcm_Idm	-0.001
original_glcm_Idmn	0.000
original_glcm_Idn	0.000
original_glcm_Imc1	0.000
original_glcm_Imc2	0.000
original_glcm_InverseVariance	0.000
original_glcm_JointAverage	0.000
original_glcm_JointEnergy	0.000
original_glcm_JointEntropy	0.000
original_glcm_MCC	0.000
original_glcm_MaximumProbability	0.000
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.000
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	0.000
original_gldm_DependenceNonUniformity	0.000

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original_gldm_DependenceNonUniformityNormalized	0.000
original_gldm_DependenceVariance	0.000
original_gldm_GrayLevelNonUniformity	0.000
original_gldm_GrayLevelVariance	0.000
original_gldm_HighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceEmphasis	0.000
$original\_gldm\_LargeDependence High Gray Level Emphasis$	0.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000
original_gldm_LowGrayLevelEmphasis	0.000
original_gldm_SmallDependenceEmphasis	0.000
<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	0.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000
original_glrlm_GrayLevelNonUniformity	0.000
original_glrlm_GrayLevelNonUniformityNormalized	0.000
original_glrlm_GrayLevelVariance	0.000
original_glrlm_HighGrayLevelRunEmphasis	0.000
original_glrlm_LongRunEmphasis	0.000
original_glrlm_LongRunHighGrayLevelEmphasis	0.000
original_glrlm_LongRunLowGrayLevelEmphasis	0.000
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original glszm SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original glszm SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
o. 1811101_onape_revisionsportameter office	0.000

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	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	1.000
original_firstorder_90Percentile	0.999
original_firstorder_Energy	1.000
original_firstorder_Entropy	1.000
original_firstorder_InterquartileRange	1.000
original_firstorder_Kurtosis	1.000
original_firstorder_Maximum	1.000
original_firstorder_Mean	0.999
original_firstorder_MeanAbsoluteDeviation	0.999
original_firstorder_Median	1.000
original_firstorder_Minimum	1.000
original_firstorder_Range	1.000
original_firstorder_RobustMeanAbsoluteDeviation	1.000
original_firstorder_RootMeanSquared	1.000
original_firstorder_Skewness	1.000
original_firstorder_TotalEnergy	1.000
original_firstorder_Uniformity	1.000
original_firstorder_Variance	1.000
original_glcm_Autocorrelation	1.000
original_glcm_ClusterProminence	1.000
original_glcm_ClusterShade	0.999
original_glcm_ClusterTendency	1.000
original_glcm_Contrast	0.997
original_glcm_Correlation	1.000
original_glcm_DifferenceAverage	1.000
original_glcm_DifferenceEntropy	1.000
original_glcm_DifferenceVariance	0.998
original_glcm_Id	0.999
original_glcm_Idm	0.999
original_glcm_Idmn	1.000
original_glcm_Idn	1.000
original_glcm_Imc1	1.000
original_glcm_Imc2	1.000
original_glcm_InverseVariance	1.000
original_glcm_JointAverage	1.000
original_glcm_JointEnergy	1.000
original_glcm_JointEntropy	1.000
original_glcm_MCC	1.000
original_glcm_MaximumProbability	1.000
original_glcm_NaximumFrobability original_glcm_SumAverage	1.000
	1.000
<pre>original_glcm_SumEntropy original_glcm_SumSquares</pre>	1.000
original_gldm_DependenceEntropy	1.000
original_gldm_DependenceNonUniformity	1.000
original_gldm_DependenceNonUniformityNormalized	1.000
original_gldm_DependenceVariance	1.000
original_gldm_GrayLevelNonUniformity	1.000
original_gldm_GrayLevelVariance	1.000

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oniginal aldm HighChaul avalEmphasis	1 000
original_gldm_HighGrayLevelEmphasis	1.000
original_gldm_LargeDependenceEmphasis	1.000
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000
original_gldm_LowGrayLevelEmphasis	1.000
original_gldm_SmallDependenceEmphasis	1.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000
original_glrlm_GrayLevelNonUniformity	1.000
original_glrlm_GrayLevelNonUniformityNormalized	1.000
original_glrlm_GrayLevelVariance	1.000
original_glrlm_HighGrayLevelRunEmphasis	1.000
original_glrlm_LongRunEmphasis	1.000
original_glrlm_LongRunHighGrayLevelEmphasis	1.000
original_glrlm_LongRunLowGrayLevelEmphasis	1.000
original_glrlm_LowGrayLevelRunEmphasis	1.000
original_glrlm_RunEntropy	1.000
original_glrlm_RunLengthNonUniformity	1.000
original_glrlm_RunLengthNonUniformityNormalized	1.000
original_glrlm_RunPercentage	1.000
original_glrlm_RunVariance	1.000
original_glrlm_ShortRunEmphasis	1.000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000
original_glszm_GrayLevelNonUniformity	1.000
original_glszm_GrayLevelNonUniformityNormalized	1.000
original_glszm_GrayLevelVariance	1.000
original_glszm_HighGrayLevelZoneEmphasis	1.000
original_glszm_LargeAreaEmphasis	1.000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000
original_glszm_LowGrayLevelZoneEmphasis	1.000
original_glszm_SizeZoneNonUniformity	1.000
original_glszm_SizeZoneNonUniformityNormalized	1.000
original_glszm_SmallAreaEmphasis	1.000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000
original_glszm_ZoneEntropy	1.000
original_glszm_ZonePercentage	1.000
original_glszm_ZoneVariance	1.000
original_ngtdm_Busyness	1.000
original_ngtdm_Coarseness	1.000
original_ngtdm_Complexity	1.000
original_ngtdm_Contrast	1.000
original_ngtdm_Strength	1.000
original_shape_Elongation	1.000
	1.000
original_shape_Flatness	
original_shape_LeastAxisLength	1.000
original_shape_MajorAxisLength	1.000
original_shape_Maximum2DDiameterColumn	1.000
original_shape_Maximum2DDiameterRow	1.000
original_shape_Maximum2DDiameterSlice	1.000
original_shape_Maximum3DDiameter	1.000
original_shape_MeshVolume	1.000
original_shape_MinorAxisLength	1.000
original_shape_Sphericity	1.000

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```
original_shape_SurfaceArea
                                                    1.000
original shape SurfaceVolumeRatio
                                                    1.000
original_shape_VoxelVolume
                                                    1.000
Likelihood ratio test=6.66 on 107 df, p=1
n= 29, number of events= 1
[[6]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                     -3.021e+03
original_firstorder_90Percentile
                                                      1.476e+03
original_firstorder_Energy
                                                      4.125e+01
                                                     -3.998e+02
original firstorder Entropy
original_firstorder_InterquartileRange
                                                      5.495e+03
original_firstorder_Kurtosis
                                                     -5.111e+01
original firstorder Maximum
                                                     -1.221e+02
original firstorder Mean
                                                     -5.619e+02
original_firstorder_MeanAbsoluteDeviation
                                                     -1.251e+03
original_firstorder_Median
                                                      2.377e+02
original firstorder Minimum
                                                     -3.719e+02
original_firstorder_Range
                                                     -1.713e+02
original_firstorder_RobustMeanAbsoluteDeviation
                                                     -8.596e+03
original_firstorder_RootMeanSquared
                                                      4.392e+02
original firstorder Skewness
                                                      8.009e+01
                                                      0.000e+00
original_firstorder_TotalEnergy
original_firstorder_Uniformity
                                                     -2.558e+02
                                                      1.190e+04
original_firstorder_Variance
                                                     -3.572e+02
original_glcm_Autocorrelation
original_glcm_ClusterProminence
                                                     -6.126e+03
original_glcm_ClusterShade
                                                      4.831e+03
                                                     -6.958e+03
original_glcm_ClusterTendency
original_glcm_Contrast
                                                      2.615e+04
original_glcm_Correlation
                                                     -7.750e+01
\verb"original_glcm_DifferenceAverage"
                                                      1.506e+01
original_glcm_DifferenceEntropy
                                                      2.645e+02
original_glcm_DifferenceVariance
                                                     -3.332e+04
original_glcm_Id
                                                      7.107e+01
original glcm Idm
                                                     -3.497e+01
original_glcm_Idmn
                                                     -6.974e+01
original glcm Idn
                                                      7.815e+02
original glcm Imc1
                                                      0.000e+00
                                                      3.827e+01
original glcm Imc2
original glcm InverseVariance
                                                     -3.577e+00
original_glcm_JointAverage
                                                      0.000e+00
original glcm JointEnergy
                                                      2.899e+01
original glcm JointEntropy
                                                      0.000e+00
original glcm MCC
                                                      6.396e+00
original_glcm_MaximumProbability
                                                      0.000e+00
original glcm SumAverage
                                                      0.000e+00
original_glcm_SumEntropy
                                                     -4.376e+01
original_glcm_SumSquares
                                                     -2.272e+03
```

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original_gldm_DependenceEntropy	-1.535e+01
original_gldm_DependenceNonUniformity	1.796e+00
original_gldm_DependenceNonUniformityNormalized	0.000e+00
original_gldm_DependenceVariance	-1.004e+00
original_gldm_GrayLevelNonUniformity	0.000e+00
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	8.271e+01
original_gldm_LargeDependenceEmphasis	0.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphas. original_gldm_LargeDependenceLowGrayLevelEmphasi	
original_gldm_LowGrayLevelEmphasis	1.412e-01
original_gldm_SmallDependenceEmphasis	0.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphas	
original_gldm_SmallDependenceLowGrayLevelEmphasi	
original_glrlm_GrayLevelNonUniformity	0.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	-2.676e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.690e+01
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	-6.518e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	-7.373e-01
original_shape_Flatness	-9.629e-02
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	2.519e+00

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· ····································	
original_shape_Maximum2DDiameterRow	8.029e-01
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	0.000e+00
original_firstorder_90Percentile	Inf
original_firstorder_Energy	8.198e+17
original_firstorder_Entropy	2.274e-174
original_firstorder_InterquartileRange	Inf
original_firstorder_Kurtosis	6.371e-23
original firstorder Maximum	9.573e-54
original_firstorder_Mean	9.491e-245
original_firstorder_MeanAbsoluteDeviation	0.000e+00
original_firstorder_Median	1.673e+103
original_firstorder_Minimum	2.985e-162
original_firstorder_Range	3.988e-75
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
	5.360e+190
original_firstorder_RootMeanSquared	
original_firstorder_Skewness	6.075e+34
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	7.770e-112
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	7.095e-156
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	Inf
original_glcm_Correlation	2.190e-34
original_glcm_DifferenceAverage	3.473e+06
original_glcm_DifferenceEntropy	7.687e+114
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	7.349e+30
original_glcm_Idm	6.500e-16
original_glcm_Idmn	5.161e-31
original_glcm_Idn	Inf
original_glcm_Imc1	1.000e+00
original_glcm_Imc2	4.193e+16
original_glcm_InverseVariance	2.797e-02
original_glcm_JointAverage	1.000e+00
original_glcm_JointEnergy	3.881e+12
original_glcm_JointEntropy	1.000e+00
original_glcm_MCC	5.996e+02
original_glcm_MaximumProbability	1.000e+00
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	9.854e-20
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	2.147e-07
original_gldm_DependenceNonUniformity	6.027e+00
original_gldm_DependenceNonUniformityNormalized	1.000e+00
original_gldm_DependenceVariance	3.663e-01
	3.0030 01

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original_gldm_GrayLevelNonUniformity	1.000e+00
original_gldm_GrayLevelVariance	1.000e+00
original_gldm_HighGrayLevelEmphasis	8.338e+35
original_gldm_LargeDependenceEmphasis	1.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.063e+44
original_gldm_LowGrayLevelEmphasis	1.152e+00
original_gldm_SmallDependenceEmphasis	1.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.582e-03
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.146e-01
original_glrlm_GrayLevelNonUniformity	1.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	1.000e+00
original_glrlm_GrayLevelVariance	1.000e+00
original_glrlm_HighGrayLevelRunEmphasis	1.000e+00
original_glrlm_LongRunEmphasis	1.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	6.881e-02
original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	2.188e+07
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original glszm ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.476e-03
original_ngtdm_Coarseness	1.000e+00
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	4.784e-01
original_shape_Flatness	9.082e-01
original_shape_LeastAxisLength	1.000e+00
original_shape_teastAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.241e+01
original_shape_Maximum2DDiameterColumn original_shape_Maximum2DDiameterRow	2.232e+00
original_shape_Maximum2DDiameterRow original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter  original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00

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original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
or 16111d1_511dpc_roxe1vo1dille	se(coef)
original_firstorder_10Percentile	8.897e+03
original_firstorder_90Percentile	3.700e+03
original_firstorder_Energy	6.930e+03
original_firstorder_Entropy	5.095e+03
	2.023e+04
original_firstorder_InterquartileRange	1.588e+03
original_firstorder_Kurtosis	
original_firstorder_Maximum	8.314e+03 3.662e+03
original_firstorder_Mean	
original_firstorder_MeanAbsoluteDeviation	1.809e+04
original_firstorder_Median	2.751e+03
original_firstorder_Minimum	2.417e+03
original_firstorder_Range	5.299e+03
original_firstorder_RobustMeanAbsoluteDeviation	2.199e+04
original_firstorder_RootMeanSquared	5.173e+03
original_firstorder_Skewness	1.329e+03
original_firstorder_TotalEnergy	6.930e+03
original_firstorder_Uniformity	4.297e+03
original_firstorder_Variance	9.295e+04
original_glcm_Autocorrelation	2.857e+03
original_glcm_ClusterProminence	5.006e+06
original_glcm_ClusterShade	6.719e+05
original_glcm_ClusterTendency	1.090e+05
original_glcm_Contrast	1.626e+05
original_glcm_Correlation	3.421e+03
original_glcm_DifferenceAverage	1.073e+04
original_glcm_DifferenceEntropy	5.440e+03
original_glcm_DifferenceVariance	1.947e+05
original_glcm_Id	4.300e+03
original_glcm_Idm	4.463e+03
original_glcm_Idmn	7.302e+04
original_glcm_Idn	1.378e+04
original_glcm_Imc1	2.715e+03
original_glcm_Imc2	3.215e+03
original_glcm_InverseVariance	2.770e+03
original_glcm_JointAverage	2.244e+03
original_glcm_JointEnergy	3.334e+03
original_glcm_JointEntropy	5.154e+03
original_glcm_MCC	4.780e+03
original_glcm_MaximumProbability	4.079e+03
original_glcm_SumAverage	2.244e+03
original_glcm_SumEntropy	5.185e+03
original_glcm_SumSquares	1.214e+05
original_gldm_DependenceEntropy	3.845e+03
original_gldm_DependenceNonUniformity	2.449e+03
original_gldm_DependenceNonUniformityNormalized	2.416e+03
original_gldm_DependenceVariance	4.111e+03
original_gldm_GrayLevelNonUniformity	2.776e+03
original_gldm_GrayLevelVariance	9.331e+04
original_gldm_HighGrayLevelEmphasis	2.855e+03
original_gldm_LargeDependenceEmphasis	3.030e+03

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original_gldm_LargeDependenceHighGrayLevelEmphasis	3.328e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.489e+03
original_gldm_LowGrayLevelEmphasis	3.971e+03
original_gldm_SmallDependenceEmphasis	7.204e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	
	7.210e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.540e+04
original_glrlm_GrayLevelNonUniformity	2.656e+03
original_glrlm_GrayLevelNonUniformityNormalized	3.483e+03
original_glrlm_GrayLevelVariance	6.440e+04
original_glrlm_HighGrayLevelRunEmphasis	2.826e+03
original_glrlm_LongRunEmphasis	2.292e+03
original_glrlm_LongRunHighGrayLevelEmphasis	2.370e+03
original_glrlm_LongRunLowGrayLevelEmphasis	3.492e+03
original_glrlm_LowGrayLevelRunEmphasis	3.979e+03
original_glrlm_RunEntropy	4.990e+03
original_glrlm_RunLengthNonUniformity	3.286e+03
original_glrlm_RunLengthNonUniformityNormalized	3.298e+03
original_glrlm_RunPercentage	3.291e+03
original_glrlm_RunVariance	2.105e+03
original_glrlm_ShortRunEmphasis	3.062e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	3.008e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	5.206e+03
original_glszm_GrayLevelNonUniformity	2.989e+03
original_glszm_GrayLevelNonUniformityNormalized	2.470e+03
original_glszm_GrayLevelVariance	1.499e+04
original_glszm_HighGrayLevelZoneEmphasis	2.676e+03
original_glszm_LargeAreaEmphasis	2.396e+03
original_glszm_LargeAreaHighGrayLevelEmphasis	2.696e+03
original_glszm_LargeAreaLowGrayLevelEmphasis	2.769e+03
original_glszm_LowGrayLevelZoneEmphasis	3.972e+03
original_glszm_SizeZoneNonUniformity	5.670e+03
original_glszm_SizeZoneNonUniformityNormalized	5.169e+03
	4.970e+03
original_glszm_SmallAreaEmphasis	
original_glszm_SmallAreaHighGrayLevelEmphasis	2.912e+03
original_glszm_SmallAreaLowGrayLevelEmphasis	3.052e+03
original_glszm_ZoneEntropy	2.396e+03
original_glszm_ZonePercentage	7.983e+03
original_glszm_ZoneVariance	2.395e+03
original_ngtdm_Busyness	3.287e+03
original_ngtdm_Coarseness	3.025e+04
original_ngtdm_Complexity	1.699e+04
original_ngtdm_Contrast	3.216e+05
original_ngtdm_Strength	1.579e+04
original_shape_Elongation	7.134e+03
original_shape_Flatness	5.727e+03
original_shape_LeastAxisLength	2.935e+03
original_shape_MajorAxisLength	3.720e+03
original_shape_Maximum2DDiameterColumn	3.298e+03
original_shape_Maximum2DDiameterRow	3.203e+03
original_shape_Maximum2DDiameterSlice	3.423e+03
original_shape_Maximum3DDiameter	3.468e+03
original_shape_MeshVolume	2.944e+03
original_shape_MinorAxisLength	3.236e+03
original_shape_Sphericity	3.213e+03
original_shape_SurfaceArea	3.648e+03
original_shape_SurfaceVolumeRatio	3.843e+03

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٠	77/2023, 11.30	ipics for the survival cit
	original_shape_VoxelVolume	2.948e+03
		Z
	original_firstorder_10Percentile	-0.340
	original_firstorder_90Percentile	0.399
	original_firstorder_Energy	0.006
	original_firstorder_Entropy	-0.078
	original_firstorder_InterquartileRange	0.272
	original_firstorder_Kurtosis	-0.032
	original_firstorder_Maximum	-0.015
	original_firstorder_Mean	-0.153
	original_firstorder_MeanAbsoluteDeviation	-0.069
	original_firstorder_Median	0.086
	original_firstorder_Minimum	-0.154
	original_firstorder_Range	-0.032
	original_firstorder_RobustMeanAbsoluteDeviation	
	original_firstorder_RootMeanSquared	0.085
	original_firstorder_Skewness	0.060
	original_firstorder_TotalEnergy	0.000
	original_firstorder_Uniformity	-0.060
	original_firstorder_Variance	0.128
	original_glcm_Autocorrelation	-0.125
	original_glcm_ClusterProminence	
	original_glcm_ClusterProminence original_glcm_ClusterShade	-0.001 0.007
	original_glcm_ClusterTendency	-0.064
	original_glcm_Contrast	0.161
	original_glcm_Correlation	-0.023
	original_glcm_DifferenceAverage	0.001
	original_glcm_DifferenceEntropy	0.049
	original_glcm_DifferenceVariance	-0.171
	original_glcm_Id	0.017
	original_glcm_Idm	-0.008
	original_glcm_Idmn	-0.001
	original_glcm_Idn	0.057
	original_glcm_Imc1	0.000
	original_glcm_Imc2	0.012
	original_glcm_InverseVariance	-0.001
	original_glcm_JointAverage	0.000
	original_glcm_JointEnergy	0.009
	original_glcm_JointEntropy	0.000
	original_glcm_MCC	0.001
	original_glcm_MaximumProbability	0.000
	original_glcm_SumAverage	0.000
	original_glcm_SumEntropy	-0.008
	original_glcm_SumSquares	-0.019
	original_gldm_DependenceEntropy	-0.004
	original_gldm_DependenceNonUniformity	0.001
	original_gldm_DependenceNonUniformityNormalized	0.000
	original_gldm_DependenceVariance	0.000
	original_gldm_GrayLevelNonUniformity	0.000
	original_gldm_GrayLevelVariance	0.000
	original_gldm_HighGrayLevelEmphasis	0.029
	original_gldm_LargeDependenceEmphasis	0.000
	original_gldm_LargeDependenceHighGrayLevelEmpha	
	original_gldm_LargeDependenceLowGrayLevelEmphas:	
	original_gldm_LowGrayLevelEmphasis	0.000
	original_gldm_SmallDependenceEmphasis	0.000

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original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000
original_glrlm_GrayLevelNonUniformity	0.000
original_glrlm_GrayLevelNonUniformityNormalized	0.000
original_glrlm_GrayLevelVariance	0.000
original_glrlm_HighGrayLevelRunEmphasis	0.000
original_glrlm_LongRunEmphasis	0.000
original_glrlm_LongRunHighGrayLevelEmphasis	0.000
original_glrlm_LongRunLowGrayLevelEmphasis	0.000
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	-0.001
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.006
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
	0.000
<pre>original_glszm_SmallAreaLowGrayLevelEmphasis original_glszm_ZoneEntropy</pre>	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	-0.002
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.001
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	0.734
original_firstorder_90Percentile	0.690
I	

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l	original_firstorder_Energy	0.995
l	original_firstorder_Entropy	0.937
l	original_firstorder_InterquartileRange	0.786
l	original_firstorder_Kurtosis	0.974
l	original_firstorder_Maximum	0.988
l	original_firstorder_Mean	0.878
l	original_firstorder_MeanAbsoluteDeviation	0.945
l	original_firstorder_Median	0.931
l	original_firstorder_Minimum	0.878
l	original_firstorder_Range	0.974
l	original_firstorder_RobustMeanAbsoluteDeviation	0.696
l	original_firstorder_RootMeanSquared	0.932
l	original_firstorder_Skewness	0.952
l	original_firstorder_TotalEnergy	1.000
l	original_firstorder_Uniformity	0.953
l	original_firstorder_Variance	0.898
l	original_glcm_Autocorrelation	0.900
l	original_glcm_ClusterProminence	0.999
l	original_glcm_ClusterShade	0.994
l	original_glcm_ClusterTendency	0.949
l		0.872
l	original_glcm_Contrast	
l	original_glcm_Correlation	0.982
l	original_glcm_DifferenceAverage	0.999
l	original_glcm_DifferenceEntropy	0.961
l	original_glcm_DifferenceVariance	0.864
l	original_glcm_Id	0.987
l	original_glcm_Idm	0.994
l	original_glcm_Idmn	0.999
l	original_glcm_Idn	0.955
l	original_glcm_Imc1	1.000
l	original_glcm_Imc2	0.991
l	original_glcm_InverseVariance	0.999
l	original_glcm_JointAverage	1.000
l	original_glcm_JointEnergy	0.993
l	original_glcm_JointEntropy	1.000
l	original_glcm_MCC	0.999
l	original_glcm_MaximumProbability	1.000
l	original_glcm_SumAverage	1.000
l	original_glcm_SumEntropy	0.993
l	original_glcm_SumSquares	0.985
l	original_gldm_DependenceEntropy	0.997
l	original_gldm_DependenceNonUniformity	0.999
l	original_gldm_DependenceNonUniformityNormalized	1.000
l	original_gldm_DependenceVariance	1.000
l	original_gldm_GrayLevelNonUniformity	1.000
l	original_gldm_GrayLevelVariance	1.000
l	original_gldm_HighGrayLevelEmphasis	0.977
l	original_gldm_LargeDependenceEmphasis	1.000
l	original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000
l	original_gldm_LargeDependenceLowGrayLevelEmphasis	0.968
l	original_gldm_LowGrayLevelEmphasis	1.000
l	original_gldm_SmallDependenceEmphasis	1.000
l	original_gldm_SmallDependenceHighGrayLevelEmphasis	
l	original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000
l	original_glrlm_GrayLevelNonUniformity	1.000
	original_glrlm_GrayLevelNonUniformityNormalized	1.000

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_	4/2020, 11.00	101 1110 01
l	original_glrlm_GrayLevelVariance	1.000
	original_glrlm_HighGrayLevelRunEmphasis	1.000
	original_glrlm_LongRunEmphasis	1.000
	original_glrlm_LongRunHighGrayLevelEmphasis	1.000
	original_glrlm_LongRunLowGrayLevelEmphasis	1.000
	original_glrlm_LowGrayLevelRunEmphasis	1.000
	original_glrlm_RunEntropy	1.000
	original_glrlm_RunLengthNonUniformity	1.000
	original_glrlm_RunLengthNonUniformityNormalized	1.000
	original_glrlm_RunPercentage	1.000
	original_glrlm_RunVariance	1.000
	original_glrlm_ShortRunEmphasis	1.000
	original_glrlm_ShortRunHighGrayLevelEmphasis	1.000
	original_glrlm_ShortRunLowGrayLevelEmphasis	1.000
	original_glszm_GrayLevelNonUniformity	0.999
	original_glszm_GrayLevelNonUniformityNormalized	1.000
	original_glszm_GrayLevelVariance	1.000
	original_glszm_HighGrayLevelZoneEmphasis	1.000
	original_glszm_LargeAreaEmphasis	1.000
	original_glszm_LargeAreaHighGrayLevelEmphasis	1.000
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.995
	original_glszm_LowGrayLevelZoneEmphasis	1.000
	original_glszm_SizeZoneNonUniformity	1.000
	original_glszm_SizeZoneNonUniformityNormalized	1.000
	original_glszm_SmallAreaEmphasis	1.000
	original_glszm_SmallAreaHighGrayLevelEmphasis	1.000
	original_glszm_SmallAreaLowGrayLevelEmphasis	1.000
	original_glszm_ZoneEntropy	1.000
	original_glszm_ZonePercentage	1.000
	original_glszm_ZoneVariance	1.000
	original_ngtdm_Busyness	0.998
	original_ngtdm_Coarseness	1.000
	original_ngtdm_Complexity	1.000
	original_ngtdm_Contrast	1.000
	original_ngtdm_Strength	1.000
	original_shape_Elongation	1.000
	original_shape_Flatness	1.000
	original_shape_LeastAxisLength	1.000
	original_shape_MajorAxisLength	1.000
	original_shape_Maximum2DDiameterColumn	0.999
	original_shape_Maximum2DDiameterRow	1.000
	original_shape_Maximum2DDiameterSlice	1.000
	original_shape_Maximum3DDiameter	1.000
	original_shape_MeshVolume	1.000
	original_shape_MinorAxisLength	1.000
	original_shape_Sphericity	1.000
	original_shape_SurfaceArea	1.000
	original_shape_SurfaceVolumeRatio	1.000
	original_shape_VoxelVolume	1.000
	Likelihood ratio test=31.34 on 107 df, p=1	
	n= 25, number of events= 5	

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```
$test
 Τ
       AUCROC
                     BS BS_scaled
                                  C_score Calib_slope
1 4 0.4088524 0.4757477 -4.846218 0.4127219 -0.01221094
2 4 0.6963216 0.3558193 -1.411092 0.6769773 0.06701063
3 4 0.4833893 0.2263121 -1.688051 0.4859050 -0.71337284
4 4 0.5206836 0.4571542 -2.277591 0.5269828 -0.01756359
5 4 0.5857813 0.2152437 -1.372065 0.5868102 0.07041431
 Calib_alpha test cv_n
1 -0.34941796
2 -0.26829356
3 -0.03449023
4 -0.22436980
5 -0.13056267
$train
 Т
      AUCROC
                      BS BS_scaled C_score
1 4 0.8705706 0.19543431 -0.6697029 0.8569668
2 4 0.7539411 0.27033025 -1.7030412 0.7417558
3 4 0.5417778 0.23600395 -1.0158195 0.5441780
4 4 0.6559362 0.33731205 -2.2831558 0.6631965
5 4 0.9960889 0.01540794 0.8659992 0.9802244
 Calib_slope Calib_alpha test cv_n
1 0.21538359 -0.1912184058
2 0.10565084 -0.2240737153
                                    2
3 0.03179508 -0.0345231471
                                    3
4 0.07471767 -0.2866858939
                                    4
5 1.16721639 -0.0001466993
                                    5
$testaverage
          Т
                 AUCROC
                                 BS
                                      BS_scaled
 4.0000000
              0.5390056
                          0.3460554 -2.3190033
   C_score Calib_slope Calib_alpha
                                           test
 0.5378795 -0.1211445 -0.2014268
                                      1.0000000
$trainaverage
          Т
                 AUCROC
                                 BS
                                      BS scaled
 4.0000000
              0.7636629
                          0.2108977 -0.9611440
   C_score Calib_slope Calib_alpha
                                           test
 0.7572643
              0.3189527 -0.1473296
                                      0.0000000
$model list
$model_list[[1]]
$model_list[[1]]$vimp10
                  original firstorder Maximum
                                  0.014342579
             original_glszm_GrayLevelVariance
                                  0.005402161
 original glrlm LongRunHighGrayLevelEmphasis
                                  0.005117837
         original_glszm_SizeZoneNonUniformity
                                  0.004707146
      original_glszm_LowGrayLevelZoneEmphasis
                                  0.004043723
                     original_glcm_SumAverage
                                  0.003917356
```

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```
original_firstorder_Range
                                  0.003506666
 original glrlm ShortRunLowGrayLevelEmphasis
                                  0.003159158
                            original_glcm_Idn
                                  0.002906426
 original_glszm_SmallAreaLowGrayLevelEmphasis
                                  0.002874834
                    original_ngtdm_Complexity
                                  0.002685285
   original_glrlm_LongRunLowGrayLevelEmphasis
                                  0.002622101
       original_glrlm_LowGrayLevelRunEmphasis
                                  0.002306186
original_glszm_LargeAreaHighGrayLevelEmphasis
                                  0.002053453
                   original_glszm_ZoneEntropy
                                  0.001863903
$model_list[[1]]$treemodel
n = 361
node), split, n, deviance, yval
      * denotes terminal node
1) root 361 279.77400 1.0000000
 2) original_glszm_GrayLevelVariance< 0.05296396 241 90.01070 0.4013023
    4) original_firstorder_Maximum< -0.263866 166 42.13061 0.2838154 *
    5) original firstorder Maximum>=-0.263866 75 44.80218 0.7128540 *
 3) original_glszm_GrayLevelVariance>=0.05296396 120 151.18110 2.3819630 *
$model_list[[1]]$coxmodels
$model_list[[1]]$coxmodels[[1]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
   x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                     -1.714e+02
original_firstorder_90Percentile
                                                    -1.298e+02
original_firstorder_Energy
                                                     4.339e+01
original firstorder Entropy
                                                     1.878e+02
original_firstorder_InterquartileRange
                                                     1.243e+02
original firstorder Kurtosis
                                                     2.141e+01
original firstorder Maximum
                                                     -9.734e+01
original firstorder Mean
                                                     4.656e+02
original firstorder MeanAbsoluteDeviation
                                                     -3.268e+02
original firstorder Median
                                                     -1.447e+02
original firstorder Minimum
                                                     -1.614e+02
original firstorder Range
                                                     0.000e+00
original firstorder RobustMeanAbsoluteDeviation
                                                     7.469e+01
original_firstorder_RootMeanSquared
                                                     -1.173e+02
original firstorder Skewness
                                                      2.382e+01
original_firstorder_TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                      7.181e+01
```

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	1 00503
original_firstorder_Variance	1.005e+03
original_glcm_Autocorrelation	1.083e+02
original_glcm_ClusterProminence	1.823e+03
original_glcm_ClusterShade	-9.769e+02
original_glcm_ClusterTendency	-8.941e+02
original_glcm_Contrast	-7.615e+03
original_glcm_Correlation	1.389e+00
original_glcm_DifferenceAverage	2.083e+03
original_glcm_DifferenceEntropy	2.927e+01
original_glcm_DifferenceVariance	3.698e+03
original_glcm_Id	7.624e+03
original_glcm_Idm	-6.206e+03
original_glcm_Idmn	6.178e+01
original_glcm_Idn	-5.428e+01
original_glcm_Imc1	2.220e+01
original_glcm_Imc2	5.076e+00
original_glcm_InverseVariance	7.200e+02
original_glcm_JointAverage	-1.446e+02
original_glcm_JointEnergy	-7.372e+01
original_glcm_JointEntropy	-9.142e+01
original_glcm_MCC	-2.208e+00
original_glcm_MaximumProbability	-2.144e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	-7.185e+01
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	-1.118e+02
original_gldm_DependenceNonUniformity	1.386e+02
original_gldm_DependenceNonUniformityNormalized	-7.724e+01
original_gldm_DependenceVariance	8.668e+01
original_gldm_GrayLevelNonUniformity	-6.854e+01
original_gldm_GrayLevelVariance	1.716e+03
original_gldm_HighGrayLevelEmphasis	-1.206e+03
original_gldm_LargeDependenceEmphasis	-5.952e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.259e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	8.287e+01
original_gldm_LowGrayLevelEmphasis	-4.418e+01
original_gldm_SmallDependenceEmphasis	7.646e+01
original_gldm_SmallDependenceHighGrayLevelEmphasis	-1.070e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	-9.430e+00
original_glrlm_GrayLevelNonUniformity	-1.277e+02
original_glrlm_GrayLevelNonUniformityNormalized	1.554e+01
original_glrlm_GrayLevelVariance	-6.749e+02
original_glrlm_HighGrayLevelRunEmphasis	4.551e+02
original_glrlm_LongRunEmphasis	4.847e+02
original_glrlm_LongRunHighGrayLevelEmphasis	-1.066e+02
original_glrlm_LongRunLowGrayLevelEmphasis	-8.827e+01
original_glrlm_LowGrayLevelRunEmphasis	-6.791e+01
original_glrlm_RunEntropy	1.159e+02
original_glrlm_RunLengthNonUniformity	-1.078e+02
original_glrlm_RunLengthNonUniformityNormalized	1.330e+02
original_glrlm_RunPercentage	-5.368e+02
original_glrlm_RunVariance	-3.440e+02
original_glrlm_ShortRunEmphasis	-1.124e+02
original_glrlm_ShortRunHighGrayLevelEmphasis	7.412e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	1.765e+02
original_glszm_GrayLevelNonUniformity	1.189e+02

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original_glszm_GrayLevelNonUniformityNormalized	-2.673e+00
original_glszm_GrayLevelVariance	1.044e+02
original_glszm_HighGrayLevelZoneEmphasis	-1.127e+02
original_glszm_LargeAreaEmphasis	2.418e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	3.718e+01
original_glszm_LargeAreaLowGrayLevelEmphasis	7.938e-01
original_glszm_LowGrayLevelZoneEmphasis	-4.982e+01
original_glszm_SizeZoneNonUniformity	-8.402e+01
original_glszm_SizeZoneNonUniformityNormalized	-4.762e+01
original_glszm_SmallAreaEmphasis	5.122e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	7.060e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.919e+01
original_glszm_ZoneEntropy	2.018e+01
original_glszm_ZonePercentage	-7.480e+01
original_glszm_ZoneVariance	-2.609e+02
original_ngtdm_Busyness	-1.705e+00
original_ngtdm_Coarseness	1.188e+01
original_ngtdm_Complexity	-3.451e+02
original_ngtdm_Contrast	-5.281e+01
original_ngtdm_Strength	-5.084e-01
original_shape_Elongation	9.516e+00
original_shape_Flatness	-1.160e+01
original_shape_LeastAxisLength	4.842e+01
original_shape_MajorAxisLength	6.875e+01
original_shape_Maximum2DDiameterColumn	-3.435e+01
original_shape_Maximum2DDiameterRow	-4.636e+01
original_shape_Maximum2DDiameterSlice	-2.522e+01
original_shape_Maximum3DDiameter	1.003e+01
original_shape_MeshVolume	4.519e+03
original_shape_MinorAxisLength	2.904e+00
original_shape_Sphericity	-7.211e+00
original_shape_SurfaceArea	2.655e+01
original_shape_SurfaceVolumeRatio	1.802e+02
original_shape_VoxelVolume	-4.425e+03
	exp(coef)
original_firstorder_10Percentile	3.827e-75
original_firstorder_90Percentile	4.319e-57
original_firstorder_Energy	6.966e+18
original_firstorder_Entropy	3.530e+81
original_firstorder_InterquartileRange	9.391e+53
original_firstorder_Kurtosis	1.980e+09
original_firstorder_Maximum	5.323e-43
original_firstorder_Mean	1.631e+202
original_firstorder_MeanAbsoluteDeviation	1.159e-142
original_firstorder_Median	1.488e-63
original_firstorder_Minimum	7.801e-71
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	2.744e+32
original_firstorder_RootMeanSquared	1.180e-51
original_firstorder_Skewness	2.216e+10
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	1.537e+31
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	1.100e+47
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	0.000e+00
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i		
	original_glcm_ClusterTendency	0.000e+00
	original_glcm_Contrast	0.000e+00
	original_glcm_Correlation	4.010e+00
	original_glcm_DifferenceAverage	Inf
	original_glcm_DifferenceEntropy	5.137e+12
	original_glcm_DifferenceVariance	Inf
	original_glcm_Id	Inf
	original_glcm_Idm	0.000e+00
	original_glcm_Idmn	6.795e+26
	original_glcm_Idn	2.670e-24
	original_glcm_Imc1	4.363e+09
		1.601e+02
	original_glcm_Imc2	
	original_glcm_InverseVariance	Inf
	original_glcm_JointAverage	1.543e-63
	original_glcm_JointEnergy	9.639e-33
	original_glcm_JointEntropy	1.981e-40
	original_glcm_MCC	1.099e-01
	original_glcm_MaximumProbability	4.905e-10
	original_glcm_SumAverage	1.000e+00
	original_glcm_SumEntropy	6.266e-32
	original_glcm_SumSquares	1.000e+00
	original_gldm_DependenceEntropy	2.922e-49
	original_gldm_DependenceNonUniformity	1.588e+60
	original_gldm_DependenceNonUniformityNormalized	2.864e-34
	original_gldm_DependenceVariance	4.404e+37
	original_gldm_GrayLevelNonUniformity	1.718e-30
	original_gldm_GrayLevelVariance	Inf
	original_gldm_HighGrayLevelEmphasis	0.000e+00
	original_gldm_LargeDependenceEmphasis	3.264e-259
	original_gldm_LargeDependenceHighGrayLevelEmphasis	1.225e+98
	original_gldm_LargeDependenceLowGrayLevelEmphasis	9.796e+35
	original_gldm_LowGrayLevelEmphasis	6.501e-20
	original_gldm_SmallDependenceEmphasis	1.609e+33
	<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	3.293e-47
	original_gldm_SmallDependenceLowGrayLevelEmphasis	8.025e-05
	original_glrlm_GrayLevelNonUniformity	3.617e-56
	original_glrlm_GrayLevelNonUniformityNormalized	5.615e+06
	original_glrlm_GrayLevelVariance	8.155e-294
	original_glrlm_HighGrayLevelRunEmphasis	4.517e+197
	original_glrlm_LongRunEmphasis	3.180e+210
	original_glrlm_LongRunHighGrayLevelEmphasis	4.879e-47
	original_glrlm_LongRunLowGrayLevelEmphasis	4.611e-39
	original_glrlm_LowGrayLevelRunEmphasis	3.215e-30
	original_glrlm_RunEntropy	2.089e+50
	original_glrlm_RunLengthNonUniformity	1.477e-47
	original_glrlm_RunLengthNonUniformityNormalized	5.909e+57
	original_glrlm_RunPercentage	7.468e-234
	original_glrlm_RunVariance	4.100e-150
	original_glrlm_ShortRunEmphasis	1.543e-49
	original_glrlm_ShortRunHighGrayLevelEmphasis	Inf
	original_glrlm_ShortRunLowGrayLevelEmphasis	4.361e+76
	<pre>original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized</pre>	4.509e+51 6.907e-02
	original_glszm_GrayLevelVariance	2.115e+45
	original_glszm_HighGrayLevelZoneEmphasis	1.107e-49
	original_glszm_LargeAreaEmphasis	1.030e+105

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original_glszm_LargeAreaHighGrayLevelEmphasis	1.409e+16
original_glszm_LargeAreaLowGrayLevelEmphasis	2.212e+00
original_glszm_LowGrayLevelZoneEmphasis	2.306e-22
original_glszm_SizeZoneNonUniformity	3.247e-37
original_glszm_SizeZoneNonUniformityNormalized	2.076e-21
original_glszm_SmallAreaEmphasis	1.760e+22
original_glszm_SmallAreaHighGrayLevelEmphasis	1.164e+03
original_glszm_SmallAreaLowGrayLevelEmphasis	2.150e+08
original_glszm_ZoneEntropy	5.837e+08
original_glszm_ZonePercentage	3.275e-33
original_glszm_ZoneVariance	4.737e-114
original_ngtdm_Busyness	1.817e-01
original_ngtdm_Coarseness	1.448e+05
original_ngtdm_Complexity	1.390e-150
original_ngtdm_Contrast	1.161e-23
original_ngtdm_Strength	6.014e-01
original_shape_Elongation	1.357e+04
original_shape_Flatness	9.179e-06
original_shape_LeastAxisLength	1.064e+21
original_shape_MajorAxisLength	7.205e+29
original_shape_Maximum2DDiameterColumn	1.211e-15
original_shape_Maximum2DDiameterRow	7.350e-21
original_shape_Maximum2DDiameterSlice	1.117e-11
original_shape_Maximum3DDiameter	2.272e+04
original_shape_MeshVolume	Inf
original_shape_MinorAxisLength	1.825e+01
original_shape_Sphericity	7.385e-04
original_shape_SurfaceArea	3.398e+11
original_shape_SurfaceVolumeRatio	1.780e+78
original_shape_VoxelVolume	0.000e+00
	se(coef)
original_firstorder_10Percentile	8.133e+01
original_firstorder_90Percentile	2.578e+01
original firstorder Energy	1.229e+02
original_firstorder_Entropy	2.553e+01
original_firstorder_InterquartileRange	7.765e+01
original_firstorder_Kurtosis	7.585e+00
original_firstorder_Maximum	3.669e+02
original_firstorder_Mean	2.935e+01
original_firstorder_MeanAbsoluteDeviation	7.735e+01
original_firstorder_Median	2.073e+01
original_firstorder_Minimum	2.419e+01
original_firstorder_Range	4.861e+01
original_firstorder_RobustMeanAbsoluteDeviation	8.665e+01
original_firstorder_RootMeanSquared	3.654e+01
original_firstorder_Skewness	2.293e+01
original_firstorder_TotalEnergy	1.229e+02
original_firstorder_Uniformity	1.986e+01
original_firstorder_Variance	3.651e+02
original_glcm_Autocorrelation	2.018e+01
original_glcm_ClusterProminence	5.808e+04
original_glcm_ClusterShade	3.867e+03
original_glcm_ClusterTendency	6.597e+02
original_glcm_Contrast	5.445e+02
original_glcm_Correlation	2.240e+01
original_glcm_DifferenceAverage	8.994e+01
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original_glcm_DifferenceEntropy	4.687e+01
original_glcm_DifferenceVariance	5.660e+02
original_glcm_Id	8.760e+01
original_glcm_Idm	8.123e+01
original_glcm_Idmn	7.103e+01
original_glcm_Idn	4.059e+01
original_glcm_Imc1	2.298e+01
original_glcm_Imc2	1.210e+01
original_glcm_InverseVariance	1.028e+02
original_glcm_JointAverage	2.044e+01
original_glcm_JointEnergy	2.834e+01
original_glcm_JointEntropy	2.961e+01
original_glcm_MCC	1.490e+01
original_glcm_MaximumProbability	2.249e+01
original_glcm_SumAverage	2.044e+01
original_glcm_SumEntropy	2.444e+01
original_glcm_SumSquares	6.254e+02
original_gldm_DependenceEntropy	2.719e+01
original_gldm_DependenceNonUniformity	1.228e+02
original_gldm_DependenceNonUniformityNormalized	2.254e+02
original_gldm_DependenceVariance	5.321e+01
original_gldm_GrayLevelNonUniformity	6.787e+01
	3.655e+01
original_gldm_GrayLevelVariance	
original_gldm_HighGrayLevelEmphasis	2.034e+01
original_gldm_LargeDependenceEmphasis	1.243e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.824e+01
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.235e+02
original_gldm_LowGrayLevelEmphasis	1.258e+02
original_gldm_SmallDependenceEmphasis	8.787e+01
original_gldm_SmallDependenceHighGrayLevelEmphasis	8.208e+01
original_gldm_SmallDependenceLowGrayLevelEmphasis	8.464e+01
original_glrlm_GrayLevelNonUniformity	7.659e+01
original_glrlm_GrayLevelNonUniformityNormalized	1.945e+01
original_glrlm_GrayLevelVariance	2.273e+02
original_glrlm_HighGrayLevelRunEmphasis	2.052e+01
original_glrlm_LongRunEmphasis	1.405e+02
original_glrlm_LongRunHighGrayLevelEmphasis	2.197e+01
original_glrlm_LongRunLowGrayLevelEmphasis	1.823e+02
original_glrlm_LowGrayLevelRunEmphasis	1.152e+02
original_glrlm_RunEntropy	2.765e+01
original_glrlm_RunLengthNonUniformity	9.333e+01
original_glrlm_RunLengthNonUniformityNormalized	1.084e+02
original_glrlm_RunPercentage	1.315e+02
original_glrlm_RunVariance	1.616e+02
original_glrlm_ShortRunEmphasis	6.861e+01
original_glrlm_ShortRunHighGrayLevelEmphasis	2.426e+01
original_glrlm_ShortRunLowGrayLevelEmphasis	1.219e+02
original_glszm_GrayLevelNonUniformity	1.052e+02
original_glszm_GrayLevelNonUniformityNormalized	1.174e+01
original_glszm_GrayLevelVariance	6.039e+01
original_glszm_HighGrayLevelZoneEmphasis	2.328e+01
original_glszm_LargeAreaEmphasis	9.744e+01
original_glszm_LargeAreaHighGrayLevelEmphasis	7.031e+01
original_glszm_LargeAreaLowGrayLevelEmphasis	1.378e+03
original_glszm_LowGrayLevelZoneEmphasis	4.354e+01
original_glszm_SizeZoneNonUniformity	1.042e+02

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original_glszm_SizeZoneNonUniformityNormalized	1.845e+01
original_glszm_SmallAreaEmphasis	1.770e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	2.581e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	2.845e+01
original_glszm_ZoneEntropy	1.584e+01
original_glszm_ZonePercentage	1.025e+02
original_glszm_ZoneVariance	9.707e+01
original_ngtdm_Busyness	2.714e+02
original_ngtdm_Coarseness	5.964e+01
original_ngtdm_Complexity	1.216e+02
original_ngtdm_Contrast	1.882e+03
original_ngtdm_Strength	1.457e+02
original_shape_Elongation	2.169e+01
original_shape_Flatness	2.025e+01
original_shape_LeastAxisLength	2.111e+01
original_shape_MajorAxisLength	3.597e+01
original_shape_Maximum2DDiameterColumn	2.803e+01
original shape Maximum2DDiameterRow	3.351e+01
original_shape_Maximum2DDiameterSlice	6.906e+01
original_shape_Maximum3DDiameter	3.606e+01
original_shape_MeshVolume	5.661e+01
original_shape_MinorAxisLength	6.375e+01
original_shape_Sphericity	3.169e+01
original_shape_SurfaceArea	1.465e+02
original_shape_SurfaceVolumeRatio	2.138e+02
original_shape_VoxelVolume	5.652e+01
	Z
original_firstorder_10Percentile	-2.107
original_firstorder_90Percentile	-5.035
original_firstorder_Energy	0.353
original_firstorder_Entropy	7.355
original_firstorder_InterquartileRange	1.600
original_firstorder_Kurtosis	2.822
original_firstorder_Maximum	-0.265
original_firstorder_Mean	15.862
original_firstorder_MeanAbsoluteDeviation	-4.225
original_firstorder_Median	-6.977
original_firstorder_Minimum	-6.674
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	0.862
original firstorder RootMeanSquared	-3.209
original_firstorder_Skewness	1.039
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	3.616
original_firstorder_Variance	2.754
original_glcm_Autocorrelation	5.366
original_glcm_ClusterProminence	0.031
original_glcm_ClusterShade	-0.253
original_glcm_ClusterTendency	-1.355
original_glcm_Contrast	-13.985
original_glcm_Correlation	0.062
original_glcm_DifferenceAverage	23.159
original_glcm_DifferenceEntropy	0.624
original_glcm_DifferenceVariance	6.533
original_glcm_Id original_glcm_Id	87.030
original_glcm_Idm	-76.398
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	0 070
original_glcm_Idmn	0.870
original_glcm_Idn	-1.337
original_glcm_Imc1	0.966
original_glcm_Imc2	0.419
original_glcm_InverseVariance	7.004
original_glcm_JointAverage	-7.076
original_glcm_JointEnergy	-2.601
original_glcm_JointEntropy	-3.087
original_glcm_MCC	-0.148
original_glcm_MaximumProbability	-0.953
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	-2.940
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	-4.111
original_gldm_DependenceNonUniformity	1.129
original_gldm_DependenceNonUniformityNormalized	-0.343
original_gldm_DependenceVariance	1.629
original_gldm_GrayLevelNonUniformity	-1.010
original_gldm_GrayLevelVariance	4.694
original_gldm_HighGrayLevelEmphasis	-59.272
original_gldm_LargeDependenceEmphasis	-4.790
original_gldm_LargeDependenceHighGrayLevelEmphasis	12.385
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.671
original_gldm_LowGrayLevelEmphasis	-0.351
original_gldm_SmallDependenceEmphasis	0.870
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	-0.111
original_glrlm_GrayLevelNonUniformity	-1.667
original_glrlm_GrayLevelNonUniformityNormalized	0.799
original_glrlm_GrayLevelVariance	-2.969
original glrlm HighGrayLevelRunEmphasis	22.175
original_glrlm_LongRunEmphasis	3.449
original_glrlm_LongRunHighGrayLevelEmphasis	-4.854
original_glrlm_LongRunLowGrayLevelEmphasis	-0.484
original_glrlm_LowGrayLevelRunEmphasis	-0.590
original_glrlm_RunEntropy	4.191
original_glrlm_RunLengthNonUniformity	-1.155
original_glrlm_RunLengthNonUniformityNormalized	1.228
original_glrlm_RunPercentage	-4.083
	-2.129
original_glrlm_RunVariance	
original_glrlm_ShortRunEmphasis	-1.638
original_glrlm_ShortRunHighGrayLevelEmphasis	30.551
original_glrlm_ShortRunLowGrayLevelEmphasis	1.447
original_glszm_GrayLevelNonUniformity	1.130
original_glszm_GrayLevelNonUniformityNormalized	-0.228
original_glszm_GrayLevelVariance	1.728
original_glszm_HighGrayLevelZoneEmphasis	-4.841
original_glszm_LargeAreaEmphasis	2.482
original_glszm_LargeAreaHighGrayLevelEmphasis	0.529
original_glszm_LargeAreaLowGrayLevelEmphasis	0.001
original_glszm_LowGrayLevelZoneEmphasis	-1.144
original_glszm_SizeZoneNonUniformity	-0.806
original_glszm_SizeZoneNonUniformityNormalized	-2.581
original_glszm_SmallAreaEmphasis	2.894
original_glszm_SmallAreaHighGrayLevelEmphasis	0.274
original_glszm_SmallAreaLowGrayLevelEmphasis	0.674

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oniginal glazm ZonoEnthony	1 274
original_glszm_ZoneEntropy	1.274
original_glszm_ZonePercentage	-0.730
original_glszm_ZoneVariance	-2.688
original_ngtdm_Busyness	-0.006
original_ngtdm_Coarseness	0.199
original_ngtdm_Complexity	-2.837
original_ngtdm_Contrast	-0.028
original_ngtdm_Strength	-0.003
original_shape_Elongation	0.439
original_shape_Flatness	-0.573
original_shape_LeastAxisLength	2.294
original_shape_MajorAxisLength	1.911
original_shape_Maximum2DDiameterColumn	-1.226
original_shape_Maximum2DDiameterRow	-1.384
original_shape_Maximum2DDiameterSlice	-0.365
original_shape_Maximum3DDiameter	0.278
original_shape_MeshVolume	79.817
original_shape_MinorAxisLength	0.046
original_shape_Sphericity	-0.228
original_shape_SurfaceArea	0.181
original_shape_SurfaceVolumeRatio	0.843
original_shape_VoxelVolume	-78.295
0 - 1 -	р
original_firstorder_10Percentile	0.035131
original_firstorder_90Percentile	4.78e-07
original_firstorder_Energy	0.724026
original_firstorder_Entropy	1.90e-13
original_firstorder_InterquartileRange	0.109489
original_firstorder_Kurtosis	0.004767
original_firstorder_Maximum	0.790777
original_firstorder_Mean	< 2e-16
original firstorder MeanAbsoluteDeviation	2.39e-05
original_firstorder_Median	3.01e-12
original_firstorder_Minimum	2.49e-11
original_firstorder_Range	1.000000
	0.388681
original_firstorder_RobustMeanAbsoluteDeviation	
original_firstorder_RootMeanSquared	0.001333
original_firstorder_Skewness	0.298884
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	0.000299
original_firstorder_Variance	0.005894
original_glcm_Autocorrelation	8.03e-08
original_glcm_ClusterProminence	0.974963
original_glcm_ClusterShade	0.800547
original_glcm_ClusterTendency	0.175286
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	0.950571
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	0.532379
original_glcm_DifferenceVariance	6.44e-11
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	0.384425
original_glcm_Idn	0.181164
original_glcm_Imc1	0.334105
original_glcm_Imc2	0.674942
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	original_glcm_InverseVariance	2.49e-12
	original_glcm_JointAverage	1.49e-12
	original_glcm_JointEnergy	0.009290
	original_glcm_JointEntropy	0.002019
	original_glcm_MCC	0.882217
	original_glcm_MaximumProbability	0.340498
	original_glcm_SumAverage	1.000000
	original_glcm_SumEntropy	0.003284
	original_glcm_SumSquares	1.000000
	original_gldm_DependenceEntropy	3.94e-05
	original_gldm_DependenceNonUniformity	0.259075
	original_gldm_DependenceNonUniformityNormalized	0.731858
	original_gldm_DependenceVariance	0.103315
	original_gldm_GrayLevelNonUniformity	0.312612
	original_gldm_GrayLevelVariance	2.68e-06
	original_gldm_HighGrayLevelEmphasis	< 2e-16
	original_gldm_LargeDependenceEmphasis	1.67e-06
	original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
	original_gldm_LargeDependenceLowGrayLevelEmphasis	0.502082
	original_gldm_LowGrayLevelEmphasis	0.725343
	original_gldm_SmallDependenceEmphasis	0.384216
	original_gldm_SmallDependenceHighGrayLevelEmphasis	
	original_gldm_SmallDependenceLowGrayLevelEmphasis	0.911288
	original_glrlm_GrayLevelNonUniformity	0.095550
	original_glrlm_GrayLevelNonUniformityNormalized	0.424370
	original_glrlm_GrayLevelVariance	0.002990
	original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
	original_glrlm_LongRunEmphasis	0.000562
		1.21e-06
	original_glrlm_LongRunHighGrayLevelEmphasis	
	original_glrlm_LongRunLowGrayLevelEmphasis	0.628233
	original_glrlm_LowGrayLevelRunEmphasis	0.555425 2.78e-05
	original_glrlm_RunEntropy	
	original_glrlm_RunLengthNonUniformity	0.247912
	original_glrlm_RunLengthNonUniformityNormalized	0.219607
	original_glrlm_RunPercentage	4.44e-05
	original_glrlm_RunVariance	0.033262
	original_glrlm_ShortRunEmphasis	0.101391
	original_glrlm_ShortRunHighGrayLevelEmphasis	< 2e-16
	original_glrlm_ShortRunLowGrayLevelEmphasis	0.147873
	original_glszm_GrayLevelNonUniformity	0.258396
	original_glszm_GrayLevelNonUniformityNormalized	0.819988
	original_glszm_GrayLevelVariance	0.083955
	original_glszm_HighGrayLevelZoneEmphasis	1.29e-06
	original_glszm_LargeAreaEmphasis	0.013080
	original_glszm_LargeAreaHighGrayLevelEmphasis	0.596923
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.999540
	original_glszm_LowGrayLevelZoneEmphasis	0.252533
	original_glszm_SizeZoneNonUniformity	0.419974
	original_glszm_SizeZoneNonUniformityNormalized	0.009855
	original_glszm_SmallAreaEmphasis	0.003809
	original_glszm_SmallAreaHighGrayLevelEmphasis	0.784417
	original_glszm_SmallAreaLowGrayLevelEmphasis	0.500137
	original_glszm_ZoneEntropy	0.202665
	original_glszm_ZonePercentage	0.465551
	original_glszm_ZoneVariance	0.007188
	original_ngtdm_Busyness	0.994987

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```
original ngtdm Coarseness
                                                    0.842079
original ngtdm Complexity
                                                    0.004561
original ngtdm Contrast
                                                    0.977613
                                                    0.997217
original ngtdm Strength
original_shape_Elongation
                                                    0.660848
original shape Flatness
                                                    0.566726
                                                    0.021801
original_shape_LeastAxisLength
original_shape_MajorAxisLength
                                                    0.055976
original_shape_Maximum2DDiameterColumn
                                                    0.220359
original_shape_Maximum2DDiameterRow
                                                    0.166498
                                                    0.715001
original_shape_Maximum2DDiameterSlice
original_shape_Maximum3DDiameter
                                                    0.780853
original_shape_MeshVolume
                                                     < 2e-16
original_shape_MinorAxisLength
                                                    0.963665
original_shape_Sphericity
                                                    0.820009
original_shape_SurfaceArea
                                                    0.856208
original shape SurfaceVolumeRatio
                                                    0.399329
original_shape_VoxelVolume
                                                     < 2e-16
Likelihood ratio test=60.58 on 107 df, p=0.9999
n= 166, number of events= 6
$model_list[[1]]$coxmodels[[2]]
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                      1.149e+02
original_firstorder_90Percentile
                                                      1.260e+02
original_firstorder_Energy
                                                     -6.220e+01
                                                      1.653e+00
original_firstorder_Entropy
original_firstorder_InterquartileRange
                                                     -1.249e+02
original_firstorder_Kurtosis
                                                     -7.307e+00
original_firstorder_Maximum
                                                      2.579e+01
original_firstorder_Mean
                                                     -2.892e+02
original_firstorder_MeanAbsoluteDeviation
                                                     -1.556e+02
original firstorder Median
                                                      8.022e+01
original firstorder Minimum
                                                      2.090e+02
original firstorder Range
                                                      0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation
                                                      1.326e+02
original firstorder RootMeanSquared
                                                      5.504e+00
original firstorder Skewness
                                                     -8.837e+00
original firstorder TotalEnergy
                                                      0.000e+00
original firstorder Uniformity
                                                      1.501e+02
original firstorder Variance
                                                     -5.637e+02
original glcm Autocorrelation
                                                     -1.624e+03
original glcm ClusterProminence
                                                      7.972e+01
original glcm ClusterShade
                                                      3.901e+02
original glcm ClusterTendency
                                                      1.275e+02
original glcm Contrast
                                                     -1.729e+03
original_glcm_Correlation
                                                     -2.388e+01
original glcm DifferenceAverage
                                                      9.063e+02
original_glcm_DifferenceEntropy
                                                      2.772e+02
original_glcm_DifferenceVariance
                                                      5.886e+02
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original_glcm_	_Id	8.432e+03
original_glcm_	_Idm	-7.015e+03
original_glcm_	_Idmn	1.223e+02
original_glcm_	_Idn	-2.270e+02
original_glcm_	_Imc1	3.912e+00
original_glcm_	Imc2	1.712e+00
original_glcm_	_ _InverseVariance	7.078e+02
original_glcm_	_ _JointAverage	-9.828e+01
original_glcm_	_	-1.216e+01
original_glcm_		-2.012e+02
original_glcm_	-	2.388e+01
	- _MaximumProbability	9.229e-01
original_glcm_		0.000e+00
original_glcm_		-3.128e+01
original_glcm_		0.000e+00
	_DependenceEntropy	2.023e+02
	_DependenceNonUniformity	1.013e+01
		2.051e+02
	_DependenceVariance	-2.094e+02
	_GrayLevelNonUniformity	-4.682e+01
	_GrayLevelVariance	1.005e+03
	_HighGrayLevelEmphasis	1.953e+03
	_LargeDependenceEmphasis	-1.999e+02
	_LargeDependenceHighGrayLevelEmphasis	5.603e+02
	LargeDependenceLowGrayLevelEmphasis	7.296e+02
	_LangebependenceLowdrayLevelEmphasis _LowGrayLevelEmphasis	-6.239e+02
	SmallDependenceEmphasis	5.313e+02
	_smallDependenceHighGrayLevelEmphasis	-1.917e+02
	_SmallDependenceLowGrayLevelEmphasis	-4.935e+01
	_smailDependenceLowdrayLevelEmphasis n_GrayLevelNonUniformity	4.557e+01
	_GrayLevelNonUniformity n_GrayLevelNonUniformityNormalized	
		-1.138e+02
	1_GrayLevelVariance	-2.817e+02
	n_HighGrayLevelRunEmphasis	-2.594e+03
	n_LongRunEmphasis	6.043e+00
	n_LongRunHighGrayLevelEmphasis	-6.831e+01
	n_LongRunLowGrayLevelEmphasis	-3.292e+01
	n_LowGrayLevelRunEmphasis	-2.012e+03
original_glrlm		1.077e+02
	n_RunLengthNonUniformity	3.548e+01
	n_RunLengthNonUniformityNormalized	-3.898e+02
0 _0	n_RunPercentage	3.481e+02
original_glrlm		-7.261e+01
	n_ShortRunEmphasis	-4.472e+02
	n_ShortRunHighGrayLevelEmphasis	2.330e+03
	n_ShortRunLowGrayLevelEmphasis	2.395e+03
	n_GrayLevelNonUniformity	2.892e+00
	n_GrayLevelNonUniformityNormalized	1.002e+02
	n_GrayLevelVariance	-2.333e+01
	n_HighGrayLevelZoneEmphasis	-1.395e+02
	n_LargeAreaEmphasis	1.380e+04
	n_LargeAreaHighGrayLevelEmphasis	6.895e+01
	n_LargeAreaLowGrayLevelEmphasis	-1.462e+02
	n_LowGrayLevelZoneEmphasis	-1.099e+02
	n_SizeZoneNonUniformity	3.759e+01
	n_SizeZoneNonUniformityNormalized	1.030e+02
original_glszm	n_SmallAreaEmphasis	-1.724e+02

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original_glszm_SmallAreaHighGrayLevelEmphasis	1.408e+02
original_glszm_SmallAreaLowGrayLevelEmphasis	2.868e+01
original_glszm_ZoneEntropy	6.951e+01
original_glszm_ZonePercentage	-3.466e+02
original_glszm_ZoneVariance	-1.383e+04
original_ngtdm_Busyness	-7.073e+01
	-2.575e+00
original_ngtdm_Coarseness	2.548e+01
original_ngtdm_Complexity	1.181e+01
original_ngtdm_Contrast	-1.690e+00
original_ngtdm_Strength	
original_shape_Elongation	-9.877e+00
original_shape_Flatness	-6.806e-01
original_shape_LeastAxisLength	-8.730e+00
original_shape_MajorAxisLength	-2.723e+01
original_shape_Maximum2DDiameterColumn	1.302e+01
original_shape_Maximum2DDiameterRow	1.075e+01
original_shape_Maximum2DDiameterSlice	2.555e+01
original_shape_Maximum3DDiameter	-1.984e+01
original_shape_MeshVolume	1.965e+03
original_shape_MinorAxisLength	3.034e+00
original_shape_Sphericity	-9.122e+00
original_shape_SurfaceArea	-2.434e+01
original_shape_SurfaceVolumeRatio	-1.454e+02
original_shape_VoxelVolume	-1.984e+03
	exp(coef)
original_firstorder_10Percentile	7.784e+49
original_firstorder_90Percentile	5.219e+54
original_firstorder_Energy	9.678e-28
original_firstorder_Entropy	5.224e+00
original_firstorder_InterquartileRange	5.484e-55
original_firstorder_Kurtosis	6.708e-04
original_firstorder_Maximum	1.594e+11
original_firstorder_Mean	2.463e-126
original_firstorder_MeanAbsoluteDeviation	2.534e-68
original_firstorder_Median	6.897e+34
original_firstorder_Minimum	5.688e+90
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	3.733e+57
original_firstorder_RootMeanSquared	2.457e+02
original_firstorder_Skewness	1.453e-04
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	1.488e+65
original_firstorder_Variance	1.487e-245
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	4.208e+34
original_glcm_ClusterShade	2.508e+169
original_glcm_ClusterTendency	2.389e+55
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	4.236e-11
original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	2.347e+120
original_glcm_DifferenceVariance	4.054e+255
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	1.358e+53
original_glcm_Idn	2.549e-99

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original_glcm_Imc1	5.001e+01
original_glcm_Imc2	5.541e+00
original_glcm_InverseVariance	2.501e+307
original_glcm_JointAverage	2.074e-43
original_glcm_JointEnergy	5.232e-06
original_glcm_JointEntropy	4.125e-88
original_glcm_MCC	2.347e+10
original_glcm_MaximumProbability	2.517e+00
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	2.608e-14
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	7.011e+87
original_gldm_DependenceNonUniformity	2.498e+04
original_gldm_DependenceNonUniformityNormalized	1.237e+89
original_gldm_DependenceVariance	1.185e-91
original_gldm_GrayLevelNonUniformity	4.657e-21
original_gldm_GrayLevelVariance	Inf
original_gldm_HighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceEmphasis	1.548e-87
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.065e+243
original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
original_gldm_LowGrayLevelEmphasis	1.083e-271
original_gldm_SmallDependenceEmphasis	5.420e+230
original_gldm_SmallDependenceHighGrayLevelEmphasis	5.601e-84
original_gldm_SmallDependenceLowGrayLevelEmphasis	3.703e-22
original_glrlm_GrayLevelNonUniformity	6.160e+19
original_glrlm_GrayLevelNonUniformityNormalized	3.595e-50
original_glrlm_GrayLevelVariance	4.686e-123
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	4.212e+02
original_glrlm_LongRunHighGrayLevelEmphasis	2.145e-30
original_glrlm_LongRunLowGrayLevelEmphasis	5.046e-15
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	5.917e+46
original_glrlm_RunLengthNonUniformity	2.566e+15
original_glrlm_RunLengthNonUniformityNormalized	5.340e-170
original_glrlm_RunPercentage	1.434e+151
original_glrlm_RunVariance	2.910e-32
original_glrlm_ShortRunEmphasis	5.969e-195
original_glrlm_ShortRunHighGrayLevelEmphasis	Inf
original_glrlm_ShortRunLowGrayLevelEmphasis	Inf
original_glszm_GrayLevelNonUniformity	1.803e+01
original_glszm_GrayLevelNonUniformityNormalized	3.189e+43
original_glszm_GrayLevelVariance	7.352e-11
original_glszm_HighGrayLevelZoneEmphasis	2.714e-61
original_glszm_LargeAreaEmphasis	Inf
original_glszm_LargeAreaHighGrayLevelEmphasis	8.786e+29
original_glszm_LargeAreaLowGrayLevelEmphasis	3.100e-64
original_glszm_LowGrayLevelZoneEmphasis	1.902e-48
original_glszm_SizeZoneNonUniformity	2.108e+16
original_glszm_SizeZoneNonUniformityNormalized	5.164e+44
original_glszm_SmallAreaEmphasis	1.360e-75
original_glszm_SmallAreaHighGrayLevelEmphasis	1.351e+61
original_glszm_SmallAreaLowGrayLevelEmphasis	2.842e+12
original_glszm_ZoneEntropy	1.541e+30
original_glszm_ZonePercentage	2.996e-151

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original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	1.912e-31
original_ngtdm_Coarseness	7.615e-02
original_ngtdm_Complexity	1.167e+11
original_ngtdm_Contrast	1.970e+51
original_ngtdm_Strength	1.845e-01
original_shape_Elongation	5.133e-05
original_shape_Flatness	5.063e-01
original shape LeastAxisLength	1.617e-04
original_shape_MajorAxisLength	1.491e-12
original_shape_Maximum2DDiameterColumn	4.522e+05
original_shape_Maximum2DDiameterRow	4.669e+04
original_shape_Maximum2DDiameterSlice	1.252e+11
original_shape_Maximum3DDiameter	2.416e-09
original_shape_MeshVolume	Inf
original_shape_MinorAxisLength	2.077e+01
original_shape_Sphericity	1.092e-04
original_shape_SurfaceArea	2.700e-11
original_shape_SurfaceVolumeRatio	7.438e-64
original_shape_VoxelVolume	0.000e+00
of Iginal_shape_toxelvolame	se(coef)
original_firstorder_10Percentile	2.121e-01
original_firstorder_90Percentile	1.862e-01
original_firstorder_Energy	1.876e-01
original_firstorder_Entropy	2.520e-01
original_firstorder_InterquartileRange	3.016e-01
original_firstorder_Kurtosis	2.199e-01
original_firstorder_Maximum	1.761e-01
original_firstorder_Mean	2.374e-01
original_firstorder_MeanAbsoluteDeviation	2.230e-01
original_firstorder_Median	2.731e-01
original_firstorder_Minimum	5.329e-01
original_firstorder_Range	2.462e-01
original_firstorder_RobustMeanAbsoluteDeviation	3.041e-01
original_firstorder_RootMeanSquared	2.380e-01
original_firstorder_Skewness	1.515e-01
original_firstorder_TotalEnergy	1.876e-01
original_firstorder_Uniformity	2.808e-01
original_firstorder_Variance	3.598e-01
original_glcm_Autocorrelation	4.097e-01
original_glcm_ClusterProminence	2.573e+00
original_glcm_ClusterShade	5.387e-01
original_glcm_ClusterTendency	3.082e-01
original_glcm_Contrast	1.500e+00
original_glcm_Correlation	2.904e-01
original_glcm_DifferenceAverage	2.961e-01
original_glcm_DifferenceEntropy	2.800e-01
original_glcm_DifferenceVariance	1.831e+00
original_glcm_Id	2.458e-01
original_glcm_Idm	2.452e-01
original_glcm_Idmn	4.271e-01
original_glcm_Idn	3.762e-01
original_glcm_Imc1	2.513e-01
original_glcm_Imc2	3.154e-01
original_glcm_InverseVariance	2.309e-01
original_glcm_JointAverage	5.153e-01

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original_glcm_JointEnergy	3.012e-01
original_glcm_JointEntropy	2.488e-01
original_glcm_MCC	3.185e-01
original_glcm_MaximumProbability	2.558e-01
original_glcm_SumAverage	5.153e-01
original_glcm_SumEntropy	2.575e-01
original_glcm_SumSquares	3.761e-01
original_gldm_DependenceEntropy	2.980e-01
original_gldm_DependenceNonUniformity	1.710e-01
original_gldm_DependenceNonUniformityNormalized	2.969e-01
original_gldm_DependenceVariance	2.349e-01
original_gldm_GrayLevelNonUniformity	1.650e-01
original_gldm_GrayLevelVariance	3.591e-01
original_gldm_HighGrayLevelEmphasis	4.108e-01
original_gldm_LargeDependenceEmphasis	2.618e-01
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.927e-01
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.008e+00
original_gldm_LowGrayLevelEmphasis	2.688e-01
original_gldm_SmallDependenceEmphasis	2.953e-01
original_gldm_SmallDependenceHighGrayLevelEmphasis	2.630e-01
original_gldm_SmallDependenceLowGrayLevelEmphasis	5.170e-01
original_glrlm_GrayLevelNonUniformity	1.610e-01
original_glrlm_GrayLevelNonUniformityNormalized	3.087e-01
original_glrlm_GrayLevelVariance	3.447e-01
original_glrlm_HighGrayLevelRunEmphasis	4.134e-01
original_glrlm_LongRunEmphasis	3.154e-01
original_glrlm_LongRunHighGrayLevelEmphasis	2.084e-01
original_glrlm_LongRunLowGrayLevelEmphasis	4.190e-01
original_glrlm_LowGrayLevelRunEmphasis	2.996e-01
original_glrlm_RunEntropy	3.288e-01
original_glrlm_RunLengthNonUniformity	1.577e-01
original_glrlm_RunLengthNonUniformityNormalized	2.660e-01
original_glrlm_RunPercentage	2.663e-01
original_glrlm_RunVariance	3.089e-01
original_glrlm_ShortRunEmphasis	2.677e-01
original_glrlm_ShortRunHighGrayLevelEmphasis	3.921e-01
original glrlm ShortRunLowGrayLevelEmphasis	2.706e-01
original glszm GrayLevelNonUniformity	1.623e-01
original_glszm_GrayLevelNonUniformityNormalized	7.638e-01
original_glszm_GrayLevelVariance	2.688e-01
original glszm HighGrayLevelZoneEmphasis	4.280e-01
original_glszm_LargeAreaEmphasis	1.694e-01
original_glszm_LargeAreaHighGrayLevelEmphasis	1.171e-01
original_glszm_LargeAreaLowGrayLevelEmphasis	1.897e+00
original_glszm_LowGrayLevelZoneEmphasis	1.385e+00
original_glszm_SizeZoneNonUniformity	1.845e-01
original_glszm_SizeZoneNonUniformityNormalized	3.238e-01
original_glszm_SmallAreaEmphasis	3.563e-01
original_glszm_SmallAreaHighGrayLevelEmphasis	3.882e-01
original_glszm_SmallAreaLowGrayLevelEmphasis	1.312e+00
original_glszm_ZoneEntropy	4.127e-01
original_glszm_ZonePercentage	3.063e-01
original_glszm_ZoneVariance	1.691e-01
original_ngtdm_Busyness	9.327e-01
original_ngtdm_Coarseness	8.963e-01
original_ngtdm_Complexity	3.879e-01
20-101-119 com-combrevity	3.0750 01

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original_ngtdm_Contrast	9.125e-01
original_ngtdm_Strength	4.343e-01
original_shape_Elongation	2.637e-01
original_shape_Flatness	3.406e-01
original_shape_LeastAxisLength	1.994e-01
original_shape_MajorAxisLength	2.332e-01
original_shape_Maximum2DDiameterColumn	2.158e-01
original_shape_Maximum2DDiameterRow	2.285e-01
original shape Maximum2DDiameterSlice	2.152e-01
original_shape_Maximum3DDiameter	1.912e-01
original_shape_MeshVolume	1.604e-01
original_shape_MinorAxisLength	2.159e-01
original_shape_Sphericity	2.935e-01
original_shape_SurfaceArea	1.424e-01
original_shape_SurfaceVolumeRatio	2.717e-01
original_shape_VoxelVolume	1.607e-01
or Iginal_shape_voxelvolame	z. 007 c 02
original_firstorder_10Percentile	541.686
original_firstorder_90Percentile	676.764
original firstorder Energy	-331.527
original_firstorder_Entropy	6.562
original_firstorder_InterquartileRange	-414.220
original_firstorder_Kurtosis	-33.223
original_firstorder_Maximum	146.455
original_firstorder_Mean	-1218.278
original_firstorder_MeanAbsoluteDeviation	-697.844
original_firstorder_Median	293.705
original_firstorder_Minimum	392.145
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	435.920
original_firstorder_RootMeanSquared	23.130
original_firstorder_Skewness	-58.319
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	534.514
original_firstorder_Variance	-1566.957
original_glcm_Autocorrelation	-3964.719
original_glcm_ClusterProminence	30.983
original_glcm_ClusterShade	724.117
original_glcm_ClusterTendency	413.792
original_glcm_Contrast	-1152.132
original_glcm_Correlation	-82.236
original_glcm_DifferenceAverage	3061.039
original_glcm_DifferenceEntropy	989.944
original_glcm_DifferenceVariance	321.363
original_glcm_Id	34310.451
original_glcm_Idm	-28610.268
original_glcm_Idmn	286.449
original_glcm_Idn	-603.487
original_glcm_Imc1	15.569
original_glcm_Imc2	5.429
original_glcm_InverseVariance	3065.782
original_glcm_JointAverage	-190.732
original_glcm_JointEnergy	-40.380
original_glcm_JointEntropy	-808.635
original_glcm_MCC	74.977
original_glcm_MaximumProbability	3.608

I	
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	-121.485
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	678.845
original_gldm_DependenceNonUniformity	59.200
original_gldm_DependenceNonUniformityNormalized	690.941
original_gldm_DependenceVariance	-891.115
original_gldm_GrayLevelNonUniformity	-283.730
original_gldm_GrayLevelVariance	2798.560
original_gldm_HighGrayLevelEmphasis	4753.202
original_gldm_LargeDependenceEmphasis	-763.375
original_gldm_LargeDependenceHighGrayLevelEmphasis	2906.864
original_gldm_LargeDependenceLowGrayLevelEmphasis	723.990
original_gldm_LowGrayLevelEmphasis	-2321.486
original_gldm_SmallDependenceEmphasis	1799.315
original_gldm_SmallDependenceHighGrayLevelEmphasis	-728.933
original_gldm_SmallDependenceLowGrayLevelEmphasis	-95.447
original_glrlm_GrayLevelNonUniformity	282.957
original_glrlm_GrayLevelNonUniformityNormalized	-368.795
original_glrlm_GrayLevelVariance	-817.038
original_glrlm_HighGrayLevelRunEmphasis	-6275.381
original_glrlm_LongRunEmphasis	19.158
original_glrlm_LongRunHighGrayLevelEmphasis	-327.870
original_glrlm_LongRunLowGrayLevelEmphasis	-78.575
original_glrlm_LowGrayLevelRunEmphasis	-6713.682
original_glrlm_RunEntropy	327.576
original_glrlm_RunLengthNonUniformity	224.993
original_glrlm_RunLengthNonUniformityNormalized	-1465.297
original_glrlm_RunPercentage	1307.061
original_glrlm_RunVariance	-235.080
original_glrlm_ShortRunEmphasis	-1670.878
original_glrlm_ShortRunHighGrayLevelEmphasis	5942.469
original_glrlm_ShortRunLowGrayLevelEmphasis	8847.976
original_glszm_GrayLevelNonUniformity	17.815
original_glszm_GrayLevelNonUniformityNormalized	131.148
original_glszm_GrayLevelVariance	-86.792
original_glszm_HighGrayLevelZoneEmphasis	-325.871
original_glszm_LargeAreaEmphasis	81432.622
original_glszm_LargeAreaHighGrayLevelEmphasis	588.629
original_glszm_LargeAreaLowGrayLevelEmphasis	-77.089
original glszm LowGrayLevelZoneEmphasis	-79.364
original_glszm_SizeZoneNonUniformity	203.720
original_glszm_SizeZoneNonUniformityNormalized	317.937
original_glszm_SmallAreaEmphasis	-483.847
original_glszm_SmallAreaHighGrayLevelEmphasis	362.583
original_glszm_SmallAreaLowGrayLevelEmphasis	21.858
original_glszm_ZoneEntropy	168.415
original_glszm_ZonePercentage	-1131.546
original_glszm_ZoneVariance	-81800.891
original_ngtdm_Busyness	-75.836
original_ngtdm_Coarseness	-2.873
original_ngtdm_Complexity	65.703
original_ngtdm_Contrast	129.429
original_ngtdm_Strength	-3.893
original_shape_Elongation	-37.455
original_shape_Flatness	-1.998
	•

, 1,2020, 11.00	
original_shape_LeastAxisLength	-43.792
original_shape_MajorAxisLength	-116.784
original_shape_Maximum2DDiameterColumn	60.350
original_shape_Maximum2DDiameterRow	47.058
original_shape_Maximum2DDiameterSlice	118.735
original_shape_Maximum3DDiameter	-103.796
original_shape_MeshVolume	12252.077
original_shape_MinorAxisLength	14.054
original_shape_Sphericity	-31.087
original_shape_SurfaceArea	-170.941
original_shape_SurfaceVolumeRatio	-535.027
original_shape_VoxelVolume	-12345.920
	р
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	< 2e-16
original_firstorder_Entropy	5.31e-11
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	< 2e-16
original_firstorder_Maximum	< 2e-16
	< 2e-16
original_firstorder_Mean	
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.000000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	< 2e-16
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	< 2e-16
original_glcm_ClusterShade	< 2e-16
original_glcm_ClusterTendency	< 2e-16
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	< 2e-16
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	< 2e-16
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	< 2e-16
original_glcm_Imc2	5.68e-08
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	< 2e-16 < 2e-16
original_glcm_MaximumProbability	0.000309
original_glcm_SumAverage	1.000000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	1.000000
original_gldm_DependenceEntropy	< 2e-16

original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	
	< 2e-16
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
original_gldm_LowGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceEmphasis	< 2e-16
original_gldm_SmallDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceLowGrayLevelEmphasis	< 2e-16
original_glrlm_GrayLevelNonUniformity	< 2e-16
original_glrlm_GrayLevelNonUniformityNormalized	< 2e-16
	< 2e-16
original_glrlm_GrayLevelVariance	
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	< 2e-16
original_glrlm_LongRunHighGrayLevelEmphasis	< 2e-16
original_glrlm_LongRunLowGrayLevelEmphasis	< 2e-16
original_glrlm_LowGrayLevelRunEmphasis	< 2e-16
original_glrlm_RunEntropy	< 2e-16
original_glrlm_RunLengthNonUniformity	< 2e-16
original_glrlm_RunLengthNonUniformityNormalized	< 2e-16
original_glrlm_RunPercentage	< 2e-16
original_glrlm_RunVariance	< 2e-16
original_glrlm_ShortRunEmphasis	< 2e-16
original_glrlm_ShortRunHighGrayLevelEmphasis	< 2e-16
original_glrlm_ShortRunLowGrayLevelEmphasis	< 2e-16
original_glszm_GrayLevelNonUniformity	< 2e-16
original_glszm_GrayLevelNonUniformityNormalized	< 2e-16
original_glszm_GrayLevelVariance	< 2e-16
original_glszm_HighGrayLevelZoneEmphasis	< 2e-16
original_glszm_LargeAreaEmphasis	< 2e-16
original_glszm_LargeAreaHighGrayLevelEmphasis	< 2e-16
original_glszm_LargeAreaLowGrayLevelEmphasis	< 2e-16
original_glszm_LowGrayLevelZoneEmphasis	< 2e-16
original_glszm_SizeZoneNonUniformity	< 2e-16
original_glszm_SizeZoneNonUniformityNormalized	< 2e-16
original_glszm_SmallAreaEmphasis	< 2e-16
original_glszm_SmallAreaHighGrayLevelEmphasis	< 2e-16
original_glszm_SmallAreaLowGrayLevelEmphasis	< 2e-16
original_glszm_ZoneEntropy	< 2e-16
original_glszm_ZonePercentage	< 2e-16
original_glszm_ZoneVariance	< 2e-16
original_ngtdm_Busyness	< 2e-16
original_ngtdm_Coarseness	0.004068
original_ngtdm_Complexity	< 2e-16
original_ngtdm_Contrast	< 2e-16
original_ngtdm_Strength	9.92e-05
original_shape_Elongation	< 2e-16
original_shape_Flatness	0.045685
original_shape_LeastAxisLength	< 2e-16
original_shape_MajorAxisLength	< 2e-16
original_shape_Maximum2DDiameterColumn	< 2e-16
original_shape_Maximum2DDiameterRow	< 2e-16

```
original shape Maximum2DDiameterSlice
                                                    < 2e-16
original shape Maximum3DDiameter
                                                     < 2e-16
original shape MeshVolume
                                                     < 2e-16
original shape MinorAxisLength
                                                     < 2e-16
original_shape_Sphericity
                                                    < 2e-16
original shape SurfaceArea
                                                    < 2e-16
original_shape_SurfaceVolumeRatio
                                                    < 2e-16
original_shape_VoxelVolume
                                                    < 2e-16
Likelihood ratio test=271.1 on 107 df, p=3.243e-16
n= 120, number of events= 35
$model_list[[1]]$coxmodels[[3]]
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
   paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                    -3.742e+03
original firstorder 90Percentile
                                                     2.813e+03
original firstorder Energy
                                                     4.583e+02
original_firstorder_Entropy
                                                     -7.428e+03
original_firstorder_InterquartileRange
                                                     7.727e+03
original firstorder Kurtosis
                                                     4.961e+01
original_firstorder_Maximum
                                                     6.787e+01
original_firstorder_Mean
                                                     -3.518e+03
original firstorder MeanAbsoluteDeviation
                                                     -8.494e+03
original firstorder Median
                                                     9.330e+02
original_firstorder_Minimum
                                                     3.637e+02
original_firstorder_Range
                                                     0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation
                                                    -9.161e+03
original_firstorder_RootMeanSquared
                                                     1.829e+03
original_firstorder_Skewness
                                                     -1.057e+02
original_firstorder_TotalEnergy
                                                     0.000e+00
original firstorder Uniformity
                                                     -1.446e+03
original_firstorder_Variance
                                                     -2.235e+04
original_glcm_Autocorrelation
                                                     5.895e+03
original glcm ClusterProminence
                                                     1.045e+05
original glcm ClusterShade
                                                      3.656e+04
original_glcm_ClusterTendency
                                                     -1.709e+04
original_glcm_Contrast
                                                     4.703e+04
original glcm Correlation
                                                     4.004e+02
original glcm DifferenceAverage
                                                     -2.865e+03
                                                     -1.780e+03
original glcm DifferenceEntropy
original glcm DifferenceVariance
                                                     -3.832e+04
original_glcm_Id
                                                     5.978e+03
original glcm Idm
                                                     -4.492e+03
original glcm Idmn
                                                      6.805e+02
original glcm Idn
                                                     -3.758e+02
original glcm Imc1
                                                     4.996e+02
original glcm Imc2
                                                      3.235e+02
original_glcm_InverseVariance
                                                     -4.634e+02
original glcm JointAverage
                                                      1.505e+03
original_glcm_JointEnergy
                                                      3.025e+01
original_glcm_JointEntropy
                                                      9.216e+03
```

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original_glcm_MCC	-7.997e+01
original_glcm_MaximumProbability	7.024e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	-3.798e+03
original_glcm_SumSquares	
	0.000e+00
original_gldm_DependenceEntropy	-8.534e+02
original_gldm_DependenceNonUniformity	1.963e+03
original_gldm_DependenceNonUniformityNormalized	-7.804e+02
original_gldm_DependenceVariance	-8.832e+02
original_gldm_GrayLevelNonUniformity	5.382e+02
original_gldm_GrayLevelVariance	5.866e+04
original_gldm_HighGrayLevelEmphasis	-7.971e+03
original_gldm_LargeDependenceEmphasis	-1.178e+03
original_gldm_LargeDependenceHighGrayLevelEmphasi	s 1.699e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.280e+03
original_gldm_LowGrayLevelEmphasis	3.560e+03
original_gldm_SmallDependenceEmphasis	1.815e+03
original_gldm_SmallDependenceHighGrayLevelEmphasi	s -2.436e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	-1.263e+03
original_glrlm_GrayLevelNonUniformity	-1.375e+03
original_glrlm_GrayLevelNonUniformityNormalized	3.069e+02
original_glrlm_GrayLevelVariance	3.807e+03
original_glrlm_HighGrayLevelRunEmphasis	-8.037e+03
original_glrlm_LongRunEmphasis	-1.831e+03
original_glrlm_LongRunHighGrayLevelEmphasis	-3.606e+02
original_glrlm_LongRunLowGrayLevelEmphasis	-5.438e+02
original_glrlm_LowGrayLevelRunEmphasis	-1.836e+04
original_glrlm_RunEntropy	3.724e+03
original_glrlm_RunLengthNonUniformity	-5.579e+02
original_glrlm_RunLengthNonUniformityNormalized	-3.460e+03
original glrlm RunPercentage	7.045e+02
original_glrlm_RunVariance	9.890e+02
original_glrlm_ShortRunEmphasis	2.367e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	8.462e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	1.678e+04
original_glszm_GrayLevelNonUniformity	-2.478e+02
original_glszm_GrayLevelNonUniformityNormalized	-1.523e+02
original_glszm_GrayLevelVariance	-2.251e+03
original_glszm_HighGrayLevelZoneEmphasis	1.252e+03
	-7.382e+00
original_glszm_LargeAreaHighCrayLavalEmphasis	-1.859e+02
original_glszm_LangeAreaHighGrayLevelEmphasis	
original_glszm_LargeAreaLowGrayLevelEmphasis	-9.990e+01
original_glszm_LowGrayLevelZoneEmphasis	-1.323e+00
original_glszm_SizeZoneNonUniformity	4.150e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	8.533e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	1.142e+02
original_ngtdm_Busyness	-3.866e+00
original_ngtdm_Coarseness	-2.699e+00
original_ngtdm_Complexity	-2.806e+01
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
-	

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original_shape_Elongation	-2.671e+00
original_shape_Flatness	4.116e-01
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	3.816e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	-8.086e+00
original shape MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
i-il Circhender 10Dtil-	exp(coef)
original_firstorder_10Percentile	0.000e+00
original_firstorder_90Percentile	Inf
original_firstorder_Energy	1.041e+199
original_firstorder_Entropy	0.000e+00
original_firstorder_InterquartileRange	Inf
original_firstorder_Kurtosis	3.503e+21
original_firstorder_Maximum	2.993e+29
original_firstorder_Mean	0.000e+00
original_firstorder_MeanAbsoluteDeviation	0.000e+00
original_firstorder_Median	Inf
original_firstorder_Minimum	9.415e+157
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
original_firstorder_RootMeanSquared	Inf
original_firstorder_Skewness	1.198e-46
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	0.000e+00
original_firstorder_Variance	0.000e+00
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	Inf
original_glcm_Correlation	7.603e+173
original_glcm_DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	0.000e+00
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	3.330e+295
original_glcm_Idn	6.333e-164
original_glcm_Imc1	9.160e+216
original_glcm_Imc2	3.194e+140
original_glcm_InverseVariance	5.861e-202
original_glcm_JointAverage	Inf
original_glcm_JointEnergy	1.375e+13
original_glcm_JointEntropy	Inf
original_glcm_MCC	1.857e-35
original_glcm_MaximumProbability	3.210e+30
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	0.000e+00

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4/2025, 11.50 Simulated examples	ioi ille survivai en
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	0.000e+00
original_gldm_DependenceNonUniformity	Inf
original_gldm_DependenceNonUniformityNormalized	0.000e+00
original_gldm_DependenceVariance	0.000e+00
original_gldm_GrayLevelNonUniformity	5.672e+233
original_gldm_GrayLevelVariance	Inf
original_gldm_HighGrayLevelEmphasis	0.000e+00
original gldm LargeDependenceEmphasis	0.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
original_gldm_LowGrayLevelEmphasis	Inf
original_gldm_SmallDependenceEmphasis	Inf
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00
original_glrlm_GrayLevelNonUniformity	0.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	1.918e+133
original_glrlm_GrayLevelVariance	Inf
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	2.367e-157
original_glrlm_LongRunLowGrayLevelEmphasis	6.776e-237
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	Inf
original_glrlm_RunLengthNonUniformity	5.138e-243
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	9.352e+305
original_glrlm_RunVariance	Inf
original_glrlm_ShortRunEmphasis	Inf
original_glrlm_ShortRunHighGrayLevelEmphasis	Inf
original_glrlm_ShortRunLowGrayLevelEmphasis	Inf
original_glszm_GrayLevelNonUniformity	2.335e-108
original_glszm_GrayLevelNonUniformityNormalized	7.474e-67
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	Inf
original_glszm_LargeAreaEmphasis	6.225e-04
original_glszm_LargeAreaHighGrayLevelEmphasis	1.871e-81
original_glszm_LargeAreaLowGrayLevelEmphasis	4.096e-44
original_glszm_LowGrayLevelZoneEmphasis	2.662e-01
original_glszm_SizeZoneNonUniformity	6.342e+01
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	5.081e+03
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	4.043e+49
original_ngtdm_Busyness	2.095e-02
original_ngtdm_Coarseness	6.725e-02
original_ngtdm_Complexity	6.531e-13
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	6.917e-02
original_shape_Flatness	1.509e+00
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e+00

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_	472020, 11.00 Ointuiated examples for	tile sulvival clis
l	original_shape_Maximum2DDiameterColumn	4.543e+01
l	original_shape_Maximum2DDiameterRow	1.000e+00
l	original_shape_Maximum2DDiameterSlice	1.000e+00
l	original_shape_Maximum3DDiameter	3.078e-04
l	original_shape_MeshVolume	1.000e+00
l	original_shape_MinorAxisLength	1.000e+00
l	original_shape_Sphericity	1.000e+00
l	original_shape_SurfaceArea	1.000e+00
l	original_shape_SurfaceVolumeRatio	1.000e+00
l	original_shape_VoxelVolume	1.000e+00
l	0 1 2 1 1 1 1 1 1	se(coef)
l	original_firstorder_10Percentile	7.211e+02
l	original_firstorder_90Percentile	5.338e+02
l	original_firstorder_Energy	1.359e+03
l	original_firstorder_Entropy	4.839e+02
l	original_firstorder_InterquartileRange	2.171e+03
l	original_firstorder_Kurtosis	2.457e+02
l	original_firstorder_Maximum	1.251e+03
l	original_firstorder_Mean	3.790e+02
l	original_firstorder_MeanAbsoluteDeviation	1.024e+03
l	original_firstorder_Median	3.758e+02
l	original_firstorder_Minimum	2.151e+02
l		5.971e+02
l	original_firstorder_Range	
l	original_firstorder_RobustMeanAbsoluteDeviation	2.064e+03
l	original_firstorder_RootMeanSquared	1.195e+03
l	original_firstorder_Skewness	1.479e+02
l	original_firstorder_TotalEnergy	1.359e+03
l	original_firstorder_Uniformity	5.324e+02
l	original_firstorder_Variance	3.145e+03
l	original_glcm_Autocorrelation	2.264e+02
l	original_glcm_ClusterProminence	8.422e+04
l	original_glcm_ClusterShade	1.015e+04
l	original_glcm_ClusterTendency	3.739e+03
l	original_glcm_Contrast	7.429e+03
l	original_glcm_Correlation	2.820e+02
l	original_glcm_DifferenceAverage	1.296e+03
l	original_glcm_DifferenceEntropy	6.981e+02
l	original_glcm_DifferenceVariance	7.651e+03
l	original_glcm_Id	8.874e+02
l	original_glcm_Idm	9.097e+02
l	original_glcm_Idmn	1.215e+03
l	original_glcm_Idn	9.583e+02
l	original_glcm_Imc1	2.885e+02
l	original_glcm_Imc2	2.661e+02
l	original_glcm_InverseVariance	4.381e+02
l	original_glcm_JointAverage	2.181e+02
l	original_glcm_JointEnergy	7.471e+02
l	original_glcm_JointEntropy	6.166e+02
	original_glcm_MCC	5.203e+02
	original_glcm_MaximumProbability	9.924e+02
l	original_glcm_SumAverage	2.181e+02
l	original_glcm_SumEntropy	4.855e+02
	original_glcm_SumSquares	4.174e+03
l	original_gldm_DependenceEntropy	4.198e+02
	original_gldm_DependenceNonUniformity	4.100e+02
	original_gldm_DependenceNonUniformityNormalized	3.075e+02
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''	2020, 11.00 Oilitulated examples for	tile Sulvival elik
	original_gldm_DependenceVariance	2.717e+02
	original_gldm_GrayLevelNonUniformity	4.523e+02
	original_gldm_GrayLevelVariance	3.145e+03
	original_gldm_HighGrayLevelEmphasis	2.265e+02
	original_gldm_LargeDependenceEmphasis	2.232e+02
	original_gldm_LargeDependenceHighGrayLevelEmphasis	8.447e+02
	original_gldm_LargeDependenceLowGrayLevelEmphasis	3.519e+02
	original_gldm_LowGrayLevelEmphasis	5.728e+02
	original_gldm_SmallDependenceEmphasis	2.712e+02
	original_gldm_SmallDependenceHighGrayLevelEmphasis	2.726e+02
	original_gldm_SmallDependenceLowGrayLevelEmphasis	1.862e+03
	original_glrlm_GrayLevelNonUniformity	4.479e+02
	original_glrlm_GrayLevelNonUniformityNormalized	5.474e+02
	original_glrlm_GrayLevelVariance	2.589e+03
	original_glrlm_HighGrayLevelRunEmphasis	2.250e+02
	original_glrlm_LongRunEmphasis	3.614e+02
		3.871e+02
	original_glrlm_LongRunHighGrayLevelEmphasis	
	original_glrlm_LongRunLowGrayLevelEmphasis	4.949e+02
	original_glrlm_LowGrayLevelRunEmphasis	5.740e+02
	original_glrlm_RunEntropy	4.052e+02
	original_glrlm_RunLengthNonUniformity	3.192e+02
	original_glrlm_RunLengthNonUniformityNormalized	2.050e+02
	original_glrlm_RunPercentage	2.115e+02
	original_glrlm_RunVariance	3.998e+02
	original_glrlm_ShortRunEmphasis	2.048e+02
	original_glrlm_ShortRunHighGrayLevelEmphasis	1.913e+02
	original_glrlm_ShortRunLowGrayLevelEmphasis	7.597e+02
	original_glszm_GrayLevelNonUniformity	2.088e+02
	original_glszm_GrayLevelNonUniformityNormalized	3.954e+02
	original_glszm_GrayLevelVariance	1.031e+03
	original_glszm_HighGrayLevelZoneEmphasis	2.154e+02
	original_glszm_LargeAreaEmphasis	2.696e+02
	original_glszm_LargeAreaHighGrayLevelEmphasis	5.244e+02
	original_glszm_LargeAreaLowGrayLevelEmphasis	3.498e+02
	original_glszm_LowGrayLevelZoneEmphasis	5.610e+02
	original_glszm_SizeZoneNonUniformity	6.166e+02
	original_glszm_SizeZoneNonUniformityNormalized	3.924e+02
	original_glszm_SmallAreaEmphasis	3.957e+02
	original_glszm_SmallAreaHighGrayLevelEmphasis	2.936e+02
	original_glszm_SmallAreaLowGrayLevelEmphasis	4.301e+02
	original_glszm_ZoneEntropy	2.412e+02
	original_glszm_ZonePercentage	2.729e+02
	original_glszm_ZoneVariance	2.702e+02
	original_ngtdm_Busyness	3.342e+02
	original_ngtdm_Coarseness	2.024e+03
	original_ngtdm_Complexity	1.664e+03
	original_ngtdm_Contrast	4.831e+03
	original_ngtdm_Strength	9.688e+02
	original_shape_Elongation	2.723e+02
	original_shape_Flatness	2.445e+02
	original_shape_LeastAxisLength	4.137e+02
	original_shape_MajorAxisLength	1.833e+02
	original_shape_Maximum2DDiameterColumn	2.771e+02
	original_shape_Maximum2DDiameterRow	5.276e+02
	original_shape_Maximum2DDiameterSlice	3.238e+02
	original_shape_Maximum3DDiameter	2.814e+02
	or TPTUAT_SHAPE_HAVTHIGHISDETAINECEL	2.0146702

o nilate a onanin	
original_shape_MeshVolume	5.224e+02
original_shape_MinorAxisLength	3.566e+02
original_shape_Sphericity	1.947e+02
original_shape_SurfaceArea	2.295e+02
original_shape_SurfaceVolumeRatio	2.129e+02
original_shape_VoxelVolume	5.274e+02
or Iginal_shape_voxelvolume	Z
original_firstorder_10Percentile	-5 <b>.1</b> 89
original firstorder 90Percentile	5.269
original_firstorder_Energy	0.337
original_firstorder_Entropy	-15.349
original_firstorder_InterquartileRange	3.559
original_firstorder_Kurtosis	0.202
original_firstorder_Maximum	0.054
original_firstorder_Mean	-9.283
original_firstorder_MeanAbsoluteDeviation	-8.292
original_firstorder_Median	2.483
original_firstorder_Minimum	1.691
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	-4.438
original_firstorder_RootMeanSquared	1.530
original_firstorder_Skewness	-0.715
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-2.717
original_firstorder_Variance	-7.108
original_glcm_Autocorrelation	26.044
original_glcm_ClusterProminence	1.240
original_glcm_ClusterShade	3.603
original_glcm_ClusterTendency	-4.572
original_glcm_Contrast	6.331
original_glcm_Correlation	1.420
original_glcm_DifferenceAverage	-2.211
original_glcm_DifferenceEntropy	-2.549
original_glcm_DifferenceVariance	-5.008
original_glcm_Id	6.737
original_glcm_Idm	-4.938
original_glcm_Idmn	0.560
original_glcm_Idn	-0.392
original_glcm_Imc1	1.732
original_glcm_Imc2	1.216
original_glcm_InverseVariance	-1.058
original_glcm_JointAverage	6.903
original_glcm_JointEnergy	0.040
original_glcm_JointEntropy	14.947
original_glcm_MCC	-0.154
original_glcm_MaximumProbability	0.071
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	-7.824
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	-2.033
original_gldm_DependenceNonUniformity	4.788
original_gldm_DependenceNonUniformityNormalized	-2.538
original_gldm_DependenceVariance	-3.250
original_gldm_GrayLevelNonUniformity	1.190
original_gldm_GrayLevelVariance	18.652
original_gldm_HighGrayLevelEmphasis	-35.188
	23.200

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original_gldm_LargeDependenceEmphasis	-5.275
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.012
original_gldm_LargeDependenceLowGrayLevelEmphasis	6.479
original_gldm_LowGrayLevelEmphasis	6.216
original_gldm_SmallDependenceEmphasis	6.692
original_gldm_SmallDependenceHighGrayLevelEmphasis	-8.937
original_gldm_SmallDependenceLowGrayLevelEmphasis	-0.679
original_glrlm_GrayLevelNonUniformity	-3.071
original_glrlm_GrayLevelNonUniformityNormalized	0.561
original_glrlm_GrayLevelVariance	1.470
original_glrlm_HighGrayLevelRunEmphasis	-35.726
original_glrlm_LongRunEmphasis	-5.065
original_glrlm_LongRunHighGrayLevelEmphasis	-0.932
original_glrlm_LongRunLowGrayLevelEmphasis	-1.099
original_glrlm_LowGrayLevelRunEmphasis	-31.992
original_glrlm_RunEntropy	9.190
original_glrlm_RunLengthNonUniformity	-1.748
original_glrlm_RunLengthNonUniformityNormalized	-16.882
original_glrlm_RunPercentage	3.331
original_glrlm_RunVariance	2.474
original_glrlm_ShortRunEmphasis	11.561
original_glrlm_ShortRunHighGrayLevelEmphasis	44.238
original_glrlm_ShortRunLowGrayLevelEmphasis	22.083
original_glszm_GrayLevelNonUniformity	-1.187
original_glszm_GrayLevelNonUniformityNormalized	-0.385
original_glszm_GrayLevelVariance	-2.183
original_glszm_HighGrayLevelZoneEmphasis	5.814
original_glszm_LargeAreaEmphasis	-0.027
original_glszm_LargeAreaHighGrayLevelEmphasis	-0.354
original_glszm_LargeAreaLowGrayLevelEmphasis	-0.286
original_glszm_LowGrayLevelZoneEmphasis	-0.002
original_glszm_SizeZoneNonUniformity	0.007
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.022
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.423
original_ngtdm_Busyness	-0.012
original_ngtdm_Coarseness	-0.001
original_ngtdm_Complexity	-0.017
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	-0.010
original_shape_Flatness	0.002
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.014
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	-0.029
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000

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	original_shape_SurfaceVolumeRatio	0.000
	original_shape_VoxelVolume	0.000
	or.iginar_snabe_voxervorume	
	aniginal finstandan 10Dansantila	p 2.11e-07
	original_firstorder_10Percentile	1.37e-07
	original_firstorder_90Percentile	
	original_firstorder_Energy	0.736029
	original_firstorder_Entropy	< 2e-16
	original_firstorder_InterquartileRange	0.000372
	original_firstorder_Kurtosis	0.839995
	original_firstorder_Maximum	0.956741
	original_firstorder_Mean	< 2e-16
	original_firstorder_MeanAbsoluteDeviation	< 2e-16
	original_firstorder_Median	0.013045
	original_firstorder_Minimum	0.090835
	original_firstorder_Range	1.000000
	original_firstorder_RobustMeanAbsoluteDeviation	9.08e-06
	original_firstorder_RootMeanSquared	0.125966
	original_firstorder_Skewness	0.474752
	original_firstorder_TotalEnergy	1.000000
	original_firstorder_Uniformity	0.006593
	original_firstorder_Variance	1.18e-12
	original_glcm_Autocorrelation	< 2e-16
	original_glcm_ClusterProminence	0.214814
	original_glcm_ClusterShade	0.000314
	original_glcm_ClusterTendency	4.83e-06
	original_glcm_Contrast	2.44e-10
	original_glcm_Correlation	0.155699
	original_glcm_DifferenceAverage	0.027051
	original_glcm_DifferenceEntropy	0.010793
	original_glcm_DifferenceVariance	5.50e-07
	original_glcm_Id	1.62e-11
	original_glcm_Idm	7.88e-07
	original_glcm_Idmn	0.575508
	original_glcm_Idn	0.694957
	original_glcm_Imc1	0.083304
	original_glcm_Imc2	0.224015
	original_glcm_InverseVariance	0.290270
	original_glcm_JointAverage	5.10e-12
	original_glcm_JointEnergy	0.967702
	original_glcm_JointEntropy	< 2e-16
	original_glcm_MCC	0.877841
	original_glcm_MaximumProbability	0.943570
	original_glcm_SumAverage	1.000000
	original_glcm_SumEntropy	5.14e-15
	original_glcm_SumSquares	1.000000
	original_gldm_DependenceEntropy	0.042065
	original_gldm_DependenceNonUniformity	1.69e-06
	original_gldm_DependenceNonUniformityNormalized	0.011161
	original_gldm_DependenceVariance	0.001153
	original_gldm_GrayLevelNonUniformity	0.234004
	original_gldm_GrayLevelVariance	< 2e-16
	original_gldm_HighGrayLevelEmphasis	< 2e-16
	original_gldm_LargeDependenceEmphasis	1.33e-07
	$original\_gldm\_LargeDependence High Gray Level Emphasis$	0.044251
	original_gldm_LargeDependenceLowGrayLevelEmphasis	9.24e-11
	original_gldm_LowGrayLevelEmphasis	5.10e-10
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U	4/2023, 11.30 Simulated examples	ioi tile suiviv
	original_gldm_SmallDependenceEmphasis	2.20e-11
	original_gldm_SmallDependenceHighGrayLevelEmphasis	< 2e-16
	original_gldm_SmallDependenceLowGrayLevelEmphasis	0.497386
	original_glrlm_GrayLevelNonUniformity	0.002136
	original_glrlm_GrayLevelNonUniformityNormalized	0.575021
	original_glrlm_GrayLevelVariance	0.141455
	original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
	original_glrlm_LongRunEmphasis	4.07e-07
	original_glrlm_LongRunHighGrayLevelEmphasis	0.351495
	original_glrlm_LongRunLowGrayLevelEmphasis	0.271821
	original_glrlm_LowGrayLevelRunEmphasis	< 2e-16
	original_glrlm_RunEntropy	< 2e-16
	original_glrlm_RunLengthNonUniformity	0.080464
	original_glrlm_RunLengthNonUniformityNormalized	< 2e-16
	original_glrlm_RunPercentage	0.000866
	original_glrlm_RunVariance	0.013369
	original_glrlm_ShortRunEmphasis	< 2e-16
	original_glrlm_ShortRunHighGrayLevelEmphasis	< 2e-16
	original_glrlm_ShortRunLowGrayLevelEmphasis	< 2e-16
	original_glszm_GrayLevelNonUniformity	0.235155
	original_glszm_GrayLevelNonUniformityNormalized	0.700206
	original_glszm_GrayLevelVariance	0.029037
	original_glszm_HighGrayLevelZoneEmphasis	6.09e-09
	original_glszm_LargeAreaEmphasis	0.978155
	original_glszm_LargeAreaHighGrayLevelEmphasis	0.722990
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.775159
	original_glszm_LowGrayLevelZoneEmphasis	0.998118
	original_glszm_SizeZoneNonUniformity	0.994630
	original_glszm_SizeZoneNonUniformityNormalized	1.000000
	original_glszm_SmallAreaEmphasis	0.982796
	original_glszm_SmallAreaHighGrayLevelEmphasis	1.000000
	original_glszm_SmallAreaLowGrayLevelEmphasis	1.000000
	original_glszm_ZoneEntropy	1.000000
	original_glszm_ZonePercentage	1.000000
	original_glszm_ZoneVariance	0.672461
	original_ngtdm_Busyness	0.990771
	original_ngtdm_Coarseness	0.998936
	original_ngtdm_Complexity	0.986549
	original_ngtdm_Contrast	1.000000
	original_ngtdm_Strength	1.000000
	original_shape_Elongation	0.992173
	original_shape_Flatness	0.998657
	original_shape_LeastAxisLength	1.000000
	original_shape_MajorAxisLength	1.000000
	original_shape_Maximum2DDiameterColumn	0.989010
	original_shape_Maximum2DDiameterRow	1.000000
	original_shape_Maximum2DDiameterSlice	1.000000
	original_shape_Maximum3DDiameter	0.977074
	original_shape_MeshVolume	1.000000
	original_shape_MinorAxisLength	1.000000
	original_shape_Sphericity	1.000000
	original_shape_SurfaceArea	1.000000
	original_shape_SurfaceVolumeRatio	1.000000
	original_shape_VoxelVolume	1.000000

Likelihood ratio test=59.55 on 107 df, p=0.9999

```
n= 75, number of events= 7
$model_list[[1]]$clusters
[1] 0.283815 2.381963 0.712854
$model_list[[2]]
$model_list[[2]]$vimp10
                      original_ngtdm_Complexity
                                    0.015103933
          original_glrlm_LowGrayLevelRunEmphasis
                                    0.007439809
              original_gldm_LowGrayLevelEmphasis
                                    0.007028563
                original_glszm_GrayLevelVariance
                                    0.006766861
                original_shape_Maximum3DDiameter
                                    0.006766861
                  original_shape_MajorAxisLength
                                    0.006654703
                             original_glcm_Idmn
                                    0.004448931
                    original_firstorder_Variance
                                    0.004336773
            original_gldm_GrayLevelNonUniformity
                                    0.004187229
          original_shape_Maximum2DDiameterColumn
                                    0.004075071
                      original_glszm_ZoneEntropy
                                    0.003215194
        original_glszm_HighGrayLevelZoneEmphasis
                                    0.003028264
                         original_ngtdm_Contrast
                                    0.002467474
                original_gldm_DependenceVariance
                                    0.002392702
original\_gldm\_SmallDependenceLowGrayLevelEmphasis
                                    0.002392702
$model_list[[2]]$treemodel
n= 361
node), split, n, deviance, yval
     * denotes terminal node
1) root 361 247.558100 1.00000000
  2) original_shape_Maximum3DDiameter< -0.00473189 233 74.220490 0.39271690
    4) original_ngtdm_Complexity>=-0.3623652 180 43.291660 0.27462900
      8) original shape Maximum3DDiameter< -0.3905136 122 10.210930 0.13178080
       17) original_glszm_GrayLevelVariance< -0.4926825 25 6.759505 0.50805200 *
      9) original_shape_Maximum3DDiameter>=-0.3905136 58 28.616700 0.65181000 *
    5) original_ngtdm_Complexity< -0.3623652 53 27.490370 0.83771540 *
  3) original_shape_Maximum3DDiameter>=-0.00473189 128 143.075100 2.21586800
    6) original_glszm_GrayLevelVariance< 0.04597914 61 37.867200 0.88710020 *
```

```
7) original_glszm_GrayLevelVariance>=0.04597914 67 91.571170 3.52156100 *
$model list[[2]]$coxmodels
$model list[[2]]$coxmodels[[1]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                      7.649e + 03
original_firstorder_90Percentile
                                                      3.294e+03
original_firstorder_Energy
                                                     -7.301e+02
original_firstorder_Entropy
                                                     -6.672e+03
original_firstorder_InterquartileRange
                                                     -1.591e+04
original_firstorder_Kurtosis
                                                     -9.280e+01
original firstorder Maximum
                                                      3.227e+02
original firstorder Mean
                                                     -3.514e+03
original_firstorder_MeanAbsoluteDeviation
                                                     -9.955e+03
original_firstorder_Median
                                                     -2.989e+03
original firstorder Minimum
                                                     -7.461e+02
original firstorder Range
                                                      0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation
                                                      2.169e+04
original_firstorder_RootMeanSquared
                                                      3.167e+03
original firstorder Skewness
                                                      2.270e+01
original_firstorder_TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                     -3.215e+03
original_firstorder_Variance
                                                      6.309e+04
original_glcm_Autocorrelation
                                                     -6.437e+04
original_glcm_ClusterProminence
                                                     -2.164e+04
original_glcm_ClusterShade
                                                      5.771e+02
                                                     -2.919e+02
original_glcm_ClusterTendency
                                                      2.613e+05
original_glcm_Contrast
original_glcm_Correlation
                                                      2.304e+02
original_glcm_DifferenceAverage
                                                     -7.267e+04
original_glcm_DifferenceEntropy
                                                      4.729e+03
original_glcm_DifferenceVariance
                                                     -1.331e+05
original_glcm_Id
                                                     -3.802e+05
original glcm Idm
                                                      3.170e+05
original_glcm_Idmn
                                                      5.629e+03
original_glcm_Idn
                                                     -5.610e+03
original_glcm_Imc1
                                                     -7.525e+02
original glcm Imc2
                                                      1.135e+03
original_glcm_InverseVariance
                                                     -3.574e+04
original_glcm_JointAverage
                                                     -6.150e+03
original glcm JointEnergy
                                                      4.546e+03
                                                     -1.356e+04
original glcm JointEntropy
original glcm MCC
                                                     -7.401e+01
original_glcm_MaximumProbability
                                                     -1.989e+02
original glcm SumAverage
                                                      0.000e+00
original glcm SumEntropy
                                                     -2.462e+03
original glcm SumSquares
                                                      0.000e+00
original_gldm_DependenceEntropy
                                                      7.896e+03
original gldm DependenceNonUniformity
                                                     -2.280e+03
original_gldm_DependenceNonUniformityNormalized
                                                      3.071e+03
original_gldm_DependenceVariance
                                                     -4.483e+03
```

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original_gldm_GrayLevelNonUniformity	-2.119e+03
original_gldm_GrayLevelVariance	-4.021e+04
original_gldm_HighGrayLevelEmphasis	1.051e+05
original_gldm_LargeDependenceEmphasis	5.963e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	-2.187e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	9.635e+03
original_gldm_LowGrayLevelEmphasis	2.424e+04
original_gldm_SmallDependenceEmphasis	3.782e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	-1.681e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.806e+03
original_glrlm_GrayLevelNonUniformity	4.180e+03
original_glrlm_GrayLevelNonUniformityNormalized	-6.404e+03
original_glrlm_GrayLevelVariance	-1.245e+04
original_glrlm_HighGrayLevelRunEmphasis	-3.824e+04
original_glrlm_LongRunEmphasis	-2.022e+04
original_glrlm_LongRunHighGrayLevelEmphasis	5.482e+03
original_glrlm_LongRunLowGrayLevelEmphasis	1.769e+04
original_glrlm_LowGrayLevelRunEmphasis	-3.949e+04
original_glrlm_RunEntropy	3.210e+03
original_glrlm_RunLengthNonUniformity	5.874e+02
original_glrlm_RunLengthNonUniformityNormalized	5.932e+03
original_glrlm_RunPercentage	-1.992e+03
original_glrlm_RunVariance	7.309e+03
original_glrlm_ShortRunEmphasis	-2.015e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	2.032e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	-1.903e+02
original_glszm_GrayLevelNonUniformityNormalized	1.023e+01
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	4.525e+02
original_glszm_LargeAreaEmphasis	8.102e+01
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original glszm SmallAreaHighGrayLevelEmphasis	5.564e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	3.382e+01
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	-1.596e+01
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	4.497e+01
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	-2.130e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	-2.219e+01
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	1.787e+01
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00

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original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	Inf
original_firstorder_90Percentile	Inf
original_firstorder_Energy	8.380e-318
original_firstorder_Entropy	0.000e+00
original_firstorder_InterquartileRange	0.000e+00
original_firstorder_Kurtosis	4.965e-41
original_firstorder_Maximum	1.358e+140
original_firstorder_Mean	0.000e+00
original_firstorder_MeanAbsoluteDeviation	0.000e+00
original_firstorder_Median	0.000e+00
original_firstorder_Minimum	0.000e+00
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	Inf
original_firstorder_Skewness	7.210e+09
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	0.000e+00
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	4.126e+250
original_glcm_ClusterTendency	1.696e-127
original_glcm_Contrast	Inf
original_glcm_Correlation	1.170e+100
original glcm DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	Inf
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	Inf
original_glcm_Idn	0.000e+00
original_glcm_Imc1	0.000e+00
original_glcm_Imc2	Inf
original_glcm_InverseVariance	0.000e+00
original_glcm_JointAverage	0.000e+00
original_glcm_JointEnergy	Inf
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	7.198e-33
original_glcm_MaximumProbability	4.304e-87
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	Inf
original_gldm_DependenceNonUniformity	0.000e+00
original_gldm_DependenceNonUniformityNormalized	Inf
original_gldm_DependenceVariance	0.000e+00
original_gldm_GrayLevelNonUniformity	0.000e+00
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceEmphasis	Inf
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i	original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
	original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
	original_gldm_LowGrayLevelEmphasis	Inf
	original_gldm_SmallDependenceEmphasis	Inf
	<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	0.000e+00
	original_gldm_SmallDependenceLowGrayLevelEmphasis	Inf
	original_glrlm_GrayLevelNonUniformity	Inf
	original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
	original_glrlm_GrayLevelVariance	0.000e+00
	original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
	original_glrlm_LongRunEmphasis	0.000e+00
	original_glrlm_LongRunHighGrayLevelEmphasis	Inf
	original_glrlm_LongRunLowGrayLevelEmphasis	Inf
	original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
	original glrlm RunEntropy	Inf
	original_glrlm_RunLengthNonUniformity	1.214e+255
	original_glrlm_RunLengthNonUniformityNormalized	Inf
		=
	original_glrlm_RunPercentage	0.000e+00
	original_glrlm_RunVariance	Inf
	original_glrlm_ShortRunEmphasis	0.000e+00
	original_glrlm_ShortRunHighGrayLevelEmphasis	1.692e+88
	original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
	original_glszm_GrayLevelNonUniformity	2.336e-83
	original_glszm_GrayLevelNonUniformityNormalized	2.786e+04
	original_glszm_GrayLevelVariance	1.000e+00
	original_glszm_HighGrayLevelZoneEmphasis	3.379e+196
	original_glszm_LargeAreaEmphasis	1.542e+35
	original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
	original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
	original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
	original_glszm_SizeZoneNonUniformity	1.000e+00
	original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
	original_glszm_SmallAreaEmphasis	1.000e+00
	original_glszm_SmallAreaHighGrayLevelEmphasis	1.458e+24
	original_glszm_SmallAreaLowGrayLevelEmphasis	4.886e+14
	original_glszm_ZoneEntropy	1.000e+00
	original_glszm_ZonePercentage	1.000e+00
	original_glszm_ZoneVariance	1.000e+00
	original_ngtdm_Busyness	1.172e-07
	original_ngtdm_Coarseness	1.000e+00
	original_ngtdm_Complexity	3.386e+19
	original_ngtdm_Contrast	1.000e+00
		1.000e+00
	original_ngtdm_Strength	1.188e-01
	original_shape_Elongation	
	original_shape_Flatness	1.000e+00
	original_shape_LeastAxisLength	1.000e+00
	original_shape_MajorAxisLength	1.000e+00
	original_shape_Maximum2DDiameterColumn	2.298e-10
	original_shape_Maximum2DDiameterRow	1.000e+00
	original_shape_Maximum2DDiameterSlice	5.784e+07
	original_shape_Maximum3DDiameter	1.000e+00
	original_shape_MeshVolume	1.000e+00
	original_shape_MinorAxisLength	1.000e+00
	original_shape_Sphericity	1.000e+00
	original_shape_SurfaceArea	1.000e+00
	original_shape_SurfaceVolumeRatio	1.000e+00
1		

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original_shape_VoxelVolume	1.000e+00
	se(coef)
original_firstorder_10Percentile	9.346e+00
original_firstorder_90Percentile	1.862e+00
original_firstorder_Energy	8.841e-01
original_firstorder_Entropy	2.343e+00
original_firstorder_InterquartileRange	1.148e+01
original_firstorder_Kurtosis	9.390e-01
original_firstorder_Maximum	1.943e+00
original_firstorder_Mean	2.625e+00
original_firstorder_MeanAbsoluteDeviation	4.603e+00
original_firstorder_Median	1.498e+00
original_firstorder_Minimum	1.782e+00
original_firstorder_Range	1.562e+00
original_firstorder_RobustMeanAbsoluteDeviation	1.066e+01
original_firstorder_RootMeanSquared	2.636e+00
original_firstorder_Skewness	2.635e+00
original_firstorder_TotalEnergy	8.841e-01
original_firstorder_Uniformity	3.845e+00
original_firstorder_Variance	1.581e+01
original_glcm_Autocorrelation	1.252e+00
original_glcm_ClusterProminence	1.849e+03
original_glcm_ClusterShade	1.559e+02
original_glcm_ClusterTendency	2.569e+01
original_glcm_Contrast	2.024e+01
original_glcm_Correlation	1.209e+01
original_glcm_DifferenceAverage	2.258e+00
original_glcm_DifferenceEntropy	1.499e+00
original_glcm_DifferenceVariance	2.527e+01
original_glcm_Id	1.581e+00
original_glcm_Idm	1.522e+00
original_glcm_Idmn	5.930e+00
original_glcm_Idn	2.282e+00
original_glcm_Imc1	2.967e+00
original_glcm_Imc2	7.617e+00
original_glcm_InverseVariance	6.080e+00
original_glcm_JointAverage	1.774e+00
original_glcm_JointEnergy	4.754e+00
original_glcm_JointEntropy	2.087e+00
original_glcm_MCC	1.700e+01
original_glcm_MaximumProbability	7.437e+00
original_glcm_SumAverage	1.774e+00
original_glcm_SumEntropy	2.875e+00
original_glcm_SumSquares	2.405e+01
original_gldm_DependenceEntropy	1.803e+01
original_gldm_DependenceNonUniformity	5.558e-01
original_gldm_DependenceNonUniformityNormalized	1.226e+01
original_gldm_DependenceVariance	4.543e+00
original_gldm_GrayLevelNonUniformity	3.815e-01
original_gldm_GrayLevelVariance	1.582e+01
original_gldm_HighGrayLevelEmphasis	1.240e+00
original_gldm_LargeDependenceEmphasis	1.597e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	7.610e-01
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.922e+02
original_gldm_LowGrayLevelEmphasis	2.625e+01
original_gldm_SmallDependenceEmphasis	1.797e+00

original_gldm_SmallDependenceHighGrayLevelEmphasis	6.301e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	9.068e+00
original_glrlm_GrayLevelNonUniformity	4.021e-01
original_glrlm_GrayLevelNonUniformityNormalized	3.260e+00
	1.525e+01
original_glrlm_GrayLevelVariance	
original_glrlm_HighGrayLevelRunEmphasis	1.211e+00
original_glrlm_LongRunEmphasis	2.150e+00
original_glrlm_LongRunHighGrayLevelEmphasis	9.077e-01
original_glrlm_LongRunLowGrayLevelEmphasis	2.805e+02
original_glrlm_LowGrayLevelRunEmphasis	2.361e+01
original_glrlm_RunEntropy	8.393e+00
original_glrlm_RunLengthNonUniformity	6.211e-01
original_glrlm_RunLengthNonUniformityNormalized	1.935e+00
original_glrlm_RunPercentage	1.586e+00
original_glrlm_RunVariance	2.885e+00
original_glrlm_ShortRunEmphasis	1.426e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.997e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.928e+01
original_glszm_GrayLevelNonUniformity	8.822e-01
original_glszm_GrayLevelNonUniformityNormalized	2.334e+01
original_glszm_GrayLevelVariance	4.030e+00
original_glszm_HighGrayLevelZoneEmphasis	1.106e+00
original_glszm_LargeAreaEmphasis	3.722e-01
original_glszm_LargeAreaHighGrayLevelEmphasis	2.444e-01
original_glszm_LargeAreaLowGrayLevelEmphasis	4.725e+00
original_glszm_LowGrayLevelZoneEmphasis	1.324e+01
original_glszm_SizeZoneNonUniformity	9.358e-01
original_glszm_SizeZoneNonUniformityNormalized	7.432e+01
original_glszm_SmallAreaEmphasis	8.549e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	1.106e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	9.518e+00
original_glszm_ZoneEntropy	6.083e+00
original_glszm_ZonePercentage	1.990e+00
original_glszm_ZoneVariance	3.716e-01
original_ngtdm_Busyness	2.934e+00
original_ngtdm_Coarseness	8.680e+00
original_ngtdm_Complexity	5.736e+00
original_ngtdm_Contrast	1.843e+01
original_ngtdm_Strength	7.364e+00
original_shape_Elongation	5.424e+00
original_shape_Flatness	1.801e+00
original_shape_LeastAxisLength	6.632e-01
original_shape_MajorAxisLength	1.179e+00
original_shape_Maximum2DDiameterColumn	1.738e+00
original_shape_Maximum2DDiameterRow	8.551e-01
original_shape_Maximum2DDiameterSlice	1.026e+00
original_shape_Maximum3DDiameter	1.222e+00
original_shape_MeshVolume	3.197e-01
original_shape_MinorAxisLength	1.151e+00
original_shape_Sphericity	2.431e+00
original_shape_SurfaceArea	1.939e+00
original_shape_SurfaceVolumeRatio	3.815e+00
original_shape_VoxelVolume	3.208e-01
	z
original_firstorder_10Percentile	8.184e+02
original_firstorder_90Percentile	1.769e+03

ĺ	original_firstorder_Energy	-8.258e+02
	original_firstorder_Entropy	-2.848e+03
	original_firstorder_InterquartileRange	-1.387e+03
	original_firstorder_Kurtosis	-9.883e+01
	original_firstorder_Maximum	1.661e+02
	original_firstorder_Mean	-1.339e+03
	original_firstorder_MeanAbsoluteDeviation	-2.162e+03
	original_firstorder_Median	-1.996e+03
	original_firstorder_Minimum	-4.187e+02
	original_firstorder_Range	0.000e+00
	original_firstorder_RobustMeanAbsoluteDeviation	2.036e+03
	original_firstorder_RootMeanSquared	1.201e+03
	original_firstorder_Skewness	8.615e+00
	original_firstorder_TotalEnergy	0.000e+00
	original_firstorder_Uniformity	-8.363e+02
	original_firstorder_Variance	3.991e+03
	original_glcm_Autocorrelation	-5.140e+04
	original_glcm_ClusterProminence	-1.170e+01
	original_glcm_ClusterShade	3.702e+00
	original_glcm_ClusterTendency	-1.136e+01
	original_glcm_Contrast	1.291e+04
	original_glcm_Correlation	1.906e+01
	original_glcm_DifferenceAverage	-3.219e+04
	original_glcm_DifferenceEntropy	3.156e+03
	original_glcm_DifferenceVariance	-5.266e+03
	original_glcm_Id	-2.405e+05
	original_glcm_Idm	2.083e+05
	original_glcm_Idmn	9.493e+02
	original_glcm_Idn	-2.458e+03
	original_glcm_Imc1	-2.536e+02
	original_glcm_Imc2	1.490e+02
	original_glcm_InverseVariance	-5.879e+03
	original_glcm_JointAverage	-3.467e+03
	original_glcm_JointEnergy	9.562e+02
	original_glcm_JointEntropy	-6.499e+03
	original_glcm_MCC	-4.354e+00
	original_glcm_MaximumProbability	-2.674e+01
	original_glcm_SumAverage	0.000e+00
	original_glcm_SumEntropy	-8.561e+02
	original_glcm_SumSquares	0.000e+00
	original_gldm_DependenceEntropy	4.378e+02
	original_gldm_DependenceNonUniformity	-4.103e+03
	original_gldm_DependenceNonUniformityNormalized	2.505e+02
	original_gldm_DependenceVariance	-9.867e+02
	original_gldm_GrayLevelNonUniformity	-5.556e+03
	original_gldm_GrayLevelVariance	-2.543e+03
	original_gldm_HighGrayLevelEmphasis	8.479e+04
	original_gldm_LargeDependenceEmphasis	3.735e+03
	$original\_gldm\_LargeDependence High Gray Level Emphasis$	-2.874e+03
	original_gldm_LargeDependenceLowGrayLevelEmphasis	5.012e+01
	original_gldm_LowGrayLevelEmphasis	9.235e+02
	original_gldm_SmallDependenceEmphasis	2.104e+03
	$original\_gldm\_SmallDependence High Gray Level Emphas is$	-2.669e+02
	original_gldm_SmallDependenceLowGrayLevelEmphasis	3.094e+02
	original_glrlm_GrayLevelNonUniformity	1.040e+04
	original_glrlm_GrayLevelNonUniformityNormalized	-1.964e+03
1		

original_glrlm_GrayLevelVariance	-8.165e+02
original_glrlm_HighGrayLevelRunEmphasis	-3.159e+04
original_glrlm_LongRunEmphasis	-9.405e+03
original_glrlm_LongRunHighGrayLevelEmphasis	6.040e+03
original_glrlm_LongRunLowGrayLevelEmphasis	6.306e+01
original_glrlm_LowGrayLevelRunEmphasis	-1.673e+03
original_glrlm_RunEntropy	3.825e+02
original_glrlm_RunLengthNonUniformity	9.457e+02
original glrlm RunLengthNonUniformityNormalized	3.065e+03
original_glrlm_RunPercentage	-1.256e+03
original_glrlm_RunVariance	2.533e+03
original_glrlm_ShortRunEmphasis	-1.413e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	1.017e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	-2.157e+02
original_glszm_GrayLevelNonUniformityNormalized	4.390e-01
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	4.093e+02
original_glszm_LargeAreaEmphasis	2.177e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000c+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	5.030e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	3.554e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
	0.000e+00
<pre>original_glszm_ZoneVariance original_ngtdm_Busyness</pre>	-5.440e+00
	0.000e+00
original_ngtdm_Coarseness	
original_ngtdm_Complexity	7.840e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	-3.930e-01
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	-1.277e+01
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	1.742e+01
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00 p
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	< 2e-16
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	< 2e-16
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original_firstorder_Maximum	< 2e-16
original_firstorder_Mean	< 2e-16
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.000000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	< 2e-16
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	< 2e-16
original_glcm_ClusterShade	0.000214
original_glcm_ClusterTendency	< 2e-16
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	< 2e-16
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	< 2e-16
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16
	< 2e-16
original_glcm_Idm	
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	< 2e-16
original_glcm_Imc2	< 2e-16
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	1.33e-05
original_glcm_MaximumProbability	< 2e-16
original_glcm_SumAverage	1.000000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	1.000000
original_gldm_DependenceEntropy	< 2e-16
original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	< 2e-16
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
original_gldm_LowGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceEmphasis	< 2e-16
original_gldm_SmallDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceLowGrayLevelEmphasis	< 2e-16
original_glrlm_GrayLevelNonUniformity	< 2e-16
original_glrlm_GrayLevelNonUniformityNormalized	< 2e-16
original_glrlm_GrayLevelVariance	< 2e-16
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	< 2e-16
original_glrlm_LongRunHighGrayLevelEmphasis	< 2e-16

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```
original glrlm LongRunLowGrayLevelEmphasis
                                                     < 2e-16
original glrlm LowGrayLevelRunEmphasis
                                                     < 2e-16
original glrlm RunEntropy
                                                     < 2e-16
original glrlm RunLengthNonUniformity
                                                     < 2e-16
original_glrlm_RunLengthNonUniformityNormalized
                                                     < 2e-16
original glrlm RunPercentage
                                                     < 2e-16
original_glrlm_RunVariance
                                                     < 2e-16
original_glrlm_ShortRunEmphasis
                                                     < 2e-16
original_glrlm_ShortRunHighGrayLevelEmphasis
                                                     < 2e-16
original_glrlm_ShortRunLowGrayLevelEmphasis
                                                    1,000000
original glszm GrayLevelNonUniformity
                                                     < 2e-16
original_glszm_GrayLevelNonUniformityNormalized
                                                    0.660947
original_glszm_GrayLevelVariance
                                                    1.000000
original glszm HighGrayLevelZoneEmphasis
                                                     < 2e-16
original glszm LargeAreaEmphasis
                                                     < 2e-16
original_glszm_LargeAreaHighGrayLevelEmphasis
                                                    1.000000
original glszm LargeAreaLowGrayLevelEmphasis
                                                    1.000000
original glszm LowGrayLevelZoneEmphasis
                                                    1.000000
original glszm SizeZoneNonUniformity
                                                    1.000000
original glszm SizeZoneNonUniformityNormalized
                                                    1.000000
original glszm SmallAreaEmphasis
                                                    1.000000
original glszm SmallAreaHighGrayLevelEmphasis
                                                     < 2e-16
original_glszm_SmallAreaLowGrayLevelEmphasis
                                                    0.000380
original_glszm_ZoneEntropy
                                                    1.000000
original glszm ZonePercentage
                                                    1.000000
original_glszm_ZoneVariance
                                                    1.000000
original_ngtdm_Busyness
                                                    5.34e-08
original ngtdm Coarseness
                                                    1,000000
original ngtdm Complexity
                                                    4.50e-15
original_ngtdm_Contrast
                                                    1.000000
original_ngtdm_Strength
                                                    1.000000
original_shape_Elongation
                                                    0.694491
                                                    1,000000
original_shape_Flatness
original_shape_LeastAxisLength
                                                    1.000000
original_shape_MajorAxisLength
                                                    1.000000
original shape Maximum2DDiameterColumn
                                                     < 2e-16
original shape Maximum2DDiameterRow
                                                    1,000000
original shape Maximum2DDiameterSlice
                                                     < 2e-16
original shape Maximum3DDiameter
                                                    1.000000
original shape MeshVolume
                                                    1.000000
original shape MinorAxisLength
                                                    1.000000
original_shape_Sphericity
                                                    1.000000
original shape SurfaceArea
                                                    1,000000
original shape SurfaceVolumeRatio
                                                    1.000000
original shape VoxelVolume
                                                    1.000000
Likelihood ratio test=189.3 on 107 df, p=1.641e-06
n= 67, number of events= 24
$model list[[2]]$coxmodels[[2]]
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
```

coef

original_firstorder_10Percentile	1.548e+05
original_firstorder_90Percentile	-2.363e+04
original_firstorder_Energy	-3.435e+03
original_firstorder_Entropy	3.264e+03
original_firstorder_InterquartileRange	-2.091e+05
original_firstorder_Kurtosis	6.383e+02
original_firstorder_Maximum	1.156e+04
original_firstorder_Mean	-3.161e+04
original_firstorder_MeanAbsoluteDeviation	2.521e+05
<del>-</del>	5.884e+04
original_firstorder_Median	
original_firstorder_Minimum	-9.395e+04
original_firstorder_Range	4.755e+02
original_firstorder_RobustMeanAbsoluteDeviation	2.678e+05
original_firstorder_RootMeanSquared	-1.167e+05
original_firstorder_Skewness	2.647e+02
original_firstorder_TotalEnergy	0.000e+00
original_firstorder_Uniformity	1.545e+04
original_firstorder_Variance	-2.903e+06
original_glcm_Autocorrelation	-8.751e+04
original_glcm_ClusterProminence	1.755e+08
original_glcm_ClusterShade	2.073e+07
original_glcm_ClusterTendency	1.843e+05
original_glcm_Contrast	-7.363e+06
original_glcm_Correlation	1.592e+03
original_glcm_DifferenceAverage	-2.320e+05
original_glcm_DifferenceEntropy	-2.324e+04
	1.014e+07
original_glcm_DifferenceVariance	
original_glcm_Id	2.908e+04
original_glcm_Idm	-1.901e+05
original_glcm_Idmn	2.723e+04
original_glcm_Idn	-3.551e+04
original_glcm_Imc1	1.028e+04
original_glcm_Imc2	1.484e+04
original_glcm_InverseVariance	-2.572e+04
original_glcm_JointAverage	-6.497e+04
original_glcm_JointEnergy	-1.821e+04
original_glcm_JointEntropy	-2.572e+03
original_glcm_MCC	-4.662e+00
original_glcm_MaximumProbability	3.109e+03
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	-6.783e+04
original_glcm_SumSquares	1.432e+06
original_gldm_DependenceEntropy	2.242e+04
original_gldm_DependenceNonUniformity	-6.713e+04
original_gldm_DependenceNonUniformityNormalized	3.365e+04
original_gldm_DependenceVariance	-7.726e+02
original_gldm_GrayLevelNonUniformity	2.868e+04
original_gldm_GrayLevelVariance	1.560e+06
original_gldm_HighGrayLevelEmphasis	1.480e+04
original_gldm_LargeDependenceEmphasis	6.276e+03
$original\_gldm\_LargeDependence High Gray Level Emphasis$	-2.956e+04
original_gldm_LargeDependenceLowGrayLevelEmphasis	-1.019e+03
original_gldm_LowGrayLevelEmphasis	3.042e+03
original_gldm_SmallDependenceEmphasis	3.876e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	-6.291e+04
original_gldm_SmallDependenceLowGrayLevelEmphasis	-1.337e+02
obar_bram_smarreependencelowdr dyleverempilasis	1.33,0102

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original_glrlm_GrayLevelNonUniformity	5.110e+03
original_glrlm_GrayLevelNonUniformityNormalized	-4.414e+03
original_glrlm_GrayLevelVariance	-9.652e+02
original_glrlm_HighGrayLevelRunEmphasis	1.076e+05
original_glrlm_LongRunEmphasis	-1.150e+01
original_glrlm_LongRunHighGrayLevelEmphasis	-2.749e+01
original_glrlm_LongRunLowGrayLevelEmphasis	-6.866e-01
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00 7.711e+02
original_glrlm_RunPercentage	
original_glrlm_RunVariance	1.694e-01
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	2.789e+01
original_glszm_LowGrayLevelZoneEmphasis	9.346e+02
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	7.141e-01
original_glszm_ZonePercentage	-1.347e+03
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	-3.865e+02
original_ngtdm_Contrast	9.085e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	-6.557e-01
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	-9.138e-01
original_shape_Maximum2DDiameterColumn	1.835e+02
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	1.985e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	Inf
original_firstorder_90Percentile	0.000e+00
original_firstorder_Energy	0.000e+00
original_firstorder_Entropy	Inf

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original_firstorder_InterquartileRange	0.000e+00
original_firstorder_Kurtosis	1.603e+277
original_firstorder_Maximum	Inf
original_firstorder_Mean	0.000e+00
original_firstorder_MeanAbsoluteDeviation	Inf
original_firstorder_Median	Inf
original_firstorder_Minimum	0.000e+00
original_firstorder_Range	3.069e+206
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	0.000e+00
original_firstorder_Skewness	9.443e+114
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	Inf
original_firstorder_Variance	0.000e+00
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	Inf
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	Inf
original_glcm_DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	0.000e+00
original_glcm_DifferenceVariance	Inf
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	Inf
original_glcm_Idn	0.000e+00
original_glcm_Imc1	Inf
original_glcm_Imc2	Inf
original_glcm_InverseVariance	0.000e+00
original_glcm_JointAverage	0.000e+00
original_glcm_JointEnergy	0.000e+00
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	9.451e-03
original_glcm_MaximumProbability	Inf
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	Inf
original_gldm_DependenceEntropy	Inf
original_gldm_DependenceNonUniformity	0.000e+00
original_gldm_DependenceNonUniformityNormalized	Inf
original_gldm_DependenceVariance	0.000e+00
original_gldm_GrayLevelNonUniformity	Inf
original_gldm_GrayLevelVariance	Inf
original_gldm_HighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceEmphasis	Inf
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00
original_gldm_LowGrayLevelEmphasis	Inf
original_gldm_SmallDependenceEmphasis	Inf
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	9.005e-59
original_glrlm_GrayLevelNonUniformity	Inf
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	Inf

original_glrlm_LongRunEmphasis	1.014e-05
original_glrlm_LongRunHighGrayLevelEmphasis	1.148e-12
original_glrlm_LongRunLowGrayLevelEmphasis	5.033e-01
original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	Inf
original_glrlm_RunVariance	1.185e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.000e+00
original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.293e+12
original_glszm_LowGrayLevelZoneEmphasis	Inf
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	2.042e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00
original_ngtdm_Complexity	1.411e-168
original_ngtdm_Contrast	8.821e+03
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	5.191e-01
original_shape_Flatness	1.000e+00
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	4.010e-01
original_shape_Maximum2DDiameterColumn	5.046e+79
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	7.282e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
	se(coef)
original_firstorder_10Percentile	9.637e+03
original_firstorder_90Percentile	4.451e+03
original_firstorder_Energy	9.516e+03
original_firstorder_Entropy	3.861e+03
original_firstorder_InterquartileRange	1.284e+04
original_firstorder_Kurtosis	4.655e+02
original_firstorder_Maximum	3.235e+04
original_firstorder_Mean	4.461e+03

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original_firstorder_MeanAbsoluteDeviation	1.119e+04
original_firstorder_Median	3.470e+03
original_firstorder_Minimum	1.589e+03
original_firstorder_Range	3.528e+03
original_firstorder_RobustMeanAbsoluteDeviation	1.254e+04
original_firstorder_RootMeanSquared	6.305e+03
original_firstorder_Skewness	1.024e+03
original_firstorder_TotalEnergy	9.516e+03
original_firstorder_Uniformity	2.390e+03
original_firstorder_Variance	6.881e+04
original_glcm_Autocorrelation	1.911e+03
original_glcm_Autoconvelation original_glcm_ClusterProminence	1.673e+07
original_glcm_ClusterFhade	6.998e+05
original_glcm_ClusterTendency	7.533e+04
	5.115e+04
original_glcm_Contrast	5.115e+04 5.803e+03
original_glcm_Correlation	
original_glcm_DifferenceAverage	5.195e+03
original_glcm_DifferenceEntropy	2.975e+03
original_glcm_DifferenceVariance	6.189e+04
original_glcm_Id	2.995e+03
original_glcm_Idm	3.051e+03
original_glcm_Idmn	1.141e+03
original_glcm_Idn	1.150e+03
original_glcm_Imc1	3.752e+03
original_glcm_Imc2	2.841e+03
original_glcm_InverseVariance	1.836e+03
original_glcm_JointAverage	1.480e+03
original_glcm_JointEnergy	2.210e+03
original_glcm_JointEntropy	3.365e+03 1.385e+03
original_glcm_MCC	
<pre>original_glcm_MaximumProbability original_glcm_SumAverage</pre>	1.736e+03 1.480e+03
original_glcm_SumEntropy	3.562e+03
original_glcm_SumSquares	6.778e+04 1.424e+03
original_gldm_DependenceEntropy	
original_gldm_DependenceNonUniformity	6.689e+03
original_gldm_DependenceNonUniformityNormalized	1.524e+03
<pre>original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity</pre>	1.504e+03 2.558e+03
original_gldm_GrayLevelVariance	
,	6.639e+04 1.907e+03
original_gldm_HighGrayLevelEmphasis	1.442e+03
original_gldm_LargeDependenceEmphasis	
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.712e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	9.717e+02
original_gldm_LowGrayLevelEmphasis	1.175e+03
original_gldm_SmallDependenceEmphasis	1.329e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	5.820e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	9.472e+02
<pre>original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized</pre>	2.913e+03 1.908e+03
original_glrlm_GrayLevelVariance	6.603e+04
	1.882e+03
<pre>original_glrlm_HighGrayLevelRunEmphasis original_glrlm_LongRunEmphasis</pre>	3.220e+03
<pre>original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis</pre>	2.093e+03 1.713e+03
original_glrlm_LowGrayLevelRunEmphasis	1.128e+03
or returned and executation of the	1.1206103

original_glrlm_RunEntropy	1.349e+03
original_glrlm_RunLengthNonUniformity	6.204e+03
original_glrlm_RunLengthNonUniformityNormalized	1.220e+03
original_glrlm_RunPercentage	1.297e+03
original_glrlm_RunVariance	3.879e+03
original_glrlm_ShortRunEmphasis	1.282e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	2.393e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	1.094e+03
original_glszm_GrayLevelNonUniformity	2.093e+03
original_glszm_GrayLevelNonUniformityNormalized	2.889e+03
original_glszm_GrayLevelVariance	1.266e+04
original_glszm_HighGrayLevelZoneEmphasis	1.663e+03
original_glszm_LargeAreaEmphasis	2.687e+03
original_glszm_LargeAreaHighGrayLevelEmphasis	1.865e+04
original_glszm_LargeAreaLowGrayLevelEmphasis	2.135e+03
original_glszm_LowGrayLevelZoneEmphasis	1.079e+03
original_glszm_SizeZoneNonUniformity	7.373e+03
original_glszm_SizeZoneNonUniformityNormalized	1.164e+03
original_glszm_SmallAreaEmphasis	1.062e+03
original_glszm_SmallAreaHighGrayLevelEmphasis	2.427e+03
original_glszm_SmallAreaLowGrayLevelEmphasis	1.516e+03
original_glszm_ZoneEntropy	5.966e+03
original_glszm_ZonePercentage	1.318e+03
original_glszm_ZoneVariance	2.682e+03
original_ngtdm_Busyness	1.084e+03
original_ngtdm_Coarseness	6.835e+02
original_ngtdm_Complexity	8.087e+04
original_ngtdm_Contrast	6.820e+03
original_ngtdm_Strength	6.833e+03
original_shape_Elongation	1.981e+03
original_shape_Flatness	1.789e+03
original_shape_LeastAxisLength	1.683e+03
original_shape_MajorAxisLength	2.400e+03
original_shape_Maximum2DDiameterColumn	1.602e+03
original_shape_Maximum2DDiameterRow	2.755e+03
original_shape_Maximum2DDiameterSlice	2.619e+03
original_shape_Maximum3DDiameter	2.178e+03
original_shape_MeshVolume	3.354e+03
original_shape_MinorAxisLength	2.184e+03
original_shape_Sphericity	1.235e+03
original_shape_SurfaceArea	9.691e+03
original_shape_SurfaceVolumeRatio	1.155e+03
original_shape_VoxelVolume	3.360e+03
	Z
original_firstorder_10Percentile	16.061
original_firstorder_90Percentile	-5.310
original_firstorder_Energy	-0.361
original_firstorder_Entropy	0.845
original_firstorder_InterquartileRange	-16.287
original_firstorder_Kurtosis	1.371
original_firstorder_Maximum	0.357
original_firstorder_Mean	-7.087
original_firstorder_MeanAbsoluteDeviation	22.532
original_firstorder_Median	16.955
original_firstorder_Minimum	-59.113
original_firstorder_Range	0.135

	24 250
original_firstorder_RobustMeanAbsoluteDeviation	21.358
original_firstorder_RootMeanSquared	-18.506
original_firstorder_Skewness	0.259
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	6.465
original_firstorder_Variance	-42.190
original_glcm_Autocorrelation	-45.787
original_glcm_ClusterProminence	10.488
original_glcm_ClusterShade	29.620
original_glcm_ClusterTendency	2.446
original_glcm_Contrast	-143.946
original_glcm_Correlation	0.274
original_glcm_DifferenceAverage	-44.667
original_glcm_DifferenceEntropy	-7.812
original_glcm_DifferenceVariance	163.791
original_glcm_Id	9.711
original glcm Idm	-62.311
original_glcm_Idmn	23.856
original_glcm_Idn	-30.877
original_glcm_Imc1	2.741
original_glcm_Imc2	5.224
original_glcm_InverseVariance	-14.010
original_glcm_JointAverage	-43.911
original_glcm_JointEnergy	-8.239
original_glcm_JointEntropy	-0.765
original_glcm_MCC	-0.003
	1.791
original_glcm_MaximumProbability	
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	-19.043
original_glcm_SumSquares	21.122
original_gldm_DependenceEntropy	15.752
original_gldm_DependenceNonUniformity	-10.036
original_gldm_DependenceNonUniformityNormalized	22.074
original_gldm_DependenceVariance	-0.514
original_gldm_GrayLevelNonUniformity	11.211
original_gldm_GrayLevelVariance	23.492
original_gldm_HighGrayLevelEmphasis	7.762
original_gldm_LargeDependenceEmphasis	4.351
original_gldm_LargeDependenceHighGrayLevelEmphasis	-17.268
original_gldm_LargeDependenceLowGrayLevelEmphasis	-1.049
original_gldm_LowGrayLevelEmphasis	2.589
original_gldm_SmallDependenceEmphasis	2.915
original_gldm_SmallDependenceHighGrayLevelEmphasis	-10.809
original_gldm_SmallDependenceLowGrayLevelEmphasis	-0.141
original_glrlm_GrayLevelNonUniformity	1.754
original_glrlm_GrayLevelNonUniformityNormalized	-2.314
original_glrlm_GrayLevelVariance	-0.015
original_glrlm_HighGrayLevelRunEmphasis	57.179
original_glrlm_LongRunEmphasis	-0.004
original_glrlm_LongRunHighGrayLevelEmphasis	-0.013
original_glrlm_LongRunLowGrayLevelEmphasis	0.000
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.595
00 5. 55550	2.333

oniginal glalm DunVaniance	0 000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.013
original_glszm_LowGrayLevelZoneEmphasis	0.866
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	-1.021
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	-0.005
original_ngtdm_Contrast	0.001
original_ngtdm_Strength	0.001
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.115
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.001
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	1.10e-07
original_firstorder_Energy	0.71812
original_firstorder_Entropy	0.39785
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	0.17030
original_firstorder_Maximum	0.72073
original_firstorder_Mean	1.37e-12
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	0.89279
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	0.79602
original_firstorder_TotalEnergy	1.00000
or remarting scorder Trocarriler RA	1.00000

original_firstorder_Uniformity	1.01e-10
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
	< 2e-16
original_glcm_ClusterProminence	
original_glcm_ClusterShade	< 2e-16
original_glcm_ClusterTendency	0.01443
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	0.78376
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	5.61e-15
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	0.00612
original_glcm_Imc2	1.75e-07
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	0.44453
original_glcm_MCC	0.99732
original_glcm_MaximumProbability	0.07324
original_glcm_SumAverage	1.00000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	< 2e-16
original_gldm_DependenceEntropy	< 2e-16
original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	< 2e-16
original_gldm_DependenceVariance	0.60736
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	8.39e-15
original gldm LargeDependenceEmphasis	1.36e-05
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.29435
original_gldm_LowGrayLevelEmphasis	0.00962
original_gldm_SmallDependenceEmphasis	0.00355
original_gldm_SmallDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.88778
original_glrlm_GrayLevelNonUniformity	0.07941
original_glrlm_GrayLevelNonUniformityNormalized	0.02068
original_glrlm_GrayLevelVariance	0.98834
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	0.99715
original_glrlm_LongRunHighGrayLevelEmphasis	0.98952
original_glrlm_LongRunLowGrayLevelEmphasis	0.99968
original_glrlm_LowGrayLevelRunEmphasis	1.00000
original_glrlm_RunEntropy	1.00000
original_glrlm_RunLengthNonUniformity	1.00000
original_glrlm_RunLengthNonUniformityNormalized	1.00000
original_glrlm_RunPercentage	0.55207
original_glrlm_RunVariance	0.99997
original_glrlm_ShortRunEmphasis	1.00000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.00000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.00000

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```
original glszm GrayLevelNonUniformity
                                                     1.00000
original glszm GrayLevelNonUniformityNormalized
                                                     1.00000
original glszm GrayLevelVariance
                                                     1.00000
original glszm HighGrayLevelZoneEmphasis
                                                     1.00000
original_glszm_LargeAreaEmphasis
                                                     1.00000
original glszm LargeAreaHighGrayLevelEmphasis
                                                     1.00000
original_glszm_LargeAreaLowGrayLevelEmphasis
                                                     0.98958
original_glszm_LowGrayLevelZoneEmphasis
                                                     0.38655
original_glszm_SizeZoneNonUniformity
                                                     1.00000
original_glszm_SizeZoneNonUniformityNormalized
                                                     1.00000
original glszm SmallAreaEmphasis
                                                     1.00000
original_glszm_SmallAreaHighGrayLevelEmphasis
                                                     1.00000
original_glszm_SmallAreaLowGrayLevelEmphasis
                                                     1.00000
original glszm ZoneEntropy
                                                     0.99990
original glszm ZonePercentage
                                                     0.30709
original_glszm_ZoneVariance
                                                     1.00000
original ngtdm Busyness
                                                     1.00000
original ngtdm Coarseness
                                                     1.00000
original_ngtdm_Complexity
                                                     0.99619
original ngtdm Contrast
                                                     0.99894
original ngtdm Strength
                                                     1.00000
original shape Elongation
                                                     0.99974
original_shape_Flatness
                                                     1.00000
original_shape_LeastAxisLength
                                                     1.00000
original shape MajorAxisLength
                                                     0.99970
original_shape_Maximum2DDiameterColumn
                                                     0.90882
original shape Maximum2DDiameterRow
                                                     1.00000
                                                     0.99940
original shape Maximum2DDiameterSlice
original shape Maximum3DDiameter
                                                     1.00000
original_shape_MeshVolume
                                                     1.00000
original_shape_MinorAxisLength
                                                     1.00000
original_shape_Sphericity
                                                     1.00000
                                                     1.00000
original_shape_SurfaceArea
original_shape_SurfaceVolumeRatio
                                                     1.00000
original_shape_VoxelVolume
                                                     1.00000
Likelihood ratio test=39.11 on 107 df, p=1
n= 53, number of events= 5
$model list[[2]]$coxmodels[[3]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df train,
    x = TRUE
                                                    coef
original firstorder 10Percentile
                                                       0
original firstorder 90Percentile
                                                       0
original firstorder Energy
                                                       0
original firstorder Entropy
                                                       0
original firstorder InterquartileRange
                                                       0
original firstorder Kurtosis
                                                       0
original_firstorder_Maximum
                                                       0
original firstorder Mean
                                                       0
original firstorder MeanAbsoluteDeviation
                                                       0
original_firstorder_Median
                                                       0
```

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original_firstorder_Minimum	0
original_firstorder_Range	0
original_firstorder_RobustMeanAbsoluteDeviation	0
original_firstorder_RootMeanSquared	0
original_firstorder_Skewness	0
original_firstorder_TotalEnergy	0
original_firstorder_Uniformity	0
original_firstorder_Variance	0
original_glcm_Autocorrelation	0
original_glcm_ClusterProminence	0
original_glcm_ClusterShade	0
original_glcm_ClusterTendency	0
original_glcm_Contrast	0
original_glcm_Correlation	0
original_glcm_DifferenceAverage	0
original_glcm_DifferenceEntropy	0
original_glcm_DifferenceVariance	0
original glcm Id	0
original_glcm_Idm	0
original_glcm_Idmn	0
original_glcm_Idn	0
original_glcm_Imc1	0
original_glcm_Imc2	0
original_glcm_InverseVariance	0
original_glcm_JointAverage	0
original_glcm_JointEnergy	0
original_glcm_JointEntropy	0
original_glcm_MCC	0
original_glcm_MaximumProbability	0
original_glcm_SumAverage	0
original_glcm_SumEntropy	0
original_glcm_SumSquares	0
original_gldm_DependenceEntropy	0
original_gldm_DependenceNonUniformity	0
original_gldm_DependenceNonUniformityNormalized	0
original_gldm_DependenceVariance	0
original_gldm_GrayLevelNonUniformity	0
original_gldm_GrayLevelVariance	0
original_gldm_HighGrayLevelEmphasis	0
original_gldm_LargeDependenceEmphasis	0
original_gldm_LargeDependenceHighGrayLevelEmphasis	0
original_gldm_LargeDependenceLowGrayLevelEmphasis	0
original_gldm_LowGrayLevelEmphasis	0
original_gldm_SmallDependenceEmphasis	0
original_gldm_SmallDependenceHighGrayLevelEmphasis	0
original_gldm_SmallDependenceLowGrayLevelEmphasis	0
original_glrlm_GrayLevelNonUniformity	0
original_glrlm_GrayLevelNonUniformityNormalized	0
original_glrlm_GrayLevelVariance	0
original_glrlm_HighGrayLevelRunEmphasis	0
original_glrlm_LongRunEmphasis	0
original_glrlm_LongRunHighGrayLevelEmphasis	0
original_glrlm_LongRunLowGrayLevelEmphasis	0
original_glrlm_LowGrayLevelRunEmphasis	0
original_glrlm_RunEntropy	0
original_glrlm_RunLengthNonUniformity	0

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	_
original_glrlm_RunLengthNonUniformityNormalized	0
original_glrlm_RunPercentage	0
original_glrlm_RunVariance	0
original_glrlm_ShortRunEmphasis	0
original_glrlm_ShortRunHighGrayLevelEmphasis	0
original_glrlm_ShortRunLowGrayLevelEmphasis	0
original_glszm_GrayLevelNonUniformity	0
original_glszm_GrayLevelNonUniformityNormalized	0
original_glszm_GrayLevelVariance	0
original_glszm_HighGrayLevelZoneEmphasis	0
original_glszm_LargeAreaEmphasis	0
original_glszm_LargeAreaHighGrayLevelEmphasis	0
original_glszm_LargeAreaLowGrayLevelEmphasis	0
original_glszm_LowGrayLevelZoneEmphasis	0
original_glszm_SizeZoneNonUniformity	0
original_glszm_SizeZoneNonUniformityNormalized	0
original_glszm_SmallAreaEmphasis	0
original glszm SmallAreaHighGrayLevelEmphasis	0
original_glszm_SmallAreaLowGrayLevelEmphasis	0
original_glszm_ZoneEntropy	0
original_glszm_ZonePercentage	0
original_glszm_ZoneVariance	0
original_ngtdm_Busyness	0
original_ngtdm_Coarseness	0
original_ngtdm_Complexity	0
original_ngtdm_Contrast	0
original_ngtdm_Strength	0
original_shape_Elongation	0
original_shape_Flatness	0
original_shape_LeastAxisLength	0
original_shape_MajorAxisLength	0
original_shape_Maximum2DDiameterColumn	0
original_shape_Maximum2DDiameterRow	0
original_shape_Maximum2DDiameterSlice	0
original_shape_Maximum3DDiameter	0
original_shape_MeshVolume	0
original_shape_MinorAxisLength	0
original_shape_Sphericity	0
original_shape_SurfaceArea	0
original_shape_SurfaceVolumeRatio	0
original_shape_VoxelVolume	0
	exp(coef)
original_firstorder_10Percentile	1
original_firstorder_90Percentile	1
original_firstorder_Energy	1
original_firstorder_Entropy	1
original_firstorder_InterquartileRange	1
original_firstorder_Kurtosis	1
original_firstorder_Maximum	1
original_firstorder_Mean	1
original_firstorder_MeanAbsoluteDeviation	1
original_firstorder_Median	1
original_firstorder_Minimum	1
original_firstorder_Range	1
original_firstorder_RobustMeanAbsoluteDeviation	1
original_firstorder_RootMeanSquared	1
- <b>-</b> ·	

original_firstorder_Skewness	1
original_firstorder_TotalEnergy	1
original_firstorder_Uniformity	1
original_firstorder_Variance	1
original_glcm_Autocorrelation	1
original_glcm_ClusterProminence	1
original_glcm_ClusterShade	1
original_glcm_ClusterTendency	1
	1
original_glcm_Contrast	1
original_glcm_Correlation	
original_glcm_DifferenceAverage	1
original_glcm_DifferenceEntropy	1
original_glcm_DifferenceVariance	1
original_glcm_Id	1
original_glcm_Idm	1
original_glcm_Idmn	1
original_glcm_Idn	1
original_glcm_Imc1	1
original_glcm_Imc2	1
original_glcm_InverseVariance	1
original_glcm_JointAverage	1
original_glcm_JointEnergy	1
original_glcm_JointEntropy	1
original_glcm_MCC	1
original_glcm_MaximumProbability	1
original_glcm_SumAverage	1
original_glcm_SumEntropy	1
original_glcm_SumSquares	1
original_gldm_DependenceEntropy	1
original_gldm_DependenceNonUniformity	1
original_gldm_DependenceNonUniformityNormalized	1
original_gldm_DependenceVariance	1
original_gldm_GrayLevelNonUniformity	1
original_gldm_GrayLevelVariance	1
original_gldm_HighGrayLevelEmphasis	1
original_gldm_LargeDependenceEmphasis	1
original_gldm_LargeDependenceHighGrayLevelEmphasis	1
original_gldm_LargeDependenceLowGrayLevelEmphasis	1
original_gldm_LowGrayLevelEmphasis	1
original_gldm_SmallDependenceEmphasis	1
original_gldm_SmallDependenceHighGrayLevelEmphasis	1
original_gldm_SmallDependenceLowGrayLevelEmphasis	1
original_glrlm_GrayLevelNonUniformity	1
original_glrlm_GrayLevelNonUniformityNormalized	1
original_glrlm_GrayLevelVariance	1
original_glrlm_HighGrayLevelRunEmphasis	1
original_glrlm_LongRunEmphasis	1
original_glrlm_LongRunHighGrayLevelEmphasis	1
original_glrlm_LongRunLowGrayLevelEmphasis	1
original_glrlm_LowGrayLevelRunEmphasis	1
original_glrlm_RunEntropy	1
original_glrlm_RunLengthNonUniformity	1
original_glrlm_RunLengthNonUniformityNormalized	1
original_glrlm_RunPercentage	1
original_glrlm_RunVariance	1
original_glrlm_ShortRunEmphasis	1

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original_glrlm_ShortRunHighGrayLevelEmphasis	1
original_glrlm_ShortRunLowGrayLevelEmphasis	1
original_glszm_GrayLevelNonUniformity	1
original_glszm_GrayLevelNonUniformityNormalized	1
original_glszm_GrayLevelVariance	1
original_glszm_HighGrayLevelZoneEmphasis	1
original_glszm_LargeAreaEmphasis	1
original_glszm_LargeAreaHighGrayLevelEmphasis	1
original_glszm_LargeAreaLowGrayLevelEmphasis	1
original_glszm_LowGrayLevelZoneEmphasis	1
original_glszm_SizeZoneNonUniformity	1
original_glszm_SizeZoneNonUniformityNormalized	1
original_glszm_SmallAreaEmphasis	1
original_glszm_SmallAreaHighGrayLevelEmphasis	1
original_glszm_SmallAreaLowGrayLevelEmphasis	1
original_glszm_ZoneEntropy	1
original_glszm_ZonePercentage	1
original_glszm_ZoneVariance	1
original_ngtdm_Busyness	1
original_ngtdm_Coarseness	1
original_ngtdm_Complexity	1
original_ngtdm_Contrast	1
original_ngtdm_Strength	1
original_shape_Elongation	1
original_shape_Flatness	1
original_shape_LeastAxisLength	1
original_shape_MajorAxisLength	1
original_shape_Maximum2DDiameterColumn	1
original_shape_Maximum2DDiameterRow	1
original_shape_Maximum2DDiameterSlice	1
original shape Maximum3DDiameter	1
original_shape_MeshVolume	1
original_shape_MinorAxisLength	1
original_shape_Sphericity	1
original_shape_SurfaceArea	1
original_shape_SurfaceVolumeRatio	1
original_shape_VoxelVolume	1
original_shape_voxervorume	se(coef)
original_firstorder_10Percentile	Se(COET) 0
original_firstorder_90Percentile	0
original_firstorder_Energy	0
original_firstorder_Entropy	0
	0
<pre>original_firstorder_InterquartileRange original_firstorder_Kurtosis</pre>	0
original_firstorder_Maximum	
original_firstorder_Maximum original_firstorder_Mean	0 0
original_firstorder_MeanAbsoluteDeviation original_firstorder_Median	0 0
	0
original_firstorder_Minimum	
original_firstorder_Range	0
original_firstorder_RobustMeanAbsoluteDeviation	0
original_firstorder_RootMeanSquared	0
original_firstorder_Skewness	0
original_firstorder_TotalEnergy	0
original_firstorder_Uniformity	0
original_firstorder_Variance	0

original_glcm_Autocorrelation	0
original_glcm_ClusterProminence	0
original_glcm_ClusterShade	0
original_glcm_ClusterTendency	0
original_glcm_Contrast	0
original_glcm_Correlation	0
original_glcm_DifferenceAverage	0
original_glcm_DifferenceEntropy	0
original_glcm_DifferenceVariance	0
original_glcm_Id	0
original_glcm_Idm	0
original_glcm_Idmn	0
original_glcm_Idn	0
original_glcm_Imc1	0
original_glcm_Imc2	0
original_glcm_InverseVariance	0
original_glcm_JointAverage	0
original_glcm_JointEnergy	0
original_glcm_JointEntropy	0
original_glcm_MCC	0
original_glcm_MaximumProbability	0
original_glcm_SumAverage	0
original_glcm_SumEntropy	0
original_glcm_SumSquares	0
original_gldm_DependenceEntropy	0
original_gldm_DependenceNonUniformity	0
original_gldm_DependenceNonUniformityNormalized	0
original_gldm_DependenceVariance	0
original_gldm_GrayLevelNonUniformity	0
original_gldm_GrayLevelVariance	0
original_gldm_HighGrayLevelEmphasis	0
original_gldm_LargeDependenceEmphasis	0
original_gldm_LargeDependenceHighGrayLevelEmphasis	0
original_gldm_LargeDependenceLowGrayLevelEmphasis	0
original_gldm_LowGrayLevelEmphasis	0
original_gldm_SmallDependenceEmphasis	0
original_gldm_SmallDependenceHighGrayLevelEmphasis	0
original_gldm_SmallDependenceLowGrayLevelEmphasis	0
original_glrlm_GrayLevelNonUniformity	0
original_glrlm_GrayLevelNonUniformityNormalized	0
original_glrlm_GrayLevelVariance	0
original_glrlm_HighGrayLevelRunEmphasis	0
original_glrlm_LongRunEmphasis	0
original_glrlm_LongRunHighGrayLevelEmphasis	0
original_glrlm_LongRunLowGrayLevelEmphasis	0
original_glrlm_LowGrayLevelRunEmphasis	0
original_glrlm_RunEntropy	0
original_glrlm_RunLengthNonUniformity	0
original_glrlm_RunLengthNonUniformityNormalized	0
original_glrlm_RunPercentage	0
original_glrlm_RunVariance	0
original_glrlm_ShortRunEmphasis	0
original_glrlm_ShortRunHighGrayLevelEmphasis	0
original_glrlm_ShortRunLowGrayLevelEmphasis	0
original_glszm_GrayLevelNonUniformity	0
original_glszm_GrayLevelNonUniformityNormalized	
or tRinat_Rissm_arabreseimononitionmithMormailsed	0

0

original\_glszm\_GrayLevelVariance

OLIBI	nai_giszm_GrayLeveivariance		0
origi	nal_glszm_HighGrayLevelZoneEmphasis		0
origi	nal_glszm_LargeAreaEmphasis		0
origi	nal_glszm_LargeAreaHighGrayLevelEmphasis		0
	nal_glszm_LargeAreaLowGrayLevelEmphasis		0
_	nal_glszm_LowGrayLevelZoneEmphasis		0
_	nal_glszm_SizeZoneNonUniformity		0
_	nal_glszm_SizeZoneNonUniformityNormalized		
_	— <del>-</del>		0
_	nal_glszm_SmallAreaEmphasis		0
_	nal_glszm_SmallAreaHighGrayLevelEmphasis		0
_	nal_glszm_SmallAreaLowGrayLevelEmphasis		0
origi	nal_glszm_ZoneEntropy		0
origi	nal_glszm_ZonePercentage		0
origi	nal_glszm_ZoneVariance		0
origi	nal_ngtdm_Busyness		0
origi	nal_ngtdm_Coarseness		0
origi	nal_ngtdm_Complexity		0
_	nal ngtdm Contrast		0
origi	nal_ngtdm_Strength		0
	nal_shape_Elongation		0
_	nal_shape_Flatness		0
_	nal_shape_LeastAxisLength		0
_	nal_shape_MajorAxisLength		0
_	nal_shape_Maximum2DDiameterColumn		0
_	nal_shape_Maximum2DDiameterRow		
			0 0
_	nal_shape_Maximum2DDiameterSlice		
_	nal_shape_Maximum3DDiameter		0
_	nal_shape_MeshVolume		0
_	nal_shape_MinorAxisLength		0
_	nal_shape_Sphericity		0
_	nal_shape_SurfaceArea		0
_	nal_shape_SurfaceVolumeRatio		0
origi	nal_shape_VoxelVolume		0
		Z	
origi	nal_firstorder_10Percentile	NaN	
origi	nal_firstorder_90Percentile	NaN	
origi	nal_firstorder_Energy	NaN	
origi	nal_firstorder_Entropy	NaN	
origi	nal_firstorder_InterquartileRange	NaN	
origi	nal_firstorder_Kurtosis	NaN	
origi	nal_firstorder_Maximum	NaN	
origi	nal_firstorder_Mean	NaN	
	nal_firstorder_MeanAbsoluteDeviation	NaN	
_	nal_firstorder_Median	NaN	
_	 nal_firstorder_Minimum	NaN	
_	nal_firstorder_Range	NaN	
_	nal_firstorder_RobustMeanAbsoluteDeviation	NaN	
	nal_firstorder_RootMeanSquared	NaN	
_	nal_firstorder_Skewness	NaN	
_	nal_firstorder_TotalEnergy	NaN	
_	nal_firstorder_TotalEnergy nal_firstorder_Uniformity	NaN	
_	nal_firstorder_Uniformity	NaN	
_	nal_firstorder_variance nal_glcm_Autocorrelation	NaN	
_			
_	nal_glcm_ClusterProminence	NaN	
_	nal_glcm_ClusterShade	NaN	
origi	nal_glcm_ClusterTendency	NaN	

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original_glcm_Contrast	NaN
original_glcm_Correlation	NaN
original_glcm_DifferenceAverage	NaN
original_glcm_DifferenceEntropy	NaN
original_glcm_DifferenceVariance	NaN
original_glcm_Id	NaN
original_glcm_Idm	NaN
original_glcm_Idmn	NaN
original glcm Idn	NaN
original_glcm_Imc1	NaN
original_glcm_Imc2	NaN
original_glcm_InverseVariance	NaN
original_glcm_JointAverage	NaN
original_glcm_JointEnergy	NaN
original_glcm_JointEntropy	NaN
original_glcm_MCC	NaN
original_glcm_MaximumProbability	NaN
original glcm SumAverage	NaN
original_glcm_SumEntropy	NaN
original_glcm_SumSquares	NaN
	NaN
original_gldm_DependenceEntropy	NaN
original_gldm_DependenceNonUniformity	-
original_gldm_DependenceNonUniformityNormalized	NaN
original_gldm_DependenceVariance	NaN
original_gldm_GrayLevelNonUniformity	NaN
original_gldm_GrayLevelVariance	NaN
original_gldm_HighGrayLevelEmphasis	NaN
original_gldm_LargeDependenceEmphasis	NaN
8 28 2 3 2 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
original_gldm_LargeDependenceLowGrayLevelEmphasis	NaN
original_gldm_LowGrayLevelEmphasis	NaN
original_gldm_SmallDependenceEmphasis	NaN
original_gldm_SmallDependenceHighGrayLevelEmphasis	NaN
original_gldm_SmallDependenceLowGrayLevelEmphasis	NaN
original_glrlm_GrayLevelNonUniformity	NaN
original_glrlm_GrayLevelNonUniformityNormalized	NaN
original_glrlm_GrayLevelVariance	NaN
original_glrlm_HighGrayLevelRunEmphasis	
- 8 - 28 - 7 7	NaN
original_glrlm_LongRunEmphasis	NaN NaN
original_glrlm_LongRunEmphasis	NaN
<pre>original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis</pre>	NaN NaN
<pre>original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis</pre>	NaN NaN NaN
<pre>original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis</pre>	NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy	NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity	NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized	NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance	NaN NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage	NaN NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis	NaN NaN NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis	NaN NaN NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity	NaN NaN NaN NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity	NaN NaN NaN NaN NaN NaN NaN NaN NaN
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance	Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance original_glszm_HighGrayLevelZoneEmphasis	Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan
original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunPercentage original_glrlm_RunVariance original_glrlm_ShortRunEmphasis original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized original_glszm_GrayLevelVariance	NaN NaN NaN NaN NaN NaN NaN NaN NaN NaN

oniginal gleam LangoAnoalowCnayLoyolEmphacic	NaN
original_glszm_LargeAreaLowGrayLevelEmphasis	_
original_glszm_LowGrayLevelZoneEmphasis	NaN
original_glszm_SizeZoneNonUniformity	NaN
original_glszm_SizeZoneNonUniformityNormalized	NaN
original_glszm_SmallAreaEmphasis	NaN
original_glszm_SmallAreaHighGrayLevelEmphasis	NaN
original_glszm_SmallAreaLowGrayLevelEmphasis	NaN
original_glszm_ZoneEntropy	NaN
original_glszm_ZonePercentage	NaN
original_glszm_ZoneVariance	NaN
original_ngtdm_Busyness	NaN
original_ngtdm_Coarseness	NaN
original_ngtdm_Complexity	NaN
original_ngtdm_Contrast	NaN
	NaN
original_ngtdm_Strength	_
original_shape_Elongation	NaN
original_shape_Flatness	NaN
original_shape_LeastAxisLength	NaN
original_shape_MajorAxisLength	NaN
original_shape_Maximum2DDiameterColumn	NaN
original_shape_Maximum2DDiameterRow	NaN
original_shape_Maximum2DDiameterSlice	NaN
original_shape_Maximum3DDiameter	NaN
original_shape_MeshVolume	NaN
original_shape_MinorAxisLength	NaN
original_shape_Sphericity	NaN
original_shape_SurfaceArea	NaN
original_shape_SurfaceVolumeRatio	NaN
original_shape_VoxelVolume	NaN
original_shape_VoxelVolume	NaN p
original_firstorder_10Percentile	p NaN
<pre>original_firstorder_10Percentile original_firstorder_90Percentile</pre>	p NaN NaN
<pre>original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy</pre>	p NaN NaN NaN
<pre>original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy</pre>	p NaN NaN NaN
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange	p NaN NaN NaN NaN
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis	p NaN NaN NaN NaN NaN
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum	p NaN NaN NaN NaN NaN NaN
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean	p NaN NaN NaN NaN NaN NaN
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean	p NaN NaN NaN NaN NaN NaN NaN
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation	P NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy	P NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RootMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotustMeanAbsoluteDeviation original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance	P NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade	P NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterProminence original_glcm_ClusterTendency original_glcm_ClusterTendency	p NaN NaN NaN NaN NaN NaN NaN NaN NaN Na
original_firstorder_10Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Correlation	P NaN NaN NaN NaN NaN NaN NaN NaN NaN Na

original_glcm_DifferenceVariance	NaN
original_glcm_Id	NaN
original_glcm_Idm	NaN
original_glcm_Idmn	NaN
original_glcm_Idn	NaN
original_glcm_Imc1	NaN
original_glcm_Imc2	NaN
original_glcm_InverseVariance	NaN
original_glcm_JointAverage	NaN
original_glcm_JointEnergy	NaN
	NaN
<pre>original_glcm_JointEntropy original_glcm_MCC</pre>	NaN
	_
original_glcm_MaximumProbability	NaN
original_glcm_SumAverage	NaN
original_glcm_SumEntropy	NaN
original_glcm_SumSquares	NaN
original_gldm_DependenceEntropy	NaN
original_gldm_DependenceNonUniformity	NaN
original_gldm_DependenceNonUniformityNormalized	NaN
original_gldm_DependenceVariance	NaN
original_gldm_GrayLevelNonUniformity	NaN
original_gldm_GrayLevelVariance	NaN
original_gldm_HighGrayLevelEmphasis	NaN
original_gldm_LargeDependenceEmphasis	NaN
$original\_gldm\_LargeDependence High Gray Level Emphasis$	NaN
original_gldm_LargeDependenceLowGrayLevelEmphasis	NaN
original_gldm_LowGrayLevelEmphasis	NaN
original_gldm_SmallDependenceEmphasis	NaN
$original\_gldm\_SmallDependence High Gray Level Emphasis$	NaN
<pre>original_gldm_SmallDependenceLowGrayLevelEmphasis</pre>	NaN
original_glrlm_GrayLevelNonUniformity	NaN
original_glrlm_GrayLevelNonUniformityNormalized	NaN
original_glrlm_GrayLevelVariance	NaN
original_glrlm_HighGrayLevelRunEmphasis	NaN
original_glrlm_LongRunEmphasis	NaN
original_glrlm_LongRunHighGrayLevelEmphasis	NaN
original_glrlm_LongRunLowGrayLevelEmphasis	NaN
original glrlm LowGrayLevelRunEmphasis	NaN
original_glrlm_RunEntropy	NaN
original_glrlm_RunLengthNonUniformity	NaN
original_glrlm_RunLengthNonUniformityNormalized	NaN
original_glrlm_RunPercentage	NaN
original_glrlm_RunVariance	NaN
original_glrlm_ShortRunEmphasis	NaN
original_glrlm_ShortRunHighGrayLevelEmphasis	NaN
original_glrlm_ShortRunLowGrayLevelEmphasis	NaN
	NaN
original_glszm_GrayLevelNonUniformity	-
original_glszm_GrayLevelNonUniformityNormalized	NaN
original_glszm_GrayLevelVariance	NaN
original_glszm_HighGrayLevelZoneEmphasis	NaN
original_glszm_LargeAreaEmphasis	NaN
original_glszm_LargeAreaHighGrayLevelEmphasis	NaN
original_glszm_LargeAreaLowGrayLevelEmphasis	NaN
original_glszm_LowGrayLevelZoneEmphasis	NaN
original_glszm_SizeZoneNonUniformity	NaN
original_glszm_SizeZoneNonUniformityNormalized	NaN

```
original glszm SmallAreaEmphasis
                                                    NaN
original glszm SmallAreaHighGrayLevelEmphasis
                                                    NaN
original glszm SmallAreaLowGrayLevelEmphasis
                                                    NaN
original glszm ZoneEntropy
                                                    NaN
original_glszm_ZonePercentage
                                                    NaN
original glszm ZoneVariance
                                                    NaN
original_ngtdm_Busyness
                                                    NaN
original_ngtdm_Coarseness
                                                    NaN
original_ngtdm_Complexity
                                                    NaN
original_ngtdm_Contrast
                                                    NaN
original_ngtdm_Strength
                                                    NaN
original_shape_Elongation
                                                    NaN
original_shape_Flatness
                                                    NaN
original shape LeastAxisLength
                                                    NaN
original shape MajorAxisLength
                                                    NaN
original_shape_Maximum2DDiameterColumn
                                                    NaN
original shape Maximum2DDiameterRow
                                                    NaN
original shape Maximum2DDiameterSlice
                                                    NaN
original shape Maximum3DDiameter
                                                    NaN
original shape MeshVolume
                                                    NaN
original shape MinorAxisLength
                                                    NaN
original shape Sphericity
                                                    NaN
original_shape_SurfaceArea
                                                    NaN
original_shape_SurfaceVolumeRatio
                                                    NaN
original shape VoxelVolume
                                                    NaN
Likelihood ratio test=0 on 107 df, p=1
n= 97, number of events= 0
$model_list[[2]]$coxmodels[[4]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                            coef
original_firstorder_10Percentile
                                                      2.646e+02
original_firstorder_90Percentile
                                                     -1.439e+02
original firstorder Energy
                                                     -3.944e+02
original firstorder Entropy
                                                     -3.323e+02
original_firstorder_InterquartileRange
                                                     -3.467e+02
original_firstorder_Kurtosis
                                                      1.951e+00
original firstorder Maximum
                                                     -2.680e+03
original firstorder Mean
                                                      4.601e+02
original firstorder MeanAbsoluteDeviation
                                                     -4.375e+02
original firstorder Median
                                                     -3.431e+02
original firstorder Minimum
                                                      1.699e+03
original firstorder Range
                                                      3.719e+03
original firstorder RobustMeanAbsoluteDeviation
                                                      3.797e+02
original firstorder RootMeanSquared
                                                      7.465e+01
original firstorder Skewness
                                                      6.492e+00
original firstorder TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                      6.979e+01
original firstorder Variance
                                                      3.905e+04
original_glcm_Autocorrelation
                                                     -1.081e+04
original_glcm_ClusterProminence
                                                     -1.910e+03
```

original_glcm_ClusterShade	2.105e+03
original_glcm_ClusterTendency	-4.939e+03
original_glcm_Contrast	-2.693e+03
original_glcm_Correlation	8.372e+01
original_glcm_DifferenceAverage	8.282e+02
original_glcm_DifferenceEntropy	-2.156e+02
original_glcm_DifferenceVariance	-2.035e+03
original_glcm_Id	2.561e+03
original_glcm_Idm	-2.564e+03
original_glcm_Idmn	-1.597e+02
original_glcm_Idn	1.330e+01
original_glcm_Imc1	1.383e+02
original_glcm_Imc2	1.071e+01
original_glcm_InverseVariance	7.502e+01
	1.003e+03
original_glcm_JointAverage	-1.735e+02
original_glcm_JointEnergy	
original_glcm_JointEntropy	-1.110e+03
original_glcm_MCC	-2.972e+01
original_glcm_MaximumProbability	5.246e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	1.151e+02
original_glcm_SumSquares	6.493e+03
original_gldm_DependenceEntropy	8.625e+02
original_gldm_DependenceNonUniformity	2.634e+03
original_gldm_DependenceNonUniformityNormalized	7.594e+02
original_gldm_DependenceVariance	2.086e+02
original_gldm_GrayLevelNonUniformity	4.786e+02
original_gldm_GrayLevelVariance	-3.261e+04
original_gldm_HighGrayLevelEmphasis	2.187e+04
original_gldm_LargeDependenceEmphasis	-4.688e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.271e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.871e+03
original_gldm_LowGrayLevelEmphasis	-1.531e+03
original_gldm_SmallDependenceEmphasis	-7.739e+01
original_gldm_SmallDependenceHighGrayLevelEmphasis	-2.987e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	6.286e+01
original_glrlm_GrayLevelNonUniformity	-1.519e+03
original_glrlm_GrayLevelNonUniformityNormalized	-3.595e+02
original_glrlm_GrayLevelVariance	-2.903e+03
original_glrlm_HighGrayLevelRunEmphasis	-1.162e+04
original_glrlm_LongRunEmphasis	-1.071e+02
original_glrlm_LongRunHighGrayLevelEmphasis	-2.020e+02
original_glrlm_LongRunLowGrayLevelEmphasis	4.359e+02
original_glrlm_LowGrayLevelRunEmphasis	4.359e+02
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	-6.625e+02
original_glrlm_RunLengthNonUniformityNormalized	1.735e+02
original_glrlm_RunPercentage	1.733e+02 1.274e+02
original_glrlm_RunVariance	
	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00

7-7-2020, 11:00 Olimalated examp	nes for the salvival en
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	-3.603e+01
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	3.528e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	-1.614e+01
original_shape_Elongation	1.032e+00
original_shape_Flatness	5.798e-02
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
	6.502e-02
original_shape_Maximum2DDiameterRow	
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	-6.597e-01
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	1.438e-02
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	8.434e+114
original_firstorder_90Percentile	3.354e-63
original_firstorder_Energy	5.278e-172
original_firstorder_Entropy	4.626e-145
original_firstorder_InterquartileRange	2.593e-151
original_firstorder_Kurtosis	7.035e+00
original_firstorder_Maximum	0.000e+00
original_firstorder_Mean	6.597e+199
original_firstorder_MeanAbsoluteDeviation	1.002e-190
original_firstorder_Median	9.454e-150
original_firstorder_Minimum	Inf
original_firstorder_Range	Inf
original_firstorder_RobustMeanAbsoluteDeviation	8.337e+164
original_firstorder_RootMeanSquared	2.620e+32
original_firstorder_Skewness	6.602e+02
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	2.030e+30
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	2.285e+36

127.0.0.1:6523 126/274

original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	2.305e-94
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	4.582e-70
original_glcm_Idn	5.986e+05
original_glcm_Imc1	1.120e+60
original_glcm_Imc2	4.470e+04
original_glcm_InverseVariance	3.803e+32
original_glcm_JointAverage	Inf
original_glcm_JointEnergy	4.591e-76
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	1.235e-13
original_glcm_MaximumProbability	6.040e+22
original_glcm_SumAverage	1.000e+00
	9.495e+49
original_glcm_SumEntropy	
original_glcm_SumSquares	Inf
original_gldm_DependenceEntropy	Inf
original_gldm_DependenceNonUniformity	Inf
original_gldm_DependenceNonUniformityNormalized	Inf
original_gldm_DependenceVariance	3.829e+90
original_gldm_GrayLevelNonUniformity	7.076e+207
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceEmphasis	2.508e-204
original_gldm_LargeDependenceHighGrayLevelEmphasis	4.191e+98
original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	2.452e-34
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.947e-130
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.003e+27
original_glrlm_GrayLevelNonUniformity	0.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	7.292e-157
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	3.204e-47
original_glrlm_LongRunHighGrayLevelEmphasis	1.878e-88
original_glrlm_LongRunLowGrayLevelEmphasis	1.964e+189
original_glrlm_LowGrayLevelRunEmphasis	2.050e+189
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.932e-288
$original\_glrlm\_RunLengthNonUniformityNormalized$	2.184e+75
original_glrlm_RunPercentage	2.059e+55
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.000e+00
$original\_glszm\_GrayLevelNonUniformityNormalized$	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	2.252e-16
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00

original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original glszm SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00 1.000e+00
	3.404e+01
<pre>original_ngtdm_Complexity original_ngtdm_Contrast</pre>	1.000e+00
	9.791e-08
original_ngtdm_Strength	2.806e+00
original_shape_Elongation	
original_shape_Flatness	1.060e+00
original_shape_LeastAxisLength	1.000e+00 1.000e+00
original_shape_MajorAxisLength	
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.067e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	5.170e-01
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.014e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00 se(coef)
original_firstorder_10Percentile	5.438e+03
original_firstorder_90Percentile	3.438e+03 3.631e+03
original_firstorder_Energy	3.697e+04
original_firstorder_Entropy	2.133e+03
original_firstorder_InterquartileRange	9.453e+03
original firstorder Kurtosis	1.699e+04
original_firstorder_Maximum	6.151e+03
original_firstorder_Mean	9.407e+03
original_firstorder_MeanAbsoluteDeviation	1.166e+04
original firstorder Median	1.164e+04
original_firstorder_Minimum	5.712e+03
original_firstorder_Range	5.173e+03
original_firstorder_RobustMeanAbsoluteDeviation	7.130e+03
original_firstorder_RootMeanSquared	1.029e+04
original_firstorder_Skewness	3.654e+03
original_firstorder_TotalEnergy	3.697e+04
original_firstorder_Uniformity	2.336e+03
original_firstorder_Variance	8.765e+03
original_glcm_Autocorrelation	4.876e+03
original_glcm_ClusterProminence	8.438e+03
original_glcm_ClusterShade	8.655e+03
original_glcm_ClusterTendency	9.352e+03
original_glcm_Contrast	8.185e+03
original_glcm_Correlation	2.198e+03
original_glcm_DifferenceAverage	7.696e+03
original_glcm_DifferenceEntropy	3.157e+03
original_glcm_DifferenceVariance	7.995e+03
original_glcm_Id	2.225e+03
- <del> </del>	

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original_glcm_Idm	2.044e+03
original_glcm_Idmn	2.418e+03
original_glcm_Idn	2.501e+04
original_glcm_Imc1	5.776e+03
original_glcm_Imc2	2.732e+03
original_glcm_InverseVariance	1.136e+04
original_glcm_JointAverage	6.475e+03
original_glcm_JointEnergy	2.654e+03
original_glcm_JointEntropy	1.784e+03
original_glcm_MCC	1.369e+03
original_glcm_MaximumProbability	2.242e+03
original_glcm_SumAverage	6.475e+03
original_glcm_SumEntropy	2.007e+03
original_glcm_SumSquares	9.051e+03
original_gldm_DependenceEntropy	2.955e+03
original_gldm_DependenceNonUniformity	6.164e+04
original_gldm_DependenceNonUniformityNormalized	1.132e+04
	4.724e+03
original_gldm_DependenceVariance	
original_gldm_GrayLevelNonUniformity	7.984e+03
original_gldm_GrayLevelVariance	8.769e+03
original_gldm_HighGrayLevelEmphasis	4.751e+03
original_gldm_LargeDependenceEmphasis	3.304e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	6.061e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	4.246e+04
original_gldm_LowGrayLevelEmphasis	2.293e+04
original_gldm_SmallDependenceEmphasis	1.340e+04
original_gldm_SmallDependenceHighGrayLevelEmphasis	5.615e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.375e+04
original_glrlm_GrayLevelNonUniformity	1.510e+04
original_glrlm_GrayLevelNonUniformityNormalized	3.057e+03
original_glrlm_GrayLevelVariance	7.703e+03
original_glrlm_HighGrayLevelRunEmphasis	4.387e+03
original_glrlm_LongRunEmphasis	3.920e+03
original_glrlm_LongRunHighGrayLevelEmphasis	5.844e+03
original_glrlm_LongRunLowGrayLevelEmphasis	4.925e+04
original_glrlm_LowGrayLevelRunEmphasis	2.422e+04
original_glrlm_RunEntropy	5.582e+03
original_glrlm_RunLengthNonUniformity	1.972e+04
original_glrlm_RunLengthNonUniformityNormalized	4.709e+03
original_glrlm_RunPercentage	3.514e+03
original glrlm RunVariance	4.270e+03
original_glrlm_ShortRunEmphasis	3.890e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	3.332e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	2.089e+04
original_glszm_GrayLevelNonUniformity	2.516e+04
original_glszm_GrayLevelNonUniformityNormalized	1.616e+04
original_glszm_GrayLevelVariance	5.633e+03
original_glszm_HighGrayLevelZoneEmphasis	2.388e+03
original_glszm_LargeAreaEmphasis	
I OD-IIGH_BEDEIII_EGI BEDI CULIIPIIGDED	1.5730+04
	1.573e+04 2 197e+04
original_glszm_LargeAreaHighGrayLevelEmphasis	2.197e+04
original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis	2.197e+04 9.525e+04
<pre>original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis</pre>	2.197e+04 9.525e+04 5.572e+04
original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity	2.197e+04 9.525e+04 5.572e+04 5.113e+03
original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized	2.197e+04 9.525e+04 5.572e+04 5.113e+03 8.573e+02
original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity	2.197e+04 9.525e+04 5.572e+04 5.113e+03

original_glszm_SmallAreaLowGrayLevelEmphasis	4.294e+04
original_glszm_ZoneEntropy	2.229e+03
original_glszm_ZonePercentage	1.287e+04
original_glszm_ZoneVariance	1.568e+04
original_ngtdm_Busyness	1.801e+04
original_ngtdm_Coarseness	2.235e+04
original_ngtdm_Complexity	8.982e+03
original_ngtdm_Contrast	8.190e+03
original_ngtdm_Strength	8.881e+03
original_shape_Elongation	2.773e+03
original_shape_Flatness	2.273e+03
original_shape_LeastAxisLength	5.218e+03
original_shape_MajorAxisLength	2.679e+04
original_shape_Maximum2DDiameterColumn	1.731e+04
original_shape_Maximum2DDiameterRow	2.580e+04
original_shape_Maximum2DDiameterSlice	3.532e+03
original_shape_Maximum3DDiameter	1.221e+04
original_shape_MeshVolume	2.297e+04
original_shape_MinorAxisLength	9.451e+03
original_shape_Sphericity	5.465e+03
original_shape_SurfaceArea	3.307e+04
original_shape_SurfaceVolumeRatio	1.780e+04
original_shape_VoxelVolume	2.310e+04
of iginal_shape_voxelvoidile	Z.310e104
original_firstorder_10Percentile	0.049
original_firstorder_90Percentile	-0.040
original_firstorder_Energy	-0.011
original_firstorder_Energy original_firstorder_Entropy	-0.156
original_firstorder_InterquartileRange	-0.037
original_firstorder_Kurtosis	0.000
original_firstorder_Maximum	-0.436
original_firstorder_Mean	0.049
original_firstorder_MeanAbsoluteDeviation	-0.038
original_firstorder_Median	-0.029
original_firstorder_Minimum	0.297
original_firstorder_Range	0.719
original_firstorder_RobustMeanAbsoluteDeviation	0.053
original_firstorder_RootMeanSquared	0.007
original_firstorder_Skewness	0.002
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	0.030
original_firstorder_Variance	4.456
original_glcm_Autocorrelation	-2.218
original_glcm_ClusterProminence	-0.226
original_glcm_ClusterShade	0.243
original_glcm_ClusterTendency	-0.528
original_glcm_Contrast	-0.329
original_glcm_Correlation	0.038
original_glcm_DifferenceAverage	0.108
original_glcm_DifferenceEntropy	-0.068
original_glcm_DifferenceVariance	-0.254
original_glcm_Id	1.151
original_glcm_Idm	-1.255
original_glcm_Idmn	-0.066
original_glcm_Idn	0.001
original_glcm_Imc1	0.024

original_glcm_Imc2	0.004
original_glcm_InverseVariance	0.007
original_glcm_Inversevariance original_glcm_JointAverage	0.155
original_glcm_JointEnergy	-0.065
original_glcm_JointEntropy	-0.622
original_glcm_MCC	-0.022
original_glcm_MaximumProbability	0.023
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.057
original_glcm_SumSquares	0.717
original_gldm_DependenceEntropy	0.292
original_gldm_DependenceNonUniformity	0.043
original_gldm_DependenceNonUniformityNormalized	0.067
original_gldm_DependenceVariance	0.044
original_gldm_GrayLevelNonUniformity	0.060
original_gldm_GrayLevelVariance	-3.718
original_gldm_HighGrayLevelEmphasis	4.603
original gldm LargeDependenceEmphasis	-0.142
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.037
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.044
original_gldm_LowGrayLevelEmphasis	-0.067
original_gldm_SmallDependenceEmphasis	-0.006
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.005
original_glrlm_GrayLevelNonUniformity	-0.101
original_glrlm_GrayLevelNonUniformityNormalized	-0.118
original_glrlm_GrayLevelVariance	-0.377
original_glrlm_HighGrayLevelRunEmphasis	-2.648
original_glrlm_LongRunEmphasis	-0.027
original_glrlm_LongRunHighGrayLevelEmphasis	-0.035
original_glrlm_LongRunLowGrayLevelEmphasis	0.009
original_glrlm_LowGrayLevelRunEmphasis	0.018
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	-0.034
original_glrlm_RunLengthNonUniformityNormalized	0.037
original_glrlm_RunPercentage	0.036
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
I	

original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	-0.002
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original shape SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
of iginal_shape_voxelvolume	
original_firstorder_10Percentile	р 0.96119
original_firstorder_90Percentile	0.96840
original_firstorder_Energy	0.99149
original_firstorder_Entropy	0.87618
original_firstorder_InterquartileRange	0.97074
original_firstorder_Kurtosis	0.99991
original_firstorder_Maximum	0.66306
original_firstorder_Mean	0.96099
original_firstorder_MeanAbsoluteDeviation	0.97006
original_firstorder_Median	0.97648
original_firstorder_Minimum	0.76617
original_firstorder_Range	0.47223
original_firstorder_RobustMeanAbsoluteDeviation	0.95752
original_firstorder_RootMeanSquared	0.99421
original_firstorder_Skewness	0.99858
original_firstorder_TotalEnergy	1.00000
original_firstorder_Uniformity	0.97617
original_firstorder_Variance	8.37e-06
original_glcm_Autocorrelation	0.02657
original_glcm_ClusterProminence	0.82090
original_glcm_ClusterShade	0.80781
original_glcm_ClusterTendency	0.59742
original_glcm_Contrast	0.74215
original_glcm_Correlation	0.96962
original_glcm_DifferenceAverage	0.91430
original_glcm_DifferenceEntropy	0.94556
original_glcm_DifferenceVariance	0.79912
original_glcm_Id	0.24978
original_glcm_Idm	0.20961
original_glcm_Idmn	0.94735
original_glcm_Idn	0.99958
original_glcm_Imc1	0.98090
original_glcm_Imc2	0.99687
original_glcm_InverseVariance	0.99473
original_glcm_JointAverage	0.87689
original_glcm_JointEnergy	0.94789

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original_glcm_JointEntropy	0.53364
original_glcm_MCC	0.98268
original_glcm_MaximumProbability	0.98134
original_glcm_SumAverage	1.00000
original_glcm_SumEntropy	0.95428
original_glcm_SumSquares	0.47318
original_gldm_DependenceEntropy	0.47318
	0.96592
original_gldm_DependenceNonUniformity	
<pre>original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance</pre>	0.94653 0.96478
,	
original_gldm_GrayLevelNonUniformity	0.95220
original_gldm_GrayLevelVariance	0.00020
original_gldm_HighGrayLevelEmphasis	4.17e-06
original_gldm_LargeDependenceEmphasis	0.88716
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.97011
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.96485
original_gldm_LowGrayLevelEmphasis	0.94678
original_gldm_SmallDependenceEmphasis	0.99539
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.95758
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.99635
original_glrlm_GrayLevelNonUniformity	0.91984
original_glrlm_GrayLevelNonUniformityNormalized	0.90639
original_glrlm_GrayLevelVariance	0.70625
original_glrlm_HighGrayLevelRunEmphasis	0.00809
original_glrlm_LongRunEmphasis	0.97821
original_glrlm_LongRunHighGrayLevelEmphasis	0.97243
original_glrlm_LongRunLowGrayLevelEmphasis	0.99294
original_glrlm_LowGrayLevelRunEmphasis	0.98564
original_glrlm_RunEntropy	1.00000
original_glrlm_RunLengthNonUniformity	0.97321
original_glrlm_RunLengthNonUniformityNormalized	0.97061
original_glrlm_RunPercentage	0.97109
original_glrlm_RunVariance	1.00000
original_glrlm_ShortRunEmphasis	1.00000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.00000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.00000
original_glszm_GrayLevelNonUniformity	1.00000
original_glszm_GrayLevelNonUniformityNormalized	1.00000
original_glszm_GrayLevelVariance	1.00000
original_glszm_HighGrayLevelZoneEmphasis	1.00000
original_glszm_LargeAreaEmphasis	1.00000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.00000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.99970
original_glszm_LowGrayLevelZoneEmphasis	1.00000
original_glszm_SizeZoneNonUniformity	1.00000
original_glszm_SizeZoneNonUniformityNormalized	1.00000
original_glszm_SmallAreaEmphasis	1.00000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.00000
original_glszm_SmallAreaLowGrayLevelEmphasis	1.00000
original_glszm_ZoneEntropy	1.00000
original_glszm_ZonePercentage	1.00000
original_glszm_ZoneVariance	1.00000
original_ngtdm_Busyness	1.00000
<pre>original_ngtdm_Coarseness original_ngtdm_Complexity</pre>	0.99969
original_ngtdm_Complexity	1.00000
סו בקבוומב_ווקנימווו_כטוונו מסנ	1.00000

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```
original ngtdm Strength
                                                     0.99855
original shape Elongation
                                                     0.99970
original shape Flatness
                                                     0.99998
original shape LeastAxisLength
                                                     1.00000
original_shape_MajorAxisLength
                                                     1.00000
original shape Maximum2DDiameterColumn
                                                     1.00000
original_shape_Maximum2DDiameterRow
                                                     1.00000
original_shape_Maximum2DDiameterSlice
                                                     1.00000
original_shape_Maximum3DDiameter
                                                     0.99996
original_shape_MeshVolume
                                                     1.00000
original_shape_MinorAxisLength
                                                     1.00000
original_shape_Sphericity
                                                     1.00000
original_shape_SurfaceArea
                                                     1.00000
original_shape_SurfaceVolumeRatio
                                                     1.00000
original_shape_VoxelVolume
                                                     1.00000
Likelihood ratio test=32.27 on 107 df, p=1
n= 58, number of events= 4
$model_list[[2]]$coxmodels[[5]]
Call:
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                      9.391e+01
original firstorder 90Percentile
                                                      3.088e+02
                                                     -4.785e+01
original firstorder Energy
original_firstorder_Entropy
                                                      4.155e+02
original_firstorder_InterquartileRange
                                                      2.085e+03
original_firstorder_Kurtosis
                                                     -3.736e+01
                                                      5.457e+03
original_firstorder_Maximum
original_firstorder_Mean
                                                     -1.871e+03
original_firstorder_MeanAbsoluteDeviation
                                                     -1.873e+03
original firstorder Median
                                                      9.763e+02
                                                     -3.161e+03
original_firstorder_Minimum
original_firstorder_Range
                                                     -7.171e+03
original firstorder RobustMeanAbsoluteDeviation
                                                     -1.948e+03
original firstorder RootMeanSquared
                                                      4.213e+02
original firstorder Skewness
                                                     -9.687e+00
original_firstorder_TotalEnergy
                                                      0.000e+00
original firstorder Uniformity
                                                      1.388e+02
original firstorder Variance
                                                     -2.066e+03
original glcm Autocorrelation
                                                      5.590e+02
original glcm ClusterProminence
                                                     -5.175e+05
original glcm ClusterShade
                                                     -3.719e+04
original glcm ClusterTendency
                                                      1.675e+04
original glcm Contrast
                                                     -6.694e+03
original glcm Correlation
                                                     -2.211e+02
original glcm DifferenceAverage
                                                      8.956e+00
original glcm DifferenceEntropy
                                                     -8.222e+01
original_glcm_DifferenceVariance
                                                     -4.178e+03
original glcm Id
                                                      1.964e+01
                                                      0.000e+00
original_glcm_Idm
original_glcm_Idmn
                                                     -9.624e+00
```

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original_glcm_Idn	0.000e+00
original_glcm_Imc1	5.062e-02
original_glcm_Imc2	-4.292e-01
original_glcm_InverseVariance	1.703e+00
original_glcm_JointAverage	1.348e+01
original_glcm_JointEnergy	-4.268e+01
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	-1.668e-01
original_glcm_MaximumProbability	0.000e+00
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	-8.880e+01
original_gldm_DependenceEntropy	0.000e+00
original_gldm_DependenceNonUniformity	0.000e+00
original_gldm_DependenceNonUniformityNormalized	0.000e+00
original_gldm_DependenceVariance	0.000e+00
original_gldm_GrayLevelNonUniformity	1.614e+01
	3.099e+02
original_gldm_GrayLevelVariance	-1.052e+02
original_gldm_HighGrayLevelEmphasis	
original_gldm_LargeDependenceEmphasis	0.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	0.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00
original_glrlm_GrayLevelNonUniformity	0.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	-3.325e+02
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	1.498e-01
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.187e-01
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	5.968e-01
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
or remar Ersem concentropy	0.0000+00

oniginal glazm ZonoDoncontago	0.000e+00
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	0.000e+00 0.000e+00
original_ngtdm_Busyness	
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	0.000e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	4.247e-02
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	2.881e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	6.091e+40
original_firstorder_90Percentile	1.301e+134
original_firstorder_Energy	1.655e-21
original_firstorder_Entropy	2.837e+180
original_firstorder_InterquartileRange	Inf
original_firstorder_Kurtosis	5.969e-17
original firstorder Maximum	Inf
original_firstorder_Maximum original firstorder Mean	Inf 0.000e+00
original_firstorder_Mean	0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation	
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median	0.000e+00 0.000e+00 Inf
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum	0.000e+00 0.000e+00 Inf 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_Correlation original_glcm_DifferenceAverage	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceVariance	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_Contrast original_glcm_Correlation original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceVariance original_glcm_DifferenceVariance	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00 3.369e+08
original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_Id original_glcm_Idm	0.000e+00 0.000e+00 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00 3.369e+08 1.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceEntropy original_glcm_Id original_glcm_Id original_glcm_Idm original_glcm_Idmn	0.000e+00 0.000e+00 Inf 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00 3.369e+08 1.000e+00 6.612e-05
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Correlation original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceVariance original_glcm_Idm original_glcm_Idm original_glcm_Idmn original_glcm_Idnn	0.000e+00 0.000e+00 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00 3.369e+08 1.000e+00 6.612e-05 1.000e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceEntropy original_glcm_Id original_glcm_Id original_glcm_Id original_glcm_Idm original_glcm_Idn original_glcm_Idn original_glcm_Idn original_glcm_Idn	0.000e+00 0.000e+00 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00 3.369e+08 1.000e+00 6.612e-05 1.000e+00 1.052e+00
original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Correlation original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy original_glcm_DifferenceVariance original_glcm_Idm original_glcm_Idm original_glcm_Idmn original_glcm_Idnn	0.000e+00 0.000e+00 0.000e+00 0.000e+00 0.000e+00 9.607e+182 6.208e-05 1.000e+00 1.929e+60 0.000e+00 6.109e+242 0.000e+00 Inf 0.000e+00 9.427e-97 7.756e+03 1.951e-36 0.000e+00 3.369e+08 1.000e+00 6.612e-05 1.000e+00

original_glcm_JointAverage	7.184e+05
	2.910e-19
<pre>original_glcm_JointEnergy original_glcm_JointEntropy</pre>	1.000e+00
original_glcm_MCC	8.464e-01
original_glcm_MaximumProbability	1.000e+00
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	1.000e+00
original_glcm_SumSquares	2.708e-39
original_gldm_DependenceEntropy	1.000e+00
original_gldm_DependenceNonUniformity	1.000e+00
original_gldm_DependenceNonUniformityNormalized	1.000e+00
original_gldm_DependenceVariance	1.000e+00
original_gldm_GrayLevelNonUniformity	1.025e+07
original_gldm_GrayLevelVariance	3.975e+134
original_gldm_HighGrayLevelEmphasis	2.155e-46
original_gldm_LargeDependenceEmphasis	1.000e+00
$original\_gldm\_Large Dependence High Gray Level Emphasis$	1.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000e+00
original_gldm_LowGrayLevelEmphasis	1.000e+00
original_gldm_SmallDependenceEmphasis	1.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000e+00
original_glrlm_GrayLevelNonUniformity	1.000e+00
original_glrlm_GrayLevelNonUniformityNormalized	1.000e+00
original_glrlm_GrayLevelVariance	1.000e+00
original_glrlm_HighGrayLevelRunEmphasis	3.816e-145
original_glrlm_LongRunEmphasis	1.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	1.162e+00
original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.000e+00
original_glszm_GrayLevelNonUniformityNormalized	
	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.126e+00
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.816e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00

4/2023, 11.31	Simulated examples for	tile Survival ens
original_ngtdm_Complexity		1.000e+00
original_ngtdm_Contrast		1.000e+00
original_ngtdm_Strength		1.000e+00
original_shape_Elongation		1.000e+00
original_shape_Flatness		1.000e+00
original_shape_LeastAxisLength		1.000e+00
original_shape_MajorAxisLength		1.000e+00
original_shape_Maximum2DDiameterCol	umn	1.000e+00
original_shape_Maximum2DDiameterRow		1.000e+00
original_shape_Maximum2DDiameterSli	ce	1.043e+00
original_shape_Maximum3DDiameter		1.000e+00
original_shape_MeshVolume		1.000e+00
original_shape_MinorAxisLength		1.000e+00
original_shape_Sphericity		1.783e+01
original_shape_SurfaceArea		1.000e+00
original_shape_SurfaceVolumeRatio		1.000e+00
original_shape_VoxelVolume		1.000e+00
or iginar_shape_voxervorame		se(coef)
original_firstorder_10Percentile		1.128e+06
original firstorder 90Percentile		5.432e+05
original_firstorder_Energy		4.781e+06
original_firstorder_Entropy		6.508e+05
original_firstorder_InterquartileRa	nge	1.726e+06
	ige	
original_firstorder_Kurtosis		4.549e+05
original_firstorder_Maximum		3.474e+06 5.078e+05
original_firstorder_Mean	iation	
original_firstorder_MeanAbsoluteDev	14(10))	1.768e+06
original_firstorder_Median		3.955e+05
original_firstorder_Minimum		1.010e+06
original_firstorder_Range		2.213e+06
original_firstorder_RobustMeanAbsol		1.769e+06
original_firstorder_RootMeanSquared		8.215e+05
original_firstorder_Skewness		6.018e+05
original_firstorder_TotalEnergy		4.781e+06
original_firstorder_Uniformity		4.867e+05
original_firstorder_Variance		1.077e+07
original_glcm_Autocorrelation		1.064e+06
original_glcm_ClusterProminence		1.467e+09
original_glcm_ClusterShade		9.321e+07
original_glcm_ClusterTendency		1.365e+07
original_glcm_Contrast		1.148e+07
original_glcm_Correlation		3.854e+05
original_glcm_DifferenceAverage		1.079e+06
original_glcm_DifferenceEntropy		6.956e+05
original_glcm_DifferenceVariance		1.441e+07
original_glcm_Id		5.844e+05
original_glcm_Idm		5.829e+05
original_glcm_Idmn		4.196e+05
original_glcm_Idn		4.360e+05
original_glcm_Imc1		3.937e+05
original_glcm_Imc2		2.560e+05
original_glcm_InverseVariance		4.889e+05
original_glcm_JointAverage		9.777e+05
original_glcm_JointEnergy		5.693e+05
original_glcm_JointEntropy		6.333e+05
original_glcm_MCC		3.274e+05

original_glcm_MaximumProbability	5.182e+05
original_glcm_SumAverage	9.777e+05
original_glcm_SumEntropy	5.949e+05
original_glcm_SumSquares	1.316e+07
original_gldm_DependenceEntropy	6.473e+05
original_gldm_DependenceNonUniformity	4.585e+06
original_gldm_DependenceNonUniformityNormalized	4.985e+05
original_gldm_DependenceVariance	4.075e+05
original_gldm_GrayLevelNonUniformity	1.573e+06
original_gldm_GrayLevelVariance	1.068e+07
original_gldm_HighGrayLevelEmphasis	1.061e+06
original_gldm_LargeDependenceEmphasis	4.004e+05
original_gldm_LargeDependenceHighGrayLevelEmphasis	
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.291e+06
original_gldm_LowGrayLevelEmphasis	2.593e+06
original_gldm_SmallDependenceEmphasis	3.507e+05
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original gldm SmallDependenceLowGrayLevelEmphasis	4.839e+05
original_glrlm_GrayLevelNonUniformity	2.340e+06
original_glrlm_GrayLevelNonUniformityNormalized	6.027e+05
original_glrlm_GrayLevelVariance	1.101e+07
	1.046e+06
original_glrlm_HighGrayLevelRunEmphasis	
original_glrlm_LongRunEmphasis	5.561e+05
original_glrlm_LongRunHighGrayLevelEmphasis	8.395e+05
original_glrlm_LongRunLowGrayLevelEmphasis	3.668e+06
original_glrlm_LowGrayLevelRunEmphasis	2.514e+06
original_glrlm_RunEntropy	5.965e+05
original_glrlm_RunLengthNonUniformity	4.622e+06
original_glrlm_RunLengthNonUniformityNormalized	3.926e+05
original_glrlm_RunPercentage	3.878e+05
original_glrlm_RunVariance	6.301e+05
original_glrlm_ShortRunEmphasis	3.941e+05
original_glrlm_ShortRunHighGrayLevelEmphasis	1.166e+06
original_glrlm_ShortRunLowGrayLevelEmphasis	1.961e+06
original_glszm_GrayLevelNonUniformity	2.758e+06
original_glszm_GrayLevelNonUniformityNormalized	7.557e+05
original_glszm_GrayLevelVariance	7.749e+06
original_glszm_HighGrayLevelZoneEmphasis	9.533e+05
original_glszm_LargeAreaEmphasis	1.247e+06
original_glszm_LargeAreaHighGrayLevelEmphasis	2.378e+06
original_glszm_LargeAreaLowGrayLevelEmphasis	3.612e+06
original_glszm_LowGrayLevelZoneEmphasis	1.874e+06
original_glszm_SizeZoneNonUniformity	5.346e+06
original_glszm_SizeZoneNonUniformityNormalized	4.183e+05
original_glszm_SmallAreaEmphasis	4.355e+05
original_glszm_SmallAreaHighGrayLevelEmphasis	8.895e+05
original_glszm_SmallAreaLowGrayLevelEmphasis	1.356e+06
original_glszm_ZoneEntropy	7.711e+05
original_glszm_ZonePercentage	3.244e+05
original_glszm_ZoneVariance	1.254e+06
original_ngtdm_Busyness	1.835e+06
original_ngtdm_Coarseness	3.443e+05
original_ngtdm_Complexity	1.631e+07
original_ngtdm_Contrast	1.811e+06
original_ngtdm_Strength	1.507e+06
original_shape_Elongation	4.476e+05
5 - 1 - 1 - 1	

, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	p. 00 . 0
original_shape_Flatness	3.901e+05
original_shape_LeastAxisLength	8.035e+05
original_shape_MajorAxisLength	1.753e+06
original_shape_Maximum2DDiameterColumn	1.467e+06
original_shape_Maximum2DDiameterRow	1.190e+06
original_shape_Maximum2DDiameterSlice	9.540e+05
original_shape_Maximum3DDiameter	1.764e+06
original_shape_MeshVolume	2.080e+06
original_shape_MinorAxisLength	9.794e+05
original_shape_Sphericity	4.634e+05
original_shape_SurfaceArea	6.195e+06
original_shape_SurfaceVolumeRatio	4.053e+05
original_shape_VoxelVolume	2.092e+06
	Z
original_firstorder_10Percentile	0.000
original_firstorder_90Percentile	0.001
original_firstorder_Energy	0.000
original_firstorder_Entropy	0.001
original_firstorder_InterquartileRange	0.001
original_firstorder_Kurtosis	0.000
original_firstorder_Maximum	0.002
original_firstorder_Mean	-0.004
original_firstorder_MeanAbsoluteDeviation	-0.001
original_firstorder_Median	0.002
original_firstorder_Minimum	-0.003
original_firstorder_Range	-0.003
original_firstorder_RobustMeanAbsoluteDeviation	-0.001
original_firstorder_RootMeanSquared	0.001
original_firstorder_Skewness	0.000
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	0.000
original_firstorder_Variance	0.000
original_glcm_Autocorrelation	0.001
original_glcm_ClusterProminence	0.000
original_glcm_ClusterShade	0.000
original_glcm_ClusterTendency	0.001
original_glcm_Contrast	-0.001
original_glcm_Correlation	-0.001
original_glcm_DifferenceAverage	0.000
original_glcm_DifferenceEntropy	0.000
original_glcm_DifferenceVariance	0.000
original_glcm_Id	0.000
original_glcm_Idm	0.000
original_glcm_Idmn	0.000
original_glcm_Idn	0.000
original_glcm_Imc1	0.000
original_glcm_Imc2	0.000
original_glcm_InverseVariance	0.000
original_glcm_JointAverage	0.000
original_glcm_JointEnergy	0.000
original_glcm_JointEnergy original_glcm_JointEntropy	0.000
<pre>original_glcm_MCC original_glcm_MaximumProbability</pre>	0.000 0.000
original_glcm_maximumprobability original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.000
original_glcm_SumSquares	0.000
or retuat erem samsquares	0.000

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original_gldm_DependenceEntropy	0.000
original_gldm_DependenceNonUniformity	0.000
original_gldm_DependenceNonUniformityNormalized	0.000
original_gldm_DependenceVariance	0.000
original_gldm_GrayLevelNonUniformity	0.000
original_gldm_GrayLevelVariance	0.000
original_gldm_HighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceEmphasis	0.000
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000
original_gldm_LowGrayLevelEmphasis	0.000
original_gldm_SmallDependenceEmphasis	0.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000
original_glrlm_GrayLevelNonUniformity	0.000
original_glrlm_GrayLevelNonUniformityNormalized	0.000
original_glrlm_GrayLevelVariance	0.000
original_glrlm_HighGrayLevelRunEmphasis	0.000
original_glrlm_LongRunEmphasis	0.000
original_glrlm_LongRunHighGrayLevelEmphasis	0.000
original_glrlm_LongRunLowGrayLevelEmphasis	0.000
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000

. Official Champi	C3 101 ti 10 3ti
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	p
original_firstorder_10Percentile	1.000
original_firstorder_90Percentile	1.000
original_firstorder_Energy	1.000
original_firstorder_Entropy	0.999
original_firstorder_InterquartileRange	0.999
original_firstorder_Kurtosis	1.000
original_firstorder_Maximum	0.999
original_firstorder_Mean	0.997
original_firstorder_MeanAbsoluteDeviation	0.999
original_firstorder_Median	0.998
original_firstorder_Minimum	0.998
original_firstorder_Range	0.997
original_firstorder_RobustMeanAbsoluteDeviation	0.999
original_firstorder_RootMeanSquared	1.000
original_firstorder_Skewness	1.000
original_firstorder_TotalEnergy	1.000
original_firstorder_Uniformity	1.000
original_firstorder_Variance	1.000
original_glcm_Autocorrelation	1.000
original_glcm_ClusterProminence	1.000
original_glcm_ClusterShade	1.000 0.999
original_glcm_ClusterTendency	
original_glcm_Contrast	1.000
original_glcm_Correlation	1.000
original_glcm_DifferenceAverage	1.000
<pre>original_glcm_DifferenceEntropy original_glcm_DifferenceVariance</pre>	1.000
	1.000
original_glcm_Id original_glcm_Idm	1.000
	1.000
original_glcm_Idm	1.000
<pre>original_glcm_Idn original_glcm_Imc1</pre>	1.000 1.000
original_glcm_Imc2	
original_glcm_InverseVariance	1.000 1.000
original_glcm_Inversevariance original_glcm_JointAverage	
original_glcm_JointEnergy	1.000 1.000
original_glcm_JointEntropy	1.000
original_glcm_MCC	1.000
original_glcm_MaximumProbability	1.000
original_glcm_MaximumProbability original_glcm_SumAverage	1.000
original_glcm_SumEntropy	1.000
original_glcm_SumSquares	1.000
original_gldm_DependenceEntropy	1.000
original_gldm_DependenceNonUniformity	1.000
original_gldm_DependenceNonUniformityNormalized	1.000
original_gldm_DependenceVariance	1.000
o. 151101_51011_peperiocitectal funce	1.000

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oniginal aldm ChaylovalNorthrifonmity	1 000
original_gldm_GrayLevelNonUniformity	1.000
original_gldm_GrayLevelVariance	1.000
original_gldm_HighGrayLevelEmphasis	1.000
original_gldm_LargeDependenceEmphasis	1.000
$original\_gldm\_Large Dependence High Gray Level Emphasis$	1.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000
original_gldm_LowGrayLevelEmphasis	1.000
original_gldm_SmallDependenceEmphasis	1.000
<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	1.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000
original_glrlm_GrayLevelNonUniformity	1.000
original_glrlm_GrayLevelNonUniformityNormalized	1.000
original_glrlm_GrayLevelVariance	1.000
original_glrlm_HighGrayLevelRunEmphasis	1.000
	1.000
original_glrlm_LongRunLighCnavlovelEmphasis	
original_glrlm_LongRunHighGrayLevelEmphasis	1.000
original_glrlm_LongRunLowGrayLevelEmphasis	1.000
original_glrlm_LowGrayLevelRunEmphasis	1.000
original_glrlm_RunEntropy	1.000
original_glrlm_RunLengthNonUniformity	1.000
original_glrlm_RunLengthNonUniformityNormalized	1.000
original_glrlm_RunPercentage	1.000
original_glrlm_RunVariance	1.000
original_glrlm_ShortRunEmphasis	1.000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000
original_glszm_GrayLevelNonUniformity	1.000
original_glszm_GrayLevelNonUniformityNormalized	1.000
original_glszm_GrayLevelVariance	1.000
original_glszm_HighGrayLevelZoneEmphasis	1.000
original glszm LargeAreaEmphasis	1.000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000
original glszm LowGrayLevelZoneEmphasis	1.000
original_glszm_SizeZoneNonUniformity	1.000
original_glszm_SizeZoneNonUniformityNormalized	1.000
original_glszm_SmallAreaEmphasis	1.000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000
original_glszm_ZoneEntropy	1.000
original_glszm_ZonePercentage	1.000
original_glszm_ZoneVariance	1.000
	1.000
original_ngtdm_Busyness	1.000
original_ngtdm_Coarseness	
original_ngtdm_Complexity	1.000
original_ngtdm_Contrast	1.000
original_ngtdm_Strength	1.000
original_shape_Elongation	1.000
original_shape_Flatness	1.000
original_shape_LeastAxisLength	1.000
original_shape_MajorAxisLength	1.000
original_shape_Maximum2DDiameterColumn	1.000
original_shape_Maximum2DDiameterRow	1.000
original_shape_Maximum2DDiameterSlice	1.000
original_shape_Maximum3DDiameter	1.000
original_shape_MeshVolume	1.000

```
original shape MinorAxisLength
                                                    1.000
original shape Sphericity
                                                    1.000
original shape SurfaceArea
                                                    1.000
original shape SurfaceVolumeRatio
                                                    1.000
original_shape_VoxelVolume
                                                    1.000
Likelihood ratio test=6.27 on 107 df, p=1
n= 25, number of events= 1
$model_list[[2]]$coxmodels[[6]]
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                      6.019e+03
original firstorder 90Percentile
                                                     -3.910e+03
original_firstorder_Energy
                                                      1.070e+03
original_firstorder_Entropy
                                                      5.637e+02
original firstorder InterquartileRange
                                                     -2.213e+04
original firstorder Kurtosis
                                                      9.706e+01
original_firstorder_Maximum
                                                      9.634e+01
original_firstorder_Mean
                                                      3.740e+03
original firstorder MeanAbsoluteDeviation
                                                      2.608e+02
original_firstorder_Median
                                                     -2.584e+03
original_firstorder_Minimum
                                                      1.058e+03
original firstorder Range
                                                      0.000e+00
original firstorder RobustMeanAbsoluteDeviation
                                                      2.875e+04
original_firstorder_RootMeanSquared
                                                      9.857e+01
original_firstorder_Skewness
                                                      2.328e+02
original_firstorder_TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                     -2.054e+03
                                                      8.906e+04
original_firstorder_Variance
original_glcm_Autocorrelation
                                                      3.800e+04
original glcm ClusterProminence
                                                     -6.010e+05
original_glcm_ClusterShade
                                                     -6.609e+04
original_glcm_ClusterTendency
                                                      1.697e+04
original glcm Contrast
                                                     -3.334e+05
original_glcm_Correlation
                                                      2.248e+02
original_glcm_DifferenceAverage
                                                      2.808e+04
original_glcm_DifferenceEntropy
                                                     -3.404e+03
original glcm DifferenceVariance
                                                      2.873e+05
original glcm Id
                                                      3.876e+04
original glcm Idm
                                                     -3.035e+04
original glcm Idmn
                                                      1.873e+03
original_glcm Idn
                                                     -1.160e+03
original glcm Imc1
                                                      4.841e+02
original glcm Imc2
                                                      2.484e+02
original glcm InverseVariance
                                                      4.157e+03
original glcm JointAverage
                                                     -3.787e+02
original glcm JointEnergy
                                                      8.312e+02
original_glcm_JointEntropy
                                                     -4.448e+03
original glcm MCC
                                                     -3.761e+01
original_glcm_MaximumProbability
                                                      6.332e+02
original_glcm_SumAverage
                                                      0.000e+00
```

original_glcm_SumEntropy	2.709e+03
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	6.023e+02
original_gldm_DependenceNonUniformity	-1.038e+03
original_gldm_DependenceNonUniformityNormalized	5.275e+02
original_gldm_DependenceVariance	3.715e+02
original_gldm_GrayLevelNonUniformity	-2.113e+02
original_gldm_GrayLevelVariance	-7.792e+04
	-1.090e+04
<pre>original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis</pre>	-3.639e+04
original_gldm_LargeDependenceHighGrayLevelEmphasis	-1.725e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	-3.213e+02
original_gldm_LowGrayLevelEmphasis	-1.331e+04
original_gldm_SmallDependenceEmphasis	1.793e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	-3.396e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	-5.282e+02
original_glrlm_GrayLevelNonUniformity	4.709e+02
original_glrlm_GrayLevelNonUniformityNormalized	1.149e+03
original_glrlm_GrayLevelVariance	-2.020e+04
original_glrlm_HighGrayLevelRunEmphasis	-2.560e+04
original_glrlm_LongRunEmphasis	1.164e+03
original_glrlm_LongRunHighGrayLevelEmphasis	4.087e+02
original_glrlm_LongRunLowGrayLevelEmphasis	-1.043e+03
original_glrlm_LowGrayLevelRunEmphasis	1.403e+04
original_glrlm_RunEntropy	-6.775e+01
original_glrlm_RunLengthNonUniformity	5.114e+02
original_glrlm_RunLengthNonUniformityNormalized	1.450e+01
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	-9.098e+02
original_glrlm_ShortRunEmphasis	-5.656e+01
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	-3.143e+02
original_glszm_GrayLevelNonUniformityNormalized	-3.789e+01
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	3.843e+01
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	-1.455e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.492e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	-4.801e+01
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	1.267e+02
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	0.000e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	-4.376e+00

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original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	-6.949e+01
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
original_shape_voxervorume	exp(coef)
oniginal finctondon 10Doncontilo	Inf
<pre>original_firstorder_10Percentile original_firstorder_90Percentile</pre>	0.000e+00
	Inf
original_firstorder_Energy	
original_firstorder_Entropy	6.373e+244
original_firstorder_InterquartileRange	0.000e+00
original_firstorder_Kurtosis	1.416e+42
original_firstorder_Maximum	6.925e+41
original_firstorder_Mean	Inf
original_firstorder_MeanAbsoluteDeviation	1.792e+113
original_firstorder_Median	0.000e+00
original_firstorder_Minimum	Inf
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	6.430e+42
original_firstorder_Skewness	1.232e+101
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	0.000e+00
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	Inf
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	4.315e+97
original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	0.000e+00
original_glcm_DifferenceVariance	Inf
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	Inf
original_glcm_Idn	0.000e+00
original_glcm_Imc1	1.809e+210
original_glcm_Imc2	7.397e+107
original_glcm_InverseVariance	Inf
original_glcm_JointAverage	3.539e-165
original_glcm_JointEnergy	Inf
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	4.619e-17
original_glcm_MaximumProbability	9.435e+274
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	Inf
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	3.841e+261
original_gldm_DependenceNonUniformity	0.000e+00

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original_gldm_DependenceNonUniformityNormalized	1.285e+229
original_gldm_DependenceVariance	2.129e+161
original_gldm_GrayLevelNonUniformity	1.660e-92
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	9.407e-159
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.212e-75
original_gldm_LargeDependenceLowGrayLevelEmphasis	3.032e-140
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	7.422e+77
original_gldm_SmallDependenceHighGrayLevelEmphasis	3.150e-148
original_gldm_SmallDependenceLowGrayLevelEmphasis	4.200e-230
original_glrlm_GrayLevelNonUniformity	3.144e+204
original_glrlm_GrayLevelNonUniformityNormalized	Inf
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	Inf
original_glrlm_LongRunHighGrayLevelEmphasis	3.037e+177
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	Inf
original_glrlm_RunEntropy	3.778e-30
original_glrlm_RunLengthNonUniformity	1.215e+222
original_glrlm_RunLengthNonUniformityNormalized	1.982e+06
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	2.742e-25
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	3.077e-137
original_glszm_GrayLevelNonUniformityNormalized	3.500e-17
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	4.888e+16
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	2.335e-01
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	4.447e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.412e-21
original_glszm_ZoneEntropy	1.412e-21 1.000e+00
	1.000e+00
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.086e+55
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	1.000e+00
original_shape_Flatness	1.000e+00
original_shape_LeastAxisLength	1.258e-02
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	6.617e-31

original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
 	se(coef)
original_firstorder_10Percentile	1.616e+03
original_firstorder_90Percentile	1.382e+03
original_firstorder_Energy	4.140e+03
original_firstorder_Entropy	5.875e+02
original_firstorder_InterquartileRange	2.291e+03
original_firstorder_Kurtosis	7.717e+02
	1.014e+03
original_firstorder_Maximum	
original_firstorder_Mean	1.040e+03
original_firstorder_MeanAbsoluteDeviation	1.419e+03
original_firstorder_Median	9.660e+02
original_firstorder_Minimum	3.089e+02
original_firstorder_Range	4.579e+02
original_firstorder_RobustMeanAbsoluteDeviation	2.170e+03
original_firstorder_RootMeanSquared	1.870e+03
original_firstorder_Skewness	6.636e+02
original_firstorder_TotalEnergy	4.140e+03
original_firstorder_Uniformity	4.355e+02
original_firstorder_Variance	4.950e+03
original_glcm_Autocorrelation	3.443e+02
original_glcm_ClusterProminence	1.520e+05
original_glcm_ClusterShade	1.842e+04
original_glcm_ClusterTendency	6.274e+03
original_glcm_Contrast	8.379e+03
original_glcm_Correlation	6.804e+02
original_glcm_DifferenceAverage	9.819e+02
original_glcm_DifferenceEntropy	6.301e+02
original_glcm_DifferenceVariance	9.500e+03
original_glcm_Id	6.253e+02
original_glcm_Idm	6.385e+02
original_glcm_Idmn	6.700e+02
original_glcm_Idn	5.042e+02
original_glcm_Imc1	9.616e+02
original_glcm_Imc2	7.095e+02
original_glcm_InverseVariance	6.542e+02
original_glcm_JointAverage	3.056e+02
original_glcm_JointEnergy	3.936e+02
original_glcm_JointEntropy	5.663e+02
original_glcm_MCC	6.737e+02
original_glcm_MaximumProbability	4.253e+02
original_glcm_SumAverage	3.056e+02
original_glcm_SumEntropy	5.516e+02
original_glcm_SumSquares	6.692e+03
original_gldm_DependenceEntropy	6.884e+02
original_gldm_DependenceNonUniformity	6.791e+02
original_gldm_DependenceNonUniformityNormalized	1.599e+03
original_gldm_DependenceVariance	1.497e+03
original_gldm_GrayLevelNonUniformity	8.761e+02
original_gldm_GrayLevelVariance	4.931e+03
3	112320103

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'-	72025, 11.51 Simulated examples for	tile sui vivai elis
	original_gldm_HighGrayLevelEmphasis	3.444e+02
	original_gldm_LargeDependenceEmphasis	1.190e+03
	original_gldm_LargeDependenceHighGrayLevelEmphasis	1.511e+03
	original_gldm_LargeDependenceLowGrayLevelEmphasis	2.278e+03
	original_gldm_LowGrayLevelEmphasis	5.304e+02
	original_gldm_SmallDependenceEmphasis	5.341e+02
	original_gldm_SmallDependenceHighGrayLevelEmphasis	4.214e+02
	original_gldm_SmallDependenceLowGrayLevelEmphasis	3.320e+02
	original_glrlm_GrayLevelNonUniformity	6.219e+02
	original_glrlm_GrayLevelNonUniformityNormalized	4.430e+02
	original_glrlm_GrayLevelVariance	4.101e+03
	original_glrlm_HighGrayLevelRunEmphasis	3.414e+02
	original_glrlm_LongRunEmphasis	7.978e+02
	original_glrlm_LongRunHighGrayLevelEmphasis	6.617e+02
	original_glrlm_LongRunLowGrayLevelEmphasis	6.607e+02
	original_glrlm_LowGrayLevelRunEmphasis	4.982e+02
	original_glrlm_RunEntropy	7.765e+02
	original_glrlm_RunLengthNonUniformity	4.840e+02
	original_glrlm_RunLengthNonUniformityNormalized	1.176e+03
	original_glrlm_RunPercentage	1.053e+03
	original_glrlm_RunVariance	8.169e+02
	original_glrlm_ShortRunEmphasis	1.080e+03
	original_glrlm_ShortRunHighGrayLevelEmphasis	3.034e+02
	original_glrlm_ShortRunLowGrayLevelEmphasis	4.407e+02
	original_glszm_GrayLevelNonUniformity	3.090e+02
	original_glszm_GrayLevelNonUniformityNormalized	5.737e+02
	original_glszm_GrayLevelVariance	1.386e+03
	original_glszm_HighGrayLevelZoneEmphasis	3.204e+02
	original_glszm_LargeAreaEmphasis	9.329e+02
	original_glszm_LargeAreaHighGrayLevelEmphasis	1.579e+03
	original_glszm_LargeAreaLowGrayLevelEmphasis	3.394e+03
	original_glszm_LowGrayLevelZoneEmphasis	3.934e+02
	original_glszm_SizeZoneNonUniformity	8.446e+02
	original_glszm_SizeZoneNonUniformityNormalized	1.571e+03
	original_glszm_SmallAreaEmphasis	1.527e+03
	original_glszm_SmallAreaHighGrayLevelEmphasis	4.082e+02
	original_glszm_SmallAreaLowGrayLevelEmphasis	3.043e+02
	original_glszm_ZoneEntropy	4.284e+02
	original_glszm_ZonePercentage	5.047e+02
	original_glszm_ZoneVariance	9.351e+02
	original_ngtdm_Busyness	1.981e+03
	original_ngtdm_Coarseness	5.136e+02
	original_ngtdm_Complexity	2.140e+03
	original_ngtdm_Contrast	5.730e+03
	original_ngtdm_Strength	1.631e+03
	original_shape_Elongation	8.131e+02
	original_shape_Flatness	1.445e+03
	original_shape_LeastAxisLength	6.003e+02
	original_shape_MajorAxisLength	4.309e+02
	original_shape_Maximum2DDiameterColumn	4.485e+02
	original_shape_Maximum2DDiameterRow	1.307e+03
	original_shape_Maximum2DDiameterSlice	4.960e+02
	original_shape_Maximum3DDiameter	5.668e+02
	original_shape_MeshVolume	9.042e+02
	original_shape_MinorAxisLength	7.015e+02
	original_shape_Sphericity	1.293e+03

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	original_shape_SurfaceArea	4.057e+02
	original_shape_SurfaceVolumeRatio	1.303e+03
	original_shape_VoxelVolume	8.775e+02
		z
	original_firstorder_10Percentile	3.725
	original_firstorder_90Percentile	-2.829
	original_firstorder_Energy	0.258
	original_firstorder_Entropy	0.959
	original_firstorder_InterquartileRange	-9.659
	original_firstorder_Kurtosis	0.126
	original_firstorder_Maximum	0.095
	original_firstorder_Mean	3.597
	original_firstorder_MeanAbsoluteDeviation	0.184
	original_firstorder_Median	-2.675
	original_firstorder_Minimum	3.426
	original_firstorder_Range	0.000
	original_firstorder_RobustMeanAbsoluteDeviation	13.249
	original_firstorder_RootMeanSquared	0.053
	original_firstorder_Skewness	0.351
	original_firstorder_TotalEnergy	0.000
	original_firstorder_Uniformity	-4.717
	original_firstorder_Variance	17.993
	original_glcm_Autocorrelation	110.372
	original_glcm_ClusterProminence	-3.953
	original_glcm_ClusterShade	-3.588
	original_glcm_ClusterTendency	2.704
	original_glcm_Contrast	-39.790
	original_glcm_Correlation	0.330
	original_glcm_DifferenceAverage	28.593
	original_glcm_DifferenceEntropy	-5.403
	original_glcm_DifferenceVariance	30.238
	original_glcm_Id	61.989
	original_glcm_Idm	-47.538
	original_glcm_Idmn	2.795
	original_glcm_Idn	-2.301
	original_glcm_Imc1	0.503
	original_glcm_Imc2	0.350
	original_glcm_InverseVariance	6.354
	original_glcm_JointAverage	-1.239
	original_glcm_JointEnergy	2.112
	original_glcm_JointEntropy	-7.855
	original_glcm_MCC	-0.056
	original_glcm_MaximumProbability	1.489
	original_glcm_SumAverage	0.000
	original_glcm_SumEntropy	4.911
	original_glcm_SumSquares	0.000
	original_gldm_DependenceEntropy	0.875
		-1.529
	original_gldm_DependenceNonUniformity	0.330
	original_gldm_DependenceNonUniformityNormalized	
	original_gldm_DependenceVariance	0.248
	original_gldm_GrayLevelNonUniformity	-0.241
	original_gldm_GrayLevelVariance	-15.802
	original_gldm_HighGrayLevelEmphasis	-31.640
	original_gldm_LargeDependenceEmphasis	-0.306
	original_gldm_LargeDependenceHighGrayLevelEmphasis	
	original_gldm_LargeDependenceLowGrayLevelEmphasis	-0.141
-		

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ď	4/2025, 11.51 Simulated examples	ioi ille surviva
	original_gldm_LowGrayLevelEmphasis	-25.099
	original_gldm_SmallDependenceEmphasis	0.336
	$original\_gldm\_SmallDependence High Gray Level Emphasis$	-0.806
	<pre>original_gldm_SmallDependenceLowGrayLevelEmphasis</pre>	-1.591
	original_glrlm_GrayLevelNonUniformity	0.757
	original_glrlm_GrayLevelNonUniformityNormalized	2.594
	original_glrlm_GrayLevelVariance	-4.926
	original_glrlm_HighGrayLevelRunEmphasis	-74.980
	original glrlm LongRunEmphasis	1.459
	original_glrlm_LongRunHighGrayLevelEmphasis	0.618
	original_glrlm_LongRunLowGrayLevelEmphasis	-1.578
	original_glrlm_LowGrayLevelRunEmphasis	28.168
	original_glrlm_RunEntropy	-0.087
	original_glrlm_RunLengthNonUniformity	1.057
	original_glrlm_RunLengthNonUniformityNormalized	0.012
	original_glrlm_RunPercentage	0.000
	original_glrlm_RunVariance	-1.114
	original_glrlm_ShortRunEmphasis	-0.052
	original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
	original glrlm ShortRunLowGrayLevelEmphasis	0.000
	original_glszm_GrayLevelNonUniformity	-1.017
	original_glszm_GrayLevelNonUniformityNormalized	-0.066
	original_glszm_GrayLevelVariance	0.000
	original_glszm_HighGrayLevelZoneEmphasis	0.120
	original_glszm_LargeAreaEmphasis	0.000
	original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
	original_glszm_LowGrayLevelZoneEmphasis	0.000
	original_glszm_SizeZoneNonUniformity	0.000
	original_glszm_SizeZoneNonUniformityNormalized	0.001
	original_glszm_SmallAreaEmphasis	0.000
	original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
	original_glszm_SmallAreaLowGrayLevelEmphasis	-0.158
	original_glszm_ZoneEntropy	0.000
	original_glszm_ZonePercentage	0.000
	original_glszm_ZoneVariance	0.000
	original_ngtdm_Busyness	0.000
	original_ngtdm_Coarseness	0.000
	original_ngtdm_Complexity	0.000
	original_ngtdm_Contrast	0.022
	original_ngtdm_Strength	0.000
	original_shape_Elongation	0.000
	original_shape_Flatness	0.000
	original_shape_LeastAxisLength	-0.007
	original_shape_MajorAxisLength	0.000
	original_shape_Maximum2DDiameterColumn	0.000
	original_shape_Maximum2DDiameterRow	0.000
	original_shape_Maximum2DDiameterSlice	-0.140
	original_shape_Maximum3DDiameter	0.000
	original_shape_MeshVolume	0.000
	original_shape_MinorAxisLength	0.000
	original_shape_Sphericity	0.000
	original_shape_SurfaceArea	0.000
	original_shape_SurfaceVolumeRatio	0.000
	original_shape_VoxelVolume	0.000
	<del>.</del>	р
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J	4/2023, 11:51 Simulated examples	for the surviva
	original_firstorder_10Percentile	0.000195
	original_firstorder_90Percentile	0.004664
l	original_firstorder_Energy	0.796098
	original_firstorder_Entropy	0.337341
	original_firstorder_InterquartileRange	< 2e-16
l	original_firstorder_Kurtosis	0.899918
l	original_firstorder_Maximum	0.924334
	original_firstorder_Mean	0.000322
	original firstorder MeanAbsoluteDeviation	0.854172
	original_firstorder_Median	0.007464
	original_firstorder_Minimum	0.000613
l	original_firstorder_Range	1.000000
l	original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
l	original_firstorder_RootMeanSquared	0.957954
l	original_firstorder_Skewness	0.725771
l	original_firstorder_TotalEnergy	1.000000
	original_firstorder_Uniformity	2.39e-06
l	original_firstorder_Variance	< 2e-16
	original_glcm_Autocorrelation	< 2e-16
l	original_glcm_ClusterProminence	7.73e-05
	original_glcm_ClusterFlomInence	0.000334
l	original_glcm_ClusterTendency	0.006846
l		
l	original_glcm_Contrast	< 2e-16
	original_glcm_Correlation	0.741105
	original_glcm_DifferenceAverage	< 2e-16
	original_glcm_DifferenceEntropy	6.55e-08
	original_glcm_DifferenceVariance	< 2e-16
	original_glcm_Id	< 2e-16
	original_glcm_Idm	< 2e-16
	original_glcm_Idmn	0.005193
	original_glcm_Idn	0.021407
	original_glcm_Imc1	0.614626
	original_glcm_Imc2	0.726293
l	original_glcm_InverseVariance	2.10e-10
	original_glcm_JointAverage	0.215328
	original_glcm_JointEnergy	0.034719
	original_glcm_JointEntropy	4.00e-15
	original_glcm_MCC	0.955476
l	original_glcm_MaximumProbability	0.136534
	original_glcm_SumAverage	1.000000
	original_glcm_SumEntropy	9.05e-07
	original_glcm_SumSquares	1.000000
	original_gldm_DependenceEntropy	0.381572
l	original_gldm_DependenceNonUniformity	0.126207
	original_gldm_DependenceNonUniformityNormalized	0.741411
	original_gldm_DependenceVariance	0.804059
	original_gldm_GrayLevelNonUniformity	0.809377
	original_gldm_GrayLevelVariance	< 2e-16
	original_gldm_HighGrayLevelEmphasis	< 2e-16
	original_gldm_LargeDependenceEmphasis	0.759808
	$original\_gldm\_LargeDependence High Gray Level Emphas is$	0.909088
	original_gldm_LargeDependenceLowGrayLevelEmphasis	0.887828
	original_gldm_LowGrayLevelEmphasis	< 2e-16
	original_gldm_SmallDependenceEmphasis	0.737099
	$original\_gldm\_SmallDependence High Gray Level Emphasis$	0.420218
	original_gldm_SmallDependenceLowGrayLevelEmphasis	0.111657
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original_glrlm_GrayLevelNonUniformity	0.448928
original_glrlm_GrayLevelNonUniformityNormalized	0.009473
original_glrlm_GrayLevelVariance	8.37e-07
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	0.144604
original_glrlm_LongRunHighGrayLevelEmphasis	0.536845
original_glrlm_LongRunLowGrayLevelEmphasis	0.114519
original_glrlm_LowGrayLevelRunEmphasis	< 2e-16
original_glrlm_RunEntropy	0.930477
original_glrlm_RunLengthNonUniformity	0.290705
original_glrlm_RunLengthNonUniformityNormalized	0.990164
original_glrlm_RunPercentage	1.000000
original_glrlm_RunVariance	0.265381
original_glrlm_ShortRunEmphasis	0.958237
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000000
original_glszm_GrayLevelNonUniformity	0.309113
original_glszm_GrayLevelNonUniformityNormalized	0.947338
original_glszm_GrayLevelVariance	1.000000
original_glszm_HighGrayLevelZoneEmphasis	0.904519
original_glszm_LargeAreaEmphasis	1.000000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.999658
original_glszm_LowGrayLevelZoneEmphasis	1.000000
original_glszm_SizeZoneNonUniformity	1.000000
original_glszm_SizeZoneNonUniformityNormalized	0.999242
original_glszm_SmallAreaEmphasis	1.000000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.874634
original_glszm_ZoneEntropy	1.000000
original_glszm_ZonePercentage	1.000000
original_glszm_ZoneVariance	1.000000
original_ngtdm_Busyness	1.000000
original_ngtdm_Coarseness	1.000000
original_ngtdm_Complexity	1.000000
original_ngtdm_Contrast	0.982356
original_ngtdm_contrast	1.000000
original_shape_Elongation	1.000000
original_shape_Flatness	1.000000
original_shape_LeastAxisLength	0.994185
original_shape_LeastAxisLength	1.000000
original_shape_Maximum2DDiameterColumn	1.000000
	1.000000
original_shape_Maximum2DDiameterRow	0.888588
original_shape_Maximum2DDiameterSlice	
original_shape_Maximum3DDiameter	1.000000
original_shape_MeshVolume	
original_shape_MinorAxisLength	1.000000
original_shape_Sphericity	1.000000
original_shape_SurfaceArea	1.000000
original_shape_SurfaceVolumeRatio	1.000000
original_shape_VoxelVolume	1.000000

Likelihood ratio test=48.72 on 107 df, p=1 n=61, number of events= 6

```
$model_list[[2]]$clusters
[1] 3.521561 0.837715 0.081699 0.651810 0.508052 0.887100
$model_list[[3]]
$model_list[[3]]$vimp10
           original_glrlm_LowGrayLevelRunEmphasis
                                       0.008140342
       original_glrlm_ShortRunLowGrayLevelEmphasis
                                       0.005710860
                 original_shape_Maximum3DDiameter
                                       0.005016722
       original_glrlm_LongRunHighGrayLevelEmphasis
                                       0.004322585
                       original_firstorder_Maximum
                                       0.003943964
            original_glszm_GrayLevelNonUniformity
                                       0.003723102
                                original_glcm_Idmn
                                       0.003502240
    original glszm LargeAreaHighGrayLevelEmphasis
                                       0.003502240
                original_gldm_LowGrayLevelEmphasis
                                       0.003470688
original gldm LargeDependenceHighGrayLevelEmphasis
                                       0.003312930
                         original_firstorder_Range
                                       0.003123620
                     original_glcm_Autocorrelation
                                       0.003123620
                                original_glcm_Imc2
                                       0.002934309
              original_gldm_HighGrayLevelEmphasis
                                       0.002681896
                  original_glrlm_GrayLevelVariance
                                       0.002366378
$model_list[[3]]$treemodel
n = 361
node), split, n, deviance, yval
      * denotes terminal node
1) root 361 279.682600 1.00000000
   2) original shape Maximum3DDiameter< -0.006713401 227 93.883810 0.46020150
    4) original glrlm LowGrayLevelRunEmphasis>=-0.3448694 201 66.550690 0.34387950
      8) original glrlm LowGrayLevelRunEmphasis< 0.1348958 162 29.543490 0.16865680
        16) original glrlm ShortRunLowGrayLevelEmphasis>=-0.173973 67 1.810336 0.09483208 *
       17) original glrlm ShortRunLowGrayLevelEmphasis< -0.173973 95 26.226740 0.28224980 *
       9) original glrlm LowGrayLevelRunEmphasis>=0.1348958 39 27.477830 1.10008400 *
    5) original glrlm LowGrayLevelRunEmphasis< -0.3448694 26 21.546720 1.32906000 *
   3) original shape Maximum3DDiameter>=-0.006713401 134 159.085400 2.01084900
    6) original_glrlm_LowGrayLevelRunEmphasis>=-0.3640482 80 74.611230 1.30510500
      12) original glrlm ShortRunLowGrayLevelEmphasis< -0.2425721 54 40.931580 0.96620650 *
      13) original_glrlm_ShortRunLowGrayLevelEmphasis>=-0.2425721 26 31.521380 1.89864900 *
    7) original_glrlm_LowGrayLevelRunEmphasis< -0.3640482 54 77.406370 3.03808200 *
```

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```
$model_list[[3]]$coxmodels
$model list[[3]]$coxmodels[[1]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                     -7.783e+03
original_firstorder_90Percentile
                                                      2.900e+03
original_firstorder_Energy
                                                     -3.044e+02
original_firstorder_Entropy
                                                     -9.635e+03
                                                      1.025e+03
original_firstorder_InterquartileRange
original_firstorder_Kurtosis
                                                     -6.503e+02
original_firstorder_Maximum
                                                     -2.775e+02
original firstorder Mean
                                                      3.919e+03
original firstorder MeanAbsoluteDeviation
                                                     -8.079e+03
original_firstorder_Median
                                                     -7.044e+02
original_firstorder_Minimum
                                                     -6.629e+03
original firstorder Range
                                                      0.000e+00
original firstorder RobustMeanAbsoluteDeviation
                                                     -1.534e+03
original_firstorder_RootMeanSquared
                                                     -2.250e+03
original_firstorder_Skewness
                                                      3.723e+02
original firstorder TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                     -4.662e+02
original_firstorder_Variance
                                                     -3.233e+05
original glcm Autocorrelation
                                                     -2.870e+04
original glcm ClusterProminence
                                                      7.083e+04
original_glcm_ClusterShade
                                                     -1.246e+04
original_glcm_ClusterTendency
                                                     -2.613e+04
original_glcm_Contrast
                                                     -1.782e+05
                                                     -1.778e+02
original_glcm_Correlation
original_glcm_DifferenceAverage
                                                      7.160e+04
original_glcm_DifferenceEntropy
                                                      2.598e+03
original glcm DifferenceVariance
                                                      5.503e+04
original_glcm_Id
                                                      3.571e+05
original_glcm_Idm
                                                     -2.958e+05
original glcm Idmn
                                                      1.717e+02
original glcm Idn
                                                      1.700e+02
original glcm Imc1
                                                     -2.846e+03
original_glcm_Imc2
                                                     -2.392e+03
original glcm InverseVariance
                                                      3.268e+04
original_glcm_JointAverage
                                                      5.159e+03
original glcm JointEnergy
                                                      7.339e+02
original glcm JointEntropy
                                                      6.291e+03
                                                      4.623e+02
original glcm MCC
original glcm MaximumProbability
                                                     -7.893e+02
original glcm SumAverage
                                                      0.000e+00
original glcm SumEntropy
                                                      4.013e+03
original glcm SumSquares
                                                      0.000e+00
original gldm DependenceEntropy
                                                     -2.509e+03
original_gldm_DependenceNonUniformity
                                                     -6.239e+01
original gldm DependenceNonUniformityNormalized
                                                     -2.356e+03
original_gldm_DependenceVariance
                                                     -1.341e+01
original_gldm_GrayLevelNonUniformity
                                                     -4.099e+02
```

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original_gldm_GrayLevelVariance	3.558e+05
original_gldm_HighGrayLevelEmphasis	1.860e+04
original_gldm_LargeDependenceEmphasis	-7.731e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	3.887e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	8.229e+04
original_gldm_LowGrayLevelEmphasis	-5.889e+04
original_gldm_SmallDependenceEmphasis	-5.838e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	4.885e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	4.759e+03
original_glrlm_GrayLevelNonUniformity	5.794e+02
original_glrlm_GrayLevelNonUniformityNormalized	1.934e+02
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	-3.362e+01
original_glszm_GrayLevelVariance	-1.963e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	-1.392e+02
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	2.525e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	-1.207e+02
original_shape_Maximum2DDiameterColumn	6.563e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	-1.996e+01
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original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	0.000e+00
original_firstorder_90Percentile	Inf
original_firstorder_Energy	6.145e-133
original_firstorder_Entropy	0.000e+00
original_firstorder_InterquartileRange	Inf
original_firstorder_Kurtosis	3.718e-283
original_firstorder_Maximum	2.925e-121
original_firstorder_Mean	Inf
original_firstorder_MeanAbsoluteDeviation	0.000e+00
original_firstorder_Median	1.271e-306
original_firstorder_Minimum	0.000e+00
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
original_firstorder_RootMeanSquared	0.000e+00
original_firstorder_Skewness	4.865e+161
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	3.516e-203
original_firstorder_Uniformity original_firstorder_Variance	0.000e+00
	0.000e+00
original_glcm_Autocorrelation	
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	5.890e-78
original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	Inf
original_glcm_DifferenceVariance	Inf
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	3.539e+74
original_glcm_Idn	6.744e+73
original_glcm_Imc1	0.000e+00
original_glcm_Imc2	0.000e+00
original_glcm_InverseVariance	Inf
original_glcm_JointAverage	Inf
original_glcm_JointEnergy	Inf
original_glcm_JointEntropy	Inf
original_glcm_MCC	6.211e+200
original_glcm_MaximumProbability	0.000e+00
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	Inf
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	0.000e+00
original_gldm_DependenceNonUniformity	8.044e-28
$original\_gldm\_Dependence Non Uniformity Normalized$	0.000e+00
original_gldm_DependenceVariance	1.505e-06
original_gldm_GrayLevelNonUniformity	9.155e-179
original_gldm_GrayLevelVariance	Inf
original_gldm_HighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceEmphasis	0.000e+00
$original\_gldm\_LargeDependence High Gray Level Emphasis$	Inf

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	original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
	original_gldm_LowGrayLevelEmphasis	0.000e+00
	original_gldm_SmallDependenceEmphasis	2.948e-254
	original_gldm_SmallDependenceHighGrayLevelEmphasi	.s 1.373e+212
	original_gldm_SmallDependenceLowGrayLevelEmphasis	
	original_glrlm_GrayLevelNonUniformity	4.229e+251
	original_glrlm_GrayLevelNonUniformityNormalized	9.674e+83
	original_glrlm_GrayLevelVariance	1.000e+00
	original glrlm HighGrayLevelRunEmphasis	1.000e+00
	original_glrlm_LongRunEmphasis	1.000e+00
	original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
	original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
	original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
	original_glrlm_RunEntropy	1.000e+00
	original_glrlm_RunLengthNonUniformity	1.000e+00
	original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
	original_glrlm_RunPercentage	1.000e+00
	original_glrlm_RunVariance	1.000e+00
	original_glrlm_ShortRunEmphasis	1.000e+00
	original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
	original_glrlm_ShortRunLowGrayLevelEmphasis	
		1.000e+00
	original_glszm_GrayLevelNonUniformity	1.000e+00
	original_glszm_GrayLevelNonUniformityNormalized	2.503e-15
	original_glszm_GrayLevelVariance	1.404e-01
	original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
	original_glszm_LargeAreaEmphasis	1.000e+00
	original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
	original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
	original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
	original_glszm_SizeZoneNonUniformity	1.000e+00
	original_glszm_SizeZoneNonUniformityNormalized	3.406e-61
	original_glszm_SmallAreaEmphasis	1.000e+00
	original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
	original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
	original_glszm_ZoneEntropy	1.000e+00
	original_glszm_ZonePercentage	1.000e+00
	original_glszm_ZoneVariance	1.000e+00
	original_ngtdm_Busyness	1.000e+00
	original_ngtdm_Coarseness	1.000e+00
	original_ngtdm_Complexity	1.000e+00
	original_ngtdm_Contrast	1.000e+00
	original_ngtdm_Strength	1.000e+00
	original_shape_Elongation	1.249e+01
	original_shape_Flatness	1.000e+00
	original_shape_LeastAxisLength	1.000e+00
	original_shape_MajorAxisLength	3.770e-53
	original_shape_Maximum2DDiameterColumn	7.087e+02
	original_shape_Maximum2DDiameterRow	1.000e+00
	original_shape_Maximum2DDiameterSlice	1.000e+00
	original_shape_Maximum3DDiameter	1.000e+00
	original_shape_MeshVolume	1.000e+00
	original_shape_MinorAxisLength	2.145e-09
	original_shape_Sphericity	1.000e+00
	original_shape_SurfaceArea	1.000e+00
	original_shape_SurfaceVolumeRatio	1.000e+00
	original_shape_VoxelVolume	1.000e+00

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	se(coef)
original_firstorder_10Percentile	1.425e+00
original_firstorder_90Percentile	1.029e+00
original_firstorder_Energy	8.732e-01
original_firstorder_Entropy	1.462e+00
original_firstorder_InterquartileRange	7.659e+00
original_firstorder_Kurtosis	9.285e-01
original_firstorder_Maximum	1.106e+00
original_firstorder_Mean	1.066e+00
original_firstorder_MeanAbsoluteDeviation	3.737e+00
	7.089e-01
original_firstorder_Median	1.775e+00
original_firstorder_Minimum	
original_firstorder_Range	1.196e+00
original_firstorder_RobustMeanAbsoluteDeviation	5.432e+00
original_firstorder_RootMeanSquared	2.506e+00
original_firstorder_Skewness	1.242e+00
original_firstorder_TotalEnergy	8.732e-01
original_firstorder_Uniformity	2.105e+00
original_firstorder_Variance	1.103e+01
original_glcm_Autocorrelation	1.193e+00
original_glcm_ClusterProminence	1.432e+02
original_glcm_ClusterShade	1.601e+02
original_glcm_ClusterTendency	8.776e+00
original_glcm_Contrast	1.615e+01
original_glcm_Correlation	1.274e+00
original_glcm_DifferenceAverage	2.141e+00
original_glcm_DifferenceEntropy	1.487e+00
original_glcm_DifferenceVariance	1.861e+01
original_glcm_Id	1.531e+00
original_glcm_Idm	1.489e+00
original_glcm_Idmn	3.744e+00
original_glcm_Idn	1.955e+00
original_glcm_Imc1	7.540e-01
original_glcm_Imc2	1.006e+00
original_glcm_InverseVariance	2.604e+00
original_glcm_JointAverage	1.693e+00
original_glcm_JointEnergy	3.521e+00
original_glcm_JointEntropy	1.596e+00
original_glcm_MCC	1.542e+00
original_glcm_MaximumProbability	6.079e+00
original_glcm_SumAverage	1.693e+00
original_glcm_SumEntropy	1.403e+00
original_glcm_SumSquares	1.140e+01
original_gldm_DependenceEntropy	1.156e+00
original_gldm_DependenceNonUniformity	3.427e-01
original_gldm_DependenceNonUniformityNormalized	8.525e-01
original_gldm_DependenceVariance	4.986e-01
original_gldm_GrayLevelNonUniformity	3.768e-01
original_gldm_GrayLevelVariance	1.107e+01
original_gldm_HighGrayLevelEmphasis	1.185e+00
original_gldm_LargeDependenceEmphasis	5.734e-01
original_gldm_LargeDependenceHighGrayLevelEmphasis	3.844e-01
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.728e+01
original_gldm_LowGrayLevelEmphasis	1.997e+01
original_gldm_SmallDependenceEmphasis	8.994e-01
original_gldm_SmallDependenceHighGrayLevelEmphasis	9.503e-01
or 1811191 Prom 2 martinehengencent Rugi alteretriihig 12	2.3036-01

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original_gldm_SmallDependenceLowGrayLevelEmphasis	6.794e+00
original_glrlm_GrayLevelNonUniformity	3.228e-01
original_glrlm_GrayLevelNonUniformityNormalized	3.174e+00
original_glrlm_GrayLevelVariance	1.485e+01
original_glrlm_HighGrayLevelRunEmphasis	1.175e+00
original_glrlm_LongRunEmphasis	1.300e+00
original_glrlm_LongRunHighGrayLevelEmphasis	6.417e-01
original_glrlm_LongRunLowGrayLevelEmphasis	9.954e+01
original_glrlm_LowGrayLevelRunEmphasis	1.925e+01
original_glrlm_RunEntropy	9.057e-01
original_glrlm_RunLengthNonUniformity	2.633e-01
original_glrlm_RunLengthNonUniformityNormalized	5.940e-01
original_glrlm_RunPercentage	5.748e-01
original_glrlm_RunVariance	1.756e+00
original_glrlm_ShortRunEmphasis	6.070e-01
original_glrlm_ShortRunHighGrayLevelEmphasis	1.559e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.421e+01
original_glszm_GrayLevelNonUniformity	2.115e-01
original_glszm_GrayLevelNonUniformityNormalized	2.694e+00
original_glszm_GrayLevelVariance	3.535e+00
original_glszm_HighGrayLevelZoneEmphasis	1.036e+00
original_glszm_LargeAreaEmphasis	3.586e-01
original_glszm_LargeAreaHighGrayLevelEmphasis	2.361e-01
original_glszm_LargeAreaLowGrayLevelEmphasis	4.536e+00
original_glszm_LowGrayLevelZoneEmphasis	1.318e+01
original_glszm_SizeZoneNonUniformity	4.507e-01
original_glszm_SizeZoneNonUniformityNormalized	1.088e+00
original_glszm_SmallAreaEmphasis	1.190e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.094e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	9.463e+00
original_glszm_ZoneEntropy	2.490e+00
	9.993e-01
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	3.581e-01
original_ngtdm_Busyness	2.932e+00
original_ngtdm_Coarseness	8.661e+00
original_ngtdm_Complexity	5.660e+00
original_ngtdm_Contrast	1.779e+01
original_ngtdm_Strength	7.250e+00
original_shape_Elongation	1.098e+00
original_shape_Flatness	1.018e+00
original_shape_LeastAxisLength	4.340e-01
original_shape_MajorAxisLength	8.803e-01
original_shape_Maximum2DDiameterColumn	8.311e-01
original_shape_Maximum2DDiameterRow	5.975e-01
original_shape_Maximum2DDiameterSlice	5.699e-01
original_shape_Maximum3DDiameter	5.221e-01
original_shape_MeshVolume	3.117e-01
original_shape_MinorAxisLength	5.665e-01
original_shape_Sphericity	7.890e-01
original_shape_SurfaceArea	2.231e-01
original_shape_SurfaceVolumeRatio	6.231e-01
original_shape_VoxelVolume	3.118e-01
	Z
original_firstorder_10Percentile	-5.461e+03
original_firstorder_90Percentile	2.817e+03
original_firstorder_Energy	-3.486e+02
I	

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i	original_firstorder_Entropy	-6.589e+03
	original_firstorder_InterquartileRange	1.339e+02
	original_firstorder_Kurtosis	-7.004e+02
	original_firstorder_Maximum	-2.510e+02
	original_firstorder_Mean	3.676e+03
	original_firstorder_MeanAbsoluteDeviation	-2.162e+03
	original_firstorder_Median	-9.936e+02
	original_firstorder_Minimum	-3.735e+03
	original_firstorder_Range	0.000e+00
	original_firstorder_RobustMeanAbsoluteDeviation	-2.824e+02
	original_firstorder_RootMeanSquared	-8.979e+02
	original_firstorder_Skewness	2.998e+02
		0.000e+00
	original_firstorder_TotalEnergy	-2.214e+02
	original_firstorder_Uniformity	-2.214e+02 -2.932e+04
	original_firstorder_Variance	-2.932e+04 -2.407e+04
	original_glcm_Autocorrelation	
	original_glcm_ClusterProminence	4.948e+02
	original_glcm_ClusterShade	-7.782e+01
	original_glcm_ClusterTendency	-2.977e+03
	original_glcm_Contrast	-1.104e+04
	original_glcm_Correlation	-1.396e+02
	original_glcm_DifferenceAverage	3.345e+04
ı	original_glcm_DifferenceEntropy	1.747e+03
	original_glcm_DifferenceVariance	2.957e+03
	original_glcm_Id	2.333e+05
	original_glcm_Idm	-1.986e+05
	original_glcm_Idmn	4.584e+01
	original_glcm_Idn	8.697e+01
	original_glcm_Imc1	-3.775e+03 -2.379e+03
ı	original_glcm_Imc2	1.255e+04
ı	<pre>original_glcm_InverseVariance original_glcm_JointAverage</pre>	3.047e+03
	original_glcm_JointEnergy	2.085e+02
	original_glcm_JointEntropy	3.941e+03
ı	original_glcm_MCC	2.998e+02
ı	original_glcm_MaximumProbability	-1.298e+02
	original_glcm_SumAverage	0.000e+00
	original_glcm_SumEntropy	2.860e+03
	original_glcm_SumSquares	0.000e+00
ı	original_gldm_DependenceEntropy	-2.171e+03
	original_gldm_DependenceNonUniformity	-1.820e+02
	original_gldm_DependenceNonUniformityNormalized	-2.764e+03
	original_gldm_DependenceVariance	-2.689e+01
ı	original_gldm_GrayLevelNonUniformity	-1.088e+03
ı	original_gldm_GrayLevelVariance	3.215e+04
	original_gldm_HighGrayLevelEmphasis	1.569e+04
	original_gldm_LargeDependenceEmphasis	-1.348e+04
	original_gldm_LargeDependenceHighGrayLevelEmphasis	1.011e+04
	original_gldm_LargeDependenceLowGrayLevelEmphasis	4.762e+03
	original_gldm_LowGrayLevelEmphasis	-2.949e+03
	original_gldm_SmallDependenceEmphasis	-6.490e+02
	original_gldm_SmallDependenceHighGrayLevelEmphasis	5.140e+02
	original_gldm_SmallDependenceLowGrayLevelEmphasis	7.004e+02
	original_glrlm_GrayLevelNonUniformity	1.795e+03
	original_glrlm_GrayLevelNonUniformityNormalized	6.093e+01
	original_glrlm_GrayLevelVariance	0.000e+00

original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
	0.000e+00
<pre>original_glrlm_RunPercentage original_glrlm_RunVariance</pre>	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	-1.248e+01
original_glszm_GrayLevelVariance	-5.550e-01
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	-1.279e+02
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	2.298e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	-1.371e+02
original_shape_Maximum2DDiameterColumn	7.897e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	-3.523e+01
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	р
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	< 2e-16
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	< 2e-16
original_firstorder_Maximum	< 2e-16

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original_firstorder_Mean	< 2e-16
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.0000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	< 2e-16
original_firstorder_TotalEnergy	1.0000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	< 2e-16
original_glcm_ClusterShade	< 2e-16
original_glcm_ClusterTendency	< 2e-16
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	< 2e-16
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	< 2e-16
original glcm_DifferenceVariance	< 2e-16
	< 2e-16
original_glcm_Id	
original_glcm_Idm	< 2e-16
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	< 2e-16
original_glcm_Imc2	< 2e-16
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	< 2e-16
original_glcm_MaximumProbability	< 2e-16
original_glcm_SumAverage	1.0000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	1.0000
original_gldm_DependenceEntropy	< 2e-16
original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	< 2e-16
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
original_gldm_LowGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceEmphasis	< 2e-16
original_gldm_SmallDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceLowGrayLevelEmphasis	< 2e-16
original_glrlm_GrayLevelNonUniformity	< 2e-16
original_glrlm_GrayLevelNonUniformityNormalized	< 2e-16
original_glrlm_GrayLevelVariance	1.0000
original_glrlm_HighGrayLevelRunEmphasis	1.0000
original_glrlm_LongRunEmphasis	1.0000
original_glrlm_LongRunHighGrayLevelEmphasis	1.0000
original_glrlm_LongRunLowGrayLevelEmphasis	1.0000
56±a±_6±. ±tonghantondi aytevettiiipila3±3	1.0000

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```
original glrlm LowGrayLevelRunEmphasis
                                                      1.0000
original glrlm RunEntropy
                                                      1.0000
original glrlm RunLengthNonUniformity
                                                      1.0000
original glrlm RunLengthNonUniformityNormalized
                                                      1.0000
original_glrlm_RunPercentage
                                                      1.0000
original glrlm RunVariance
                                                      1.0000
original_glrlm_ShortRunEmphasis
                                                      1.0000
original_glrlm_ShortRunHighGrayLevelEmphasis
                                                      1.0000
original_glrlm_ShortRunLowGrayLevelEmphasis
                                                      1.0000
original_glszm_GrayLevelNonUniformity
                                                      1,0000
original_glszm_GrayLevelNonUniformityNormalized
                                                     < 2e-16
original_glszm_GrayLevelVariance
                                                      0.5786
original_glszm_HighGrayLevelZoneEmphasis
                                                      1.0000
original_glszm_LargeAreaEmphasis
                                                      1.0000
original glszm LargeAreaHighGrayLevelEmphasis
                                                      1.0000
original_glszm_LargeAreaLowGrayLevelEmphasis
                                                      1.0000
original glszm LowGrayLevelZoneEmphasis
                                                      1.0000
original glszm SizeZoneNonUniformity
                                                      1.0000
original glszm SizeZoneNonUniformityNormalized
                                                     < 2e-16
original glszm SmallAreaEmphasis
                                                      1.0000
original glszm SmallAreaHighGrayLevelEmphasis
                                                      1.0000
original glszm SmallAreaLowGrayLevelEmphasis
                                                      1.0000
original_glszm_ZoneEntropy
                                                      1.0000
original_glszm_ZonePercentage
                                                      1.0000
original glszm ZoneVariance
                                                      1.0000
original_ngtdm_Busyness
                                                      1.0000
original_ngtdm_Coarseness
                                                      1.0000
                                                      1.0000
original ngtdm Complexity
original ngtdm Contrast
                                                      1.0000
                                                      1.0000
original_ngtdm_Strength
original_shape_Elongation
                                                      0.0215
original_shape_Flatness
                                                      1.0000
original_shape_LeastAxisLength
                                                      1.0000
original_shape_MajorAxisLength
                                                     < 2e-16
original_shape_Maximum2DDiameterColumn
                                                    2.86e-15
original shape Maximum2DDiameterRow
                                                      1,0000
original shape Maximum2DDiameterSlice
                                                      1.0000
original shape Maximum3DDiameter
                                                      1.0000
original shape MeshVolume
                                                      1.0000
original shape MinorAxisLength
                                                     < 2e-16
original_shape_Sphericity
                                                      1.0000
original_shape_SurfaceArea
                                                      1.0000
original shape SurfaceVolumeRatio
                                                      1.0000
                                                      1.0000
original shape VoxelVolume
Likelihood ratio test=147.8 on 107 df, p=0.005531
n= 54, number of events= 20
$model_list[[3]]$coxmodels[[2]]
Call:
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                     -6.493e+03
```

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	original_firstorder_90Percentile	1.903e+03
l	original_firstorder_Energy	-1.106e+04
l	original_firstorder_Entropy	2.522e+03
	original_firstorder_InterquartileRange	3.746e+04
l	original_firstorder_Kurtosis	-2.357e+02
l	original_firstorder_Maximum	-4.537e+02
l	original_firstorder_Mean	5.741e+03
l	original_firstorder_MeanAbsoluteDeviation	5.375e+04
l	original firstorder Median	-5.501e+03
l	original_firstorder_Minimum	3.153e+03
	original_firstorder_Range	0.000e+00
	original_firstorder_RobustMeanAbsoluteDeviation	-7.680e+04
	original_firstorder_RootMeanSquared	5.751e+03
	original_firstorder_Skewness	3.381e+02
	original_firstorder_TotalEnergy	0.000e+00
	original_firstorder_Uniformity	2.115e+03
l	original_firstorder_Variance	-3.295e+05
l	original_glcm_Autocorrelation	-9.557e+03
	original_glcm_ClusterProminence	6.655e+04
l	original_glcm_ClusterShade	8.984e+04
	original_glcm_ClusterTendency	2.039e+05
	original_glcm_Contrast	-1.823e+05
	original_glcm_Correlation	-1.823e+03 -2.496e+03
	original_glcm_DifferenceAverage	2.590e+05
	original_glcm_DifferenceEntropy	7.533e+02
	original_glcm_DifferenceVariance	5.815e+04
	original_glcm_Id	1.929e+06
	original_glcm_Idm	-1.666e+06
	original_glcm_Idmn	-1.105e+03
	original_glcm_Idn	1.213e+03
	original_glcm_Imc1	-2.462e+03
l	original_glcm_Imc2	-2.622e+01
l	original_glcm_InverseVariance	1.703e+05
	original_glcm_JointAverage	8.571e+03
	original_glcm_JointEnergy	-4.036e+02
	original_glcm_JointEntropy	-3.872e+04
	original_glcm_MCC	4.179e+01
l	original_glcm_MaximumProbability	-8.161e+02
	original_glcm_SumAverage	0.000e+00
	original_glcm_SumEntropy	2.461e+04
	original_glcm_SumSquares	0.000e+00
	original_gldm_DependenceEntropy	4.479e+02
l	original_gldm_DependenceNonUniformity	-2.586e+02
l	original_gldm_DependenceNonUniformityNormalized	0.000e+00
l	original_gldm_DependenceVariance	0.000e+00
	original_gldm_GrayLevelNonUniformity	-1.469e+01
	original_gldm_GrayLevelVariance	0.000e+00
	original_gldm_HighGrayLevelEmphasis	0.000e+00
l	original_gldm_LargeDependenceEmphasis	0.000e+00
	original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
	original_gldm_LargeDependenceLowGrayLevelEmphasis	8.308e+00
	original_gldm_LowGrayLevelEmphasis	0.000e+00
	original_gldm_SmallDependenceEmphasis	0.000e+00
	original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00
	original_gldm_SmallDependenceLowGrayLevelEmphasis	4.861e+00
	original_glrlm_GrayLevelNonUniformity	1.165e+02
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original_glrlm_GrayLevelNonUniformityNormalized	-1.056e+03
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	1.394e+03
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	7.927e+02
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	1.767e+01
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	0.000e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	-2.167e+01
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	1.066e+01
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
	exp(coef)
original_firstorder_10Percentile	0.000e+00
original_firstorder_90Percentile	Inf
original_firstorder_Energy	0.000e+00
original_firstorder_Entropy	Inf
original_firstorder_InterquartileRange	Inf
-	

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original_firstorder_Kurtosis	4.260e-103
original_firstorder_Maximum	8.782e-198
original_firstorder_Mean	Inf
original_firstorder_MeanAbsoluteDeviation	Inf
original_firstorder_Median	0.000e+00
original_firstorder_Minimum	Inf
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
original_firstorder_RootMeanSquared	Inf
original_firstorder_Skewness	7.142e+146
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	Inf
original_firstorder_Variance	0.000e+00
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	Inf
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	0.000e+00
original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	Inf
original_glcm_DifferenceVariance	Inf
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	0.000e+00
original_glcm_Idn	Inf
original_glcm_Imc1	0.000e+00
original_glcm_Imc2	4.081e-12
original_glcm_InverseVariance	Inf
original_glcm_JointAverage	Inf
original_glcm_JointEnergy	5.258e-176
	3.4306-1/0
original_glcm_JointEntropy	
anisinal alam MCC	0.000e+00
original_glcm_MCC	0.000e+00 1.404e+18
original_glcm_MaximumProbability	0.000e+00 1.404e+18 0.000e+00
<pre>original_glcm_MaximumProbability original_glcm_SumAverage</pre>	0.000e+00 1.404e+18 0.000e+00 1.000e+00
<pre>original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy</pre>	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 4.167e-07
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 4.167e-07 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 4.167e-07 1.000e+00 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 3.232e+194 5.078e-113 1.000e+00 4.167e-07 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 4.057e+03
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 4.057e+03 1.000e+00
original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 4.167e-07 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 3.232e+194 5.078e-113 1.000e+00 4.167e-07 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00 1.404e+18 0.000e+00 1.000e+00 3.232e+194 5.078e-113 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00 1.000e+00
original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00 1.404e+18 0.000e+00 1.000e+00 Inf 1.000e+00 3.232e+194 5.078e-113 1.000e+00 4.167e-07 1.000e+00

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original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
original_glrlm_RunEntropy	1.000e+00
	1.000e+00
original_glrlm_RunLengthNonUniformity	
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	Inf
original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	Inf
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	1.000e+00
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	4.716e+07
original_ngtdm_Complexity	1.000e+00
original ngtdm Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	1.000e+00
original shape Flatness	1.000e+00
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	3.864e-10
original_shape_MeshVolume	1.000e+00
	1.000e+00
original_shape_MinorAxisLength	
original_shape_Sphericity	1.000e+00 4.271e+04
original_shape_SurfaceArea	
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
oniginal finatandan 10Dancantila	se(coef)
original_firstorder_10Percentile	3.447e+01
original_firstorder_90Percentile	3.595e+01
original_firstorder_Energy	1.897e+02
original_firstorder_Entropy	4.989e+01
original_firstorder_InterquartileRange	2.889e+01
original_firstorder_Kurtosis	1.713e+01
original_firstorder_Maximum	3.105e+01
original_firstorder_Mean	3.456e+01
original_firstorder_MeanAbsoluteDeviation	3.792e+01

_		
I	original_firstorder_Median	2.747e+01
l	original_firstorder_Minimum	6.374e+01
l	original_firstorder_Range	3.876e+01
l	original_firstorder_RobustMeanAbsoluteDeviation	2.924e+01
l	original_firstorder_RootMeanSquared	2.982e+01
l	original_firstorder_Skewness	1.542e+01
l	original_firstorder_TotalEnergy	1.897e+02
l	original_firstorder_Uniformity	4.079e+01
l		2.758e+01
l	original_firstorder_Variance	
l	original_glcm_Autocorrelation	1.030e+02
l	original_glcm_ClusterProminence	2.546e+01
l	original_glcm_ClusterShade	2.628e+01
l	original_glcm_ClusterTendency	2.827e+01
l	original_glcm_Contrast	2.566e+01
l	original_glcm_Correlation	7.258e+01
l	original_glcm_DifferenceAverage	3.852e+01
l	original_glcm_DifferenceEntropy	4.595e+01
l	original_glcm_DifferenceVariance	2.558e+01
l	original_glcm_Id	4.555e+01
l	original_glcm_Idm	4.601e+01
l	original_glcm_Idmn	2.648e+01
l	original_glcm_Idn	2.574e+01
l	original_glcm_Imc1	5.979e+01
l	original_glcm_Imc2	4.583e+01
l	original_glcm_InverseVariance	4.057e+01
l	original_glcm_JointAverage	5.698e+01
l	original_glcm_JointEnergy	3.774e+01
l	original_glcm_JointEntropy	4.891e+01
l	original_glcm_MCC	2.469e+01
l	original_glcm_MaximumProbability	3.677e+01
l	original_glcm_SumAverage	5.698e+01
l	original_glcm_SumEntropy	4.881e+01
l		
l	original_glcm_SumSquares	2.736e+01
l	original_gldm_DependenceEntropy	3.216e+01
l	original_gldm_DependenceNonUniformity	2.170e+02
l	original_gldm_DependenceNonUniformityNormalized	3.719e+01
l	original_gldm_DependenceVariance	3.604e+01
l	original_gldm_GrayLevelNonUniformity	7.819e+01
l	original_gldm_GrayLevelVariance	2.759e+01
l	original_gldm_HighGrayLevelEmphasis	9.856e+01
l	original_gldm_LargeDependenceEmphasis	3.146e+01
l	original_gldm_LargeDependenceHighGrayLevelEmphasis	1.447e+02
l	original_gldm_LargeDependenceLowGrayLevelEmphasis	3.486e+01
l	original_gldm_LowGrayLevelEmphasis	1.923e+01
l	original_gldm_SmallDependenceEmphasis	3.403e+01
l	original_gldm_SmallDependenceHighGrayLevelEmphasis	3.864e+01
l	original_gldm_SmallDependenceLowGrayLevelEmphasis	1.804e+01
l	original_glrlm_GrayLevelNonUniformity	9.251e+01
l	original_glrlm_GrayLevelNonUniformityNormalized	3.395e+01
	original_glrlm_GrayLevelVariance	2.836e+01
	original_glrlm_HighGrayLevelRunEmphasis	9.717e+01
	original_glrlm_LongRunEmphasis	5.256e+01
	original_glrlm_LongRunHighGrayLevelEmphasis	1.774e+02
	original_glrlm_LongRunLowGrayLevelEmphasis	2.931e+01
	original_glrlm_LowGrayLevelRunEmphasis	1.895e+01
	original_glrlm_RunEntropy	2.982e+01
I	or remar Err minimum ohh	2.30ZE+01

original_glrlm_RunLengthNonUniformity	2.152e+02
original_glrlm_RunLengthNonUniformityNormalized	3.045e+01
original_glrlm_RunPercentage	3.049e+01
original_glrlm_RunVariance	6.166e+01
original_glrlm_ShortRunEmphasis	3.094e+01
original_glrlm_ShortRunHighGrayLevelEmphasis	8.998e+01
original_glrlm_ShortRunLowGrayLevelEmphasis	1.693e+01
original_glszm_GrayLevelNonUniformity	6.402e+01
original_glszm_GrayLevelNonUniformityNormalized	5.765e+01
original_glszm_GrayLevelVariance	3.735e+01
original_glszm_HighGrayLevelZoneEmphasis	8.641e+01
original_glszm_LargeAreaEmphasis	5.885e+01
original_glszm_LargeAreaHighGrayLevelEmphasis	3.763e+02
original_glszm_LargeAreaLowGrayLevelEmphasis	3.196e+01
original_glszm_LowGrayLevelZoneEmphasis	1.940e+01
original_glszm_SizeZoneNonUniformity	2.335e+02
original_glszm_SizeZoneNonUniformityNormalized	3.391e+01
original_glszm_SmallAreaEmphasis	2.985e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	7.927e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	2.443e+01
original_glszm_ZoneEntropy	9.218e+01
original_glszm_ZonePercentage	3.302e+01
original_glszm_ZoneVariance	5.928e+01
	4.384e+01
original_ngtdm_Busyness	
original_ngtdm_Coarseness	1.879e+01
original_ngtdm_Complexity	2.879e+01
original_ngtdm_Contrast	2.654e+01
original_ngtdm_Strength	2.860e+01
original_shape_Elongation	4.330e+01
original_shape_Flatness	3.702e+01
original_shape_LeastAxisLength	4.543e+01
original_shape_MajorAxisLength	9.750e+01
original_shape_Maximum2DDiameterColumn	5.335e+01
original_shape_Maximum2DDiameterRow	9.429e+01
original_shape_Maximum2DDiameterSlice	7.890e+01
original_shape_Maximum3DDiameter	7.463e+01
original_shape_MeshVolume	1.029e+02
original_shape_MinorAxisLength	6.851e+01
original_shape_Sphericity	4.158e+01
original_shape_SurfaceArea	3.408e+02
original_shape_SurfaceVolumeRatio	2.951e+01
original_shape_VoxelVolume	1.034e+02
	Z
original_firstorder_10Percentile	-188.405
original_firstorder_90Percentile	52.932
original_firstorder_Energy	-58.313
original_firstorder_Entropy	50.541
original_firstorder_InterquartileRange	1296.925
original_firstorder_Kurtosis	-13.758
original_firstorder_Maximum	-14.611
original_firstorder_Mean	166.092
original_firstorder_MeanAbsoluteDeviation	1417.669
original_firstorder_Median	-200.269
original_firstorder_Minimum	49.466
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	-2626.772

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	original_firstorder_RootMeanSquared	192.830
	original_firstorder_Skewness	21.932
	original_firstorder_TotalEnergy	0.000
	original_firstorder_Uniformity	51.860
	original_firstorder_Variance	-11946.105
	original_glcm_Autocorrelation	-92.750
	original_glcm_ClusterProminence	2613.780
	original_glcm_ClusterShade	3418.289
	original_glcm_ClusterTendency	7211.507
	original_glcm_Contrast	-7105.556
	original_glcm_Correlation	-34.391
	original_glcm_DifferenceAverage	6724.443
	original_glcm_DifferenceEntropy	16.394
	original_glcm_DifferenceVariance	2272.977
	original_glcm_Id	42346.460
	original_glcm_Idm	-36217.291
	original_glcm_Idmn	-41.723
	original_glcm_Idn	47.128
	original_glcm_Imc1	-41.181
	original glcm Imc2	-0.572
	original_glcm_InverseVariance	4199.135
	original_glcm_JointAverage	150.426
	original_glcm_JointEnergy	-10.694
	original_glcm_JointEntropy	-791.716
	original_glcm_MCC	1.692
	original_glcm_MaximumProbability	-22.193
	original_glcm_SumAverage	0.000
	original_glcm_SumEntropy	504.278
	original_glcm_SumSquares	0.000
	original_gldm_DependenceEntropy	13.927
	original_gldm_DependenceNonUniformity	-1.191
	original_gldm_DependenceNonUniformityNormalized	0.000
	original_gldm_DependenceVariance	0.000
	original_gldm_GrayLevelNonUniformity	-0.188
	original_gldm_GrayLevelVariance	0.000
	original_gldm_HighGrayLevelEmphasis	0.000
	original_gldm_LargeDependenceEmphasis	0.000
	original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000
	original_gldm_LargeDependenceLowGrayLevelEmphasis	0.238
	original_gldm_LowGrayLevelEmphasis	0.000
	original_gldm_SmallDependenceEmphasis	0.000
	<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	0.000
	original_gldm_SmallDependenceLowGrayLevelEmphasis	0.269
	original_glrlm_GrayLevelNonUniformity	1.260
	original_glrlm_GrayLevelNonUniformityNormalized	-31.109
	original_glrlm_GrayLevelVariance	0.000
	original_glrlm_HighGrayLevelRunEmphasis	0.000
	original_glrlm_LongRunEmphasis	0.000
	original_glrlm_LongRunHighGrayLevelEmphasis	0.000
	original_glrlm_LongRunLowGrayLevelEmphasis	0.000
	original_glrlm_LowGrayLevelRunEmphasis	0.000
	original_glrlm_RunEntropy	0.000
	original_glrlm_RunLengthNonUniformity	0.000
	original_glrlm_RunLengthNonUniformityNormalized	0.000
	original_glrlm_RunPercentage	0.000
	original_glrlm_RunVariance	0.000
1		

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original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	21.771
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	3.394
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original glszm SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original glszm ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original ngtdm Busyness	0.000
original_ngtdm_Coarseness	0.940
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
	0.000
original_ngtdm_Strength	
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	-0.290
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.031
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	< 2e-16
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	< 2e-16
original_firstorder_Maximum	< 2e-16
original_firstorder_Mean	< 2e-16
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.000000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	< 2e-16
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	< 2e-16
	- <del></del>

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original_glcm_Autocorrelation			
original_glcm_ClusterProminence	l	original_firstorder_Variance	< 2e-16
original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Cotrast original_glcm_Cotrast original_glcm_DifferenceAverage original_glcm_DifferenceEntropy clean original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_IdferenceVariance original_glcm_Idm clean original_glcm_Idm clean original_glcm_Idm clean original_glcm_Idm clean original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance original_glcm_JinverseVariance original_glcm_JointAverage original_glcm_JointEnergy clean original_glcm_JointEnergy clean original_glcm_SintEnergy clean original_glcm_SintEnergy original_glcm_SintEnergy original_glcm_SumAverage loopinal_glcm_SumAverage original_glcm_SumAverage loopinal_glcm_SumAverage original_glcm_SumAverage original_glcm_SumAverage loopinal_glcm_SumAverage original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceVariance original_gldm_DependenceVariance original_gldm_GrayLevelVariance original_gldm_GrayLevelVariance original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_SmallDependenceEmphasis original_glrlm_GrayLevelVerlEmphas	l	original_glcm_Autocorrelation	< 2e-16
original_glcm_Cortrast	l	original_glcm_ClusterProminence	< 2e-16
original_glcm_Correlation	l	original_glcm_ClusterShade	< 2e-16
original_glcm_DifferenceAverage	l	original_glcm_ClusterTendency	< 2e-16
original_glcm_DifferenceAverage	l	original glcm Contrast	< 2e-16
original_glcm_DifferenceNorenge	l		< 2e-16
original_glcm_DifferenceEntropy	l		< 2e-16
original_glcm_Id	l	5 –5 –	< 2e-16
original_glcm_Idm	l		< 2e-16
original_glcm_Idm	l		< 2e-16
original_glcm_Idn	l		< 2e-16
original_glcm_Imc1	l		< 2e-16
original_glcm_Imc1	l		< 2e-16
original_glcm_Inc2 original_glcm_InverseVariance original_glcm_JointAverage original_glcm_JointEnergy	l		< 2e-16
original_glcm_InverseVariance	l		0.567186
original_glcm_JointAverage	l		< 2e-16
original_glcm_JointEnergy	l		
original_glcm_MCC	l		
original_glcm_MCC original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceNonUniformityNormalized original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis 0.811 original_gldm_SmallDependenceEmphasis 0.000 original_gldm_SmallDependenceHighGrayLevelEmphasis 0.000 original_gldm_SmallDependenceHighGrayLevelEmphasis 0.000 original_gldm_SmallDependenceLowGrayLevelEmphasis 0.000 original_glrlm_GrayLevelNonUniformity 0.207 original_glrlm_GrayLevelNonUniformity 0.207 original_glrlm_GrayLevelNonUniformity 0.207 original_glrlm_LongRunEmphasis 1.000 original_glrlm_LongRunEmphasis 1.000 original_glrlm_LongRunHighGrayLevelEmphasis 1.000 original_glrlm_LongRunLowGrayLevelEmphasis 1.000 original_glrlm_RunLengthNonUniformity 1.000 original_glrlm_RunLengthNonUniformity 0.000 original_glrlm_ShortRunLengthNonUniformity 0.000 original_glrlm_ShortRunLengthNonUniformity 0.000 0riginal_glrlm_ShortRunLengthNonUniformity 0.000 0riginal	l		
original_glcm_MaximumProbability < 2e original_glcm_SumAverage	l		< 2e-16
original_glcm_SumAverage 1.000 original_glcm_SumEntropy < 2e original_glcm_SumSquares 1.000 original_gldm_DependenceEntropy < 2e original_gldm_DependenceEntropy < 2e original_gldm_DependenceNonUniformity 0.233 original_gldm_DependenceNonUniformityNormalized 1.000 original_gldm_DependenceVariance 1.000 original_gldm_GrayLevelNonUniformity 0.850 original_gldm_GrayLevelVariance 1.000 original_gldm_LargeDependenceEmphasis 1.000 original_gldm_LargeDependenceEmphasis 1.000 original_gldm_LargeDependenceEmphasis 1.000 original_gldm_LargeDependenceHighGrayLevelEmphasis 1.000 original_gldm_LowGrayLevelEmphasis 1.000 original_gldm_SmallDependenceEmphasis 1.000 original_gldm_SmallDependenceEmphasis 1.000 original_gldm_SmallDependenceEmphasis 1.000 original_gldm_SmallDependenceLowGrayLevelEmphasis 0.787 original_gldm_SmallDependenceLowGrayLevelEmphasis 0.787 original_glrlm_GrayLevelNonUniformity 0.207 original_glrlm_GrayLevelNonUniformityNormalized 0.207 original_glrlm_GrayLevelNonUniformityNormalized 0.000 original_glrlm_GrayLevelRunEmphasis 1.000 original_glrlm_LongRunEmphasis 1.000 original_glrlm_LongRunHighGrayLevelEmphasis 1.000 original_glrlm_LongRunHowGrayLevelEmphasis 1.000 original_glrlm_RunEntropy	l		0.090583
original_glcm_SumEntropy	l		< 2e-16
original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelVariance original_glrlm_GrayLevelVariance original_glrlm_LongRunEmphasis original_glrlm_LongRunEmphasis original_glrlm_LongRunHighGrayLevelEmphasis 1.000 original_glrlm_LongRunHighGrayLevelEmphasis 0riginal_glrlm_LowGrayLevelRunEmphasis 1.000 original_glrlm_RunEntropy original_glrlm_RunEntropy original_glrlm_RunEntropy original_glrlm_RunLengthNonUniformity Original_glrlm_RunLengthNonUniformity Original_glrlm_RunLengthNonUniformity Original_glrlm_RunLengthNonUniformity Original_glrlm_RunLengthNonUniformity Original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunLengthNonUniformityNormalized original_glrlm_RunFaunFaunEmphasis 0riginal_glrlm_ShortRunEmphasis 1.000 original_glrlm_ShortRunEmphasis 1.000 original_glrlm_ShortRunHighGrayLevelEmphasis 1.000 original_glrlm_ShortRunHighGrayLevelEmphasis 1.000 original_glrlm_ShortRunHighGrayLevelEmphasis 1.000 original_glrlm_ShortRunHighGrayLevelEmphasis 1.000	l		1.000000
original_gldm_DependenceEntropy	l		< 2e-16
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original_gldm_DependenceVariance	l		0.233497
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original_glrlm_LowGrayLevelRunEmphasis 1.000 original_glrlm_RunEntropy 1.000 original_glrlm_RunLengthNonUniformity 1.000 original_glrlm_RunLengthNonUniformityNormalized 1.000 original_glrlm_RunPercentage 1.000 original_glrlm_RunVariance 1.000 original_glrlm_ShortRunEmphasis 1.000 original_glrlm_ShortRunHighGrayLevelEmphasis 1.000 original_glrlm_ShortRunLowGrayLevelEmphasis 1.000	l		1.000000
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original glszm GrayLevelNonUniformityNormalized
                                                    1.000000
original glszm GrayLevelVariance
                                                    1,000000
original glszm HighGrayLevelZoneEmphasis
                                                    1,000000
original glszm LargeAreaEmphasis
                                                    1.000000
original_glszm_LargeAreaHighGrayLevelEmphasis
                                                    1.000000
original glszm LargeAreaLowGrayLevelEmphasis
                                                    1.000000
original_glszm_LowGrayLevelZoneEmphasis
                                                    1 000000
original_glszm_SizeZoneNonUniformity
                                                    0.000688
original_glszm_SizeZoneNonUniformityNormalized
                                                    1.000000
original_glszm_SmallAreaEmphasis
                                                    1,000000
original_glszm_SmallAreaHighGrayLevelEmphasis
                                                    1.000000
original_glszm_SmallAreaLowGrayLevelEmphasis
                                                    1.000000
original_glszm_ZoneEntropy
                                                    1.000000
original_glszm_ZonePercentage
                                                    1.000000
original glszm ZoneVariance
                                                    1.000000
original_ngtdm_Busyness
                                                    1.000000
original ngtdm Coarseness
                                                    0.347049
                                                    1.000000
original ngtdm Complexity
original_ngtdm_Contrast
                                                    1.000000
original_ngtdm_Strength
                                                    1.000000
original shape Elongation
                                                    1.000000
original shape Flatness
                                                    1.000000
original_shape_LeastAxisLength
                                                    1.000000
original_shape_MajorAxisLength
                                                    1.000000
original shape Maximum2DDiameterColumn
                                                    1.000000
original_shape_Maximum2DDiameterRow
                                                    1.000000
original_shape_Maximum2DDiameterSlice
                                                    1.000000
original shape Maximum3DDiameter
                                                    0.771504
original shape MeshVolume
                                                    1.000000
original_shape_MinorAxisLength
                                                    1.000000
original_shape_Sphericity
                                                    1.000000
original_shape_SurfaceArea
                                                    0.975044
original_shape_SurfaceVolumeRatio
                                                    1.000000
original_shape_VoxelVolume
                                                    1.000000
Likelihood ratio test=42.85 on 107 df, p=1
n= 39, number of events= 6
$model list[[3]]$coxmodels[[3]]
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                    coef
original firstorder 10Percentile
original firstorder 90Percentile
original firstorder Energy
                                                       0
original firstorder Entropy
                                                       0
original firstorder InterquartileRange
                                                       0
original firstorder Kurtosis
                                                       0
original firstorder Maximum
                                                       0
original_firstorder_Mean
                                                       0
original firstorder MeanAbsoluteDeviation
                                                       0
original firstorder Median
                                                       0
original_firstorder_Minimum
                                                       0
```

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original_firstorder_Range	0
original_firstorder_RobustMeanAbsoluteDeviation	0
original_firstorder_RootMeanSquared	0
original_firstorder_Skewness	0
original_firstorder_TotalEnergy	0
original_firstorder_Uniformity	0
original_firstorder_Variance	0
original_glcm_Autocorrelation	0
original_glcm_ClusterProminence	0
original_glcm_ClusterShade	0
original_glcm_ClusterTendency	0
original_glcm_Contrast	0
original_glcm_Correlation	0
original_glcm_DifferenceAverage	0
original_glcm_DifferenceEntropy	0
original_glcm_DifferenceVariance	0
original_glcm_Id	0
original_glcm_Idm	0
original_glcm_Idmn	0
original_glcm_Idn	0
original_glcm_Imc1	0
original_glcm_Imc2	0
original_glcm_InverseVariance	0
original_glcm_JointAverage	0
original_glcm_JointEnergy	0
original_glcm_JointEntropy	0
original_glcm_MCC	0
original_glcm_MaximumProbability	0
original_glcm_SumAverage	0
original_glcm_SumEntropy	0
original_glcm_SumSquares	0
original_gldm_DependenceEntropy	0
original_gldm_DependenceNonUniformity	0
original_gldm_DependenceNonUniformityNormalized	0
original_gldm_DependenceVariance	0
original_gldm_GrayLevelNonUniformity	0
original_gldm_GrayLevelVariance	0
original_gldm_HighGrayLevelEmphasis	0
original_gldm_LargeDependenceEmphasis	0
$original\_gldm\_Large Dependence High Gray Level Emphasis$	0
original_gldm_LargeDependenceLowGrayLevelEmphasis	0
original_gldm_LowGrayLevelEmphasis	0
original_gldm_SmallDependenceEmphasis	0
original_gldm_SmallDependenceHighGrayLevelEmphasis	0
<pre>original_gldm_SmallDependenceLowGrayLevelEmphasis</pre>	0
original_glrlm_GrayLevelNonUniformity	0
original_glrlm_GrayLevelNonUniformityNormalized	0
original_glrlm_GrayLevelVariance	0
original_glrlm_HighGrayLevelRunEmphasis	0
original_glrlm_LongRunEmphasis	0
original_glrlm_LongRunHighGrayLevelEmphasis	0
original_glrlm_LongRunLowGrayLevelEmphasis	0
original_glrlm_LowGrayLevelRunEmphasis	0
original_glrlm_RunEntropy	0
original_glrlm_RunLengthNonUniformity	0
original_glrlm_RunLengthNonUniformityNormalized	0
5 25 2 0	

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original_glrlm_RunPercentage	0
original_glrlm_RunVariance	0
original_glrlm_ShortRunEmphasis	0
original_glrlm_ShortRunHighGrayLevelEmphasis	0
original_glrlm_ShortRunLowGrayLevelEmphasis	0
original_glszm_GrayLevelNonUniformity	0
original_glszm_GrayLevelNonUniformityNormalized	0
original_glszm_GrayLevelVariance	0
original_glszm_HighGrayLevelZoneEmphasis	0
original_glszm_LargeAreaEmphasis	0
original_glszm_LargeAreaHighGrayLevelEmphasis	0
	0
original_glszm_LargeAreaLowGrayLevelEmphasis	
original_glszm_LowGrayLevelZoneEmphasis	0
original_glszm_SizeZoneNonUniformity	0
original_glszm_SizeZoneNonUniformityNormalized	0
original_glszm_SmallAreaEmphasis	0
original_glszm_SmallAreaHighGrayLevelEmphasis	0
original_glszm_SmallAreaLowGrayLevelEmphasis	0
original_glszm_ZoneEntropy	0
original_glszm_ZonePercentage	0
original_glszm_ZoneVariance	0
original_ngtdm_Busyness	0
original_ngtdm_Coarseness	0
original_ngtdm_Complexity	0
original_ngtdm_Contrast	0
original_ngtdm_Strength	0
original_shape_Elongation	0
original_shape_Flatness	0
original_shape_LeastAxisLength	0
original_shape_MajorAxisLength	0
original_shape_Maximum2DDiameterColumn	0
original_shape_Maximum2DDiameterColumn original_shape_Maximum2DDiameterRow	0
original_shape_Maximum2DDiameterSlice	0
original_shape_Maximum3DDiameter	0
original_shape_MeshVolume	0
original_shape_MinorAxisLength	0
original_shape_Sphericity	0
original_shape_SurfaceArea	0
original_shape_SurfaceVolumeRatio	0
original_shape_VoxelVolume	0
	exp(coef)
original_firstorder_10Percentile	1
original_firstorder_90Percentile	1
original_firstorder_Energy	1
original_firstorder_Entropy	1
original_firstorder_InterquartileRange	1
original_firstorder_Kurtosis	1
original_firstorder_Maximum	1
original_firstorder_Mean	1
original_firstorder_MeanAbsoluteDeviation	1
original_firstorder_Median	1
original_firstorder_Minimum	1
original_firstorder_Range	1
original_firstorder_RobustMeanAbsoluteDeviation	1
original_firstorder_RootMeanSquared	1
original_firstorder_Skewness	1

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original_firstorder_TotalEnergy	1
original_firstorder_Uniformity	1
original_firstorder_Variance	1
original_glcm_Autocorrelation	1
original_glcm_ClusterProminence	1
original_glcm_ClusterShade	1
original_glcm_ClusterTendency	1
original_glcm_Contrast	1
original_glcm_Correlation	1
original_glcm_DifferenceAverage	1
original_glcm_DifferenceEntropy	1
original_glcm_DifferenceVariance	1
original_glcm_Id	1
original_glcm_Idm	1
original_glcm_Idm	1
original_glcm_Idn	1
original_glcm_Imc1	1
original_glcm_Imc2	1
original_glcm_InverseVariance	1
original_glcm_JointAverage	1
original_glcm_JointEnergy	1
original_glcm_JointEntropy	1
original_glcm_MCC	1
original_glcm_MaximumProbability	1
original_glcm_SumAverage	1
original_glcm_SumEntropy	1
original_glcm_SumSquares	1
original_gldm_DependenceEntropy	1
original_gldm_DependenceNonUniformity	1
original_gldm_DependenceNonUniformityNormalized	1
original_gldm_DependenceVariance	1
original_gldm_GrayLevelNonUniformity	1
original_gldm_GrayLevelVariance	1
original_gldm_HighGrayLevelEmphasis	1
original_gldm_LargeDependenceEmphasis	1
original_gldm_LargeDependenceHighGrayLevelEmphasis	1
original_gldm_LargeDependenceLowGrayLevelEmphasis	1
original_gldm_LowGrayLevelEmphasis	1
original_gldm_SmallDependenceEmphasis	1
original_gldm_SmallDependenceHighGrayLevelEmphasis	1
original_gldm_SmallDependenceLowGrayLevelEmphasis	1
original_glrlm_GrayLevelNonUniformity	1
original_glrlm_GrayLevelNonUniformityNormalized	1
original_glrlm_GrayLevelVariance	1
original_glrlm_HighGrayLevelRunEmphasis	1
original_glrlm_LongRunEmphasis	1
original_glrlm_LongRunHighGrayLevelEmphasis	1
original_glrlm_LongRunLowGrayLevelEmphasis	1
original_glrlm_LowGrayLevelRunEmphasis	1
original_glrlm_RunEntropy	1
original_glrlm_RunLengthNonUniformity	1
original_glrlm_RunLengthNonUniformityNormalized	1
original_glrlm_RunPercentage	1
original_glrlm_RunVariance	1
original_glrlm_ShortRunEmphasis	1
original_glrlm_ShortRunHighGrayLevelEmphasis	1

original_glrlm_ShortRunLowGrayLevelEmphasis	1
original_glszm_GrayLevelNonUniformity	1
original_glszm_GrayLevelNonUniformityNormalized	1
original_glszm_GrayLevelVariance	1
original_glszm_HighGrayLevelZoneEmphasis	1
original_glszm_LargeAreaEmphasis	1
original_glszm_LargeAreaHighGrayLevelEmphasis	1
original_glszm_LargeAreaLowGrayLevelEmphasis	1
original_glszm_LowGrayLevelZoneEmphasis	1
original_glszm_SizeZoneNonUniformity	1
original_glszm_SizeZoneNonUniformityNormalized	1
original_glszm_SmallAreaEmphasis	1
original_glszm_SmallAreaHighGrayLevelEmphasis	1
original_glszm_SmallAreaLowGrayLevelEmphasis	1
original_glszm_ZoneEntropy	1
original_glszm_ZonePercentage	1
original_glszm_ZoneVariance	1
original_ngtdm_Busyness	1
original_ngtdm_Coarseness	1
original_ngtdm_Complexity	1
original_ngtdm_Contrast	1
original_ngtdm_Strength	1
original_shape_Elongation	1
original_shape_Flatness	1
original_shape_LeastAxisLength	1
original_shape_MajorAxisLength	1
original_shape_Maximum2DDiameterColumn	1
original_shape_Maximum2DDiameterRow	1
original_shape_Maximum2DDiameterSlice	1
original_shape_Maximum3DDiameter	1
original_shape_MeshVolume	1
original_shape_MinorAxisLength	1
original_shape_Sphericity	1
original_shape_SurfaceArea	1
original_shape_SurfaceVolumeRatio	1
original_shape_VoxelVolume	1
	se(coef)
original_firstorder_10Percentile	0
original_firstorder_90Percentile	0
original_firstorder_Energy	0
	0
original_firstorder_Entropy	O
<pre>original_firstorder_Entropy original_firstorder_InterquartileRange</pre>	0
original_firstorder_InterquartileRange	0
<pre>original_firstorder_InterquartileRange original_firstorder_Kurtosis</pre>	0 0
<pre>original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum</pre>	0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean	0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation	0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median	0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum	0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range	0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation	0 0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared	0 0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness	0 0 0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy	0 0 0 0 0 0 0
original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity	0 0 0 0 0 0 0

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original_glcm_ClusterProminence	0
original_glcm_ClusterShade	0
original_glcm_ClusterTendency	0
original_glcm_Contrast	0
original_glcm_Correlation	0
original_glcm_DifferenceAverage	0
original_glcm_DifferenceEntropy	0
original_glcm_DifferenceVariance	0
original_glcm_Id	0
original_glcm_Idm	0
original_glcm_Idmn	0
original_glcm_Idn	0
original_glcm_Imc1	0
original_glcm_Imc2	0
original_glcm_InverseVariance	0
original_glcm_JointAverage	0
original_glcm_JointEnergy	0
original_glcm_JointEntropy	0
original_glcm_MCC	0
original_glcm_MaximumProbability	0
original_glcm_SumAverage	0
original_glcm_SumEntropy	0
original_glcm_SumSquares	0
original_gldm_DependenceEntropy	0
original_gldm_DependenceNonUniformity	0
original_gldm_DependenceNonUniformityNormalized	0
original_gldm_DependenceVariance	0
original_gldm_GrayLevelNonUniformity	0
original_gldm_GrayLevelVariance	0
original_gldm_HighGrayLevelEmphasis	0
original_gldm_LargeDependenceEmphasis	0
original_gldm_LargeDependenceHighGrayLevelEmphasis	0
original_gldm_LargeDependenceLowGrayLevelEmphasis	0
original_gldm_LowGrayLevelEmphasis	0
original_gldm_SmallDependenceEmphasis	0
original_gldm_SmallDependenceHighGrayLevelEmphasis	0
original_gldm_SmallDependenceLowGrayLevelEmphasis	0
original_glrlm_GrayLevelNonUniformity	0
original_glrlm_GrayLevelNonUniformityNormalized	0
original_glrlm_GrayLevelVariance	0
original_glrlm_HighGrayLevelRunEmphasis	0
original_glrlm_LongRunEmphasis	0
original_glrlm_LongRunHighGrayLevelEmphasis	0
original_glrlm_LongRunLowGrayLevelEmphasis	0
original_glrlm_LowGrayLevelRunEmphasis	0
original_glrlm_RunEntropy	0
original_glrlm_RunLengthNonUniformity	0
original_glrlm_RunLengthNonUniformityNormalized	0
original_glrlm_RunPercentage	0
original_glrlm_RunVariance	0
original_glrlm_ShortRunEmphasis	0
original_glrlm_ShortRunHighGrayLevelEmphasis	0
original_glrlm_ShortRunLowGrayLevelEmphasis	0
original_glszm_GrayLevelNonUniformity	0
original_glszm_GrayLevelNonUniformityNormalized	0
original_glszm_GrayLevelVariance	0
0 · _0 · _1 · / · · · · · · · · · · · · · · · · ·	,

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original_glszm_HighGrayLevelZoneEmphasis	
original_glszm_LargeAreaEmphasis	
original_glszm_LargeAreaHighGrayLevelEmpha	sis
original_glszm_LargeAreaLowGrayLevelEmphas	is
original_glszm_LowGrayLevelZoneEmphasis	
original_glszm_SizeZoneNonUniformity	
original_glszm_SizeZoneNonUniformityNormal	ized
original_glszm_SmallAreaEmphasis	
original_glszm_SmallAreaHighGrayLevelEmpha	sis
original_glszm_SmallAreaLowGrayLevelEmphas	
original_glszm_ZoneEntropy	15
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	
original_ngtdm_Busyness	
original_ngtdm_Coarseness	
original_ngtdm_Complexity	
original_ngtdm_Contrast	
original_ngtdm_Strength	
original_shape_Elongation	
original_shape_Flatness	
original_shape_LeastAxisLength	
original_shape_MajorAxisLength	
original_shape_Maximum2DDiameterColumn	
original_shape_Maximum2DDiameterRow	
original_shape_Maximum2DDiameterSlice	
original_shape_Maximum3DDiameter	
original_shape_MeshVolume	
original_shape_MinorAxisLength	
original_shape_Sphericity	
original_shape_SurfaceArea	
original_shape_SurfaceVolumeRatio	
original_shape_VoxelVolume	
	Z
original_firstorder_10Percentile	NaN
original_firstorder_90Percentile	NaN
original_firstorder_Energy	NaN
original_firstorder_Entropy	NaN
original_firstorder_InterquartileRange	NaN
original_firstorder_Kurtosis	NaN
original_firstorder_Maximum	NaN
original_firstorder_Mean	NaN
original_firstorder_MeanAbsoluteDeviation	NaN
original_firstorder_Median	NaN
original_firstorder_Minimum	NaN
original_firstorder_Range	NaN
original_firstorder_RobustMeanAbsoluteDevi	-
original_firstorder_RootMeanSquared	NaN
original_firstorder_Skewness	NaN
original_firstorder_TotalEnergy	NaN
	-
original_firstorder_Uniformity	NaN NaN
original_firstorder_Variance	NaN
original_glcm_Autocorrelation	NaN
original_glcm_ClusterProminence	NaN
original_glcm_ClusterShade	NaN
original_glcm_ClusterTendency	NaN
original_glcm_Contrast	NaN

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_	72025, 11.51 Simulated examples	וטו נו
	original_glcm_Correlation	NaN
	original_glcm_DifferenceAverage	NaN
	original_glcm_DifferenceEntropy	NaN
	original_glcm_DifferenceVariance	NaN
	original_glcm_Id	NaN
	original_glcm_Idm	NaN
	original_glcm_Idmn	NaN
	original_glcm_Idn	NaN
	original_glcm_Imc1	NaN
	original_glcm_Imc2	NaN
	original_glcm_InverseVariance	NaN
	original_glcm_JointAverage	NaN
	original_glcm_JointEnergy	NaN
	original_glcm_JointEntropy	NaN
	original_glcm_MCC	NaN
	original_glcm_MaximumProbability	NaN
	original_glcm_SumAverage	NaN
	original_glcm_SumEntropy	NaN
	original_glcm_SumSquares	NaN
	original_gldm_DependenceEntropy	NaN
	original_gldm_DependenceNonUniformity	NaN
	original_gldm_DependenceNonUniformityNormalized	NaN
	original_gldm_DependenceVariance	NaN
	original_gldm_GrayLevelNonUniformity	NaN
	original_gldm_GrayLevelVariance	NaN
	original_gldm_HighGrayLevelEmphasis	NaN
	original_gldm_LargeDependenceEmphasis	NaN
	original_gldm_LargeDependenceHighGrayLevelEmphasis	
	original_gldm_LargeDependenceLowGrayLevelEmphasis	NaN
	original_gldm_LowGrayLevelEmphasis	NaN
	original_gldm_SmallDependenceEmphasis	NaN
	original_gldm_SmallDependenceHighGrayLevelEmphasis	
	original_gldm_SmallDependenceLowGrayLevelEmphasis	NaN
	original_glrlm_GrayLevelNonUniformity	NaN
	original_glrlm_GrayLevelNonUniformityNormalized	NaN
	original glrlm GrayLevelVariance	NaN
	original_glrlm_HighGrayLevelRunEmphasis	NaN
		NaN
	original_glrlm_LongRunHighCnayLovelEmphasis	-
	original_glrlm_LongRunHighGrayLevelEmphasis	NaN
	original_glrlm_LongRunLowGrayLevelEmphasis	NaN
	original_glrlm_LowGrayLevelRunEmphasis	NaN
	original_glrlm_RunEntropy	NaN
	original_glrlm_RunLengthNonUniformity	NaN
	original_glrlm_RunLengthNonUniformityNormalized	NaN
	original_glrlm_RunPercentage	NaN
	original_glrlm_RunVariance	NaN
	original_glrlm_ShortRunEmphasis	NaN
	original_glrlm_ShortRunHighGrayLevelEmphasis	NaN
	original_glrlm_ShortRunLowGrayLevelEmphasis	NaN
	original_glszm_GrayLevelNonUniformity	NaN
	original_glszm_GrayLevelNonUniformityNormalized	NaN
	original_glszm_GrayLevelVariance	NaN
	original_glszm_HighGrayLevelZoneEmphasis	NaN
	original_glszm_LargeAreaEmphasis	NaN
	original_glszm_LargeAreaHighGrayLevelEmphasis	NaN
	original_glszm_LargeAreaLowGrayLevelEmphasis	NaN

original_glszm_LowGrayLevelZoneEmphasis	NaN
	_
original_glszm_SizeZoneNonUniformity	NaN
original_glszm_SizeZoneNonUniformityNormalized	NaN
original_glszm_SmallAreaEmphasis	NaN
original_glszm_SmallAreaHighGrayLevelEmphasis	NaN
original_glszm_SmallAreaLowGrayLevelEmphasis	NaN
original_glszm_ZoneEntropy	NaN
original_glszm_ZonePercentage	NaN
original_glszm_ZoneVariance	NaN
original_ngtdm_Busyness	NaN
original_ngtdm_Coarseness	NaN
original_ngtdm_Complexity	NaN
original_ngtdm_Contrast	NaN
original_ngtdm_Strength	NaN
original_shape_Elongation	NaN
original_shape_Flatness	NaN
original shape LeastAxisLength	NaN
original_shape_MajorAxisLength	NaN
original_shape_Maximum2DDiameterColumn	NaN
original_shape_Maximum2DDiameterRow	NaN
original_shape_Maximum2DDiameterSlice	NaN
original_shape_Maximum3DDiameter	NaN
	NaN
original_shape_MeshVolume	_
original_shape_MinorAxisLength	NaN
original_shape_Sphericity	NaN
original_shape_SurfaceArea	NaN
original_shape_SurfaceVolumeRatio	NaN
original_shape_VoxelVolume	NaN
	р
original_firstorder_10Percentile	p NaN
original_firstorder_10Percentile original_firstorder_90Percentile	•
	NaN
original_firstorder_90Percentile	NaN NaN
original_firstorder_90Percentile original_firstorder_Energy	NaN NaN NaN
<pre>original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy</pre>	NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange	NaN NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis	NaN NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean	NaN NaN NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean	NaN NaN NaN NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median	NaN NaN NaN NaN NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum	NaN NaN NaN NaN NaN NaN NaN NaN NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RootMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RootMeanAbsoluteDeviation original_firstorder_RotwanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Correlation	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage original_glcm_DifferenceEntropy	NaN
original_firstorder_90Percentile original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Correlation original_glcm_DifferenceAverage	NaN

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	original_glcm_Id		NaN
	original_glcm_Idm		NaN
	original_glcm_Idmn		NaN
	original_glcm_Idn		NaN
	original_glcm_Imc1		NaN
	original_glcm_Imc2		NaN
	original_glcm_InverseVariance		NaN
	original_glcm_JointAverage		NaN
	original_glcm_JointEnergy		NaN
	original_glcm_JointEntropy		NaN
	original_glcm_MCC		NaN
	original_glcm_MaximumProbability		NaN
	original_glcm_SumAverage		NaN
	original_glcm_SumEntropy		NaN
	original_glcm_SumSquares		NaN
	original_gldm_DependenceEntropy		NaN
	original_gldm_DependenceNonUniformity		NaN
	original_gldm_DependenceNonUniformityN	lonmalized	NaN
	original_gldm_DependenceVariance	ioi illa 112eu	NaN
			NaN
	original_gldm_GrayLevelNonUniformity		NaN
	original_gldm_GrayLevelVariance		
	original_gldm_HighGrayLevelEmphasis		NaN
	original_gldm_LargeDependenceEmphasis	15	NaN
	original_gldm_LargeDependenceHighGrayL		NaN
	original_gldm_LargeDependenceLowGrayLe	velEmphasis	NaN
	original_gldm_LowGrayLevelEmphasis		NaN
	original_gldm_SmallDependenceEmphasis	1e	NaN
	original_gldm_SmallDependenceHighGrayL		NaN
	original_gldm_SmallDependenceLowGrayLe	evelEmphasis	NaN
	original_glrlm_GrayLevelNonUniformity		NaN
	original_glrlm_GrayLevelNonUniformityN	lormalized	NaN
	original_glrlm_GrayLevelVariance		NaN
	original_glrlm_HighGrayLevelRunEmphasi	.S	NaN
	original_glrlm_LongRunEmphasis		NaN
	original_glrlm_LongRunHighGrayLevelEmp		NaN
	original_glrlm_LongRunLowGrayLevelEmph		NaN
	original_glrlm_LowGrayLevelRunEmphasis	i.	NaN
	original_glrlm_RunEntropy		NaN
	<pre>original_glrlm_RunLengthNonUniformity</pre>		NaN
	original_glrlm_RunLengthNonUniformityN	Jormalized	NaN
	original_glrlm_RunPercentage		NaN
	original_glrlm_RunVariance		NaN
	original_glrlm_ShortRunEmphasis		NaN
	$original\_glrlm\_ShortRunHighGrayLevelEnd$	ιphasis	NaN
	original_glrlm_ShortRunLowGrayLevelEmp	hasis	NaN
	${\tt original\_glszm\_GrayLevelNonUniformity}$		NaN
	$original\_glszm\_GrayLevelNonUniformityName of the property of$	Normalized	NaN
	original_glszm_GrayLevelVariance		NaN
	original_glszm_HighGrayLevelZoneEmphas	sis	NaN
	original_glszm_LargeAreaEmphasis		NaN
	original_glszm_LargeAreaHighGrayLevelE	Emphasis	NaN
	original_glszm_LargeAreaLowGrayLevelEn		NaN
	original_glszm_LowGrayLevelZoneEmphasi		NaN
	original_glszm_SizeZoneNonUniformity		NaN
	original_glszm_SizeZoneNonUniformityNo	ormalized	NaN
	original_glszm_SmallAreaEmphasis		NaN
	CC		

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```
original glszm SmallAreaHighGrayLevelEmphasis
                                                    NaN
original glszm SmallAreaLowGrayLevelEmphasis
                                                    NaN
original glszm ZoneEntropy
                                                    NaN
original glszm ZonePercentage
                                                    NaN
original_glszm_ZoneVariance
                                                    NaN
original ngtdm Busyness
                                                    NaN
original_ngtdm_Coarseness
                                                    NaN
original_ngtdm_Complexity
                                                    NaN
original_ngtdm_Contrast
                                                    NaN
original_ngtdm_Strength
                                                    NaN
original_shape_Elongation
                                                    NaN
original_shape_Flatness
                                                    NaN
original_shape_LeastAxisLength
                                                    NaN
original shape MajorAxisLength
                                                    NaN
original shape Maximum2DDiameterColumn
                                                    NaN
original shape Maximum2DDiameterRow
                                                    NaN
original shape Maximum2DDiameterSlice
                                                    NaN
original shape Maximum3DDiameter
                                                    NaN
original shape MeshVolume
                                                    NaN
original shape MinorAxisLength
                                                    NaN
original shape Sphericity
                                                    NaN
original shape SurfaceArea
                                                    NaN
original_shape_SurfaceVolumeRatio
                                                    NaN
original_shape_VoxelVolume
                                                    NaN
Likelihood ratio test=0 on 107 df, p=1
n= 67, number of events= 0
$model_list[[3]]$coxmodels[[4]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                     -2.529e+02
original_firstorder_90Percentile
                                                      1.200e+00
original_firstorder_Energy
                                                      9.154e+02
original firstorder Entropy
                                                      6.534e+01
original firstorder InterquartileRange
                                                      2.895e+02
original firstorder Kurtosis
                                                      3.927e+01
original_firstorder_Maximum
                                                     -1.278e+03
original firstorder Mean
                                                      5.858e+02
original firstorder MeanAbsoluteDeviation
                                                      2.239e+03
original firstorder Median
                                                     -2.345e+02
original firstorder Minimum
                                                      7.099e+02
original firstorder Range
                                                      1.213e+03
original firstorder RobustMeanAbsoluteDeviation
                                                     -1.618e+03
original firstorder RootMeanSquared
                                                     -3.404e+02
original firstorder Skewness
                                                     -8.729e+00
original firstorder TotalEnergy
                                                      0.000e+00
original firstorder Uniformity
                                                     -4.412e+02
original_firstorder_Variance
                                                     -3.738e+04
original glcm Autocorrelation
                                                      5.476e+02
original glcm ClusterProminence
                                                     -5.775e+04
original_glcm_ClusterShade
                                                     -1.181e+04
```

<del>,</del>	
original_glcm_ClusterTendency	-2.340e+03
original_glcm_Contrast	9.103e+03
original_glcm_Correlation	-4.125e+01
original_glcm_DifferenceAverage	2.099e+03
original_glcm_DifferenceEntropy	2.380e+02
original_glcm_DifferenceVariance	-1.532e+04
original_glcm_Id	1.192e+04
original_glcm_Idm	-9.576e+03
original_glcm_Idmn	1.570e+02
original_glcm_Idn	4.360e+02
original_glcm_Imc1	-3.754e+02
original_glcm_Imc2	-4.104e+02
original_glcm_InverseVariance	1.380e+03
original_glcm_JointAverage	-1.104e+03
original_glcm_JointEnergy	2.346e+02
original_glcm_JointEntropy	5.417e+02
original_glcm_MCC	1.016e+01
original_glcm_MaximumProbability	9.034e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	1.003e+03
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	-2.087e+02
original_gldm_DependenceNonUniformity	1.509e+03
original_gldm_DependenceNonUniformityNormalized	-9.610e+02
original_gldm_DependenceVariance	4.696e+01
original_gldm_GrayLevelNonUniformity	-2.699e+02
original_gldm_GrayLevelVariance	3.678e+04
original_gldm_HighGrayLevelEmphasis	-5.486e+03
original_gldm_LargeDependenceEmphasis	3.441e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	-1.692e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis	-1.167e+04
original_gldm_LowGrayLevelEmphasis	-2.448e+04
original_gldm_SmallDependenceEmphasis	-1.020e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	4.507e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	6.011e+02
original_glrlm_GrayLevelNonUniformity	8.764e+01
original_glrlm_GrayLevelNonUniformityNormalized	4.700e+02
original_glrlm_GrayLevelVariance	-1.666e+03
original_glrlm_HighGrayLevelRunEmphasis	7.815e+03
original_glrlm_LongRunEmphasis	-2.697e+03
original_glrlm_LongRunHighGrayLevelEmphasis	1.513e+03
original_glrlm_LongRunLowGrayLevelEmphasis	9.043e+03
original_glrlm_LowGrayLevelRunEmphasis	4.995e+04
original_glrlm_RunEntropy	-1.026e+03
original_glrlm_RunLengthNonUniformity	-3.331e+03
original_glrlm_RunLengthNonUniformityNormalized	-7.311e+02
original_glrlm_RunPercentage	2.723e+03
original_glrlm_RunVariance	1.485e+03
original_glrlm_ShortRunEmphasis	2.185e+02
original_glrlm_ShortRunHighGrayLevelEmphasis	-1.701e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	-1.701e+03
original_glszm_GrayLevelNonUniformity	7.252e+02
original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized	-2.710e+02
	2.706e+02
original_glszm_GrayLevelVariance	
<pre>original_glszm_HighGrayLevelZoneEmphasis original_glszm_LargeAreaEmphasis</pre>	-9.656e+02 6.028e+04
. 00.0.0.0. 0.0.7m   3000/003EMDN3C1C	n.и/xe+и4

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original_glszm_LargeAreaHighGrayLevelEmphasis	7.518e+02
original_glszm_LargeAreaLowGrayLevelEmphasis	5.522e+02
original_glszm_LowGrayLevelZoneEmphasis	-3.942e+03
original_glszm_SizeZoneNonUniformity	8.007e+02
original_glszm_SizeZoneNonUniformityNormalized	-1.278e+02
original_glszm_SmallAreaEmphasis	3.816e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	5.180e+02
original_glszm_SmallAreaLowGrayLevelEmphasis	1.215e+03
original_glszm_ZoneEntropy	9.548e+01
original_glszm_ZonePercentage	1.526e+02
original_glszm_ZoneVariance	-6.108e+04
original_ngtdm_Busyness	3.885e+02
original_ngtdm_Coarseness	-1.348e+02
original_ngtdm_Complexity	5.992e+02
original_ngtdm_Contrast	1.075e+03
original_ngtdm_Strength	-2.346e+01
original_shape_Elongation	-1.131e+01
original_shape_Flatness	-8.538e+01
original_shape_LeastAxisLength	1.538e+02
original_shape_MajorAxisLength	-3.319e+02
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
of 1811/d1_51/dpc_voxe1vo1dille	exp(coef)
original_firstorder_10Percentile	1.464e-110
original_firstorder_90Percentile	3.320e+00
original firstorder Energy	J.320e100 Inf
original_firstorder_Entropy	2.379e+28
original_firstorder_InterquartileRange	5.610e+125
original_firstorder_Kurtosis	1.138e+17
original_firstorder_Maximum	0.000e+00
original_firstorder_Mean	2.582e+254
original_firstorder_MeanAbsoluteDeviation	Inf
original_firstorder_Median	1.465e-102
original_firstorder_Minimum	Inf
original_firstorder_Range	Inf
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
original_firstorder_RootMeanSquared	1.540e-148
original_firstorder_Skewness	1.619e-04
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	2.427e-192
original_firstorder_Variance	0.000e+00
original_glcm_Autocorrelation	6.368e+237
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	Inf
original_glcm_Correlation	1.221e-18
original_glcm_DifferenceAverage	Inf

original_glcm_DifferenceEntropy	2.285e+103
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	1.576e+68
original_glcm_Idn	2.217e+189
original_glcm_Imc1	9.665e-164
original_glcm_Imc2	6.086e-179
original_glcm_InverseVariance	Inf
original_glcm_JointAverage	0.000e+00
	7.990e+101
original_glcm_JointEnergy	
original_glcm_JointEntropy	1.731e+235
original_glcm_MCC	2.579e+04
original_glcm_MaximumProbability	1.710e+39
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	Inf
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	2.360e-91
original_gldm_DependenceNonUniformity	Inf
original_gldm_DependenceNonUniformityNormalized	0.000e+00
original_gldm_DependenceVariance	2.483e+20
original_gldm_GrayLevelNonUniformity	6.022e-118
original_gldm_GrayLevelVariance	Inf
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	Inf
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	0.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	5.610e+195
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.152e+261
original_glrlm_GrayLevelNonUniformity	1.158e+38
original_glrlm_GrayLevelNonUniformityNormalized	1.333e+204
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	Inf
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	Inf
original_glrlm_LongRunLowGrayLevelEmphasis	Inf
original_glrlm_LowGrayLevelRunEmphasis	Inf
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	2.980e-318
original_glrlm_RunPercentage	Inf
original_glrlm_RunVariance	Inf
original_glrlm_ShortRunEmphasis	7.957e+94
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	Inf
original_glszm_GrayLevelNonUniformityNormalized	2.122e-118
original_glszm_GrayLevelVariance	3.261e+117
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	Inf
original_glszm_LargeAreaHighGrayLevelEmphasis	Inf
original_glszm_LargeAreaLowGrayLevelEmphasis	6.543e+239
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	Inf
I	

original_glszm_SizeZoneNonUniformityNormalized	3.214e-56
original_glszm_SmallAreaEmphasis	3.753e+16
original_glszm_SmallAreaHighGrayLevelEmphasis	9.085e+224
original_glszm_SmallAreaLowGrayLevelEmphasis	Inf
original_glszm_ZoneEntropy	2.921e+41
original_glszm_ZonePercentage	1.800e+66
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	5.386e+168
original_ngtdm_Coarseness	2.821e-59
original_ngtdm_Complexity	1.652e+260
original_ngtdm_Contrast	
	Inf 6.481e-11
original_ngtdm_Strength	
original_shape_Elongation	1.229e-05
original_shape_Flatness	8.300e-38
original_shape_LeastAxisLength	6.487e+66
original_shape_MajorAxisLength	6.910e-145
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
	se(coef)
original_firstorder_10Percentile	7.450e+03
original_firstorder_90Percentile	6.524e+03
original_firstorder_Energy	1.007e+06
original_firstorder_Entropy	2.200e+03
original_firstorder_InterquartileRange	5.206e+03
original_firstorder_Kurtosis	4.643e+03
original_firstorder_Maximum	1.046e+05
original_firstorder_Mean	8.907e+03
original_firstorder_MeanAbsoluteDeviation	3.575e+03
original_firstorder_Median	2.399e+04
original_firstorder_Minimum	3.167e+03
original_firstorder_Range	6.708e+03
original_firstorder_RobustMeanAbsoluteDeviation	5.332e+03
original_firstorder_RootMeanSquared	4.472e+03
original_firstorder_Skewness	6.317e+03
original_firstorder_TotalEnergy	1.007e+06
original_firstorder_Uniformity	2.176e+03
original_firstorder_Variance	9.973e+03
original_glcm_Autocorrelation	2.816e+03
original_glcm_ClusterProminence	7.857e+05
original_glcm_ClusterShade	7.448e+04
original_glcm_ClusterTendency	1.994e+04
original_glcm_Contrast	1.173e+04
original_glcm_Correlation	8.420e+03
original_glcm_DifferenceAverage	2.296e+03
original_glcm_DifferenceEntropy	2.232e+03
original_glcm_DifferenceVariance	1.387e+04
original_glcm_Id	2.163e+03
original_glcm_Idm	2.093e+03

original_glcm_Idmn	2.500e+03
original_glcm_Idn	3.838e+03
original_glcm_Imc1	5.922e+03
original_glcm_Imc2	2.266e+03
original_glcm_InverseVariance	1.331e+04
original_glcm_JointAverage	3.155e+03
original_glcm_JointEnergy	2.859e+03
original_glcm_JointEntropy	2.207e+03
original_glcm_MCC	2.864e+03
original_glcm_MaximumProbability	2.504e+03
original_glcm_SumAverage	3.155e+03
original_glcm_SumEntropy	2.332e+03
original_glcm_SumSquares	1.716e+04
original_gldm_DependenceEntropy	6.447e+03
	1.182e+05
original_gldm_DependenceNonUniformity	7.422e+03
original_gldm_DependenceNonUniformityNormalized	
original_gldm_DependenceVariance	3.615e+03
original_gldm_GrayLevelNonUniformity	1.912e+04
original_gldm_GrayLevelVariance	9.968e+03
original_gldm_HighGrayLevelEmphasis	2.861e+03
original_gldm_LargeDependenceEmphasis	3.418e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.067e+05
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.771e+04
original_gldm_LowGrayLevelEmphasis	5.321e+04
original_gldm_SmallDependenceEmphasis	3.392e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis	3.293e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis	7.929e+03
original_glrlm_GrayLevelNonUniformity	2.452e+04
original_glrlm_GrayLevelNonUniformityNormalized	2.485e+03
original_glrlm_GrayLevelVariance	8.604e+03
<pre>original_glrlm_HighGrayLevelRunEmphasis original_glrlm_LongRunEmphasis</pre>	2.870e+03 5.510e+03
original_glrlm_LongRunHighGrayLevelEmphasis	2.434e+04 3.049e+04
<pre>original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis</pre>	5.711e+04
original_glrlm_RunEntropy	6.452e+03
original_glrlm_RunLengthNonUniformity	1.602e+05
original_glrlm_RunLengthNonUniformityNormalized	4.082e+03
original_glrlm_RunPercentage	3.349e+03
original_glrlm_RunVariance	7.001e+03
original_glrlm_ShortRunEmphasis	3.432e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	2.527e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	2.136e+05
original_glszm_GrayLevelNonUniformity	1.549e+04
original_glszm_GrayLevelNonUniformityNormalized	2.922e+03
original_glszm_GrayLevelVariance	4.448e+03 3.536e+03
original_glszm_HighGrayLevelZoneEmphasis	2.860e+04
original_glszm_LargeAreaEmphasis	8.722e+04
original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis	8.722e+04 8.545e+04
original_glszm_LowGrayLevelZoneEmphasis	1.101e+06
original_glszm_SizeZoneNonUniformity	2.012e+05
original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized	5.006e+03
original_glszm_SmallAreaEmphasis	6.433e+03
original_glszm_SmallAreaHighGrayLevelEmphasis	3.324e+03
original_glszm_SmallAreaLowGrayLevelEmphasis	8.919e+04
561.141_6131S.II411AI CALONGI AYECVETEIIIPIIA313	0,0100

,	
original_glszm_ZoneEntropy	4.470e+03
original_glszm_ZonePercentage	3.886e+03
original_glszm_ZoneVariance	2.883e+04
original_ngtdm_Busyness	1.708e+04
original_ngtdm_Coarseness	5.536e+03
original_ngtdm_Complexity	7.562e+03
original_ngtdm_Contrast	5.254e+03
original_ngtdm_Strength	3.686e+03
original_shape_Elongation	1.438e+04
original_shape_Flatness	4.188e+04
original_shape_LeastAxisLength	1.230e+04
original_shape_MajorAxisLength	1.381e+04
original_shape_Maximum2DDiameterColumn	2.203e+04
original_shape_Maximum2DDiameterRow	1.065e+04
original_shape_Maximum2DDiameterSlice	3.014e+04
original_shape_Maximum3DDiameter	2.189e+04
original_shape_MeshVolume	3.444e+04
original_shape_MinorAxisLength	9.728e+03
original_shape_Sphericity	6.335e+04
original_shape_SurfaceArea	8.360e+04
original_shape_SurfaceVolumeRatio	2.534e+04
original_shape_VoxelVolume	3.442e+04
Original_snape_voxelvolume	3.442e+04 Z
oniginal finstandan 10Dancantila	
original_firstorder_10Percentile	-0.034
original_firstorder_90Percentile	0.000
original_firstorder_Energy	0.001
original_firstorder_Entropy	0.030
original_firstorder_InterquartileRange	0.056
original_firstorder_Kurtosis	0.008
original_firstorder_Maximum	-0.012
original_firstorder_Mean	0.066
original_firstorder_MeanAbsoluteDeviation	0.626
original_firstorder_Median	-0.010
original_firstorder_Minimum	0.224
original_firstorder_Range	0.181
original_firstorder_RobustMeanAbsoluteDeviation	-0.303
original_firstorder_RootMeanSquared	-0.076
original_firstorder_Skewness	-0.001
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-0.203
original_firstorder_Variance	-3.748
original_glcm_Autocorrelation	0.194
original_glcm_ClusterProminence	-0.073
original_glcm_ClusterShade	-0.159
original_glcm_ClusterTendency	-0.117
original_glcm_Contrast	0.776
original_glcm_Correlation	-0.005
original_glcm_DifferenceAverage	0.914
original_glcm_DifferenceEntropy	0.107
original_glcm_DifferenceVariance	-1.105
original_glcm_Id	5.510
original_glcm_Idm	-4.576
original_glcm_Idmn	0.063
original_glcm_Idn	0.114
original_glcm_Imc1	-0.063
original_glcm_Imc2	-0.181

original_glcm_InverseVariance	0.104
original_glcm_JointAverage	-0.350
original_glcm_JointEnergy	0.082
original_glcm_JointEntropy	0.245
original_glcm_MCC	0.004
original_glcm_MaximumProbability	0.036
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.430
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	-0.032
original_gldm_DependenceNonUniformity	0.013
original_gldm_DependenceNonUniformityNormalized	-0.129
original_gldm_DependenceVariance	0.013
original_gldm_GrayLevelNonUniformity	-0.014
original_gldm_GrayLevelVariance	3.690
original_gldm_HighGrayLevelEmphasis	-1.917
original_gldm_LargeDependenceEmphasis	1.007
original_gldm_LargeDependenceHighGrayLevelEmphasis	-0.016
original_gldm_LargeDependenceLowGrayLevelEmphasis	-0.659
original_gldm_LowGrayLevelEmphasis	-0.460
original_gldm_SmallDependenceEmphasis	-0.301
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.137
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.076
original_glrlm_GrayLevelNonUniformity	0.004
original_glrlm_GrayLevelNonUniformityNormalized	0.189
original_glrlm_GrayLevelVariance	-0.194
original_glrlm_HighGrayLevelRunEmphasis	2.723
original_glrlm_LongRunEmphasis	-0.490
original_glrlm_LongRunHighGrayLevelEmphasis	0.062
original_glrlm_LongRunLowGrayLevelEmphasis	0.297
original_glrlm_LowGrayLevelRunEmphasis	0.237
original_glrlm_RunEntropy	-0.159
original_glrlm_RunLengthNonUniformity	-0.021
original_glrlm_RunLengthNonUniformityNormalized	-0.179
original_glrlm_RunPercentage	0.813
original_glrlm_RunVariance	0.212
original_glrlm_ShortRunEmphasis	0.064
original_glrlm_ShortRunHighGrayLevelEmphasis	-0.673
original_glrlm_ShortRunLowGrayLevelEmphasis	-0.099
original_glszm_GrayLevelNonUniformity	0.047
original_glszm_GrayLevelNonUniformityNormalized	-0.093
original_glszm_GrayLevelVariance	0.061
original_glszm_HighGrayLevelZoneEmphasis	-0.273
original_glszm_LargeAreaEmphasis	2.108
original_glszm_LargeAreaHighGrayLevelEmphasis	0.009
original_glszm_LargeAreaLowGrayLevelEmphasis	0.006
original_glszm_LowGrayLevelZoneEmphasis	-0.004
original_glszm_SizeZoneNonUniformity	0.004
original_glszm_SizeZoneNonUniformityNormalized	-0.026
original_glszm_SmallAreaEmphasis	0.006
original_glszm_SmallAreaHighGrayLevelEmphasis	0.156
original_glszm_SmallAreaLowGrayLevelEmphasis	0.014
original_glszm_ZoneEntropy	0.021
original_glszm_ZonePercentage	0.039
original_glszm_ZoneVariance	-2.119
original_ngtdm_Busyness	0.023

original_ngtdm_Coarseness	-0.024
original_ngtdm_Complexity	0.079
original_ngtdm_Contrast	0.205
original_ngtdm_Strength	-0.006
original_shape_Elongation	-0.001
original_shape_Flatness	-0.002
original_shape_LeastAxisLength	0.013
original_shape_MajorAxisLength	-0.024
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	0.972919
original_firstorder_90Percentile	0.999853
original_firstorder_Energy	0.999274
original_firstorder_Entropy	0.976311
original_firstorder_InterquartileRange	0.955645
original_firstorder_Kurtosis	0.993252
original_firstorder_Maximum	0.990250
original_firstorder_Mean	0.947559
original_firstorder_MeanAbsoluteDeviation	0.531204
original_firstorder_Median	0.992201
original_firstorder_Minimum	0.822643
original_firstorder_Range	0.856559
original_firstorder_RobustMeanAbsoluteDeviation	0.761557
original_firstorder_RootMeanSquared	0.939341
original_firstorder_Skewness	0.998897
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	0.839289
original_firstorder_Variance	0.000178
original_glcm_Autocorrelation	0.845829
original_glcm_ClusterProminence	0.941416
original_glcm_ClusterShade	0.873998
original_glcm_ClusterTendency	0.906590
original_glcm_Contrast	0.437767
original_glcm_Correlation	0.996092
original_glcm_DifferenceAverage	0.360611
original_glcm_DifferenceEntropy	0.915093
original_glcm_DifferenceVariance	0.269213
original_glcm_Id	3.58e-08
original_glcm_Idm	4.74e-06
original_glcm_Idmn	0.949919
original_glcm_Idn	0.909556
original_glcm_Imc1	0.949457
original_glcm_Imc2	0.856298
original_glcm_InverseVariance	0.917452
original_glcm_JointAverage	0.726495
original_glcm_JointEnergy	0.934596
original_glcm_JointEntropy	0.806088

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)4	J4/2023, 11:51	Simulated examples	IOI	the surviva
	original_glcm_MCC		0.	997170
	original_glcm_Maximu	umProbability	0.	971185
	original_glcm_SumAve	erage	1.	000000
	original_glcm_SumEnt	tropy	0.	667166
	original_glcm_SumSqu	uares	1.	000000
	original_gldm_Depend	denceEntropy	0.	974178
	original_gldm_Depend	· ·	0.	989809
		denceNonUniformityNormalized	0.	896973
	original_gldm_Depend	-	0.	989636
	original_gldm_GrayLe			988736
	original_gldm_GrayLe			000225
	original_gldm_HighGr			055183
	original_gldm_Large[			314018
		DependenceHighGrayLevelEmphasis		
		DependenceLowGrayLevelEmphasis		510108
	original_gldm_LowGra		-	645536
	original_gldm_Small			763604
		·		891115
		DependenceLowGrayLevelEmphasis		939567
	original_glrlm_Gray			997148
		_evelNonUniformityNormalized		849980
	original_glrlm_Gray	-		846482
	original_glrlm_High(			006467
	original_glrlm_LongF			624472
		RunHighGrayLevelEmphasis		950440
		RunLowGrayLevelEmphasis		766820
	original_glrlm_LowGr			381811
	original_glrlm_RunEr			873592
	original_glrlm_RunLe			983410
		engthNonUniformityNormalized		857854
	original_glrlm_RunPe	_		416198
	original_glrlm_RunVa			832010
	original_glrlm_Short	•		949239
		tRunHighGrayLevelEmphasis		500921
		tRunLowGrayLevelEmphasis		921270
	original_glszm_GrayI	-		962649
		_evelNonUniformityNormalized		926127
	original_glszm_Gray			951489
		GrayLevelZoneEmphasis	0.	784777
	original_glszm_Large			035051
		eAreaHighGrayLevelEmphasis		993122
		eAreaLowGrayLevelEmphasis		994844
	original_glszm_LowGr	·	0.	997142
	original_glszm_Size		0.	996824
		ZoneNonUniformityNormalized	0.	979635
	original_glszm_Small	lAreaEmphasis	0.	995267
		lAreaHighGrayLevelEmphasis	0.	876165
	original_glszm_Small	lAreaLowGrayLevelEmphasis	0.	989135
	original_glszm_Zone		0.	982959
	original_glszm_ZoneF	_	0.	968684
	original_glszm_Zone\	/ariance	0.	034119
	original_ngtdm_Busyr	ness	0.	981850
	original_ngtdm_Coars	seness	0.	980573
	original_ngtdm_Compl	lexity	0.	936846
	original_ngtdm_Contr	rast	0.	837940
	original_ngtdm_Stren	ngth	0.	994922
1	I			

```
original shape Elongation
                                                    0.999373
original shape Flatness
                                                    0.998373
original shape LeastAxisLength
                                                    0.990024
original shape MajorAxisLength
                                                    0.980825
original_shape_Maximum2DDiameterColumn
                                                    1.000000
original shape Maximum2DDiameterRow
                                                    1.000000
original_shape_Maximum2DDiameterSlice
                                                    1.000000
original_shape_Maximum3DDiameter
                                                    1.000000
original_shape_MeshVolume
                                                    1.000000
original_shape_MinorAxisLength
                                                    1.000000
original_shape_Sphericity
                                                    1.000000
original_shape_SurfaceArea
                                                    1.000000
original_shape_SurfaceVolumeRatio
                                                    1.000000
original_shape_VoxelVolume
                                                    1.000000
Likelihood ratio test=27.06 on 107 df, p=1
n= 95, number of events= 3
$model_list[[3]]$coxmodels[[5]]
Call:
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                      1.313e+03
original_firstorder_90Percentile
                                                      4.865e+03
original firstorder Energy
                                                     -1.044e+03
original firstorder Entropy
                                                     -2.501e+03
                                                     -3.296e+03
original_firstorder_InterquartileRange
original_firstorder_Kurtosis
                                                      8.403e+02
original_firstorder_Maximum
                                                     -1.083e+04
                                                     -9.862e+03
original_firstorder_Mean
original_firstorder_MeanAbsoluteDeviation
                                                     -6.649e+03
original_firstorder_Median
                                                      6.568e+03
original firstorder Minimum
                                                      6.809e+03
                                                      1.396e+04
original_firstorder_Range
original_firstorder_RobustMeanAbsoluteDeviation
                                                      1.007e+04
original firstorder RootMeanSquared
                                                     -6.646e+03
original firstorder Skewness
                                                      1.643e+03
original_firstorder_TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                     -3.286e+02
original firstorder Variance
                                                      2.977e+04
original glcm Autocorrelation
                                                      2.807e+03
original glcm ClusterProminence
                                                     -3.560e+04
original glcm ClusterShade
                                                     -4.363e+04
original glcm ClusterTendency
                                                     -5.147e+03
original glcm Contrast
                                                     -1.020e+05
original glcm Correlation
                                                     -2.225e+03
original glcm DifferenceAverage
                                                      8.281e+03
original glcm DifferenceEntropy
                                                     -2.422e+02
original glcm DifferenceVariance
                                                      4.432e+04
original_glcm_Id
                                                     -1.731e+01
original glcm Idm
                                                      1.474e+03
original_glcm_Idmn
                                                      6.677e+01
original_glcm_Idn
                                                      0.000e+00
```

4/2025, 11.51 Simulated examples	o ioi tile suivival eli
original_glcm_Imc1	-9.327e+02
original_glcm_Imc2	0.000e+00
original_glcm_InverseVariance	-6.754e+01
original_glcm_JointAverage	3.791e+01
original_glcm_JointEnergy	2.182e+02
original_glcm_JointEntropy	0.000e+00
original_glcm_MCC	0.000e+00
original_glcm_MaximumProbability	0.000e+00
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	-7.699e+02
original_gldm_DependenceEntropy	0.000e+00
original_gldm_DependenceNonUniformity	0.000e+00
original_gldm_DependenceNonUniformityNormalized	0.000e+00
original_gldm_DependenceVariance	-7.283e+00
original_gldm_GrayLevelNonUniformity	1.974e+02
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	2.984e+02
original_gldm_LargeDependenceEmphasis	1.089e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	0.000e+00
	0.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00
original_glrlm_GrayLevelNonUniformity	2.303e+02
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	-1.079e+03
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	0.000e+00
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	-5.100e+01
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	8.540e+01
original_glszm_ZoneEntropy	0.000e+00
original_glszm_ZonePercentage	0.000e+00
0	

14/2023, 11.31	Simulated examples for the survival en
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	0.000e+00
original_ngtdm_Coarseness	0.000e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	-5.567e+01
original_shape_Elongation	0.000e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	0.000e+00
original_shape_Maximum2DDiameterColu	mn 0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlic	
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
or iginal_shape_voxervorume	exp(coef)
original_firstorder_10Percentile	Inf
original_firstorder_90Percentile	Inf
	0.000e+00
original_firstorder_Energy	
original_firstorder_Entropy	0.000e+00 ge 0.000e+00
original_firstorder_InterquartileRan	
original_firstorder_Kurtosis	Inf
original_firstorder_Maximum	0.000e+00
original_firstorder_Mean	0.000e+00
original_firstorder_MeanAbsoluteDevi	
original_firstorder_Median	Inf
original_firstorder_Minimum	Inf
original_firstorder_Range	Inf
original_firstorder_RobustMeanAbsolu	
original_firstorder_RootMeanSquared	0.000e+00
original_firstorder_Skewness	Inf
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	1.904e-143
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	0.000e+00
original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	6.220e-106
original_glcm_DifferenceVariance	Inf
original_glcm_Id	3.037e-08
original_glcm_Idm	Inf
original_glcm_Idmn	9.992e+28
original_glcm_Idn	1.000e+00
original_glcm_Imc1	0.000e+00
original_glcm_Imc2	1.000e+00
original_glcm_InverseVariance	4.650e-30
original_glcm_JointAverage	2.909e+16

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	original_glcm_JointEnergy	6.060e+94
	original_glcm_JointEntropy	1.000e+00
	original_glcm_MCC	1.000e+00
	original_glcm_MaximumProbability	1.000e+00
	original_glcm_SumAverage	1.000e+00
	original_glcm_SumEntropy	1.000e+00
	original_glcm_SumSquares	0.000e+00
	original_gldm_DependenceEntropy	1.000e+00
	original_gldm_DependenceNonUniformity	1.000e+00
	original_gldm_DependenceNonUniformityNormalized	1.000e+00
	original_gldm_DependenceVariance	6.868e-04
	original_gldm_GrayLevelNonUniformity	5.217e+85
	original_gldm_GrayLevelVariance	1.000e+00
	original_gldm_HighGrayLevelEmphasis	3.899e+129
	original_gldm_LargeDependenceEmphasis	1.942e+47
	$original\_gldm\_LargeDependenceHighGrayLevelEmphas is$	1.000e+00
	original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000e+00
	original_gldm_LowGrayLevelEmphasis	1.000e+00
	original_gldm_SmallDependenceEmphasis	1.000e+00
	$original\_gldm\_SmallDependence High Gray Level Emphas is$	1.000e+00
	original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000e+00
	original_glrlm_GrayLevelNonUniformity	1.055e+100
	original_glrlm_GrayLevelNonUniformityNormalized	1.000e+00
	original_glrlm_GrayLevelVariance	1.000e+00
	original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
	original_glrlm_LongRunEmphasis	1.000e+00
	original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
	original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
	original_glrlm_LowGrayLevelRunEmphasis	1.000e+00
	original_glrlm_RunEntropy	1.000e+00
	original_glrlm_RunLengthNonUniformity	1.000e+00
	original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
	original_glrlm_RunPercentage	1.000e+00
	original_glrlm_RunVariance	1.000e+00
	original_glrlm_ShortRunEmphasis	1.000e+00
	original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
	original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
	original_glszm_GrayLevelNonUniformity	1.000e+00
	original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
	original_glszm_GrayLevelVariance	1.000e+00
	original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
	original_glszm_LargeAreaEmphasis	1.000e+00
	original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
	original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
	original_glszm_LowGrayLevelZoneEmphasis	7.131e-23
	original_glszm_SizeZoneNonUniformity	1.000e+00
	original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
	original_glszm_SmallAreaEmphasis	1.000e+00
	original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
	original_glszm_SmallAreaLowGrayLevelEmphasis	1.222e+37
	original_glszm_ZoneEntropy	1.000e+00
	original_glszm_ZonePercentage	1.000e+00
	original_glszm_ZoneVariance	1.000e+00
	original_ngtdm_Busyness	1.000e+00
	original_ngtdm_Coarseness	1.000e+00
	original_ngtdm_Complexity	1.000e+00

original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	6.672e-25
original_shape_Elongation	1.000e+00
original_shape_Flatness	1.000e+00
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
	se(coef)
original_firstorder_10Percentile	1.184e+04
original_firstorder_90Percentile	1.091e+04
original_firstorder_Energy	7.399e+04
original_firstorder_Entropy	7.499e+03
original_firstorder_InterquartileRange	3.198e+04
original_firstorder_Kurtosis	5.861e+03
original_firstorder_Maximum	1.433e+04
original_firstorder_Mean	8.251e+03
original_firstorder_MeanAbsoluteDeviation	1.369e+04
original_firstorder_Median	9.875e+03
original_firstorder_Minimum	1.670e+04
original_firstorder_Range	1.465e+04
original_firstorder_RobustMeanAbsoluteDeviation	2.506e+04
original firstorder RootMeanSquared	3.640e+04
original_firstorder_Skewness	8.246e+03
original_firstorder_TotalEnergy	7.399e+04
original_firstorder_Uniformity	9.121e+03
original_firstorder_Variance	4.211e+04
original_glcm_Autocorrelation	1.446e+04
original_glcm_ClusterProminence	1.653e+06
original_glcm_ClusterShade	1.951e+05
original_glcm_ClusterTendency	6.372e+04
original_glcm_Contrast	5.530e+04
original_glcm_Correlation	9.439e+03
original_glcm_DifferenceAverage	1.054e+04
original_glcm_DifferenceEntropy	7.684e+03
original_glcm_DifferenceVariance	5.857e+04
original_glcm_Id	8.210e+03
original_glcm_Idm	7.935e+03
original_glcm_Idmn	7.190e+03
original_glcm_Idn	1.016e+04
OLIGINAL SICH INL	T. OTOCTOH
original_glcm_Imc1	1.389e+04
original_glcm_Imc1 original_glcm_Imc2	1.389e+04 8.971e+03
<pre>original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance</pre>	1.389e+04 8.971e+03 1.072e+04
<pre>original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance original_glcm_JointAverage</pre>	1.389e+04 8.971e+03 1.072e+04 1.936e+04
<pre>original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance original_glcm_JointAverage original_glcm_JointEnergy</pre>	1.389e+04 8.971e+03 1.072e+04 1.936e+04 1.049e+04
original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance original_glcm_JointAverage original_glcm_JointEnergy original_glcm_JointEntropy	1.389e+04 8.971e+03 1.072e+04 1.936e+04 1.049e+04 7.380e+03
<pre>original_glcm_Imc1 original_glcm_Imc2 original_glcm_InverseVariance original_glcm_JointAverage original_glcm_JointEnergy</pre>	1.389e+04 8.971e+03 1.072e+04 1.936e+04 1.049e+04

original_glcm_SumAverage	1.936e+04
original_glcm_SumEntropy	7.772e+03
original_glcm_SumSquares	6.244e+04
original_gldm_DependenceEntropy	1.184e+04
original_gldm_DependenceNonUniformity	5.786e+04
original_gldm_DependenceNonUniformityNormalized	1.768e+04
original_gldm_DependenceVariance	9.742e+03
original_gldm_GrayLevelNonUniformity	3.586e+04
original_gldm_GrayLevelVariance	4.216e+04
original_gldm_HighGrayLevelEmphasis	1.430e+04
original_gldm_LargeDependenceEmphasis	1.430e+04 1.131e+04
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.333e+04
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.413e+05
original_gldm_LowGrayLevelEmphasis	3.364e+05
original_gldm_SmallDependenceEmphasis	1.425e+04
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.753e+04
original_gldm_SmallDependenceLowGrayLevelEmphasis	5.962e+04
original_glrlm_GrayLevelNonUniformity	5.274e+04
original_glrlm_GrayLevelNonUniformityNormalized	7.224e+03
	2.806e+04
<pre>original_glrlm_GrayLevelVariance original_glrlm_HighGrayLevelRunEmphasis</pre>	1.390e+04
original_glrlm_LongRunEmphasis	1.345e+04
original_glrlm_LongRunHighGrayLevelEmphasis	1.229e+04
original_glrlm_LongRunLowGrayLevelEmphasis	2.086e+05
original_glrlm_LowGrayLevelRunEmphasis	2.545e+05
original_glrlm_RunEntropy	1.059e+04
original_glrlm_RunLengthNonUniformity	3.248e+04
original_glrlm_RunLengthNonUniformityNormalized	1.382e+04
original_glrlm_RunPercentage	1.229e+04
original_glrlm_RunVariance	1.475e+04
original_glrlm_ShortRunEmphasis	1.123e+04
original_glrlm_ShortRunHighGrayLevelEmphasis	1.217e+04
original_glrlm_ShortRunLowGrayLevelEmphasis	2.103e+05
original_glszm_GrayLevelNonUniformity	4.339e+04
original_glszm_GrayLevelNonUniformityNormalized	9.818e+03
original glszm GrayLevelVariance	1.519e+04
original_glszm_HighGrayLevelZoneEmphasis	1.016e+04
original_glszm_LargeAreaEmphasis	3.498e+04
original_glszm_LargeAreaHighGrayLevelEmphasis	3.156e+04
original_glszm_LargeAreaLowGrayLevelEmphasis	2.663e+05
original_glszm_LowGrayLevelZoneEmphasis	9.670e+04
original_glszm_SizeZoneNonUniformity	1.478e+04
original_glszm_SizeZoneNonUniformityNormalized	4.758e+03
original_glszm_SmallAreaEmphasis	5.664e+03
original_glszm_SmallAreaHighGrayLevelEmphasis	1.259e+04
original_glszm_SmallAreaLowGrayLevelEmphasis	5.524e+04
original_glszm_ZoneEntropy	9.913e+03
original_glszm_ZonePercentage	1.659e+04
original_glszm_ZoneVariance	3.519e+04
original_ngtdm_Busyness	7.686e+04
original_ngtdm_Coarseness	5.746e+04
original_ngtdm_Complexity	2.658e+04
original_ngtdm_Contrast	4.219e+04
original_ngtdm_Strength	2.820e+04
original_shape_Elongation	5.759e+03
original_shape_Flatness	9.242e+03

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original_shape_LeastAxisLength	1.883e+04
original_shape_MajorAxisLength	4.218e+04
original_shape_Maximum2DDiameterColumn	3.879e+04
original_shape_Maximum2DDiameterRow	3.019e+04
original_shape_Maximum2DDiameterSlice	1.058e+04
original_shape_Maximum3DDiameter	4.552e+04
original_shape_MeshVolume	3.420e+04
original_shape_MinorAxisLength	1.501e+04
original_shape_Sphericity	1.535e+04
original_shape_SurfaceArea	6.807e+04
original_shape_SurfaceVolumeRatio	2.274e+04
original_shape_VoxelVolume	3.445e+04
	Z
original_firstorder_10Percentile	0.111
original_firstorder_90Percentile	0.446
original_firstorder_Energy	-0.014
original_firstorder_Entropy	-0.333
original_firstorder_InterquartileRange	-0.103
original_firstorder_Kurtosis	0.143
original_firstorder_Maximum	-0.756
original_firstorder_Mean	-1.195
original_firstorder_MeanAbsoluteDeviation	-0.486
original_firstorder_Median	0.665
	0.408
original_firstorder_Minimum	
original_firstorder_Range	0.953
original_firstorder_RobustMeanAbsoluteDeviation	0.402
original_firstorder_RootMeanSquared	-0.183
original_firstorder_Skewness	0.199
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-0.036
original_firstorder_Variance	0.707
original_glcm_Autocorrelation	0.194
original_glcm_ClusterProminence	-0.022
original_glcm_ClusterShade	-0.224
original_glcm_ClusterTendency	-0.081
original_glcm_Contrast	-1.845
original_glcm_Correlation	-0.236
original_glcm_DifferenceAverage	0.786
original_glcm_DifferenceEntropy	-0.032
original_glcm_DifferenceVariance	0.757
original_glcm_Id	-0.002
original_glcm_Idm	0.186
original_glcm_Idmn	0.009
original_glcm_Idn	0.000
original_glcm_Imc1	-0.067
original_glcm_Imc2	0.000
original_glcm_InverseVariance	-0.006
original_glcm_JointAverage	0.002
original_glcm_JointEnergy	0.021
original_glcm_JointEntropy	0.000
original_glcm_MCC	0.000
original_glcm_MaximumProbability	0.000
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.000
original_glcm_SumSquares	-0.012
original_gldm_DependenceEntropy	0.000

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original_gldm_DependenceNonUniformity	0.000
original_gldm_DependenceNonUniformityNormalized	0.000
original_gldm_DependenceVariance	-0.001
original_gldm_GrayLevelNonUniformity	0.006
original_gldm_GrayLevelVariance	0.000
original_gldm_HighGrayLevelEmphasis	0.021
original_gldm_LargeDependenceEmphasis	0.010
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000
original_gldm_LowGrayLevelEmphasis	0.000
original_gldm_SmallDependenceEmphasis	0.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000
original_glrlm_GrayLevelNonUniformity	0.004
original_glrlm_GrayLevelNonUniformityNormalized	0.000
original_glrlm_GrayLevelVariance	0.000
	-0.078
original_glrlm_LongRunEmphasis	0.000
original_glrlm_LongRunHighGrayLevelEmphasis	0.000
original_glrlm_LongRunLowGrayLevelEmphasis	0.000
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original glrlm ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	
	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
	-0.001
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.002
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
0	-0.002
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000

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- · · · · · · · · · · · · · · · · · · ·	
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	0.912
original_firstorder_90Percentile	0.656
original_firstorder_Energy	0.989
original_firstorder_Entropy	0.739
original_firstorder_InterquartileRange	0.918
original_firstorder_Kurtosis	0.886
original_firstorder_Maximum	0.450
original_firstorder_Mean	0.232
original_firstorder_MeanAbsoluteDeviation	0.627
original_firstorder_Median	0.506
original_firstorder_Minimum	0.683
original_firstorder_Range	0.340
original_firstorder_RobustMeanAbsoluteDeviation	0.688
original_firstorder_RootMeanSquared	0.855
original_firstorder_Skewness	0.842
original_firstorder_TotalEnergy	1.000
original_firstorder_Uniformity	0.971
original_firstorder_Variance	0.480
original_glcm_Autocorrelation	0.846
original_glcm_ClusterProminence	0.983
original_glcm_ClusterShade	0.823
original_glcm_ClusterTendency	0.936
original_glcm_Contrast	0.065
original_glcm_Correlation	0.814
original_glcm_DifferenceAverage	0.432
original_glcm_DifferenceEntropy	0.975
original_glcm_DifferenceVariance	0.449
original_glcm_Id	0.998
original_glcm_Idm	0.853
original_glcm_Idmn	0.993
original_glcm_Idn	1.000
original_glcm_Imc1	0.946
original_glcm_Imc2	1.000
original_glcm_InverseVariance	0.995
original_glcm_JointAverage	0.998
original_glcm_JointEnergy	0.983
original_glcm_JointEntropy	1.000
original_glcm_MCC	1.000
original_glcm_MaximumProbability	1.000
original_glcm_SumAverage	1.000
original_glcm_SumEntropy	1.000
original_glcm_SumSquares	0.990
original_gldm_DependenceEntropy	1.000
original_gldm_DependenceNonUniformity	1.000
original_gldm_DependenceNonUniformityNormalized	1.000
original_gldm_DependenceVariance	0.999
original_gldm_GrayLevelNonUniformity	0.996
J - 20 - 21 - 1, 22 - 22 - 23 - 24 - 24 - 24 - 24 - 24 -	2 <del></del>

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oniginal aldm ChaylovalVaniansa	1 000
original_gldm_GrayLevelVariance	1.000
original_gldm_HighGrayLevelEmphasis	0.983
original_gldm_LargeDependenceEmphasis	0.992
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000
original_gldm_LowGrayLevelEmphasis	1.000
original_gldm_SmallDependenceEmphasis	1.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000
original_glrlm_GrayLevelNonUniformity	0.997
original_glrlm_GrayLevelNonUniformityNormalized	1.000
original_glrlm_GrayLevelVariance	1.000
original_glrlm_HighGrayLevelRunEmphasis	0.938
original_glrlm_LongRunEmphasis	1.000
	1.000
original_glrlm_LongRunHighGrayLevelEmphasis	
original_glrlm_LongRunLowGrayLevelEmphasis	1.000
original_glrlm_LowGrayLevelRunEmphasis	1.000
original_glrlm_RunEntropy	1.000
original_glrlm_RunLengthNonUniformity	1.000
original_glrlm_RunLengthNonUniformityNormalized	1.000
original_glrlm_RunPercentage	1.000
original_glrlm_RunVariance	1.000
original_glrlm_ShortRunEmphasis	1.000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000
original_glszm_GrayLevelNonUniformity	1.000
original_glszm_GrayLevelNonUniformityNormalized	1.000
original_glszm_GrayLevelVariance	1.000
original_glszm_HighGrayLevelZoneEmphasis	1.000
original_glszm_LargeAreaEmphasis	1.000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000
original_glszm_LowGrayLevelZoneEmphasis	1.000
original glszm SizeZoneNonUniformity	1.000
original_glszm_SizeZoneNonUniformityNormalized	1.000
original_glszm_SmallAreaEmphasis	1.000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.999
original_glszm_ZoneEntropy	1.000
	1.000
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	1.000
original_ngtdm_Busyness	1.000
original_ngtdm_Coarseness	1.000
original_ngtdm_Complexity	1.000
original_ngtdm_Contrast	1.000
original_ngtdm_Strength	0.998
original_shape_Elongation	1.000
original_shape_Flatness	1.000
original_shape_LeastAxisLength	1.000
original_shape_MajorAxisLength	1.000
original_shape_Maximum2DDiameterColumn	1.000
original_shape_Maximum2DDiameterRow	1.000
original_shape_Maximum2DDiameterSlice	1.000
original_shape_Maximum3DDiameter	1.000
original_shape_MeshVolume	1.000
original_shape_MinorAxisLength	1.000

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```
original_shape_Sphericity
                                                    1.000
original shape SurfaceArea
                                                    1.000
original shape SurfaceVolumeRatio
                                                    1.000
original shape VoxelVolume
                                                    1.000
Likelihood ratio test=31.76 on 107 df, p=1
n= 26, number of events= 5
$model_list[[3]]$coxmodels[[6]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                     -1.125e+05
original firstorder 90Percentile
                                                     -4.106e+04
                                                      3.149e+04
original firstorder Energy
original_firstorder_Entropy
                                                      1.298e+05
original_firstorder_InterquartileRange
                                                      3.036e+05
original firstorder Kurtosis
                                                      3.312e+02
original firstorder Maximum
                                                     -1.739e+03
original_firstorder_Mean
                                                     -8.092e+04
original_firstorder_MeanAbsoluteDeviation
                                                      1.904e+04
original firstorder Median
                                                      1.271e+05
original_firstorder_Minimum
                                                     -2.715e+04
                                                      0.000e+00
original_firstorder_Range
original firstorder RobustMeanAbsoluteDeviation
                                                     -3.434e+05
original firstorder RootMeanSquared
                                                     -3.469e+02
original_firstorder_Skewness
                                                      8.725e+02
original_firstorder_TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                      1.969e+05
original_firstorder_Variance
                                                      2.748e+05
original_glcm_Autocorrelation
                                                      5.475e+05
original_glcm_ClusterProminence
                                                      4.337e+06
original glcm ClusterShade
                                                      7.478e+05
original_glcm_ClusterTendency
                                                      2.898e+04
original_glcm_Contrast
                                                     -1.251e+06
original glcm Correlation
                                                      9.264e+02
original glcm DifferenceAverage
                                                      8.168e+04
original_glcm_DifferenceEntropy
                                                     -1.240e+05
original_glcm_DifferenceVariance
                                                      1.393e+06
original glcm Id
                                                     -8.594e+05
original glcm Idm
                                                      8.036e+05
original glcm Idmn
                                                      4.359e+04
original glcm Idn
                                                     -1.067e+04
original glcm Imc1
                                                     -6.649e+03
original glcm Imc2
                                                      1.351e+04
original_glcm_InverseVariance
                                                     -7.704e+04
original glcm JointAverage
                                                      3.360e+05
original glcm JointEnergy
                                                     -1.559e+05
original glcm JointEntropy
                                                      1.875e+05
original_glcm_MCC
                                                     -1.365e+04
original glcm MaximumProbability
                                                      1.236e+04
original_glcm_SumAverage
                                                      0.000e+00
original_glcm_SumEntropy
                                                     -1.505e+05
```

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	original_glcm_SumSquares	0.000e+00
	original_gldm_DependenceEntropy	-2.090e+04
	original_gldm_DependenceNonUniformity	-3.982e+04
	original_gldm_DependenceNonUniformityNormalized	3.810e+04
	original_gldm_DependenceVariance	1.598e+04
	original_gldm_GrayLevelNonUniformity	-4.768e+04
	original_gldm_GrayLevelVariance	-6.454e+05
	original_gldm_HighGrayLevelEmphasis	-7.872e+05
	original_gldm_LargeDependenceEmphasis	3.702e+04
	original_gldm_LargeDependenceHighGrayLevelEmphasis	-2.837e+03
	original_gldm_LargeDependenceLowGrayLevelEmphasis	5.818e+03
	original_gldm_LowGrayLevelEmphasis	7.303e+05
	original_gldm_SmallDependenceEmphasis	1.494e+03
	original_gldm_SmallDependenceHighGrayLevelEmphasis	1.673e+04
	original_gldm_SmallDependenceLowGrayLevelEmphasis	-8.468e+04
	original_glrlm_GrayLevelNonUniformity	6.913e+04
	original_glrlm_GrayLevelNonUniformityNormalized	1.915e+02
	original_glrlm_GrayLevelVariance	1.670e+02
	original_glrlm_HighGrayLevelRunEmphasis	-2.239e+03
	original_glrlm_LongRunEmphasis	4.498e+01
	original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
	original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
	original_glrlm_LowGrayLevelRunEmphasis	-1.801e+03
	original_glrlm_RunEntropy	0.000e+00
	original_glrlm_RunLengthNonUniformity	0.000e+00
	original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
	original_glrlm_RunPercentage	0.000e+00
	original_glrlm_RunVariance	0.000e+00
	original_glrlm_ShortRunEmphasis	0.000e+00
	original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
	original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
	original_glszm_GrayLevelNonUniformity	0.000e+00
	original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
	original_glszm_GrayLevelVariance	0.000e+00
	original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
	original_glszm_LargeAreaEmphasis	0.000e+00
	original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
	original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
	original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
	original_glszm_SizeZoneNonUniformity	0.000e+00
	original_glszm_SizeZoneNonUniformityNormalized	-3.257e+02
	original_glszm_SmallAreaEmphasis	0.000e+00
	original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
	original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
	original_glszm_ZoneEntropy	1.703e+01
	original_glszm_ZonePercentage	0.000e+00
	original_glszm_ZoneVariance	0.000e+00
	original_ngtdm_Busyness	0.000e+00
	original_ngtdm_Coarseness	0.000e+00
	original_ngtdm_Complexity	0.000e+00
	original_ngtdm_Contrast	0.000e+00
	original_ngtdm_Strength	0.000e+00
	original_shape_Elongation	-2.273e+01
	original_shape_Flatness	6.505e+00
	original_shape_LeastAxisLength	0.000e+00
	original_shape_MajorAxisLength	0.000e+00
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original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00
0 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	exp(coef)
original_firstorder_10Percentile	0.000e+00
original_firstorder_90Percentile	0.000e+00
original_firstorder_Energy	Inf
original_firstorder_Entropy	Inf
original_firstorder_InterquartileRange	Inf
original_firstorder_Kurtosis	7.159e+143
original firstorder Maximum	0.000e+00
original_firstorder_Mean	0.000e+00
original_firstorder_MeanAbsoluteDeviation	Inf
original_firstorder_Median	Inf
original_firstorder_Minimum	0.000e+00
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	0.000e+00
original_firstorder_RootMeanSquared	2.226e-151
original_firstorder_Skewness	Inf
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	Inf
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	Inf
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	Inf
original_glcm_DifferenceAverage	Inf
original_glcm_DifferenceEntropy	0.000e+00
original_glcm_DifferenceVariance	Inf
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	Inf
original_glcm_Idn	0.000e+00
original_glcm_Imc1	0.000e+00
original_glcm_Imc2	Inf
original_glcm_InverseVariance	0.000e+00
original_glcm_JointAverage	Inf
original_glcm_JointEnergy	0.000e+00
original_glcm_JointEntropy	Inf
original_glcm_MCC	0.000e+00
original_glcm_MaximumProbability	Inf
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	0.000e+00
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	0.000e+00
original_gldm_DependenceNonUniformity	0.000e+00
original_gldm_DependenceNonUniformityNormalized	Inf
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original_gldm_DependenceVariance	Inf
original_gldm_GrayLevelNonUniformity	0.000e+00
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	Inf
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceLowGrayLevelEmphasis	Inf
original_gldm_LowGrayLevelEmphasis	Inf
original_gldm_SmallDependenceEmphasis	Inf
original_gldm_SmallDependenceHighGrayLevelEmphasis	Inf
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000e+00
original_glrlm_GrayLevelNonUniformity	Inf
original_glrlm_GrayLevelNonUniformityNormalized	
original_glrlm_GrayLevelVariance	1.512e+83 3.227e+72
	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	3.428e+19
original_glrlm_LongRunHighCrayLovelEmphasis	
original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
original_glrlm_LowGrayLevelRunEmphasis	0.000e+00
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	1.000e+00
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00 1.000e+00
original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	3.696e-142
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original glszm ZoneEntropy	2.494e+07
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	1.000e+00
original_ngtdm_Coarseness	1.000e+00
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	1.350e-10
original_shape_Flatness	6.688e+02
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	1.000e+00
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00

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original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
original_shape_VoxelVolume	1.000e+00
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original_firstorder_10Percentile	3.022e+02
original_firstorder_90Percentile	3.166e+02
original_firstorder_Energy	5.798e+02
original_firstorder_Entropy	1.150e+02
original_firstorder_InterquartileRange	3.180e+02
original_firstorder_Kurtosis	2.249e+02
original_firstorder_Maximum	1.026e+02
original_firstorder_Mean	2.010e+02
original_firstorder_MeanAbsoluteDeviation	2.232e+02
original_firstorder_Median	1.928e+02
original_firstorder_Minimum	1.288e+02
original_firstorder_Range	9.984e+01
original_firstorder_RobustMeanAbsoluteDeviation	3.381e+02
original_firstorder_RootMeanSquared	3.295e+02
original_firstorder_Skewness	9.054e+01
original_firstorder_TotalEnergy	5.798e+02
original_firstorder_Uniformity	1.089e+02
original_firstorder_Variance	5.918e+02
original_glcm_Autocorrelation	1.131e+02
original_glcm_ClusterProminence	1.230e+04
original_glcm_ClusterShade	1.700e+03
original_glcm_ClusterTendency	6.857e+02
original_glcm_Contrast	1.005e+03
original_glcm_Correlation	1.181e+02
original_glcm_DifferenceAverage	1.743e+02
original_glcm_DifferenceEntropy	1.246e+02
original_glcm_DifferenceVariance	1.091e+03
original_glcm_Id	1.351e+02
original_glcm_Idm	1.350e+02
original_glcm_Idmn	4.797e+02
original_glcm_Idn	4.280e+02
original_glcm_Imc1	1.407e+02
original_glcm_Imc2	1.060e+02
original_glcm_InverseVariance	1.538e+02
original_glcm_JointAverage	1.380e+02
original_glcm_JointEnergy	1.243e+02
original_glcm_JointEntropy	1.153e+02
original_glcm_MCC	1.704e+02
original_glcm_MaximumProbability	1.042e+02
original_glcm_SumAverage	1.380e+02
original_glcm_SumEntropy	1.096e+02
original_glcm_SumSquares	7.294e+02
original_gldm_DependenceEntropy	1.619e+02
original_gldm_DependenceNonUniformity	1.791e+02
original_gldm_DependenceNonUniformityNormalized	2.226e+02
original_gldm_DependenceVariance	2.161e+02
original_gldm_GrayLevelNonUniformity	1.399e+02
original_gldm_GrayLevelVariance	5.920e+02
original_gldm_HighGrayLevelEmphasis	1.130e+02

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original_gldm_LargeDependenceEmphasis	1.597e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.797e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	8.986e+02
original_gldm_LowGrayLevelEmphasis	2.367e+03
original_gldm_SmallDependenceEmphasis	2.203e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	2.053e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.547e+03
original_glrlm_GrayLevelNonUniformity	1.727e+02
original_glrlm_GrayLevelNonUniformityNormalized	1.727c+02 1.240e+02
original_glrlm_GrayLevelVariance	4.090e+02
original_glrlm_HighGrayLevelRunEmphasis	1.140e+02
original_glrlm_LongRunEmphasis	1.056e+02
original_glrlm_LongRunHighGrayLevelEmphasis	1.478e+02
original_glrlm_LongRunLowGrayLevelEmphasis	9.951e+02
original_glrlm_LowGrayLevelRunEmphasis	2.783e+03
original_glrlm_RunEntropy	1.768e+02
original_glrlm_RunLengthNonUniformity	2.465e+02
original_glrlm_RunLengthNonUniformityNormalized	2.321e+02
original_glrlm_RunPercentage	1.808e+02
original_glrlm_RunVariance	1.039e+02
original_glrlm_ShortRunEmphasis	1.855e+02
original_glrlm_ShortRunHighGrayLevelEmphasis	1.174e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	5.014e+03
original_glszm_GrayLevelNonUniformity	2.634e+02
original_glszm_GrayLevelNonUniformityNormalized	1.064e+02
original_glszm_GrayLevelVariance	1.342e+02
original_glszm_HighGrayLevelZoneEmphasis	1.289e+02
original_glszm_LargeAreaEmphasis	6.918e+01
original_glszm_LargeAreaHighGrayLevelEmphasis	1.713e+02
original_glszm_LargeAreaLowGrayLevelEmphasis	2.736e+02
original_glszm_LowGrayLevelZoneEmphasis	1.622e+03
original_glszm_SizeZoneNonUniformity	1.431e+02
original_glszm_SizeZoneNonUniformityNormalized	1.993e+02
original_glszm_SmallAreaEmphasis	2.224e+02
original_glszm_SmallAreaHighGrayLevelEmphasis	1.178e+02
original_glszm_SmallAreaLowGrayLevelEmphasis	9.574e+02
original_glszm_ZoneEntropy	1.006e+02
original_glszm_ZonePercentage	2.252e+02
original_glszm_ZoneVariance	6.929e+01
original_ngtdm_Busyness	1.986e+02
original_ngtdm_Coarseness	1.655e+03
original_ngtdm_Complexity	2.076e+02
original_ngtdm_Contrast	1.700e+03
original_ngtdm_Strength	6.114e+02
original_shape_Elongation	1.124e+02
original_shape_Flatness	1.718e+02
original_shape_LeastAxisLength	3.092e+02
original_shape_MajorAxisLength	2.070e+02
original_shape_Maximum2DDiameterColumn	3.521e+02
original_shape_Maximum2DDiameterRow	1.521e+02
original_shape_Maximum2DDiameterSlice	2.484e+02
original_shape_Maximum3DDiameter	1.941e+02
original_shape_MeshVolume	2.911e+02
original_shape_MinorAxisLength	2.521e+02
original_shape_Sphericity	1.640e+02
original_shape_SurfaceArea	3.133e+02

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	original_shape_SurfaceVolumeRatio	2.989e+02
	original_shape_VoxelVolume	2.932e+02
		Z
	original_firstorder_10Percentile	-372.131
	original_firstorder_90Percentile	-129.706
	original_firstorder_Energy	54.312
	original_firstorder_Entropy	1128.425
	original_firstorder_InterquartileRange	954.749
	original_firstorder_Kurtosis	1.473
	original_firstorder_Maximum	-16.952
	original_firstorder_Mean	-402.638
	original_firstorder_MeanAbsoluteDeviation	85.289
	original_firstorder_Median	658.927
	original_firstorder_Minimum	-210.730
	original_firstorder_Range	0.000
	original_firstorder_RobustMeanAbsoluteDeviation	-1015.601
	original_firstorder_RootMeanSquared	-1.053
	original_firstorder_Skewness	9.636
	original_firstorder_TotalEnergy	0.000
	original_firstorder_Uniformity	1807.773
	original_firstorder_Variance	464.331
	original_glcm_Autocorrelation	4842.400
	original_glcm_ClusterProminence	352.609
	original_glcm_ClusterShade	439.943
	original_glcm_ClusterTendency	42.264
	original_glcm_Contrast	-1245.137
	original_glcm_Correlation	7.841
	original_glcm_DifferenceAverage	468.657
	original_glcm_DifferenceEntropy	-995.271
	original_glcm_DifferenceVariance	1277.142
	original_glcm_Id	-6361.196
	original_glcm_Idm	5954.076
	original_glcm_Idmn	90.857
	original_glcm_Idn	-24.943
	original_glcm_Imc1	-47.260
	original_glcm_Imc2	127.526
	original_glcm_InverseVariance	-500.833
	original_glcm_JointAverage	2435.580
	original_glcm_JointEnergy	-1254.309
	original_glcm_JointEntropy	1626.470
	original_glcm_MCC	-80.140
	original_glcm_MaximumProbability	118.548
	original_glcm_SumAverage	0.000
	original_glcm_SumEntropy	-1372.833
		0.000
	original_glcm_SumSquares	-129.093
	original_gldm_DependenceEntropy	
	original_gldm_DependenceNonUniformity	-222.332
	original_gldm_DependenceNonUniformityNormalized	171.153
	original_gldm_DependenceVariance	73.920
	original_gldm_GrayLevelNonUniformity	-340.757
	original_gldm_GrayLevelVariance	-1090.087
	original_gldm_HighGrayLevelEmphasis	-6966.230
	original_gldm_LargeDependenceEmphasis	231.761
	original_gldm_LargeDependenceHighGrayLevelEmphasis	
	original_gldm_LargeDependenceLowGrayLevelEmphasis	6.474
	original_gldm_LowGrayLevelEmphasis	308.467
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original_gldm_SmallDependenceEmphasis		6.781
original_gldm_SmallDependenceHighGrayLevelEmphasis		81.505
original_gldm_SmallDependenceLowGrayLevelEmphasis		-54.737
original_glrlm_GrayLevelNonUniformity		400.219
original_glrlm_GrayLevelNonUniformityNormalized		1.545
original_glrlm_GrayLevelVariance		0.408
original_glrlm_HighGrayLevelRunEmphasis		-19.642
original_glrlm_LongRunEmphasis		0.426
original glrlm LongRunHighGrayLevelEmphasis		0.000
original_glrlm_LongRunLowGrayLevelEmphasis		0.000
original_glrlm_LowGrayLevelRunEmphasis		-0.647
original_glrlm_RunEntropy		0.000
original_glrlm_RunLengthNonUniformity		0.000
original_glrlm_RunLengthNonUniformityNormalized		0.000
original_glrlm_RunPercentage		0.000
original_glrlm_RunVariance		0.000
		0.000
<pre>original_glrlm_ShortRunEmphasis original glrlm ShortRunHighGrayLevelEmphasis</pre>		
original_glrlm_ShortRunLowGrayLevelEmphasis		0.000
		0.000
original_glszm_GrayLevelNonUniformity		0.000
original_glszm_GrayLevelNonUniformityNormalized		0.000
original_glszm_GrayLevelVariance		0.000
original_glszm_HighGrayLevelZoneEmphasis		0.000
original_glszm_LargeAreaEmphasis		0.000
<pre>original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis</pre>		0.000 0.000
original_glszm_LowGrayLevelZoneEmphasis		0.000
original_glszm_SizeZoneNonUniformity		0.000
original_glszm_SizeZoneNonUniformityNormalized		-1.634
original_glszm_SmallAreaEmphasis		0.000
original_glszm_SmallAreaHighGrayLevelEmphasis		0.000
original glszm SmallAreaLowGrayLevelEmphasis		0.000
original_glszm_ZoneEntropy		0.169
original_glszm_ZonePercentage		0.000
original_glszm_ZoneVariance		0.000
original_ngtdm_Busyness		0.000
original_ngtdm_Coarseness		0.000
original_ngtdm_Complexity		0.000
original_ngtdm_Contrast		0.000
original_ngtdm_Strength		0.000
original_shape_Elongation		-0.202
original_shape_Flatness		0.038
original_shape_LeastAxisLength		0.000
original_shape_MajorAxisLength		0.000
original_shape_Maximum2DDiameterColumn		0.000
original_shape_Maximum2DDiameterRow		0.000
original_shape_Maximum2DDiameterSlice		0.000
original_shape_Maximum3DDiameter		0.000
original_shape_MeshVolume		0.000
original_shape_MinorAxisLength		0.000
original_shape_Sphericity		0.000
original_shape_SurfaceArea		0.000
original_shape_SurfaceVolumeRatio		0.000
original_shape_VoxelVolume		0.000
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original_firstorder_10Percentile	<	2e-16
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oniginal finstandan OGDansantila	< 2e-16
original_firstorder_90Percentile	
original_firstorder_Energy	< 2e-16
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	0.141
original_firstorder_Maximum	< 2e-16
original_firstorder_Mean	< 2e-16
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	0.292
original_firstorder_Skewness	< 2e-16
original_firstorder_TotalEnergy	1.000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original glcm Autocorrelation	< 2e-16
original_glcm_ClusterProminence	< 2e-16
original_glcm_ClusterShade	< 2e-16
original_glcm_ClusterJandency	< 2e-16
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	4.46e-15
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	< 2e-16
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	< 2e-16
original_glcm_Imc2	< 2e-16
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	< 2e-16
original_glcm_MaximumProbability	< 2e-16
original_glcm_SumAverage	1.000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	1.000
original_gldm_DependenceEntropy	< 2e-16
original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	< 2e-16
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	9.54e-11
original_gldm_LowGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceEmphasis	1.19e-11
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	< 2e-16
original_glrlm_GrayLevelNonUniformity	< 2e-16

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$original\_glrlm\_GrayLevelNonUniformityNormalized$	0.122
original_glrlm_GrayLevelVariance	0.683
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	0.670
original_glrlm_LongRunHighGrayLevelEmphasis	1.000
original_glrlm_LongRunLowGrayLevelEmphasis	1.000
original_glrlm_LowGrayLevelRunEmphasis	0.518
original_glrlm_RunEntropy	1.000
original_glrlm_RunLengthNonUniformity	1.000
original_glrlm_RunLengthNonUniformityNormalized	1.000
original_glrlm_RunPercentage	1.000
original_glrlm_RunVariance	1.000
original_glrlm_ShortRunEmphasis	1.000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000
original_glszm_GrayLevelNonUniformity	1.000
original_glszm_GrayLevelNonUniformityNormalized	1.000
original_glszm_GrayLevelVariance	1.000
original_glszm_HighGrayLevelZoneEmphasis	1.000
original_glszm_LargeAreaEmphasis	1.000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000
original_glszm_LowGrayLevelZoneEmphasis	1.000
original_glszm_SizeZoneNonUniformity	1.000
original_glszm_SizeZoneNonUniformityNormalized	0.102
original_glszm_SmallAreaEmphasis	1.000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000
original_glszm_ZoneEntropy	0.866
original_glszm_ZonePercentage	1.000
original_glszm_ZoneVariance	1.000
original_ngtdm_Busyness	1.000
original_ngtdm_Coarseness	1.000
original_ngtdm_Complexity	1.000
original_ngtdm_Contrast	1.000
original_ngtdm_Strength	1.000
original_shape_Elongation	0.840
original_shape_Flatness	0.970
original_shape_LeastAxisLength	1.000
original_shape_MajorAxisLength	1.000
original_shape_Maximum2DDiameterColumn	1.000
original_shape_Maximum2DDiameterRow	1.000
original_shape_Maximum2DDiameterSlice	1.000
original_shape_Maximum3DDiameter	1.000
original_shape_MeshVolume	1.000
original_shape_MinorAxisLength	1.000
original_shape_Sphericity	1.000
original_shape_SurfaceArea	1.000
original_shape_SurfaceVolumeRatio	1.000
original_shape_VoxelVolume	1.000

Likelihood ratio test=54.91 on 107 df, p=1 n= 54, number of events= 7

\$model\_list[[3]]\$coxmodels[[7]]
Call:

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```
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                      5.519e+02
original_firstorder_90Percentile
                                                      2.574e+02
original_firstorder_Energy
                                                     -4.224e+00
original_firstorder_Entropy
                                                     -1.422e+02
original_firstorder_InterquartileRange
                                                     -3.429e+02
original_firstorder_Kurtosis
                                                     -2.344e+01
original_firstorder_Maximum
                                                      1.865e+02
original_firstorder_Mean
                                                      3.115e+02
original_firstorder_MeanAbsoluteDeviation
                                                      7.589e+02
original firstorder Median
                                                     -4.186e+02
original_firstorder_Minimum
                                                     -4.519e+02
original firstorder Range
                                                     -5.145e+02
original firstorder RobustMeanAbsoluteDeviation
                                                      7.283e+02
original_firstorder_RootMeanSquared
                                                     -1.282e+02
original_firstorder_Skewness
                                                      4.640e+01
original firstorder TotalEnergy
                                                      0.000e+00
original firstorder Uniformity
                                                      4.126e+01
original_firstorder_Variance
                                                      1.007e+03
original_glcm_Autocorrelation
                                                     -7.799e+02
original glcm ClusterProminence
                                                      7.379e+03
original_glcm_ClusterShade
                                                     -2.588e+02
original_glcm_ClusterTendency
                                                     -1.610e+03
original_glcm_Contrast
                                                     -1.300e+04
                                                      4.731e+01
original_glcm_Correlation
original_glcm_DifferenceAverage
                                                      2.375e+02
original_glcm_DifferenceEntropy
                                                      5.274e+02
                                                      1.293e+04
original_glcm_DifferenceVariance
original_glcm_Id
                                                      4.100e+01
original_glcm_Idm
                                                      3.434e+02
original_glcm_Idmn
                                                     -1.265e+01
                                                      0.000e+00
original glcm Idn
original_glcm_Imc1
                                                     -9.851e+00
original_glcm_Imc2
                                                      2.606e+01
original_glcm_InverseVariance
                                                      0.000e+00
original_glcm_JointAverage
                                                      2.126e+02
original_glcm_JointEnergy
                                                      0.000e+00
original_glcm_JointEntropy
                                                      0.000e+00
original glcm MCC
                                                      2.709e+01
original_glcm_MaximumProbability
                                                      0.000e+00
original_glcm_SumAverage
                                                      0.000e+00
original glcm SumEntropy
                                                      0.000e+00
original glcm SumSquares
                                                      1.721e+00
original gldm DependenceEntropy
                                                     -2.817e-01
original gldm DependenceNonUniformity
                                                      2.899e+00
original gldm DependenceNonUniformityNormalized
                                                      1.833e+00
original gldm DependenceVariance
                                                     -1.642e+00
original gldm GrayLevelNonUniformity
                                                      3.323e+01
original_gldm_GrayLevelVariance
                                                      0.000e+00
original gldm HighGrayLevelEmphasis
                                                      0.000e+00
original_gldm_LargeDependenceEmphasis
                                                      0.000e+00
original_gldm_LargeDependenceHighGrayLevelEmphasis
                                                      0.000e+00
```

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original_gldm_LargeDependenceLowGrayLevelEmphasis	4.105e+00
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	0.000e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	-6.227e+00
original_glrlm_GrayLevelNonUniformity	-6.853e+00
original_glrlm_GrayLevelNonUniformityNormalized	0.000e+00
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	0.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	0.000e+00
original_glrlm_LowGrayLevelRunEmphasis	9.508e+00
original_glrlm_RunEntropy	0.000e+00
original_glrlm_RunLengthNonUniformity	0.000e+00
original_glrlm_RunLengthNonUniformityNormalized	0.000e+00
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	1.478e+01
original_glrlm_ShortRunEmphasis	0.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	0.000e+00
original_glszm_GrayLevelNonUniformityNormalized	0.000e+00
original_glszm_GrayLevelVariance	0.000e+00
original_glszm_HighGrayLevelZoneEmphasis	0.000e+00
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	2.359e-01
original_glszm_LowGrayLevelZoneEmphasis	0.000e+00
original_glszm_SizeZoneNonUniformity	0.000e+00
original_glszm_SizeZoneNonUniformityNormalized	0.000e+00
original_glszm_SmallAreaEmphasis	0.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_ZoneEntropy	3.877e+00
original_glszm_ZonePercentage	0.000e+00
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	8.246e-01
original_ngtdm_Coarseness	-1.798e+00
original_ngtdm_Complexity	0.000e+00
original_ngtdm_Contrast	0.000e+00
original_ngtdm_Strength	0.000e+00
original_shape_Elongation	1.084e+00
original_shape_Flatness	0.000e+00
original_shape_LeastAxisLength	0.000e+00
original_shape_MajorAxisLength	-7.334e+00
original_shape_Maximum2DDiameterColumn	0.000e+00
original_shape_Maximum2DDiameterRow	0.000e+00
original_shape_Maximum2DDiameterSlice	0.000e+00
original_shape_Maximum3DDiameter	0.000e+00
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	0.000e+00
original_shape_Sphericity	0.000e+00
original_shape_SurfaceArea	0.000e+00
original_shape_SurfaceVolumeRatio	0.000e+00
original_shape_VoxelVolume	0.000e+00

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	exp(coef)
original_firstorder_10Percentile	5.027e+239
original_firstorder_90Percentile	6.154e+111
original_firstorder_Energy	1.463e-02
original_firstorder_Entropy	1.786e-62
original_firstorder_InterquartileRange	1.243e-149
original_firstorder_Kurtosis	6.608e-11
original_firstorder_Maximum	9.685e+80
original firstorder Mean	1.852e+135
original_firstorder_MeanAbsoluteDeviation	I.652e+155
	=
original_firstorder_Median	1.683e-182
original_firstorder_Minimum	5.692e-197
original_firstorder_Range	3.449e-224
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	2.078e-56
original_firstorder_Skewness	1.415e+20
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	8.284e+17
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	3.839e-113
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	0.000e+00
original_glcm_Correlation	3.529e+20
original_glcm_DifferenceAverage	1.410e+103
original_glcm_DifferenceEntropy	1.134e+229
original_glcm_DifferenceVariance	Inf
original_glcm_Id	6.398e+17
original_glcm_Idm	1.365e+149
original_glcm_Idmn	3.192e-06
original_glcm_Idn	1.000e+00
original_glcm_Imc1	5.268e-05
original_glcm_Imc2	2.073e+11
original_glcm_InverseVariance	1.000e+00
original_glcm_JointAverage	2.130e+92
original_glcm_JointEnergy	1.000e+00
original_glcm_JointEntropy	1.000e+00
original_glcm_MCC	5.794e+11
original_glcm_MaximumProbability	1.000e+00
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	1.000e+00
original_glcm_SumSquares	5.592e+00
original_gldm_DependenceEntropy	7.545e-01
original_gldm_DependenceNonUniformity	1.816e+01
original_gldm_DependenceNonUniformityNormalized	6.250e+00
original_gldm_DependenceVariance	1.936e-01
original_gldm_GrayLevelNonUniformity	2.694e+14
original_gldm_GrayLevelVariance	1.000e+00
original_gldm_HighGrayLevelEmphasis	1.000e+00
	1.000e+00
original_gldm_LargeDependenceEmphasis	
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.000e+00 6.065e+01
original_gldm_LargeDependenceLowGrayLevelEmphasis	
original_gldm_LowGrayLevelEmphasis	1.000e+00
original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis	

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original_gldm_SmallDependenceLowGrayLevelEmphasis	1.976e-03
original_glrlm_GrayLevelNonUniformity	1.056e-03
original_glrlm_GrayLevelNonUniformityNormalized	1.000e+00
original_glrlm_GrayLevelVariance	1.000e+00
	1.000e+00
original_glrlm_HighGrayLevelRunEmphasis	
original_glrlm_LongRunEmphasis	1.000e+00
original_glrlm_LongRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_LongRunLowGrayLevelEmphasis	1.000e+00
original_glrlm_LowGrayLevelRunEmphasis	1.347e+04
original_glrlm_RunEntropy	1.000e+00
original_glrlm_RunLengthNonUniformity	1.000e+00
original_glrlm_RunLengthNonUniformityNormalized	1.000e+00
original_glrlm_RunPercentage	1.000e+00
original_glrlm_RunVariance	2.628e+06
original_glrlm_ShortRunEmphasis	1.000e+00
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000e+00
original_glszm_GrayLevelNonUniformity	1.000e+00
original_glszm_GrayLevelNonUniformityNormalized	1.000e+00
original_glszm_GrayLevelVariance	1.000e+00
original_glszm_HighGrayLevelZoneEmphasis	1.000e+00
original_glszm_LargeAreaEmphasis	1.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	1.266e+00
original_glszm_LowGrayLevelZoneEmphasis	1.000e+00
original_glszm_SizeZoneNonUniformity	1.000e+00
original_glszm_SizeZoneNonUniformityNormalized	1.000e+00
original_glszm_SmallAreaEmphasis	1.000e+00
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000e+00
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000e+00
original_glszm_ZoneEntropy	4.827e+01
original_glszm_ZonePercentage	1.000e+00
original_glszm_ZoneVariance	1.000e+00
original_ngtdm_Busyness	2.281e+00
original_ngtdm_Coarseness	1.657e-01
original_ngtdm_Complexity	1.000e+00
original_ngtdm_Contrast	1.000e+00
original_ngtdm_Strength	1.000e+00
original_shape_Elongation	2.957e+00
original_shape_Flatness	1.000e+00
original_shape_LeastAxisLength	1.000e+00
original_shape_MajorAxisLength	6.528e-04
original_shape_Maximum2DDiameterColumn	1.000e+00
original_shape_Maximum2DDiameterRow	1.000e+00
original_shape_Maximum2DDiameterSlice	1.000e+00
original_shape_Maximum3DDiameter	1.000e+00
original_shape_MeshVolume	1.000e+00
original_shape_MinorAxisLength	1.000e+00
original_shape_Sphericity	1.000e+00
original_shape_SurfaceArea	1.000e+00
original_shape_SurfaceVolumeRatio	1.000e+00
	1.000e+00
original_shape_VoxelVolume	se(coef)
original_firstorder_10Percentile	2.025e+03
original_firstorder_10Percentile	1.328e+04
original_firstorder_sweetcentile original_firstorder_Energy	1.868e+03
or return 1 1 3 cor der _Liler gy	1.0006703

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original_firstorder_Kurtosis		
original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_Sowness original_firstorder_TotalEnergy original_firstorder_TotalEnergy original_firstorder_Uniformity 4.398e+03 original_gir_storder_Variance original_gic_ClusterProminence 0.853e+04 0riginal_glc_ClusterProminence 0riginal_glc_ClusterProminence 0riginal_glc_ClusterProminence 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_Correlation 0riginal_glc_DifferenceAverage 0riginal_glc_DifferenceEntropy 0riginal_glc_DifferenceVariance 0riginal_glc_DifferenceVariance 0riginal_glc_Tidm 0riginal_glc_Tidm 0riginal_glc_Tidm 0riginal_glc_Tidm 0riginal_glc_Tidm 0riginal_glc_Tidm 0riginal_glc_Timc1 0riginal_glc_Timc_Oritterery 0riginal_glc_Timc_Noritterery 0riginal_glc_Timc_Noritterery 0riginal_glc_Timc_Noritterery 0riginal_glc_Timc_SumEntropy 0riginal_glc_Timc_SumEntropy 0riginal_glc_Timc_SumEntropy 0riginal_glc_Timc_SumEntropy 0riginal_glc_Timc_SumEntropy 0riginal_glc_Timc_SumEntropy 0riginal_gld_DependenceEntropy 0riginal_gld_Dependenc	original_firstorder_Entropy	4.140e+03
original_firstorder_Mean original_firstorder_MeanAboluteDeviation original_firstorder_MeanAboluteDeviation original_firstorder_Median original_firstorder_Median original_firstorder_Median original_firstorder_MenAboluteDeviation original_firstorder_Range original_firstorder_RobustMeanAboluteDeviation original_firstorder_RobustMeanAboluteDeviation original_firstorder_Stewness original_firstorder_Stewness original_firstorder_Uniformity original_firstorder_Uniformity original_firstorder_Uniformity original_firstorder_Variance original_glcm_ClusterProminence original_glcm_ClusterProminence original_glcm_ClusterFomience original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Cortrast original_glcm_Cortrast original_glcm_DifferenceAverage original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_Idm original_glcm_Imc1 original_glcm_Imc2 original_glcm_Imc2 original_glcm_Imc2 original_glcm_Imc3 original_glcm_JointEntropy original_glcm_JointEntropy original_glcm_JointEntropy original_glcm_JointEntropy original_glcm_SumEntropy original_glcm_SumEntropy original_glcm_SumSumerope original_glcm_SumSumerope original_glcm_SumSumerope original_glcm_SumSumerope original_glcm_SumSumerope original_glcm_SumSumerope original_glcm_SumSupuere original_gldm_DependenceEntropy original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelNonUniformit	original_firstorder_InterquartileRange	1.164e+04
original_firstorder_MeanAbsoluteDeviation	original_firstorder_Kurtosis	2.343e+03
original_firstorder_Median 6.619e+03 original_firstorder_Median 6.619e+03 original_firstorder_Minimum 4.629e+03 original_firstorder_Range 2.512e+03 original_firstorder_Range 2.512e+03 original_firstorder_RobustMeanAbsoluteDeviation 6.789e+03 original_firstorder_RobustMeanSquared 2.666e+03 original_firstorder_TotalEnergy 1.868e+03 original_firstorder_TotalEnergy 1.868e+03 original_firstorder_Uniformity 1.868e+03 original_firstorder_Variance 3.840e+03 original_glcm_Autocorrelation 5.516e+03 original_glcm_ClusterProminence 3.053e+04 original_glcm_ClusterFandency 3.180e+03 original_glcm_ClusterFandency 3.180e+03 original_glcm_Cortrast 4.011e+04 original_glcm_Cortrast 4.011e+04 original_glcm_DifferenceAverage 8.427e+03 original_glcm_DifferenceEntropy 6.763e+03 original_glcm_DifferenceVariance 4.257e+04 original_glcm_Indm 7.508e+03 original_glcm_Indm 7.508e+03 original_glcm_Indm 7.508e+03 original_glcm_Indm 7.508e+03 original_glcm_Indc 7.508e+03 original_glcm_Indc 7.508e+03 original_glcm_Indc 7.508e+03 original_glcm_Indc 7.508e+03 original_glcm_JointEntropy 7.508e+03 original_glcm_JointEntropy 7.508e+03 original_glcm_JointEntropy 7.508e+03 original_glcm_JointEntropy 7.508e+03 original_glcm_SumAverage 7.148e+03 original_glcm_SumAverage 7.148e+03 original_glcm_SumAverage 7.148e+03 original_glcm_SumSquares 7.149e+03 original_gldm_DependenceEntropy 7.698e+03 original_gldm_DependenceNonUniformity 7.698e+03 original_gldm_DependenceNonUniformity 7.698e+03 original_gldm_DependenceNonUniformity 7.698e+03 original_gldm_DependenceNonUniformity 7.698e+03 original_gldm_DependenceNonUniformity 7.698e+03 original_gldm_DependenceNonUniformity 7.698e+03 original_gldm_GrayLevelNonUniformity 7.698e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 orig	original_firstorder_Maximum	2.151e+03
original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_Skewness original_firstorder_Skewness original_firstorder_Uniformity 4.398e+03 original_firstorder_Uniformity 4.398e+03 original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Contrast original_glcm_DifferenceAverage original_glcm_DifferenceAverage original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_Idm original_glcm_Imc1 original_glcm_Imc2 original_glcm_Imc2 original_glcm_Imc1 original_glcm_Imc2 original_glcm_Inc1 original_glcm_Imc2 original_glcm_Inc2 original_glcm_JointAverage original_glcm_JointEnergy original_glcm_JointEnergy original_glcm_MoximumProbability original_glcm_SumAverage original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_LargeDependenceHiphGrayLevelEmphasis original_gldm_LargeDependenceHiphGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_Cargal_evelNonUniformity original_gldm_Cargal_evelNonUnifor	original_firstorder_Mean	3.432e+03
original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_Skewness original_firstorder_Skewness original_firstorder_Uniformity 4.398e+03 original_firstorder_Uniformity 4.398e+03 original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Contrast original_glcm_Contrast original_glcm_DifferenceAverage original_glcm_DifferenceAverage original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_Idm original_glcm_Imc1 original_glcm_Imc2 original_glcm_Imc2 original_glcm_Imc1 original_glcm_Imc2 original_glcm_Inc1 original_glcm_Imc2 original_glcm_Inc2 original_glcm_JointAverage original_glcm_JointEnergy original_glcm_JointEnergy original_glcm_MoximumProbability original_glcm_SumAverage original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_LargeDependenceHiphGrayLevelEmphasis original_gldm_LargeDependenceHiphGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_Cargal_evelNonUniformity original_gldm_Cargal_evelNonUnifor	original firstorder MeanAbsoluteDeviation	2.603e+03
original_firstorder_Minimum	_	6.619e+03
original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_Skewness original_firstorder_Uniformity 1.868e+03 original_firstorder_Uniformity 4.398e+03 original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterProminence original_glcm_ClusterProminence original_glcm_ClusterProminence original_glcm_Correlation original_glcm_Correlation original_glcm_Correlation original_glcm_Correlation original_glcm_Correlation original_glcm_Dorrelation original_glcm_Dorrelation original_glcm_Dorrelation original_glcm_DifferenceAverage original_glcm_DifferenceAverage original_glcm_DifferenceVariance original_glcm_DifferenceVariance original_glcm_Idm original_glcm_Idm original_glcm_Idm original_glcm_Idm original_glcm_Idm original_glcm_Imc1 original_glcm_Imc2 original_glcm_Imc2 original_glcm_Imc2 original_glcm_JointEnergy original_glcm_JointEnergy original_glcm_JointEnergy original_glcm_JointEnergy original_glcm_MaximumProbability original_glcm_SumSquares original_glcm_SumSquares original_glcm_SumSquares original_glcm_SumSquares original_glcm_SumSquares original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEntropy original_gldm_DependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis o		4.629e+03
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original_glcm_JointAverage original_glcm_JointEnergy original_glcm_JointEntropy original_glcm_JointEntropy original_glcm_MCC original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized original_glrlm_GrayLevelNonUniformityNormalized original_glrlm_GrayLevelNonUniformityNormalized		4.632e+03
original_glcm_JointEnergy original_glcm_JointEntropy original_glcm_MCC original_glcm_MCC original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized		8.853e+03
original_glcm_MCC original_glcm_MaximumProbability original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized	original_glcm_JointAverage	5.148e+03
original_glcm_MCC original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized	original_glcm_JointEnergy	4.953e+03
original_glcm_SumAverage 5.148e+03 original_glcm_SumEntropy 3.969e+03 original_glcm_SumSquares 3.927e+03 original_gldm_DependenceEntropy 5.270e+03 original_gldm_DependenceNonUniformity 4.051e+03 original_gldm_DependenceNonUniformityNormalized 7.479e+03 original_gldm_DependenceVariance 7.074e+03 original_gldm_GrayLevelNonUniformity 7.698e+03 original_gldm_GrayLevelVariance 3.830e+03 original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 6.194e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_glcm_JointEntropy	4.768e+03
original_glcm_SumAverage original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity  5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized	original_glcm_MCC	4.196e+03
original_glcm_SumEntropy original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_glcm_MaximumProbability	5.613e+03
original_glcm_SumSquares original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_glcm_SumAverage	5.148e+03
original_gldm_DependenceEntropy original_gldm_DependenceNonUniformity original_gldm_DependenceNonUniformityNormalized original_gldm_DependenceVariance original_gldm_GrayLevelNonUniformity original_gldm_GrayLevelVariance original_gldm_HighGrayLevelEmphasis original_gldm_LargeDependenceEmphasis original_gldm_LargeDependenceHighGrayLevelEmphasis original_gldm_LargeDependenceLowGrayLevelEmphasis original_gldm_LowGrayLevelEmphasis original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_SmallDependenceLowGrayLevelEmphasis original_gldm_GrayLevelNonUniformity  5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_glcm_SumEntropy	3.969e+03
original_gldm_DependenceNonUniformity 4.051e+03 original_gldm_DependenceNonUniformityNormalized 7.479e+03 original_gldm_DependenceVariance 7.074e+03 original_gldm_GrayLevelNonUniformity 7.698e+03 original_gldm_GrayLevelVariance 3.830e+03 original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 6.671e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_glcm_SumSquares	3.927e+03
original_gldm_DependenceNonUniformityNormalized 7.479e+03 original_gldm_DependenceVariance 7.074e+03 original_gldm_GrayLevelNonUniformity 7.698e+03 original_gldm_GrayLevelVariance 3.830e+03 original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_gldm_DependenceEntropy	5.270e+03
original_gldm_DependenceVariance 7.074e+03 original_gldm_GrayLevelNonUniformity 7.698e+03 original_gldm_GrayLevelVariance 3.830e+03 original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 6.671e+03 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_gldm_DependenceNonUniformity	4.051e+03
original_gldm_GrayLevelNonUniformity 7.698e+03 original_gldm_GrayLevelVariance 3.830e+03 original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 5.247e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_gldm_DependenceNonUniformityNormalized	7.479e+03
original_gldm_GrayLevelVariance 3.830e+030 original_gldm_HighGrayLevelEmphasis 5.471e+030 original_gldm_LargeDependenceEmphasis 7.230e+030 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+030 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+0400 original_gldm_LowGrayLevelEmphasis 2.895e+030 original_gldm_SmallDependenceEmphasis 6.194e+030 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+030 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+030 original_glrlm_GrayLevelNonUniformity 5.247e+030 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+0300	original_gldm_DependenceVariance	7.074e+03
original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_gldm_GrayLevelNonUniformity	7.698e+03
original_gldm_HighGrayLevelEmphasis 5.471e+03 original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03	original_gldm_GrayLevelVariance	3.830e+03
original_gldm_LargeDependenceEmphasis 7.230e+03 original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+03 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		5.471e+03
original_gldm_LargeDependenceHighGrayLevelEmphasis 6.671e+030 original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+040 original_gldm_LowGrayLevelEmphasis 2.895e+030 original_gldm_SmallDependenceEmphasis 6.194e+030 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+030 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+030 original_glrlm_GrayLevelNonUniformity 5.247e+030 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+030		7.230e+03
original_gldm_LargeDependenceLowGrayLevelEmphasis 1.012e+04 original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		6.671e+03
original_gldm_LowGrayLevelEmphasis 2.895e+03 original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		1.012e+04
original_gldm_SmallDependenceEmphasis 6.194e+03 original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		2.895e+03
original_gldm_SmallDependenceHighGrayLevelEmphasis 5.281e+03 original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		6.194e+03
original_gldm_SmallDependenceLowGrayLevelEmphasis 4.800e+03 original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		5.281e+03
original_glrlm_GrayLevelNonUniformity 5.247e+03 original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		
original_glrlm_GrayLevelNonUniformityNormalized 4.191e+03		
5. 1021E103		
	or -04.104_64. 1or dyreverval fullee	5.0210105

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original_glrlm_HighGrayLevelRunEmphasis	5.487e+03
original_glrlm_LongRunHighChayLovelEmphasis	8.466e+03 7.851e+03
original_glrlm_LongRunHighGrayLevelEmphasis	
original_glrlm_LongRunLowGrayLevelEmphasis	4.102e+03
original_glrlm_LowGrayLevelRunEmphasis	3.294e+03
original_glrlm_RunEntropy	4.683e+03
original_glrlm_RunLengthNonUniformity	2.925e+03
original_glrlm_RunLengthNonUniformityNormalized	6.632e+03
original_glrlm_RunPercentage	6.999e+03
original_glrlm_RunVariance	9.148e+03
original_glrlm_ShortRunEmphasis	6.805e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	4.992e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	2.962e+03
original_glszm_GrayLevelNonUniformity	3.592e+03
original_glszm_GrayLevelNonUniformityNormalized	4.435e+03
original_glszm_GrayLevelVariance	3.801e+03
original_glszm_HighGrayLevelZoneEmphasis	5.422e+03
original_glszm_LargeAreaEmphasis	9.742e+03
original_glszm_LargeAreaHighGrayLevelEmphasis	1.737e+04
original_glszm_LargeAreaLowGrayLevelEmphasis	9.959e+03
original_glszm_LowGrayLevelZoneEmphasis	5.934e+03
original_glszm_SizeZoneNonUniformity	2.467e+03
original_glszm_SizeZoneNonUniformityNormalized	6.107e+03
original_glszm_SmallAreaEmphasis	6.170e+03
original_glszm_SmallAreaHighGrayLevelEmphasis	5.392e+03
original_glszm_SmallAreaLowGrayLevelEmphasis	4.418e+03
original_glszm_ZoneEntropy	3.399e+03
original_glszm_ZonePercentage	6.325e+03
original_glszm_ZoneVariance	9.764e+03
original_ngtdm_Busyness	8.094e+03
original_ngtdm_Coarseness	6.276e+03
original_ngtdm_Complexity	9.982e+03
original_ngtdm_Contrast	1.894e+04
original_ngtdm_Strength	3.804e+03
original_shape_Elongation	5.381e+03
original shape Flatness	6.458e+03
original_shape_LeastAxisLength	3.034e+03
original_shape_MajorAxisLength	2.675e+03
original_shape_Maximum2DDiameterColumn	2.188e+03
original_shape_Maximum2DDiameterRow	3.756e+03
original_shape_Maximum2DDiameterSlice	2.517e+03
original_shape_Maximum3DDiameter	2.054e+03
original_shape_MeshVolume	5.789e+03
original_shape_MinorAxisLength	2.256e+03
original_shape_Sphericity	6.951e+03
original_shape_SurfaceArea	2.440e+03
original_shape_SurfaceVolumeRatio	6.610e+03
original_shape_VoxelVolume	5.686e+03
	Z
original_firstorder_10Percentile	0.273
original_firstorder_90Percentile	0.019
original_firstorder_Energy	-0.002
original_firstorder_Entropy	-0.034
original_firstorder_InterquartileRange	-0.029
original_firstorder_Kurtosis	-0.010
original_firstorder_Maximum	0.087

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·	7/2020, 11.01 Official examples	ioi tiio oui
	original_firstorder_Mean	0.091
	original_firstorder_MeanAbsoluteDeviation	0.292
	original_firstorder_Median	-0.063
	original_firstorder_Minimum	-0.098
	original_firstorder_Range	-0.205
	original_firstorder_RobustMeanAbsoluteDeviation	0.107
	original_firstorder_RootMeanSquared	-0.048
	original_firstorder_Skewness	0.022
	original_firstorder_TotalEnergy	0.000
	original_firstorder_Uniformity	0.009
	original_firstorder_Variance	0.262
	original_glcm_Autocorrelation	-0.141
	original_glcm_ClusterProminence	0.242
	original_glcm_ClusterShade	-0.048
	original_glcm_ClusterTendency	-0.506
	original_glcm_Contrast	-0.324
	original_glcm_Correlation	0.010
	original_glcm_DifferenceAverage	0.028
	original_glcm_DifferenceEntropy	0.078
	original_glcm_DifferenceVariance	0.304
	original_glcm_Id	0.004
	original_glcm_Idm	0.036
	original_glcm_Idmn	-0.002
	original_glcm_Idn	0.002
	original_glcm_Imc1	-0.003
	original_glcm_Imc2	0.006
	original_glcm_InverseVariance	0.000
	original_glcm_JointAverage	0.041
	original_glcm_JointEnergy	0.000
	original_glcm_JointEntropy	0.000
	original_glcm_MCC	0.006
	original_glcm_MaximumProbability	0.000
	original_glcm_SumAverage	0.000
	original_glcm_SumEntropy	0.000
	original_glcm_SumSquares	0.000
	original_gldm_DependenceEntropy	0.000
	original_gldm_DependenceNonUniformity	0.001
	original_gldm_DependenceNonUniformityNormalized	0.000
	original_gldm_DependenceVariance	0.000
	original_gldm_GrayLevelNonUniformity	0.004
	original_gldm_GrayLevelVariance	0.000
	original_gldm_HighGrayLevelEmphasis	0.000
	original_gldm_LargeDependenceEmphasis	0.000
	original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000
	original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000
	original_gldm_LowGrayLevelEmphasis	0.000
	original_gldm_SmallDependenceEmphasis	0.000
	original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000
	original_gldm_SmallDependenceLowGrayLevelEmphasis	-0.001
	original_glrlm_GrayLevelNonUniformity	-0.001
	original_glrlm_GrayLevelNonUniformityNormalized	0.000
	original_glrlm_GrayLevelVariance	0.000
	original_glrlm_HighGrayLevelRunEmphasis	0.000
	original_glrlm_LongRunEmphasis	0.000
	original_glrlm_LongRunHighGrayLevelEmphasis	0.000
	original_glrlm_LongRunLowGrayLevelEmphasis	0.000
-		

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original_glrlm_LowGrayLevelRunEmphasis	0.003
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.002
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original glrlm ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.001
	0.001
original_glszm_ZonePercentage	
original_glszm_ZoneVariance	0.000 0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	-0.003
original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	0.000
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.000
	р
original_firstorder_10Percentile	0.785
original_firstorder_90Percentile	0.985
original_firstorder_Energy	0.998
original_firstorder_Entropy	0.973
original_firstorder_InterquartileRange	0.977
original_firstorder_Kurtosis	0.992
original_firstorder_Maximum	0.931
original_firstorder_Mean	0.928
original_firstorder_MeanAbsoluteDeviation	0.771
original_firstorder_Median	0.950
original_firstorder_Minimum	0.922

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i	oniginal finstandan Danga	0 020
l	original_firstorder_Range	0.838
l	original_firstorder_RobustMeanAbsoluteDeviation	0.915
l	original_firstorder_RootMeanSquared	0.962
l	original_firstorder_Skewness	0.982
l	original_firstorder_TotalEnergy	1.000
l	original_firstorder_Uniformity	0.993
l	original_firstorder_Variance	0.793
l	original_glcm_Autocorrelation	0.888
l	original_glcm_ClusterProminence	0.809
l	original_glcm_ClusterShade	0.962
l	original_glcm_ClusterTendency	0.613
l	original_glcm_Contrast	0.746
l	original_glcm_Correlation	0.992
l	original_glcm_DifferenceAverage	0.978
l		
l	original_glcm_DifferenceEntropy	0.938
l	original_glcm_DifferenceVariance	0.761
l	original_glcm_Id	0.996
l	original_glcm_Idm	0.971
l	original_glcm_Idmn	0.999
l	original_glcm_Idn	1.000
l	original_glcm_Imc1	0.998
l	original_glcm_Imc2	0.996
l	original_glcm_InverseVariance	1.000
l	original_glcm_JointAverage	0.967
l	original_glcm_JointEnergy	1.000
l	original_glcm_JointEntropy	1.000
l	original_glcm_MCC	0.995
l	original_glcm_MaximumProbability	1.000
l	original_glcm_SumAverage	1.000
l	original_glcm_SumEntropy	1.000
l	original glcm SumSquares	1.000
l	original_gldm_DependenceEntropy	1.000
l	original_gldm_DependenceNonUniformity	0.999
l	original gldm DependenceNonUniformityNormalized	1.000
l	0 10 1	
l	original_gldm_DependenceVariance	1.000
l	original_gldm_GrayLevelNonUniformity	0.997
l	original_gldm_GrayLevelVariance	1.000
l	original_gldm_HighGrayLevelEmphasis	1.000
l	original_gldm_LargeDependenceEmphasis	1.000
l	$original\_gldm\_LargeDependence High Gray Level Emphasis$	1.000
l	<pre>original_gldm_LargeDependenceLowGrayLevelEmphasis</pre>	1.000
l	original_gldm_LowGrayLevelEmphasis	1.000
l	original_gldm_SmallDependenceEmphasis	1.000
l	$original\_gldm\_SmallDependence High Gray Level Emphas is$	1.000
l	<pre>original_gldm_SmallDependenceLowGrayLevelEmphasis</pre>	0.999
l	original_glrlm_GrayLevelNonUniformity	0.999
l	original_glrlm_GrayLevelNonUniformityNormalized	1.000
l	original_glrlm_GrayLevelVariance	1.000
l	original_glrlm_HighGrayLevelRunEmphasis	1.000
l	original_glrlm_LongRunEmphasis	1.000
	original_glrlm_LongRunHighGrayLevelEmphasis	1.000
	original_glrlm_LongRunLowGrayLevelEmphasis	1.000
	original_glrlm_LowGrayLevelRunEmphasis	0.998
	original_glrlm_RunEntropy	1.000
	original_glrlm_RunLengthNonUniformity	1.000
ı	original_glrlm_RunLengthNonUniformityNormalized	1.000

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```
original glrlm RunPercentage
                                                    1.000
original glrlm RunVariance
                                                    0.999
original glrlm ShortRunEmphasis
                                                    1.000
original glrlm ShortRunHighGrayLevelEmphasis
                                                    1.000
original_glrlm_ShortRunLowGrayLevelEmphasis
                                                    1.000
original glszm GrayLevelNonUniformity
                                                    1.000
original_glszm_GrayLevelNonUniformityNormalized
                                                    1 000
original_glszm_GrayLevelVariance
                                                    1.000
original_glszm_HighGrayLevelZoneEmphasis
                                                    1.000
original_glszm_LargeAreaEmphasis
                                                    1,000
original_glszm_LargeAreaHighGrayLevelEmphasis
                                                    1,000
original_glszm_LargeAreaLowGrayLevelEmphasis
                                                    1.000
original_glszm_LowGrayLevelZoneEmphasis
                                                    1.000
original_glszm_SizeZoneNonUniformity
                                                    1.000
original glszm SizeZoneNonUniformityNormalized
                                                    1.000
original_glszm_SmallAreaEmphasis
                                                    1.000
original glszm SmallAreaHighGrayLevelEmphasis
                                                    1.000
original glszm SmallAreaLowGrayLevelEmphasis
                                                    1.000
original_glszm_ZoneEntropy
                                                    0.999
original glszm ZonePercentage
                                                    1.000
original glszm ZoneVariance
                                                    1.000
original ngtdm Busyness
                                                    1.000
original_ngtdm_Coarseness
                                                    1.000
original_ngtdm_Complexity
                                                    1.000
original ngtdm Contrast
                                                    1.000
original_ngtdm_Strength
                                                    1.000
original_shape_Elongation
                                                    1.000
original shape Flatness
                                                    1.000
original shape LeastAxisLength
                                                    1.000
                                                    0.998
original_shape_MajorAxisLength
original_shape_Maximum2DDiameterColumn
                                                    1.000
original shape Maximum2DDiameterRow
                                                    1.000
original_shape_Maximum2DDiameterSlice
                                                    1.000
original_shape_Maximum3DDiameter
                                                    1.000
original_shape_MeshVolume
                                                    1.000
original shape MinorAxisLength
                                                    1.000
                                                    1.000
original_shape_Sphericity
original_shape_SurfaceArea
                                                    1.000
original shape SurfaceVolumeRatio
                                                    1.000
original_shape_VoxelVolume
                                                    1.000
Likelihood ratio test=43.46 on 107 df, p=1
n= 26, number of events= 7
$model list[[3]]$clusters
[1] 3.038082 1.100084 0.094832 0.282250 1.329060 0.966207
[7] 1.898649
$model list[[4]]
$model list[[4]]$vimp10
                                original_glcm_Idmn
                                        0.012059233
```

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0.011362803

original\_glszm\_GrayLevelVariance

```
original\_glszm\_SmallAreaHighGrayLevelEmphasis
                                       0.011179532
   original glszm GrayLevelNonUniformityNormalized
                                       0.010629719
original_gldm_LargeDependenceHighGrayLevelEmphasis
                                       0.010446448
                         original_firstorder_Range
                                       0.009163551
          original_glszm_HighGrayLevelZoneEmphasis
                                       0.009126897
                       original_firstorder_Maximum
                                       0.008906972
                                 original_glcm_Idn
                                       0.006854336
              original_glszm_SizeZoneNonUniformity
                                       0.005571439
       original glrlm ShortRunLowGrayLevelEmphasis
                                       0.004948318
             original_glrlm_GrayLevelNonUniformity
                                       0.004838355
       original glrlm LongRunHighGrayLevelEmphasis
                                       0.004765047
                         original_ngtdm_Complexity
                                       0.004435159
    original glszm LargeAreaHighGrayLevelEmphasis
                                       0.004288542
$model_list[[4]]$treemodel
n= 360
node), split, n, deviance, yval
      * denotes terminal node
1) root 360 251.34380 1.0000000
 2) original_glszm_GrayLevelVariance< 0.04229695 234 73.02744 0.3782755
   4) original_glszm_GrayLevelVariance>=-0.4619976 114 19.88906 0.2045376 *
    5) original_glszm_GrayLevelVariance< -0.4619976 120 49.83017 0.5839564 *
 3) original_glszm_GrayLevelVariance>=0.04229695 126 144.79850 2.2987410 *
$model_list[[4]]$coxmodels
$model_list[[4]]$coxmodels[[1]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
   x = TRUE
                                                           coef
original firstorder 10Percentile
                                                     -1.025e+02
original firstorder 90Percentile
                                                     1.078e+02
original firstorder Energy
                                                     -5.806e+01
original firstorder Entropy
                                                    -2.056e+02
original firstorder InterquartileRange
                                                     3.832e+02
original_firstorder_Kurtosis
                                                    -4.940e+00
original firstorder Maximum
                                                     6.502e+01
original_firstorder_Mean
                                                    -1.120e+02
original_firstorder_MeanAbsoluteDeviation
                                                     8.793e+01
```

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original_firstorder_Median	2.233e+01
original_firstorder_Minimum	1.242e+02
original_firstorder_Range	0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	-5.649e+02
original_firstorder_RootMeanSquared	3.350e+00
original_firstorder_Skewness	-3.062e+00
original_firstorder_TotalEnergy	0.000e+00
original_firstorder_Uniformity	-1.708e+02
original firstorder Variance	-3.152e+02
original_glcm_Autocorrelation	1.666e+03
original_glcm_ClusterProminence	-1.694e+03 -1.303e+02
original_glcm_ClusterShade	
original_glcm_ClusterTendency	2.017e+02 6.116e+03
original_glcm_Contrast	
original_glcm_Correlation	-2.243e+01
original_glcm_DifferenceAverage	-1.608e+03
original_glcm_DifferenceEntropy	1.192e+02
original_glcm_DifferenceVariance	-3.388e+03
original_glcm_Id	-6.169e+03
original_glcm_Idm	4.914e+03
original_glcm_Idmn	-1.105e+01
original_glcm_Idn	-1.357e+02
original_glcm_Imc1	-1.711e+01
original_glcm_Imc2	2.989e+01
original_glcm_InverseVariance	-5.705e+02
original_glcm_JointAverage	-1.376e+02
original_glcm_JointEnergy	7.018e+01
original_glcm_JointEntropy	-2.990e+02
original_glcm_MCC	2.985e+00
original_glcm_MaximumProbability	2.748e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	1.537e+02
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	1.411e+02
original_gldm_DependenceNonUniformity	-4.043e+01
original_gldm_DependenceNonUniformityNormalized	7.860e+01
original_gldm_DependenceVariance	-7.239e+01
original_gldm_GrayLevelNonUniformity	7.650e+01
original_gldm_GrayLevelVariance	6.466e-01
original_gldm_HighGrayLevelEmphasis	-1.669e+03
original_gldm_LargeDependenceEmphasis	-1.181e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	-1.772e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.676e+02
original_gldm_LowGrayLevelEmphasis	7.606e+02
original_gldm_SmallDependenceEmphasis	1.435e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	-2.711e+01
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.421e+02
original_glrlm_GrayLevelNonUniformity	1.941e+01
original_glrlm_GrayLevelNonUniformityNormalized	-6.411e+01
original_glrlm_GrayLevelVariance	2.555e+02
original_glrlm_HighGrayLevelRunEmphasis	4.917e+02
original_glrlm_LongRunEmphasis	1.514e+02
original_glrlm_LongRunHighGrayLevelEmphasis	1.567e+02
original_glrlm_LongRunLowGrayLevelEmphasis	4.551e+02
original_glrlm_LowGrayLevelRunEmphasis	-3.789e+02
original_glrlm_RunEntropy	-1.186e+02

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original_glrlm_RunLer	ngthNonUniformity	1.735e+02
original_glrlm_RunLer	ngthNonUniformityNormalized	-9.222e+01
original_glrlm_RunPer	rcentage	-9.289e+02
original_glrlm_RunVar	riance	-3.598e+02
original_glrlm_Short	RunEmphasis	5.319e+02
original glrlm Short	RunHighGrayLevelEmphasis	-2.868e+02
	RunLowGrayLevelEmphasis	-9.320e+02
original_glszm_GrayLe		-2.364e+00
	evelNonUniformityNormalized	7.094e+01
original_glszm_GrayLe	-	-6.408e+01
original_glszm_HighGr		1.586e+01
original_glszm_Large/		4.239e+03
	AreaHighGrayLevelEmphasis	9.380e+00
	AreaLowGrayLevelEmphasis	6.967e+01
original glszm LowGra		4.243e+02
original_glszm_SizeZo	·	2.129e+01
	oneNonUniformityNormalized	-1.656e+01
		1.911e+01
original_glszm_Small	•	
	AreaHighGrayLevelEmphasis	5.107e+01
0 =0 =	AreaLowGrayLevelEmphasis	-2.421e+02
original_glszm_ZoneEr		6.405e+01
original_glszm_ZonePe	_	-9.550e+01
original_glszm_ZoneVa		-4.263e+03
original_ngtdm_Busyne		-1.030e+02
original_ngtdm_Coarse		-4.565e+00
original_ngtdm_Comple		-6.158e+01
original_ngtdm_Contra		-3.014e+02
original_ngtdm_Streng		-1.799e+01
original_shape_Elonga		1.029e+01
original_shape_Flatne		-1.228e+01
original_shape_Least	_	1.737e+01
original_shape_MajorA	AxisLength	-1.607e+01
original_shape_Maximu	um2DDiameterColumn	1.358e+01
original_shape_Maximu	um2DDiameterRow	1.948e+01
original_shape_Maximu	um2DDiameterSlice	-1.007e+01
original_shape_Maximu	um3DDiameter	5.490e+00
original_shape_MeshVo	olume	2.260e+03
original_shape_Minor	AxisLength	1.344e+01
original_shape_Spher:	icity	2.190e+01
original_shape_Surfac	ceArea	-9.704e+01
original_shape_Surfac	ceVolumeRatio	1.775e+02
original_shape_Voxel\	/olume	-2.403e+03
		exp(coef)
original_firstorder_1	10Percentile	2.986e-45
original_firstorder_9		6.493e+46
original_firstorder_N		6.117e-26
original_firstorder_N		5.064e-90
original_firstorder_l		2.598e+166
original_firstorder_		7.153e-03
original_firstorder_N		1.724e+28
original_firstorder_N		2.280e-49
	MeanAbsoluteDeviation	1.535e+38
original_firstorder_N		5.006e+09
original_firstorder_N		8.469e+53
original_firstorder_F		1.000e+00
	RobustMeanAbsoluteDeviation	4.658e-246
or Tetuat I Traconder I	ropus tuedilansotateneviation	4.0306-240

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original_firstorder_RootMeanSquared	2.849e+01
original_firstorder_Skewness	4.678e-02
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	6.387e-75
original_firstorder_Variance	1.330e-137
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	2.520e-57
original_glcm_ClusterTendency	3.905e+87
original_glcm_Contrast	Inf
original_glcm_Correlation	1.821e-10
original_glcm_DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	5.584e+51
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	1.581e-05
original_glcm_Idn	1.200e-59
original_glcm_Imc1	3.695e-08
original_glcm_Imc2	9.620e+12
original_glcm_InverseVariance	1.638e-248
original_glcm_JointAverage	1.733e-60
original_glcm_JointEnergy	3.021e+30
original_glcm_JointEntropy	1.434e-130
original_glcm_MCC	1.978e+01
original_glcm_MaximumProbability	8.630e+11
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	5.907e+66
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	1.815e+61
original_gldm_DependenceNonUniformity	2.755e-18
original_gldm_DependenceNonUniformityNormalized	1.370e+34
original_gldm_DependenceVariance	3.636e-32
original_gldm_GrayLevelNonUniformity	1.680e+33
original_gldm_GrayLevelVariance	1.909e+00
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	4.892e-52
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.160e-77
original_gldm_LargeDependenceLowGrayLevelEmphasis	5.975e+72
original_gldm_LowGrayLevelEmphasis	Inf
original_gldm_SmallDependenceEmphasis	2.050e+62
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.684e-12
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.422e+105
original_glrlm_GrayLevelNonUniformity	2.701e+08
original_glrlm_GrayLevelNonUniformityNormalized	1.439e-28
original_glrlm_GrayLevelVariance	9.176e+110
original_glrlm_HighGrayLevelRunEmphasis	3.656e+213
original_glrlm_LongRunEmphasis	5.841e+65
original_glrlm_LongRunHighGrayLevelEmphasis	1.089e+68
original_glrlm_LongRunLowGrayLevelEmphasis	4.557e+197
original_glrlm_LowGrayLevelRunEmphasis	2.868e-165
original_glrlm_RunEntropy	2.982e-52
original_glrlm_RunLengthNonUniformity	2.315e+75
original_glrlm_RunLengthNonUniformityNormalized	8.891e-41
original_glrlm_RunPercentage	0.000e+00
original_glrlm_RunVariance	5.417e-157
<u>-</u>	

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original_glrlm_ShortRunEmphasis	9.598e+230
original_glrlm_ShortRunHighGrayLevelEmphasis	2.847e-125
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
original_glszm_GrayLevelNonUniformity	9.404e-02
original_glszm_GrayLevelNonUniformityNormalized	6.438e+30
original_glszm_GrayLevelVariance	1.481e-28
original_glszm_HighGrayLevelZoneEmphasis	7.756e+06
original_glszm_LargeAreaEmphasis	Inf
original_glszm_LargeAreaHighGrayLevelEmphasis	1.185e+04
original_glszm_LargeAreaLowGrayLevelEmphasis	1.806e+30
original_glszm_LowGrayLevelZoneEmphasis	1.826e+184
original_glszm_SizeZoneNonUniformity	1.765e+09
original_glszm_SizeZoneNonUniformityNormalized	6.458e-08
original_glszm_SmallAreaEmphasis	2.001e+08
original_glszm_SmallAreaHighGrayLevelEmphasis	1.505e+22
original_glszm_SmallAreaLowGrayLevelEmphasis	6.979e-106
	6.531e+27
original_glszm_ZoneEntropy	
original_glszm_ZonePercentage	3.360e-42
original_glszm_ZoneVariance	0.000e+00
original_ngtdm_Busyness	1.889e-45
original_ngtdm_Coarseness	1.040e-02
original_ngtdm_Complexity	1.799e-27
original_ngtdm_Contrast	1.212e-131
original_ngtdm_Strength	1.535e-08
original_shape_Elongation	2.942e+04
original_shape_Flatness	4.626e-06
original_shape_LeastAxisLength	3.482e+07
original_shape_MajorAxisLength	1.045e-07
original_shape_Maximum2DDiameterColumn	7.910e+05
original_shape_Maximum2DDiameterRow	2.887e+08
original_shape_Maximum2DDiameterSlice	4.222e-05
original_shape_Maximum3DDiameter	2.422e+02
original_shape_MeshVolume	Inf
original_shape_MinorAxisLength	6.839e+05
original_shape_Sphericity	3.234e+09
original_shape_SurfaceArea	7.201e-43
original_shape_SurfaceVolumeRatio	1.284e+77
original_shape_VoxelVolume	0.000e+00
	se(coef)
original_firstorder_10Percentile	1.598e-01
original_firstorder_90Percentile	1.382e-01
original_firstorder_Energy	1.435e-01
original_firstorder_Entropy	2.130e-01
original_firstorder_InterquartileRange	2.193e-01
original_firstorder_Kurtosis	2.276e-01
original_firstorder_Maximum	1.847e-01
original_firstorder_Mean	1.859e-01
original_firstorder_MeanAbsoluteDeviation	1.734e-01
original_firstorder_Median	2.205e-01
original_firstorder_Minimum	1.025e+00
original_firstorder_Range	2.316e-01
original_firstorder_RobustMeanAbsoluteDeviation	2.310e-01 2.212e-01
original_firstorder_RootMeanSquared	1.819e-01
	2.483e-01
original_firstorder_Skewness	
original_firstorder_TotalEnergy	1.435e-01
original_firstorder_Uniformity	2.538e-01

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original_firstorder_Variance	2.633e-01
original_glcm_Autocorrelation	6.511e-01
original_glcm_Autoconvelation original_glcm_ClusterProminence	7.087e-01
original_glcm_ClusterShade	3.732e-01
	2.255e-01
original_glcm_ClusterTendency	
original_glcm_Contrast	6.450e-01
original_glcm_Correlation	2.230e-01
original_glcm_DifferenceAverage	2.330e-01
original_glcm_DifferenceEntropy	2.262e-01
original_glcm_DifferenceVariance	6.785e-01
original_glcm_Id	2.045e-01
original_glcm_Idm	2.036e-01
original_glcm_Idmn	3.304e-01
original_glcm_Idn	3.054e-01
original_glcm_Imc1	1.996e-01
original_glcm_Imc2	2.748e-01
original_glcm_InverseVariance	1.971e-01
original_glcm_JointAverage	9.676e-01
original_glcm_JointEnergy	2.723e-01
original_glcm_JointEntropy	2.083e-01
original_glcm_MCC	2.627e-01
original_glcm_MaximumProbability	2.354e-01
original_glcm_SumAverage	9.676e-01
original_glcm_SumEntropy	2.172e-01
original_glcm_SumSquares	2.698e-01
original_gldm_DependenceEntropy	2.449e-01
original_gldm_DependenceNonUniformity	1.480e-01
original_gldm_DependenceNonUniformityNormalized	2.355e-01
original_gldm_DependenceVariance	1.992e-01
original_gldm_GrayLevelNonUniformity	1.489e-01
original_gldm_GrayLevelVariance	2.628e-01
original_gldm_HighGrayLevelEmphasis	6.477e-01
original_gldm_LargeDependenceEmphasis	2.318e-01
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.785e-01
original_gldm_LargeDependenceLowGrayLevelEmphasis	7.506e-01
original_gldm_LowGrayLevelEmphasis	2.005e-01
original_gldm_SmallDependenceEmphasis	2.604e-01
original_gldm_SmallDependenceHighGrayLevelEmphasis	2.160e-01
original_gldm_SmallDependenceLowGrayLevelEmphasis	3.722e-01
original_glrlm_GrayLevelNonUniformity	1.454e-01
original_glrlm_GrayLevelNonUniformityNormalized	2.648e-01
original_glrlm_GrayLevelVariance	2.565e-01
original_glrlm_HighGrayLevelRunEmphasis	6.343e-01
original_glrlm_LongRunEmphasis	2.791e-01
original_glrlm_LongRunHighGrayLevelEmphasis	2.023e-01
original_glrlm_LongRunLowGrayLevelEmphasis	3.133e-01
original_glrlm_LowGrayLevelRunEmphasis	2.239e-01
original_glrlm_RunEntropy	2.719e-01
original_glrlm_RunLengthNonUniformity	1.394e-01
original_glrlm_RunLengthNonUniformityNormalized	2.372e-01
original_glrlm_RunPercentage	2.392e-01
original_glrlm_RunVariance	2.751e-01
original_glrlm_ShortRunEmphasis	2.412e-01
original_glrlm_ShortRunHighGrayLevelEmphasis	4.802e-01
original_glrlm_ShortRunLowGrayLevelEmphasis	2.019e-01
original_glszm_GrayLevelNonUniformity	1.516e-01
<u> </u>	

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original_glszm_GrayLevelNonUniformityNormalized	7.229e-01
original_glszm_GrayLevelVariance	2.139e-01
original_glszm_HighGrayLevelZoneEmphasis	4.051e-01
original_glszm_LargeAreaEmphasis	1.562e-01
original_glszm_LargeAreaHighGrayLevelEmphasis	1.068e-01
original_glszm_LargeAreaLowGrayLevelEmphasis	1.867e+00
original_glszm_LowGrayLevelZoneEmphasis	1.021e+00
original_glszm_SizeZoneNonUniformity	1.521e-01
original_glszm_SizeZoneNonUniformityNormalized	2.785e-01
original_glszm_SmallAreaEmphasis	3.156e-01
original_glszm_SmallAreaHighGrayLevelEmphasis	3.484e-01
original_glszm_SmallAreaLowGrayLevelEmphasis	9.048e-01
original_glszm_ZoneEntropy	3.272e-01
original_glszm_ZonePercentage	2.673e-01
original_glszm_ZoneVariance	1.559e-01
original_ngtdm_Busyness	9.388e-01
original_ngtdm_Coarseness	6.453e-01
original ngtdm Complexity	2.826e-01
original_ngtdm_Contrast	5.344e-01
original_ngtdm_Strength	4.727e-01
original_shape_Elongation	2.002e-01
original_shape_Flatness	2.445e-01
original_shape_LeastAxisLength	1.750e-01
original_shape_MajorAxisLength	2.047e-01
original_shape_Maximum2DDiameterColumn	1.992e-01
original_shape_Maximum2DDiameterRow	1.949e-01
original_shape_Maximum2DDiameterSlice	1.868e-01
original_shape_Maximum3DDiameter	1.869e-01
original_shape_MeshVolume	1.460e-01
original_shape_MinorAxisLength	1.917e-01
original_shape_Sphericity	2.453e-01
original shape SurfaceArea	1.252e-01
original_shape_SurfaceVolumeRatio	2.370e-01
original_shape_VoxelVolume	1.461e-01
	z
original_firstorder_10Percentile	-641.651
original_firstorder_90Percentile	779.753
original_firstorder_Energy	-404.612
original_firstorder_Entropy	-965.414
original_firstorder_InterquartileRange	1747.585
original firstorder Kurtosis	-21.701
original_firstorder_Maximum	351.969
original_firstorder_Mean	-602.466
original_firstorder_MeanAbsoluteDeviation	507.061
original_firstorder_Median	101.289
original_firstorder_Minimum	121.169
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	-2554.065
original_firstorder_RootMeanSquared	18.418
original_firstorder_Skewness	-12.335
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-673.162
original_firstorder_Variance	-1196.921
original_glcm_Autocorrelation	2558.575
original_glcm_ClusterProminence	-2390.731
original_glcm_ClusterShade	-349.170

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ı	
original_glcm_ClusterTendency	894.467
original_glcm_Contrast	9483.382
original_glcm_Correlation	-100.564
original_glcm_DifferenceAverage	-6902.725
original_glcm_DifferenceEntropy	526.650
original_glcm_DifferenceVariance	-4993.241
original_glcm_Id	-30167.870
original_glcm_Idm	24130.108
original_glcm_Idmn	-33.462
original_glcm_Idn	-444.301
original_glcm_Imc1	-85.755
original_glcm_Imc2	108.785
original_glcm_InverseVariance	-2895.325
original_glcm_JointAverage	-142.218
original_glcm_JointEnergy	257.711
original_glcm_JointEntropy	-1435.096
original_glcm_MCC	11.362
original_glcm_MaximumProbability	116.746
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	707.955
	0.000
original_glcm_SumSquares	
original_gldm_DependenceEntropy	576.004
original_gldm_DependenceNonUniformity	-273.241
original_gldm_DependenceNonUniformityNormalized	333.770
original_gldm_DependenceVariance	-363.457
original_gldm_GrayLevelNonUniformity	513.737
original_gldm_GrayLevelVariance	2.460
original_gldm_HighGrayLevelEmphasis	-2577.456
original_gldm_LargeDependenceEmphasis	-509.654
original_gldm_LargeDependenceHighGrayLevelEmphasis	-992.275
original_gldm_LargeDependenceLowGrayLevelEmphasis	223.254
original_gldm_LowGrayLevelEmphasis	3793.210
original_gldm_SmallDependenceEmphasis	551.009
original_gldm_SmallDependenceHighGrayLevelEmphasis	-125.490
original_gldm_SmallDependenceLowGrayLevelEmphasis	650.509
original_glrlm_GrayLevelNonUniformity	133.520
original_glrlm_GrayLevelNonUniformityNormalized	-242.134
original_glrlm_GrayLevelVariance	996.194
original_glrlm_HighGrayLevelRunEmphasis	775.292
original_glrlm_LongRunEmphasis	542.483
original_glrlm_LongRunHighGrayLevelEmphasis	774.317
original_glrlm_LongRunLowGrayLevelEmphasis	1452.458
original_glrlm_LowGrayLevelRunEmphasis	-1692.156
original_glrlm_RunEntropy	-436.288
original_glrlm_RunLengthNonUniformity	1245.063
original_glrlm_RunLengthNonUniformityNormalized	-388.819
original_glrlm_RunPercentage	-3882.608
original_glrlm_RunVariance	-1308.028
original_glrlm_ShortRunEmphasis	2205.471
original_glrlm_ShortRunHighGrayLevelEmphasis	-597.205
original_glrlm_ShortRunLowGrayLevelEmphasis	-4615.349
original_glszm_GrayLevelNonUniformity	-15.597
original_glszm_GrayLevelNonUniformity original_glszm_GrayLevelNonUniformityNormalized	98.135
	-299.606
original_glszm_GrayLevelVariance	
original_glszm_HighGrayLevelZoneEmphasis	39.162
original_glszm_LargeAreaEmphasis	27135.158

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original_glszm_LargeAreaHighGrayLevelEmphasis	07 047
	87.847
original_glszm_LargeAreaLowGrayLevelEmphasis	37.321
original_glszm_LowGrayLevelZoneEmphasis	415.454
original_glszm_SizeZoneNonUniformity	140.021
original_glszm_SizeZoneNonUniformityNormalized	-59.446
original_glszm_SmallAreaEmphasis	60.562
original_glszm_SmallAreaHighGrayLevelEmphasis	146.565
original_glszm_SmallAreaLowGrayLevelEmphasis	-267.605
original_glszm_ZoneEntropy	195.739
original_glszm_ZonePercentage	-357.330
original_glszm_ZoneVariance	-27344.619
original_ngtdm_Busyness	-109.698
original_ngtdm_Coarseness	-7.075
	-217.937
original_ngtdm_Complexity	
original_ngtdm_Contrast	-564.104
original_ngtdm_Strength	-38.065
original_shape_Elongation	51.391
original_shape_Flatness	-50.236
original_shape_LeastAxisLength	99.248
original_shape_MajorAxisLength	-78.533
original_shape_Maximum2DDiameterColumn	68.172
original_shape_Maximum2DDiameterRow	99.977
original_shape_Maximum2DDiameterSlice	-53.922
original_shape_Maximum3DDiameter	29.366
original_shape_MeshVolume	15484.625
original_shape_MinorAxisLength	70.095
original_shape_Sphericity	89.278
original_shape_SurfaceArea	-774.767
original_shape_SurfaceVolumeRatio	749.151
original_shape_VoxelVolume	-16445.554
	р
original_firstorder_10Percentile	< 2e-16
original firstorder 90Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16 < 2e-16
original_firstorder_Energy	< 2e-16
original_firstorder_Energy original_firstorder_Entropy	< 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange	< 2e-16 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis	< 2e-16 < 2e-16 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum	< 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean	< 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation	< 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range	< 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_Skewness original_firstorder_TotalEnergy	< 2e-16 1.0000 < 2e-16 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity	< 2e-16 1.0000 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_Range original_firstorder_RootMeanAbsoluteDeviation original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance	< 2e-16 1.0000 < 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_Median original_firstorder_Median original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RootMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RootMeanAbsoluteDeviation original_firstorder_RotMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency original_glcm_Correlation	< 2e-16
original_firstorder_Energy original_firstorder_Entropy original_firstorder_InterquartileRange original_firstorder_Kurtosis original_firstorder_Maximum original_firstorder_Mean original_firstorder_MeanAbsoluteDeviation original_firstorder_Median original_firstorder_Minimum original_firstorder_Range original_firstorder_RobustMeanAbsoluteDeviation original_firstorder_RobustMeanSquared original_firstorder_Skewness original_firstorder_TotalEnergy original_firstorder_Uniformity original_firstorder_Variance original_glcm_Autocorrelation original_glcm_ClusterProminence original_glcm_ClusterShade original_glcm_ClusterTendency original_glcm_ClusterTendency	< 2e-16

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original_glcm_DifferenceEntropy	< 2e-16
original_glcm_DifferenceVariance	
	< 2e-16
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	< 2e-16
original_glcm_Imc2	< 2e-16
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	< 2e-16
original_glcm_MaximumProbability	< 2e-16
original_glcm_SumAverage	1.0000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	1.0000
original_gldm_DependenceEntropy	< 2e-16
original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	< 2e-16
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	0.0139
original_gldm_HighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
original_gldm_LowGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceEmphasis	< 2e-16
original_gldm_SmallDependenceHighGrayLevelEmphasis	< 2e-16
original gldm SmallDependenceLowGrayLevelEmphasis	< 2e-16
original_glrlm_GrayLevelNonUniformity	< 2e-16
original_glrlm_GrayLevelNonUniformityNormalized	< 2e-16
original_glrlm_GrayLevelVariance	< 2e-16
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	< 2e-16
original_glrlm_LongRunHighGrayLevelEmphasis	< 2e-16
original_glrlm_LongRunLowGrayLevelEmphasis	< 2e-16
original_glrlm_LowGrayLevelRunEmphasis	< 2e-16
, , ,	
original_glrlm_RunEntropy	< 2e-16
original_glrlm_RunLengthNonUniformity	< 2e-16
original_glrlm_RunLengthNonUniformityNormalized	< 2e-16
original_glrlm_RunPercentage	< 2e-16
original_glrlm_RunVariance	< 2e-16
original_glrlm_ShortRunEmphasis	< 2e-16
original_glrlm_ShortRunHighGrayLevelEmphasis	< 2e-16
original_glrlm_ShortRunLowGrayLevelEmphasis	< 2e-16
original_glszm_GrayLevelNonUniformity	< 2e-16
original_glszm_GrayLevelNonUniformityNormalized	< 2e-16
original_glszm_GrayLevelVariance	< 2e-16
original_glszm_HighGrayLevelZoneEmphasis	< 2e-16
original_glszm_LargeAreaEmphasis	< 2e-16
original_glszm_LargeAreaHighGrayLevelEmphasis	< 2e-16
original_glszm_LargeAreaLowGrayLevelEmphasis	< 2e-16
original_glszm_LowGrayLevelZoneEmphasis	< 2e-16
original_glszm_SizeZoneNonUniformity	< 2e-16
1	

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```
original glszm SizeZoneNonUniformityNormalized
                                                    < 2e-16
original glszm SmallAreaEmphasis
                                                     < 2e-16
original glszm SmallAreaHighGrayLevelEmphasis
                                                    < 2e-16
original glszm SmallAreaLowGrayLevelEmphasis
                                                    < 2e-16
                                                    < 2e-16
original_glszm_ZoneEntropy
original glszm ZonePercentage
                                                     < 2e-16
                                                    < 2e-16
original_glszm_ZoneVariance
original_ngtdm_Busyness
                                                    < 2e-16
original_ngtdm_Coarseness
                                                   1.49e-12
original_ngtdm_Complexity
                                                    < 2e-16
original_ngtdm_Contrast
                                                    < 2e-16
original_ngtdm_Strength
                                                    < 2e-16
original_shape_Elongation
                                                    < 2e-16
original_shape_Flatness
                                                    < 2e-16
original_shape_LeastAxisLength
                                                     < 2e-16
                                                    < 2e-16
original_shape_MajorAxisLength
                                                    < 2e-16
original shape Maximum2DDiameterColumn
original shape Maximum2DDiameterRow
                                                    < 2e-16
original shape Maximum2DDiameterSlice
                                                     < 2e-16
original shape Maximum3DDiameter
                                                    < 2e-16
original shape MeshVolume
                                                     < 2e-16
original shape MinorAxisLength
                                                     < 2e-16
                                                     < 2e-16
original_shape_Sphericity
original_shape_SurfaceArea
                                                    < 2e-16
original shape SurfaceVolumeRatio
                                                     < 2e-16
original_shape_VoxelVolume
                                                     < 2e-16
Likelihood ratio test=240.5 on 107 df, p=2.85e-12
n= 126, number of events= 31
$model_list[[4]]$coxmodels[[2]]
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
   x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                     6.594e+02
original firstorder 90Percentile
                                                     -2.824e+02
original firstorder Energy
                                                     -4.858e+01
original firstorder Entropy
                                                    -9.184e+02
original_firstorder_InterquartileRange
                                                    -1.119e+03
original firstorder Kurtosis
                                                     3.050e+00
original firstorder Maximum
                                                     -1.952e+00
original firstorder Mean
                                                     1.946e+02
original firstorder MeanAbsoluteDeviation
                                                      1.460e+03
original firstorder Median
                                                     -2.082e+02
original firstorder Minimum
                                                      2.243e+02
original firstorder Range
                                                     0.000e+00
original firstorder RobustMeanAbsoluteDeviation
                                                     1.180e+03
original firstorder RootMeanSquared
                                                     4.586e+01
original firstorder Skewness
                                                     -9.218e+00
original_firstorder_TotalEnergy
                                                     0.000e+00
original firstorder Uniformity
                                                     -2.669e+02
original firstorder Variance
                                                      5.761e+03
original_glcm_Autocorrelation
                                                      2.587e+03
```

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original_glcm_ClusterProminence	-2.559e+05
original_glcm_ClusterShade	-7.578e+03
original_glcm_ClusterTendency	-2.355e+04
original_glcm_Contrast	1.107e+04
original_glcm_Correlation	2.932e+01
original_glcm_DifferenceAverage	-6.533e+03
original_glcm_DifferenceEntropy	-7.764e+00
original_glcm_DifferenceVariance	-2.270e+03
original glcm Id	-2.724e+04
original_glcm_Idm	2.235e+04
original_glcm_Idmn	-1.775e+01
original_glcm_Idn	1.792e+01
original_glcm_Imc1	-3.116e+00
original_glcm_Imc2	-9.682e+01
original_glcm_InverseVariance	-2.485e+03
original_glcm_JointAverage	1.539e+02
original_glcm_JointEnergy	7.618e+01
original glcm JointEntropy	2.312e+02
original_glcm_MCC	-6.331e+00
original_glcm_MaximumProbability	4.505e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	1.554e+02
original_glcm_SumSquares	2.781e+04
original_gldm_DependenceEntropy	2.417e+01
original_gldm_DependenceNonUniformity	-6.009e+01
original_gldm_DependenceNonUniformityNormalized	1.160e+02
original_gldm_DependenceVariance	1.586e+01
original_gldm_GrayLevelNonUniformity	-9.178e+01
original_gldm_GrayLevelVariance	-2.930e+03
original_gldm_HighGrayLevelEmphasis	-9.789e+02
original_gldm_LargeDependenceEmphasis	-4.877e+01
original_gldm_LargeDependenceHighGrayLevelEmphasis	-2.933e+01
original_gldm_LargeDependenceLowGrayLevelEmphasis	6.883e+01
original_gldm_LowGrayLevelEmphasis	1.458e+02
original_gldm_SmallDependenceEmphasis	-4.183e+01
<pre>original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	-6.198e+01
original_gldm_SmallDependenceLowGrayLevelEmphasis	-2.630e+01
original_glrlm_GrayLevelNonUniformity	-5.485e+00
original_glrlm_GrayLevelNonUniformityNormalized	5.707e+01
original_glrlm_GrayLevelVariance	-3.400e+03
original_glrlm_HighGrayLevelRunEmphasis	-1.570e+03
original_glrlm_LongRunEmphasis	-3.326e+01
original_glrlm_LongRunHighGrayLevelEmphasis	-4.482e+01
original_glrlm_LongRunLowGrayLevelEmphasis	-3.327e+01
original_glrlm_LowGrayLevelRunEmphasis	-3.900e+02
original_glrlm_RunEntropy	5.883e+02
original_glrlm_RunLengthNonUniformity	2.667e+02
original_glrlm_RunLengthNonUniformityNormalized	4.533e+02
original_glrlm_RunPercentage	2.554e+01
original_glrlm_RunVariance	1.937e+00
original_glrlm_ShortRunEmphasis	-2.026e+02
original_glrlm_ShortRunHighGrayLevelEmphasis	-3.408e+01
original_glrlm_ShortRunLowGrayLevelEmphasis	2.694e+02
original_glszm_GrayLevelNonUniformity	-2.740e+01
original_glszm_GrayLevelNonUniformityNormalized	-1.376e-01
original_glszm_GrayLevelVariance	2.409e+02

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04/2023, 11:51 Simulated exam	pies for the survival ens
original_glszm_HighGrayLevelZoneEmphasis	1.574e+02
original_glszm_LargeAreaEmphasis	-6.096e+03
original_glszm_LargeAreaHighGrayLevelEmphasis	3.965e+01
original_glszm_LargeAreaLowGrayLevelEmphasis	8.528e+00
original_glszm_LowGrayLevelZoneEmphasis	-5.691e+00
original_glszm_SizeZoneNonUniformity	1.427e+02
original_glszm_SizeZoneNonUniformityNormalized	-3.391e+01
original_glszm_SmallAreaEmphasis	3.117e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	-4.096e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	-2.538e+00
original_glszm_ZoneEntropy	-6.085e+01
original_glszm_ZonePercentage	-5.158e+01
original_glszm_ZoneVariance	6.154e+03
original_ngtdm_Busyness	-1.326e+01
original_ngtdm_Coarseness	1.759e+01
original_ngtdm_Complexity	-1.712e+02
original_ngtdm_Contrast	-2.897e+01
original_ngtdm_Strength	1.516e+02
original_shape_Elongation	-1.586e+01
	2.537e+01
original_shape_Flatness	
original_shape_LeastAxisLength	-6.518e+01
original_shape_MajorAxisLength	-1.997e+01
original_shape_Maximum2DDiameterColumn	2.416e+01
original_shape_Maximum2DDiameterRow	2.305e+01
original_shape_Maximum2DDiameterSlice	1.093e+01
original_shape_Maximum3DDiameter	-6.329e+00
original_shape_MeshVolume	-3.636e+03
original_shape_MinorAxisLength	4.078e+01
original_shape_Sphericity	-2.967e+01
original_shape_SurfaceArea	-1.125e+02
original_shape_SurfaceVolumeRatio	1.245e+02
original_shape_VoxelVolume	3.570e+03
	exp(coef)
original_firstorder_10Percentile	2.448e+286
original_firstorder_90Percentile	2.282e-123
original_firstorder_Energy	8.008e-22
original_firstorder_Entropy	0.000e+00
original_firstorder_InterquartileRange	0.000e+00
original_firstorder_Kurtosis	2.111e+01
original_firstorder_Maximum	1.419e-01
original_firstorder_Mean	3.237e+84
original_firstorder_MeanAbsoluteDeviation	Inf
original_firstorder_Median	3.887e-91
original_firstorder_Minimum	2.714e+97
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	Inf
original_firstorder_RootMeanSquared	8.228e+19
original_firstorder_Skewness	9.926e-05
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	1.206e-116
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	Inf
original_glcm_ClusterProminence	0.000e+00
original_glcm_ClusterShade	0.000e+00
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	Inf

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oniginal glam Connelation	F 4100.112
original_glcm_Correlation	5.410e+12
original_glcm_DifferenceAverage	0.000e+00
original_glcm_DifferenceEntropy	4.246e-04
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	1.950e-08
original_glcm_Idn	6.077e+07
original_glcm_Imc1	4.431e-02
original_glcm_Imc2	8.927e-43
original_glcm_InverseVariance	0.000e+00
original_glcm_JointAverage	7.077e+66
original_glcm_JointEnergy	1.212e+33
original_glcm_JointEntropy	2.513e+100
original_glcm_MCC	1.781e-03
original_glcm_MaximumProbability	3.664e+19
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	3.220e+67
original_glcm_SumSquares	Inf
original_gldm_DependenceEntropy	3.145e+10
original_gldm_DependenceNonUniformity	8.026e-27
original_gldm_DependenceNonUniformityNormalized	2.393e+50
original_gldm_DependenceVariance	7.721e+06
original_gldm_GrayLevelNonUniformity	1.378e-40
original_gldm_GrayLevelVariance	0.000e+00
original_gldm_HighGrayLevelEmphasis	0.000e+00
original_gldm_LargeDependenceEmphasis	6.610e-22
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.836e-13
original_gldm_LargeDependenceLowGrayLevelEmphasis	7.814e+29
original_gldm_LowGrayLevelEmphasis	2.177e+63
original_gldm_SmallDependenceEmphasis	6.836e-19
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.211e-27
original_gldm_SmallDependenceLowGrayLevelEmphasis	3.801e-12
original_glrlm_GrayLevelNonUniformity	4.150e-03
,	
original_glrlm_GrayLevelNonUniformityNormalized	6.127e+24
original_glrlm_GrayLevelVariance	0.000e+00
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	3.586e-15
original_glrlm_LongRunHighGrayLevelEmphasis	3.431e-20
original_glrlm_LongRunLowGrayLevelEmphasis	3.573e-15
original_glrlm_LowGrayLevelRunEmphasis	4.282e-170
original_glrlm_RunEntropy	3.101e+255
original_glrlm_RunLengthNonUniformity	6.807e+115
original_glrlm_RunLengthNonUniformityNormalized	7.286e+196
original_glrlm_RunPercentage	1.237e+11
original_glrlm_RunVariance	6.940e+00
original_glrlm_ShortRunEmphasis	1.016e-88
original_glrlm_ShortRunHighGrayLevelEmphasis	1.583e-15
original_glrlm_ShortRunLowGrayLevelEmphasis	1.009e+117
original_glszm_GrayLevelNonUniformity	1.254e-12
original_glszm_GrayLevelNonUniformityNormalized	8.714e-01
original_glszm_GrayLevelVariance	4.001e+104
original_glszm_HighGrayLevelZoneEmphasis	2.375e+68
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.658e+17
original_glszm_LargeAreaLowGrayLevelEmphasis	5.054e+03

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original_glszm_LowGrayLevelZoneEmphasis	3.377e-03
original_glszm_SizeZoneNonUniformity	9.087e+61
original_glszm_SizeZoneNonUniformityNormalized	1.874e-15
original_glszm_SmallAreaEmphasis	3.436e+13
original_glszm_SmallAreaHighGrayLevelEmphasis	1.625e-18
original_glszm_SmallAreaLowGrayLevelEmphasis	7.903e-02
original_glszm_ZoneEntropy	3.761e-27
original_glszm_ZonePercentage	3.977e-23
original_glszm_ZoneVariance	Inf
original_ngtdm_Busyness	1.748e-06
original_ngtdm_Coarseness	4.346e+07
original_ngtdm_Complexity	4.660e-75
original_ngtdm_Contrast	2.611e-13
original_ngtdm_Strength	6.673e+65
original_shape_Elongation	1.297e-07
original_shape_Flatness	1.038e+11
original_shape_LeastAxisLength	4.946e-29
original_shape_MajorAxisLength	2.122e-09
original_shape_Maximum2DDiameterColumn	3.102e+10
original shape Maximum2DDiameterRow	1.022e+10
original_shape_Maximum2DDiameterSlice	5.607e+04
original_shape_Maximum3DDiameter	1.784e-03
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	5.120e+17
original_shape_Sphericity	1.306e-13
original_shape_SurfaceArea	1.427e-49
original_shape_SurfaceVolumeRatio	1.157e+54
original_shape_VoxelVolume	Inf
or iginal_shape_voxervorame	se(coef)
original_firstorder_10Percentile	3.272e+02
original_firstorder_90Percentile	9.834e+01
original_firstorder_Energy	5.725e+02
original_firstorder_Entropy	9.005e+01
	3.135e+02
<pre>original_firstorder_InterquartileRange original_firstorder_Kurtosis</pre>	
	8.705e+01
original_firstorder_Maximum	1.966e+02
original_firstorder_Mean	1.139e+02
original_firstorder_MeanAbsoluteDeviation	2.890e+02
original_firstorder_Median	7.617e+01
original_firstorder_Minimum	1.465e+02
original_firstorder_Range	2.187e+02
original_firstorder_RobustMeanAbsoluteDeviation	3.119e+02
original_firstorder_RootMeanSquared	1.415e+02
original_firstorder_Skewness	6.512e+01
original_firstorder_TotalEnergy	5.725e+02
original_firstorder_Uniformity	6.547e+01
original_firstorder_Variance	2.002e+03
original_glcm_Autocorrelation	2.162e+02
original_glcm_ClusterProminence	5.515e+05
original_glcm_ClusterShade	2.281e+04
original_glcm_ClusterTendency	2.302e+03
original_glcm_Contrast	1.500e+03
original_glcm_Correlation	1.815e+02
original_glcm_DifferenceAverage	1.179e+02
original_glcm_DifferenceEntropy	6.585e+01
original_glcm_DifferenceVariance	1.915e+03
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original_glcm_Id	6.092e+01
original_glcm_Idm	6.192e+01
original_glcm_Idmn	7.630e+01
original_glcm_Idn	6.778e+01
original_glcm_Imc1	9.655e+01
original_glcm_Imc2	1.604e+02
original_glcm_InverseVariance	5.876e+01
original_glcm_JointAverage	1.285e+02
original_glcm_JointEnergy	5.320e+01
original_glcm_JointEntropy	7.397e+01
original_glcm_MCC	1.214e+02
original_glcm_MaximumProbability	6.039e+01
original_glcm_SumAverage	1.285e+02
original_glcm_SumEntropy	7.886e+01
original_glcm_SumSquares	2.044e+03
original_gldm_DependenceEntropy	1.059e+02
original_gldm_DependenceNonUniformity	2.664e+02
original_gldm_DependenceNonUniformityNormalized	1.385e+02
original_gldm_DependenceVariance	2.861e+02
original_gldm_GrayLevelNonUniformity	1.593e+02
original_gldm_GrayLevelVariance	1.920e+03
original_gldm_HighGrayLevelEmphasis	2.156e+02
original_gldm_LargeDependenceEmphasis	2.385e+02
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.346e+02
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.699e+02
original_gldm_LowGrayLevelEmphasis	6.880e+01
original_gldm_SmallDependenceEmphasis	5.848e+01
original_gldm_SmallDependenceHighGrayLevelEmphasis	2.232e+02
original_gldm_SmallDependenceLowGrayLevelEmphasis	7.268e+01
original_glrlm_GrayLevelNonUniformity	1.733e+02
original_glrlm_GrayLevelNonUniformityNormalized	6.020e+01
original_glrlm_GrayLevelVariance	1.864e+03
original_glrlm_HighGrayLevelRunEmphasis	2.129e+02
original_glrlm_LongRunEmphasis	7.584e+01
original_glrlm_LongRunHighGrayLevelEmphasis	2.507e+02
original_glrlm_LongRunLowGrayLevelEmphasis	1.066e+02
original_glrlm_LowGrayLevelRunEmphasis	6.750e+01
original_glrlm_RunEntropy	1.331e+02
original_glrlm_RunLengthNonUniformity	2.796e+02
original_glrlm_RunLengthNonUniformityNormalized	2.103e+02
original_glrlm_RunPercentage	1.756e+02
original_glrlm_RunVariance	8.816e+01
original_glrlm_ShortRunEmphasis	1.629e+02
original_glrlm_ShortRunHighGrayLevelEmphasis	2.248e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	6.226e+01
original_glszm_GrayLevelNonUniformity	2.261e+02
original_glszm_GrayLevelNonUniformityNormalized	1.315e+02
original_glszm_GrayLevelVariance	1.199e+03
original_glszm_HighGrayLevelZoneEmphasis	1.982e+02
original_glszm_LargeAreaEmphasis	1.451e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	2.360e+02
original_glszm_LargeAreaLowGrayLevelEmphasis	2.059e+02
original_glszm_LowGrayLevelZoneEmphasis	6.704e+01
original_glszm_SizeZoneNonUniformity	4.773e+02
original_glszm_SizeZoneNonUniformityNormalized	1.014e+02
original_glszm_SmallAreaEmphasis	9.112e+01

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original_glszm_SmallAreaHighGrayLevelEmphasis	2.208e+02
original_glszm_SmallAreaLowGrayLevelEmphasis	1.008e+02
original_glszm_ZoneEntropy	1.897e+02
original_glszm_ZonePercentage	5.466e+01
original_glszm_ZoneVariance	1.450e+02
original_ngtdm_Busyness	2.038e+02
original_ngtdm_Coarseness	4.021e+01
original_ngtdm_Complexity	1.694e+03
original_ngtdm_Contrast	2.362e+02
original_ngtdm_Strength	3.311e+02
original_shape_Elongation	1.006e+02
original_shape_Flatness	7.827e+01
original_shape_LeastAxisLength	1.023e+02
original_shape_MajorAxisLength	2.125e+02
original_shape_Maximum2DDiameterColumn	1.784e+02
original_shape_Maximum2DDiameterRow	1.616e+02
original_shape_Maximum2DDiameterSlice	1.926e+02
original shape Maximum3DDiameter	2.054e+02
original_shape_MeshVolume	1.829e+02
original_shape_MinorAxisLength	1.791e+02
original_shape_Sphericity	2.228e+02
original_shape_SurfaceArea	3.995e+02
original_shape_SurfaceVolumeRatio	2.175e+02
original_shape_VoxelVolume	1.832e+02
	Z
original_firstorder_10Percentile	2.016
original_firstorder_90Percentile	-2.872
original_firstorder_Energy	-0.085
original firstorder Entropy	-10.199
original_firstorder_InterquartileRange	-3.569
original_firstorder_Kurtosis	0.035
original_firstorder_Maximum	-0.010
original_firstorder_Mean	1.708
original_firstorder_MeanAbsoluteDeviation	5.053
original_firstorder_Median	-2.733
original_firstorder_Minimum	1.531
original_firstorder_Range	0.000
original_firstorder_RobustMeanAbsoluteDeviation	3.783
original_firstorder_RootMeanSquared	0.324
original_firstorder_Skewness	-0.142
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-4.077
original_firstorder_Variance	2.878
original_glcm_Autocorrelation	11.968
original_glcm_ClusterProminence	-0.464
original_glcm_ClusterShade	-0.332
original_glcm_ClusterTendency	-10.232
original_glcm_Contrast	7.379
original_glcm_Correlation	0.162
original_glcm_DifferenceAverage	-55.393
original_glcm_DifferenceEntropy	-0.118
original_glcm_DifferenceVariance	-1.185
original_glcm_Id	-447.188
original_glcm_Idm	360.959
original_glcm_Idmn	-0.233
original_glcm_Idn	0.264
40	0.204

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original_glcm_Imc1	-0.032
original_glcm_Imc2	-0.604
original_glcm_InverseVariance	-42.286
original_glcm_JointAverage	1.198
original_glcm_JointEnergy	1.432
original_glcm_JointEntropy	3.125
original_glcm_MCC	-0.052
original_glcm_MaximumProbability	0.746
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	1.971
original_glcm_SumSquares	13.607
original_gldm_DependenceEntropy	0.228
original_gldm_DependenceNonUniformity	-0.226
original_gldm_DependenceNonUniformityNormalized	0.838
original_gldm_DependenceVariance	0.055
original_gldm_GrayLevelNonUniformity	-0.576
original_gldm_GrayLevelVariance	-1.526
original_gldm_HighGrayLevelEmphasis	-4.541
original_gldm_LargeDependenceEmphasis	-0.204
original_gldm_LargeDependenceHighGrayLevelEmphasis	-0.125
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.405
original_gldm_LowGrayLevelEmphasis	2.120
original_gldm_SmallDependenceEmphasis	-0.715
original_gldm_SmallDependenceHighGrayLevelEmphasis	-0.278
original_gldm_SmallDependenceLowGrayLevelEmphasis	-0.362
original_glrlm_GrayLevelNonUniformity	-0.032
original_glrlm_GrayLevelNonUniformityNormalized	0.948
original_glrlm_GrayLevelVariance	-1.824
original_glrlm_HighGrayLevelRunEmphasis	-7.375
original_glrlm_LongRunEmphasis	-0.439
original_glrlm_LongRunHighGrayLevelEmphasis	-0.179
<pre>original_glrlm_LongRunLowGrayLevelEmphasis original_glrlm_LowGrayLevelRunEmphasis</pre>	-0.312 -5.778
original_glrlm_RunEntropy	4.419 0.954
<pre>original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized</pre>	2.156
	0.145
<pre>original_glrlm_RunPercentage original_glrlm_RunVariance</pre>	0.022
original_glrlm_Kunvariance original_glrlm_ShortRunEmphasis	-1.244
	-0.152
<pre>original_glrlm_ShortRunHighGrayLevelEmphasis original_glrlm_ShortRunLowGrayLevelEmphasis</pre>	4.327
original_glszm_GrayLevelNonUniformity	-0.121
original_glszm_GrayLevelNonUniformityNormalized	-0.001
original_glszm_GrayLevelVariance	0.201
original_glszm_HighGrayLevelZoneEmphasis	0.794
original_glszm_LargeAreaEmphasis	-42.009
original_glszm_LargeAreaHighGrayLevelEmphasis	0.168
original_glszm_LargeAreaLowGrayLevelEmphasis	0.041
original_glszm_LowGrayLevelZoneEmphasis	-0.085
original_glszm_SizeZoneNonUniformity	0.299
original_glszm_SizeZoneNonUniformityNormalized	-0.334
original_glszm_SmallAreaEmphasis	0.342
original_glszm_SmallAreaHighGrayLevelEmphasis	-0.186
original_glszm_SmallAreaLowGrayLevelEmphasis	-0.025
original_glszm_ZoneEntropy	-0.321
original_glszm_ZonePercentage	-0.944
	0.544

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	42 425
original_glszm_ZoneVariance	42.435
original_ngtdm_Busyness	-0.065
original_ngtdm_Coarseness	0.437
original_ngtdm_Complexity	-0.101
original_ngtdm_Contrast	-0.123
original_ngtdm_Strength	0.458
original_shape_Elongation	-0.158
original_shape_Flatness	0.324
original_shape_LeastAxisLength	-0.637
original_shape_MajorAxisLength	-0.094
original_shape_Maximum2DDiameterColumn	0.135
original_shape_Maximum2DDiameterRow	0.143
original_shape_Maximum2DDiameterSlice	0.057
original_shape_Maximum3DDiameter	-0.031
original_shape_MeshVolume	-19.878
original_shape_MinorAxisLength	0.228
original_shape_Sphericity	-0.133
original_shape_SurfaceArea	-0.282
original_shape_SurfaceVolumeRatio	0.572
original_shape_VoxelVolume	19.488
	р
original_firstorder_10Percentile	0.043847
original_firstorder_90Percentile	0.004082
original_firstorder_Energy	0.932379
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	0.000358
original_firstorder_Kurtosis	0.972053
original_firstorder_Maximum	0.992077
original_firstorder_Mean	0.087690
original_firstorder_MeanAbsoluteDeviation	4.34e-07
original_firstorder_Median	0.006276
original_firstorder_Minimum	0.125737
original_firstorder_Range	1.000000
original firstorder RobustMeanAbsoluteDeviation	0.000155
original_firstorder_RootMeanSquared	0.745894
original_firstorder_Skewness	0.887430
original_firstorder_TotalEnergy	1.000000
original_firstorder_Uniformity	4.57e-05
original_firstorder_Variance	0.004001
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	0.642580
original_glcm_ClusterFlomInence	0.739690
original_glcm_ClusterIndency	< 2e-16
original_glcm_Contrast	1.59e-13
original_glcm_Contrast original_glcm_Correlation	0.871686
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	0.906142
original_glcm_DifferenceVariance	0.235861
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idm	0.816007
original_glcm_Idn	0.791450
original_glcm_Imc1	0.974250
original_glcm_Imc2	0.546123
original_glcm_InverseVariance	< 2e-16
original_glcm_JointAverage	0.231010

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original_glcm_JointEnergy	0.152133
original_glcm_JointEntropy	0.001777
original_glcm_MCC	0.958425
original glcm MaximumProbability	0.455672
original_glcm_SumAverage	1.000000
original_glcm_SumEntropy	0.048704
original_glcm_SumSquares	< 2e-16
original_gldm_DependenceEntropy	0.819483
original_gldm_DependenceNonUniformity	0.821522
original_gldm_DependenceNonUniformityNormalized	0.402187
original_gldm_DependenceVariance	0.955799
original_gldm_GrayLevelNonUniformity	0.564530
original_gldm_GrayLevelVariance	0.127010
original_gldm_HighGrayLevelEmphasis	5.59e-06
original_gldm_LargeDependenceEmphasis	0.837964
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.900518
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.685345
original gldm LowGrayLevelEmphasis	0.034015
	0.474496
original_gldm_SmallDependenceEmphasis	
	0.781290
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.717515
original_glrlm_GrayLevelNonUniformity	0.974745
original_glrlm_GrayLevelNonUniformityNormalized	0.343046
original_glrlm_GrayLevelVariance	0.068138
original_glrlm_HighGrayLevelRunEmphasis	1.64e-13
original_glrlm_LongRunEmphasis	0.660956
original_glrlm_LongRunHighGrayLevelEmphasis	0.858097
original_glrlm_LongRunLowGrayLevelEmphasis	0.755051
<pre>original_glrlm_LowGrayLevelRunEmphasis original_glrlm_RunEntropy</pre>	7.56e-09 9.94e-06
original_glrlm_RunLengthNonUniformity	0.340053
original_glrlm_RunLengthNonUniformityNormalized	0.031121
original_glrlm_RunPercentage	0.884343
original_glrlm_RunVariance	0.982469
original_glrlm_ShortRunEmphasis	0.213512
original_glrlm_ShortRunHighGrayLevelEmphasis	0.879489
original_glrlm_ShortRunLowGrayLevelEmphasis	1.51e-05
original_glszm_GrayLevelNonUniformity	0.903535
original_glszm_GrayLevelNonUniformityNormalized	0.999165
original_glszm_GrayLevelVariance	0.840737
original glszm HighGrayLevelZoneEmphasis	0.427056
original_glszm_LargeAreaEmphasis	< 2e-16
original_glszm_LargeAreaHighGrayLevelEmphasis	0.866600
original_glszm_LargeAreaLowGrayLevelEmphasis	0.966970
original_glszm_LowGrayLevelZoneEmphasis	0.932350
original_glszm_SizeZoneNonUniformity	0.765021
original_glszm_SizeZoneNonUniformityNormalized	0.738157
original_glszm_SmallAreaEmphasis	0.732298
original_glszm_SmallAreaHighGrayLevelEmphasis	0.752230
original_glszm_SmallAreaLowGrayLevelEmphasis	0.979905
original_glszm_ZoneEntropy	0.748456
original_glszm_ZonePercentage	0.345367
original_glszm_ZoneVariance	< 2e-16
original_ngtdm_Busyness	0.948129
original_ngtdm_Coarseness	0.661797
original_ngtdm_Complexity	0.919501
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original ngtdm Contrast
                                                    0.902384
original ngtdm Strength
                                                    0.647076
original shape Elongation
                                                    0.874775
original shape Flatness
                                                    0.745872
original_shape_LeastAxisLength
                                                    0.523916
original shape MajorAxisLength
                                                    0.925119
original_shape_Maximum2DDiameterColumn
                                                    0.892302
original_shape_Maximum2DDiameterRow
                                                    0.886612
original_shape_Maximum2DDiameterSlice
                                                    0.954735
original_shape_Maximum3DDiameter
                                                    0.975416
original_shape_MeshVolume
                                                     < 2e-16
original_shape_MinorAxisLength
                                                    0.819849
original_shape_Sphericity
                                                    0.894096
                                                    0.778290
original_shape_SurfaceArea
original_shape_SurfaceVolumeRatio
                                                    0.567032
original_shape_VoxelVolume
                                                    < 2e-16
Likelihood ratio test=75.87 on 107 df, p=0.9901
n= 120, number of events= 8
$model list[[4]]$coxmodels[[3]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original firstorder 10Percentile
                                                     -3.301e+02
original firstorder 90Percentile
                                                     -1.788e+02
                                                      3.804e+00
original_firstorder_Energy
original_firstorder_Entropy
                                                      2.790e+02
original_firstorder_InterquartileRange
                                                      2.638e+02
original_firstorder_Kurtosis
                                                     -2.806e+00
original_firstorder_Maximum
                                                     -7.775e+00
original_firstorder_Mean
                                                      7.873e+02
original_firstorder_MeanAbsoluteDeviation
                                                      3.328e+01
original_firstorder_Median
                                                     -3.376e+02
original_firstorder_Minimum
                                                     -2.280e+02
original firstorder Range
                                                      0.000e+00
original firstorder RobustMeanAbsoluteDeviation
                                                     -3.182e+02
original firstorder RootMeanSquared
                                                     -1.647e+01
original_firstorder_Skewness
                                                     -1.787e+00
original firstorder TotalEnergy
                                                      0.000e+00
original firstorder Uniformity
                                                      3.217e+02
original firstorder Variance
                                                      2.309e+03
original glcm Autocorrelation
                                                     -4.587e+03
original glcm ClusterProminence
                                                      3.517e+04
original glcm ClusterShade
                                                      2.796e+03
original glcm ClusterTendency
                                                     -8.804e+02
original glcm Contrast
                                                      3.995e+03
original glcm Correlation
                                                     -2.062e+00
original glcm DifferenceAverage
                                                      6.696e+02
original_glcm_DifferenceEntropy
                                                      1.472e+02
original glcm DifferenceVariance
                                                     -6.065e+03
original glcm Id
                                                      3.451e+03
original_glcm_Idm
                                                     -2.464e+03
```

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original_glcm_Idmn	-1.184e+02
original_glcm_Idn	7.654e+01
original_glcm_Imc1	2.195e+02
original_glcm_Imc2	4.359e+01
original_glcm_InverseVariance	4.008e+02
original_glcm_JointAverage	-1.501e+02
original_glcm_JointEnergy	-3.512e+02
original_glcm_JointEntropy	-2.482e+02
original_glcm_MCC	6.756e+00
original_glcm_MaximumProbability	-2.803e+01
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	7.742e+01
original_glcm_SumSquares	0.000e+00
original_gldm_DependenceEntropy	-1.087e+02
	-2.389e+02
original_gldm_DependenceNonUniformity	1.722e+02
original_gldm_DependenceNonUniformityNormalized	
original_gldm_DependenceVariance	-1.182e+01
original_gldm_GrayLevelNonUniformity	7.167e+01
original_gldm_GrayLevelVariance	-3.564e+02
original_gldm_HighGrayLevelEmphasis	7.758e+03
original_gldm_LargeDependenceEmphasis	2.672e+02
original_gldm_LargeDependenceHighGrayLevelEmphas	
original_gldm_LargeDependenceLowGrayLevelEmphasi	
original_gldm_LowGrayLevelEmphasis	-5.261e+03
original_gldm_SmallDependenceEmphasis	2.847e+02
original_gldm_SmallDependenceHighGrayLevelEmphas	is 1.613e+02
original_gldm_SmallDependenceLowGrayLevelEmphasi	.s 3.390e+02
original_glrlm_GrayLevelNonUniformity	-1.422e+02
original_glrlm_GrayLevelNonUniformityNormalized	-2.701e+00
original_glrlm_GrayLevelVariance	-5.047e+02
original_glrlm_HighGrayLevelRunEmphasis	-1.872e+03
original_glrlm_LongRunEmphasis	8.356e+02
original_glrlm_LongRunHighGrayLevelEmphasis	-4.201e+01
original_glrlm_LongRunLowGrayLevelEmphasis	1.891e+02
original_glrlm_LowGrayLevelRunEmphasis	2.092e+04
original_glrlm_RunEntropy	2.996e+02
original_glrlm_RunLengthNonUniformity	3.319e+02
original glrlm RunLengthNonUniformityNormalized	-2.055e+02
original_glrlm_RunPercentage	-6.493e+01
original_glrlm_RunVariance	-6.821e+02
original glrlm ShortRunEmphasis	1.039e+03
original_glrlm_ShortRunHighGrayLevelEmphasis	-1.240e+03
original_glrlm_ShortRunLowGrayLevelEmphasis	-1.447e+04
original_glszm_GrayLevelNonUniformity	-6.571e+01
original_glszm_GrayLevelNonUniformityNormalized	2.842e+01
original_glszm_GrayLevelVariance	1.201e+02
of iginal_giszm_of aylevelval fance	
oniginal glazm HighChayloyolZonoEmphasic	
original_glszm_HighGrayLevelZoneEmphasis	-2.216e+01
original_glszm_LargeAreaEmphasis	-2.216e+01 -1.731e+03
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis	-2.216e+01 -1.731e+03 -1.151e+02
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis	-2.216e+01 -1.731e+03 -1.151e+02 -9.612e+02
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis	-2.216e+01 -1.731e+03 -1.151e+02 -9.612e+02 -1.062e+02
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity	-2.216e+01 -1.731e+03 -1.151e+02 -9.612e+02 -1.062e+02 -6.047e+01
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized	-2.216e+01 -1.731e+03 -1.151e+02 -9.612e+02 -1.062e+02 -6.047e+01 1.523e+01
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized original_glszm_SmallAreaEmphasis	-2.216e+01 -1.731e+03 -1.151e+02 -9.612e+02 -1.062e+02 -6.047e+01 1.523e+01
original_glszm_LargeAreaEmphasis original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis original_glszm_LowGrayLevelZoneEmphasis original_glszm_SizeZoneNonUniformity original_glszm_SizeZoneNonUniformityNormalized	-2.216e+01 -1.731e+03 -1.151e+02 -9.612e+02 -1.062e+02 -6.047e+01 1.523e+01

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original_glszm_ZoneEntropy	-6.596e+01
original_glszm_ZonePercentage	-4.235e+02
original_glszm_ZoneVariance	1.996e+03
original_ngtdm_Busyness	-3.868e+01
original_ngtdm_Coarseness	2.122e+01
original_ngtdm_Complexity	-1.876e+02
original_ngtdm_Contrast	-1.072e+02
original_ngtdm_Strength	6.553e+01
original_shape_Elongation	3.443e+01
original_shape_Flatness	-2.305e+01
original_shape_LeastAxisLength	4.296e+01
original_shape_MajorAxisLength	5.009e+01
original_shape_Maximum2DDiameterColumn	-4.185e+00
original_shape_Maximum2DDiameterRow	-1.996e+01
original_shape_Maximum2DDiameterSlice	-1.013e+01
original_shape_Maximum3DDiameter	1.529e+01
original_shape_MeshVolume	-1.430e+04
original shape MinorAxisLength	-3.775e+01
original_shape_Sphericity	-5.958e+01
original_shape_SurfaceArea	-2.442e+02
original_shape_SurfaceVolumeRatio	-1.548e+02
original_shape_VoxelVolume	1.442e+04
	exp(coef)
original_firstorder_10Percentile	4.378e-144
original_firstorder_90Percentile	2.153e-78
original_firstorder_Energy	4.486e+01
original_firstorder_Entropy	1.458e+121
original_firstorder_InterquartileRange	3.632e+114
original_firstorder_Kurtosis	6.042e-02
original_firstorder_Maximum	4.203e-04
original_firstorder_Mean	Inf
original_firstorder_MeanAbsoluteDeviation	2.833e+14
original_firstorder_Median	2.398e-147
original_firstorder_Minimum	9.518e-100
original_firstorder_Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	6.108e-139
original_firstorder_RootMeanSquared	7.033e-08
original_firstorder_Skewness	1.674e-01
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	5.321e+139
original_firstorder_Variance	Inf
original_glcm_Autocorrelation	0.000e+00
original_glcm_ClusterProminence	Inf
original_glcm_ClusterShade	Inf
original_glcm_ClusterTendency	0.000e+00
original_glcm_Contrast	Inf
original_glcm_Correlation	1.272e-01
original_glcm_DifferenceAverage	6.333e+290
original_glcm_DifferenceEntropy	8.250e+63
original_glcm_DifferenceVariance	0.000e+00
original_glcm_Id	Inf
original_glcm_Idm	0.000e+00
original_glcm_Idmn	3.828e-52
original_glcm_Idn	1.747e+33
original_glcm_Imc1	2.200e+95
original_glcm_Imc2	8.567e+18

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original_glcm_InverseVariance	1.146e+174
original_glcm_JointAverage	6.578e-66
original_glcm_JointEnergy	3.129e-153
original_glcm_JointEntropy	1.559e-108
original_glcm_MCC	8.591e+02
original_glcm_MaximumProbability	6.735e-13
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	4.202e+33
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	6.238e-48
original_gldm_DependenceNonUniformity	1.768e-104
original_gldm_DependenceNonUniformityNormalized	6.316e+74
original_gldm_DependenceVariance	7.367e-06
original_gldm_GrayLevelNonUniformity	1.332e+31
original_gldm_GrayLevelVariance	1.679e-155
original_gldm_HighGrayLevelEmphasis	Inf
original_gldm_LargeDependenceEmphasis	1.160e+116
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.570e-107
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000e+00
original_gldm_LowGrayLevelEmphasis	0.000e+00
original_gldm_SmallDependenceEmphasis	4.461e+123
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.078e+70
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.626e+147
original_glrlm_GrayLevelNonUniformity	1.756e-62
original_glrlm_GrayLevelNonUniformityNormalized	6.712e-02
original_glrlm_GrayLevelVariance	6.192e-220
original_glrlm_HighGrayLevelRunEmphasis	0.000e+00
original_glrlm_LongRunEmphasis	Inf
original_glrlm_LongRunHighGrayLevelEmphasis	5.710e-19
original_glrlm_LongRunLowGrayLevelEmphasis	1.286e+82
original_glrlm_LowGrayLevelRunEmphasis	Inf
original_glrlm_RunEntropy	1.324e+130
original_glrlm_RunLengthNonUniformity	1.454e+144
original_glrlm_RunLengthNonUniformityNormalized	5.672e-90
original_glrlm_RunPercentage	6.359e-29
original_glrlm_RunVariance	6.154e-297
original_glrlm_ShortRunEmphasis	Inf
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000e+00
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000e+00
	2.908e-29
original_glszm_GrayLevelNonUniformity	
original_glszm_GrayLevelNonUniformityNormalized	2.207e+12
original_glszm_GrayLevelVariance	1.428e+52
original_glszm_HighGrayLevelZoneEmphasis	2.388e-10
original_glszm_LargeAreaEmphasis	0.000e+00
original_glszm_LargeAreaHighGrayLevelEmphasis	1.037e-50
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000e+00
original_glszm_LowGrayLevelZoneEmphasis	7.386e-47
original_glszm_SizeZoneNonUniformity	5.465e-27
original_glszm_SizeZoneNonUniformityNormalized	4.102e+06
original_glszm_SmallAreaEmphasis	3.905e-25
original_glszm_SmallAreaHighGrayLevelEmphasis	1.054e-16
original_glszm_SmallAreaLowGrayLevelEmphasis	1.855e-20
original_glszm_ZoneEntropy	2.250e-29
original_glszm_ZonePercentage	1.160e-184
original_glszm_ZoneVariance	Inf
original_ngtdm_Busyness	1.589e-17

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oniginal natum Coanconocc	1 6420100
original_ngtdm_Coarseness	1.642e+09
original_ngtdm_Complexity	3.466e-82
original_ngtdm_Contrast	2.821e-47
original_ngtdm_Strength	2.882e+28
original_shape_Elongation	8.990e+14
original_shape_Flatness	9.762e-11
original_shape_LeastAxisLength	4.526e+18
original_shape_MajorAxisLength	5.688e+21
original_shape_Maximum2DDiameterColumn	1.522e-02
original_shape_Maximum2DDiameterRow	2.148e-09
original_shape_Maximum2DDiameterSlice	3.971e-05
original_shape_Maximum3DDiameter	4.351e+06
original_shape_MeshVolume	0.000e+00
original_shape_MinorAxisLength	4.023e-17
original_shape_Sphericity	1.335e-26
original_shape_SurfaceArea	8.873e-107
original_shape_SurfaceVolumeRatio	5.743e-68
original_shape_VoxelVolume	Inf
	se(coef)
original_firstorder_10Percentile	3.390e+07
original_firstorder_90Percentile	1.074e+07
original_firstorder_Energy	6.359e+07
original_firstorder_Entropy	2.417e+07
original_firstorder_InterquartileRange	4.659e+07
original_firstorder_Kurtosis	3.199e+07
original_firstorder_Maximum	6.069e+07
original_firstorder_Mean	1.112e+07
original_firstorder_MeanAbsoluteDeviation	9.255e+07
original_firstorder_Median	8.539e+06
original_firstorder_Minimum	5.380e+07
original_firstorder_Range	5.585e+07
original_firstorder_RobustMeanAbsoluteDeviation	5.277e+07
original_firstorder_RootMeanSquared	1.948e+07
original firstorder Skewness	3.622e+07
original_firstorder_Skewness original_firstorder_TotalEnergy	6.359e+07
	1.679e+07
original_firstorder_Uniformity	4.268e+08
original_firstorder_Variance	
original_glcm_Autocorrelation	4.523e+07
original_glcm_ClusterProminence	7.196e+09
original_glcm_ClusterShade	8.297e+08
original_glcm_ClusterTendency	3.345e+08
original_glcm_Contrast	7.345e+08
original_glcm_Correlation	1.150e+07
original_glcm_DifferenceAverage	5.618e+07
original_glcm_DifferenceEntropy	3.148e+07
original_glcm_DifferenceVariance	8.586e+08
original_glcm_Id	2.011e+07
original_glcm_Idm	2.092e+07
original_glcm_Idmn	5.137e+07
original_glcm_Idn	2.810e+07
original_glcm_Imc1	1.860e+07
original_glcm_Imc2	2.422e+07
original_glcm_InverseVariance	1.237e+07
original_glcm_JointAverage	5.085e+07
original_glcm_JointEnergy	1.674e+07
original_glcm_JointEntropy	2.302e+07
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original_glcm_MCC	1.843e+07
original_glcm_MaximumProbability	1.650e+07
original_glcm_SumAverage	5.085e+07
original_glcm_SumEntropy	2.554e+07
original_glcm_SumSquares	4.092e+08
original_gldm_DependenceEntropy	8.373e+06
original_gldm_DependenceNonUniformity	2.062e+07
original_gldm_DependenceNonUniformityNormalized	1.029e+07
original gldm DependenceVariance	7.994e+06
original_gldm_GrayLevelNonUniformity	1.074e+07
original_gldm_GrayLevelVariance	4.312e+08
original_gldm_HighGrayLevelEmphasis	4.587e+07
original_gldm_LargeDependenceEmphasis	9.175e+06
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.074e+07
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.423e+08
original_gldm_LowGrayLevelEmphasis	3.538e+08
original_gldm_SmallDependenceEmphasis	2.047e+07
original_gldm_SmallDependenceHighGrayLevelEmphasis	3.119e+07
original_gldm_SmallDependenceLowGrayLevelEmphasis	7.942e+07
original_glrlm_GrayLevelNonUniformity	1.276e+07
original_glrlm_GrayLevelNonUniformityNormalized	1.140e+07
original_glrlm_GrayLevelVariance	3.628e+08
original_glrlm_HighGrayLevelRunEmphasis	4.707e+07
original_glrlm_LongRunEmphasis	3.525e+07
original_glrlm_LongRunHighGrayLevelEmphasis	3.416e+07
original_glrlm_LongRunLowGrayLevelEmphasis	4.287e+08
original_glrlm_LowGrayLevelRunEmphasis	2.860e+08
original_glrlm_RunEntropy	7.835e+06
original_glrlm_RunLengthNonUniformity	1.985e+07
original_glrlm_RunLengthNonUniformityNormalized	8.772e+06
original_glrlm_RunPercentage	9.230e+06
original_glrlm_RunVariance	4.792e+07
original_glrlm_ShortRunEmphasis	9.735e+06
original_glrlm_ShortRunHighGrayLevelEmphasis	3.284e+07
original_glrlm_ShortRunLowGrayLevelEmphasis	2.355e+08
original_glszm_GrayLevelNonUniformity	1.580e+07
original_glszm_GrayLevelNonUniformityNormalized	3.707e+07
original_glszm_GrayLevelVariance	1.674e+08
original_glszm_HighGrayLevelZoneEmphasis	4.581e+07
original_glszm_LargeAreaEmphasis	1.040e+07
original_glszm_LargeAreaHighGrayLevelEmphasis	1.320e+07
original_glszm_LargeAreaLowGrayLevelEmphasis	6.744e+07
original_glszm_LowGrayLevelZoneEmphasis	9.980e+07
original_glszm_SizeZoneNonUniformity	2.949e+07
original_glszm_SizeZoneNonUniformityNormalized	1.692e+07
original_glszm_SmallAreaEmphasis	1.813e+07
original_glszm_SmallAreaHighGrayLevelEmphasis	5.744e+07
original_glszm_SmallAreaLowGrayLevelEmphasis	6.034e+07
original_glszm_ZoneEntropy	2.447e+07
original_glszm_ZonePercentage	2.507e+07
original_glszm_ZoneVariance	1.039e+07
original_ngtdm_Busyness	2.624e+07
original_ngtdm_Coarseness	7.984e+07 2.648e+08
original_ngtdm_Complexity original_ngtdm_Contrast	2.648e+08 2.910e+08
original_ngtdm_Strength	6.845e+07
o. 181101_18com_oci cligeri	0.0-56107

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original_shape_Elongation	2.437e+07
original_shape_Flatness	1.840e+07
original_shape_LeastAxisLength	1.545e+07
original_shape_MajorAxisLength	1.577e+07
original_shape_Maximum2DDiameterColumn	1.768e+07
original_shape_Maximum2DDiameterRow	1.479e+07
original_shape_Maximum2DDiameterSlice	1.381e+07
original_shape_Maximum3DDiameter	1.777e+07
original shape MeshVolume	1.370e+07
original_shape_MinorAxisLength	1.332e+07
original_shape_Sphericity	8.756e+06
original_shape_SurfaceArea	1.698e+07
original_shape_SurfaceVolumeRatio	8.470e+06
original_shape_VoxelVolume	1.374e+07
original_shape_voxelvolume	
oniginal finctondon 10Doncontilo	z 0.000
original_firstorder_10Percentile	
original_firstorder_90Percentile	0.000
original_firstorder_Energy	0.000
original_firstorder_Entropy	0.000
original_firstorder_InterquartileRange	0.000
original_firstorder_Kurtosis	0.000
original_firstorder_Maximum	0.000
original_firstorder_Mean	0.000
original_firstorder_MeanAbsoluteDeviation	0.000
original_firstorder_Median	0.000
original_firstorder_Minimum	0.000
original_firstorder_Range	0.000
$original\_first order\_Robust \texttt{MeanAbsoluteDeviation}$	0.000
original_firstorder_RootMeanSquared	0.000
original_firstorder_Skewness	0.000
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	0.000
original_firstorder_Variance	0.000
original_glcm_Autocorrelation	0.000
original_glcm_ClusterProminence	0.000
original_glcm_ClusterShade	0.000
original_glcm_ClusterTendency	0.000
original_glcm_Contrast	0.000
original_glcm_Correlation	0.000
original_glcm_DifferenceAverage	0.000
original glcm DifferenceEntropy	0.000
original_glcm_DifferenceVariance	0.000
original_glcm_Id	0.000
original_glcm_Idm	0.000
original_glcm_Idmn	0.000
original_glcm_Idn	0.000
original_glcm_Imc1	0.000
original_glcm_Imc2	0.000
original_glcm_InverseVariance	0.000
original_glcm_Inversevariance original_glcm_JointAverage	0.000
original_glcm_JointAverage original_glcm_JointEnergy	0.000
original_glcm_JointEntropy	0.000
original_glcm_MCC	0.000
original_glcm_MaximumProbability	0.000
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	0.000

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original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	0.000
original_gldm_DependenceNonUniformity	0.000
original_gldm_DependenceNonUniformityNormalized	0.000
original_gldm_DependenceVariance	0.000
original_gldm_GrayLevelNonUniformity	0.000
original_gldm_GrayLevelVariance	0.000
original_gldm_HighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceEmphasis	0.000
original_gldm_LargeDependenceHighGrayLevelEmphasis	0.000
original_gldm_LargeDependenceLowGrayLevelEmphasis	0.000
original_gldm_LowGrayLevelEmphasis	0.000
original_gldm_SmallDependenceEmphasis	0.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	0.000
original_gldm_SmallDependenceLowGrayLevelEmphasis	0.000
original_glrlm_GrayLevelNonUniformity	0.000
original_glrlm_GrayLevelNonUniformityNormalized	0.000
original_glrlm_GrayLevelVariance	0.000
original_glrlm_HighGrayLevelRunEmphasis	0.000
original_glrlm_LongRunEmphasis	0.000
original_glrlm_LongRunHighGrayLevelEmphasis	0.000
original_glrlm_LongRunLowGrayLevelEmphasis	0.000
original_glrlm_LowGrayLevelRunEmphasis	0.000
original_glrlm_RunEntropy	0.000
original_glrlm_RunLengthNonUniformity	0.000
original_glrlm_RunLengthNonUniformityNormalized	0.000
original_glrlm_RunPercentage	0.000
original_glrlm_RunVariance	0.000
original_glrlm_ShortRunEmphasis	0.000
original_glrlm_ShortRunHighGrayLevelEmphasis	0.000
original_glrlm_ShortRunLowGrayLevelEmphasis	0.000
original_glszm_GrayLevelNonUniformity	0.000
original_glszm_GrayLevelNonUniformityNormalized	0.000
original_glszm_GrayLevelVariance	0.000
original_glszm_HighGrayLevelZoneEmphasis	0.000
original_glszm_LargeAreaEmphasis	0.000
original_glszm_LargeAreaHighGrayLevelEmphasis	0.000
original_glszm_LargeAreaLowGrayLevelEmphasis	0.000
original_glszm_LowGrayLevelZoneEmphasis	0.000
original_glszm_SizeZoneNonUniformity	0.000
original_glszm_SizeZoneNonUniformityNormalized	0.000
original_glszm_SmallAreaEmphasis	0.000
original_glszm_SmallAreaHighGrayLevelEmphasis	0.000
original_glszm_SmallAreaLowGrayLevelEmphasis	0.000
original_glszm_ZoneEntropy	0.000
original_glszm_ZonePercentage	0.000
original_glszm_ZoneVariance	0.000
original_ngtdm_Busyness	0.000
original_ngtdm_Coarseness	0.000
original_ngtdm_Complexity	0.000
original_ngtdm_Contrast	0.000
original_ngtdm_Strength	0.000
original_shape_Elongation	0.000
original_shape_Flatness	0.000
original_shape_LeastAxisLength	0.000
original_shape_MajorAxisLength	0.000

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original_shape_Maximum2DDiameterColumn	0.000
original_shape_Maximum2DDiameterRow	0.000
original_shape_Maximum2DDiameterSlice	0.000
original_shape_Maximum3DDiameter	0.000
original_shape_MeshVolume	-0.001
original_shape_MinorAxisLength	0.000
original_shape_Sphericity	0.000
original_shape_SurfaceArea	0.000
original_shape_SurfaceVolumeRatio	0.000
original_shape_VoxelVolume	0.001
	р
original_firstorder_10Percentile	1.000
original_firstorder_90Percentile	1.000
original_firstorder_Energy	1.000
original_firstorder_Entropy	1.000
original_firstorder_InterquartileRange	1.000
original_firstorder_Kurtosis	1.000
original_firstorder_Maximum	1.000
original_firstorder_Mean	1.000
original_firstorder_MeanAbsoluteDeviation	1.000
original_firstorder_Median	1.000
original_firstorder_Minimum	1.000
original_firstorder_Range	1.000
original_firstorder_RobustMeanAbsoluteDeviation	1.000
original_firstorder_RootMeanSquared	1.000
original_firstorder_Skewness	1.000
original_firstorder_TotalEnergy	1.000
original_firstorder_Uniformity	1.000
original_firstorder_Variance	1.000
original_glcm_Autocorrelation	1.000
original_glcm_ClusterProminence	1.000
original_glcm_ClusterShade	1.000
original_glcm_ClusterTendency	1.000
original_glcm_Contrast	1.000
original_glcm_Correlation	1.000
original_glcm_DifferenceAverage	1.000
original_glcm_DifferenceEntropy	1.000
original_glcm_DifferenceVariance	1.000
original_glcm_Id	1.000
original_glcm_Idm	1.000
original_glcm_Idmn	1.000
original_glcm_Idn	1.000
original_glcm_Imc1	1.000
original_glcm_Imc2	1.000
original_glcm_InverseVariance	1.000
original_glcm_JointAverage	1.000
original_glcm_JointEnergy	1.000
original_glcm_JointEntropy	1.000
original_glcm_MCC	1.000
original_glcm_MaximumProbability	1.000
original_glcm_SumAverage	1.000
original_glcm_SumEntropy	1.000
original_glcm_SumSquares	1.000
original_gldm_DependenceEntropy	1.000
original_gldm_DependenceNonUniformity	1.000
original_gldm_DependenceNonUniformityNormalized	1.000
	_,,,,,

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original_gldm_DependenceVariance	1.000
original_gldm_GrayLevelNonUniformity	1.000
original_gldm_GrayLevelVariance	1.000
original_gldm_HighGrayLevelEmphasis	1.000
original_gldm_LargeDependenceEmphasis	1.000
original_gldm_LargeDependenceHighGrayLevelEmphasis	
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.000
original_gldm_LowGrayLevelEmphasis	1.000
original gldm SmallDependenceEmphasis	1.000
original_gldm_SmallDependenceHighGrayLevelEmphasis	
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.000
original_glrlm_GrayLevelNonUniformity	1.000
original_glrlm_GrayLevelNonUniformityNormalized	1.000
original_glrlm_GrayLevelVariance	1.000
original_glrlm_HighGrayLevelRunEmphasis	1.000
original_glrlm_LongRunEmphasis	1.000
original_glrlm_LongRunHighGrayLevelEmphasis	1.000
original glrlm LongRunLowGrayLevelEmphasis	1.000
original_glrlm_LowGrayLevelRunEmphasis	1.000
original_glrlm_RunEntropy	1.000
original_glrlm_RunLengthNonUniformity	1.000
original_glrlm_RunLengthNonUniformityNormalized	1.000
original_glrlm_RunPercentage	1.000
original_glrlm_RunVariance	1.000
original_glrlm_ShortRunEmphasis	1.000
original_glrlm_ShortRunHighGrayLevelEmphasis	1.000
original_glrlm_ShortRunLowGrayLevelEmphasis	1.000
original_glszm_GrayLevelNonUniformity	1.000
original_glszm_GrayLevelNonUniformityNormalized	1.000
original_glszm_GrayLevelVariance	1.000
original_glszm_HighGrayLevelZoneEmphasis	1.000
original_glszm_LargeAreaEmphasis	1.000
original_glszm_LargeAreaHighGrayLevelEmphasis	1.000
original_glszm_LargeAreaLowGrayLevelEmphasis	1.000
original_glszm_LowGrayLevelZoneEmphasis	1.000
original_glszm_SizeZoneNonUniformity	1.000
original_glszm_SizeZoneNonUniformityNormalized	1.000
original_glszm_SmallAreaEmphasis	1.000
original_glszm_SmallAreaHighGrayLevelEmphasis	1.000
original_glszm_SmallAreaLowGrayLevelEmphasis	1.000
original_glszm_ZoneEntropy	1.000
original_glszm_ZonePercentage	1.000
original_glszm_ZoneVariance	1.000
original_ngtdm_Busyness	1.000
original_ngtdm_Coarseness	1.000
original_ngtdm_Complexity	1.000
original_ngtdm_Contrast	1.000
original_ngtdm_Strength	1.000
original_shape_Elongation	1.000
original_shape_Flatness	1.000
original_shape_LeastAxisLength	1.000
original_shape_MajorAxisLength	1.000
original_shape_Maximum2DDiameterColumn	1.000
original_shape_Maximum2DDiameterRow	1.000
original_shape_Maximum2DDiameterSlice	1.000
original_shape_Maximum3DDiameter	1.000
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```
original_shape_MeshVolume
                                                    0.999
original shape MinorAxisLength
                                                    1.000
original_shape_Sphericity
                                                    1.000
original_shape_SurfaceArea
                                                    1.000
original_shape_SurfaceVolumeRatio
                                                    1.000
original_shape_VoxelVolume
                                                    0.999
Likelihood ratio test=18.78 on 107 df, p=1
n= 114, number of events= 2
$model_list[[4]]$clusters
[1] 2.298741 0.583956 0.204538
$model_list[[5]]
$model_list[[5]]$vimp10
                                original_glcm_Idmn
                                       0.008589193
                       original_firstorder_Maximum
                                       0.008236651
       original_glrlm_ShortRunLowGrayLevelEmphasis
                                        0.008140504
                  original_glszm_GrayLevelVariance
                                        0.004134350
            original_shape_Maximum2DDiameterColumn
                                        0.003429267
            original_glrlm_LowGrayLevelRunEmphasis
                                       0.003397218
                   original_gldm_GrayLevelVariance
                                        0.002948529
           original_glszm_LowGrayLevelZoneEmphasis
                                       0.002692135
                  original_gldm_DependenceVariance
                                       0.002595987
                         original_shape_Sphericity
                                       0.002371643
                    original_shape_MajorAxisLength
                                       0.002339594
                        original_shape_VoxelVolume
                                       0.002275495
                         original_ngtdm_Coarseness
                                       0.002211397
                  original_glcm_MaximumProbability
                                       0.001858855
original gldm LargeDependenceHighGrayLevelEmphasis
                                       0.001762708
$model_list[[5]]$treemodel
n = 361
node), split, n, deviance, yval
      * denotes terminal node
1) root 361 276.13440 1.0000000
  2) original_shape_Maximum2DDiameterColumn< 0.09631652 224 98.63371 0.5087286 *
```

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```
3) original_shape_Maximum2DDiameterColumn>=0.09631652 137 156.58110 1.8804440 *
$model list[[5]]$coxmodels
$model_list[[5]]$coxmodels[[1]]
Call:
coxph(formula = as.formula(paste("Surv(df_train$time, df_train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
                                                           coef
original_firstorder_10Percentile
                                                      6.452e+01
original_firstorder_90Percentile
                                                     -1.151e+01
original_firstorder_Energy
                                                     -3.876e+00
                                                     -1.258e+02
original_firstorder_Entropy
original_firstorder_InterquartileRange
                                                     -2.708e+01
original_firstorder_Kurtosis
                                                     -4.582e+00
original firstorder Maximum
                                                      1.169e+01
original firstorder Mean
                                                     -8.673e+00
original_firstorder_MeanAbsoluteDeviation
                                                      6.374e-03
original_firstorder_Median
                                                      6.365e+00
original firstorder Minimum
                                                     -1.422e+01
original firstorder Range
                                                      0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation
                                                      6.334e+01
original_firstorder_RootMeanSquared
                                                     -3.464e+01
original firstorder Skewness
                                                     -2.905e+00
original_firstorder_TotalEnergy
                                                      0.000e+00
original_firstorder_Uniformity
                                                     -7.139e+01
original_firstorder_Variance
                                                     -3.782e+02
                                                      1.057e+02
original_glcm_Autocorrelation
original_glcm_ClusterProminence
                                                     -6.676e+02
original_glcm_ClusterShade
                                                      6.138e+01
                                                      1.658e+02
original_glcm_ClusterTendency
original_glcm_Contrast
                                                     -2.040e+02
original_glcm_Correlation
                                                     -1.390e+00
                                                     -3.449e+02
original_glcm_DifferenceAverage
original glcm DifferenceEntropy
                                                     -1.233e+01
                                                     6.333e+02
original_glcm_DifferenceVariance
original_glcm_Id
                                                     -2.507e+03
                                                      2.128e+03
original_glcm_Idm
original_glcm_Idmn
                                                      6.782e+00
original_glcm_Idn
                                                     -2.442e+01
original_glcm_Imc1
                                                      2.649e-01
original glcm Imc2
                                                     -2.533e+01
original_glcm_InverseVariance
                                                     -2.391e+02
original_glcm_JointAverage
                                                     -8.572e+00
original glcm JointEnergy
                                                      5.465e+01
                                                     -1.098e+02
original glcm JointEntropy
original glcm MCC
                                                      8.556e+00
original_glcm_MaximumProbability
                                                      1.896e+01
original glcm SumAverage
                                                      0.000e+00
original glcm SumEntropy
                                                      6.717e+01
original glcm SumSquares
                                                      0.000e+00
original_gldm_DependenceEntropy
                                                      8.931e+01
                                                     -9.298e+00
original gldm DependenceNonUniformity
original_gldm_DependenceNonUniformityNormalized
                                                      3.492e+01
original_gldm_DependenceVariance
                                                     -2.263e+01
```

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original_gldm_GrayLevelNonUniformity	-3.197e+00
original_gldm_GrayLevelVariance	5.451e+02
original_gldm_HighGrayLevelEmphasis	-3.717e+02
original_gldm_LargeDependenceEmphasis	7.256e+01
original_gldm_LargeDependenceHighGrayLevelEmphasis	2.667e+01
original_gldm_LargeDependenceLowGrayLevelEmphasis	2.353e+02
original_gldm_LowGrayLevelEmphasis	-2.081e+02
original_gldm_SmallDependenceEmphasis	6.695e+00
original_gldm_SmallDependenceHighGrayLevelEmphasis	-2.321e+00
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.260e+01
original_glrlm_GrayLevelNonUniformity	1.800e+01
original_glrlm_GrayLevelNonUniformityNormalized	-3.063e+01
original_glrlm_GrayLevelVariance	-1.360e+02
original_glrlm_HighGrayLevelRunEmphasis	2.462e+02
original_glrlm_LongRunEmphasis	-1.027e+02
original_glrlm_LongRunHighGrayLevelEmphasis	-4.726e+00
original_glrlm_LongRunLowGrayLevelEmphasis	2.406e+01
original_glrlm_LowGrayLevelRunEmphasis	-4.269e+02
original_glrlm_RunEntropy	5.148e+01
original_glrlm_RunLengthNonUniformity	-6.400e-01
original_glrlm_RunLengthNonUniformityNormalized	-8.020e+01
original_glrlm_RunPercentage	2.562e+02
original_glrlm_RunVariance	8.343e+01
original_glrlm_ShortRunEmphasis	-2.762e+01
original_glrlm_ShortRunHighGrayLevelEmphasis	1.567e+01
original_glrlm_ShortRunLowGrayLevelEmphasis	4.936e+02
original_glszm_GrayLevelNonUniformity	6.421e+00
original_glszm_GrayLevelNonUniformityNormalized	1.216e+01
original_glszm_GrayLevelVariance	7.814e+00
original_glszm_HighGrayLevelZoneEmphasis	9.886e+00
original_glszm_LargeAreaEmphasis	5.157e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	-1.415e+01
original_glszm_LargeAreaLowGrayLevelEmphasis	-6.412e+01
original_glszm_LowGrayLevelZoneEmphasis	-6.101e+01
original_glszm_SizeZoneNonUniformity	3.916e+00
original_glszm_SizeZoneNonUniformityNormalized	3.102e+01
original_glszm_SmallAreaEmphasis	-2.040e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	-1.384e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	2.995e+01
original_glszm_ZoneEntropy	1.379e+01
original_glszm_ZonePercentage	-1.126e+01
original_glszm_ZoneVariance	-4.902e+02
original_ngtdm_Busyness	6.773e+00
original_ngtdm_Coarseness	-2.210e+01
original_ngtdm_Complexity	-8.334e+00
original_ngtdm_Contrast	3.812e+01
original_ngtdm_Strength	2.727e+00
original_shape_Elongation	1.336e+00
original_shape_Flatness	5.360e+00
original_shape_LeastAxisLength	-1.184e+01
original_shape_MajorAxisLength	6.363e+00
original_shape_Maximum2DDiameterColumn	6.793e-02
original_shape_Maximum2DDiameterRow	7.650e-01
original_shape_Maximum2DDiameterSlice	1.087e+00
original_shape_Maximum3DDiameter	1.949e+00
original_shape_MeshVolume	8.851e+02
-	

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I	
original_shape_MinorAxisLength	1.274e+00
original_shape_Sphericity	9.383e+00
original_shape_SurfaceArea	1.525e+00
original_shape_SurfaceVolumeRatio	1.248e+01
original_shape_VoxelVolume	-8.976e+02
	exp(coef)
original_firstorder_10Percentile	1.054e+28
original_firstorder_90Percentile	1.002e-05
original_firstorder_Energy	2.073e-02
original_firstorder_Entropy	2.265e-55
original_firstorder_InterquartileRange	1.729e-12
original_firstorder_Kurtosis	1.023e-02
original_firstorder_Maximum	1.192e+05
original_firstorder_Mean	1.711e-04
original_firstorder_MeanAbsoluteDeviation	1.006e+00
original_firstorder_Median	5.812e+02
original_firstorder_Minimum	6.648e-07
original firstorder Range	1.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	3.226e+27
original_firstorder_RootMeanSquared	9.064e-16
original_firstorder_Skewness	5.472e-02
original_firstorder_TotalEnergy	1.000e+00
original_firstorder_Uniformity	9.882e-32
original_firstorder_Variance	5.755e-165
original_glcm_Autocorrelation	8.048e+45
original_glcm_ClusterProminence	1.130e-290
	4.523e+26
original_glcm_ClusterShade	9.877e+71
original_glcm_ClusterTendency	
original_glcm_Contrast	2.630e-89 2.492e-01
original_glcm_Correlation	
original_glcm_DifferenceAverage	1.702e-150
original_glcm_DifferenceEntropy	4.423e-06
original_glcm_DifferenceVariance	1.085e+275
original_glcm_Id	0.000e+00
original_glcm_Idm	Inf
original_glcm_Idmn	8.820e+02
original_glcm_Idn	2.486e-11
original_glcm_Imc1	1.303e+00
original_glcm_Imc2	9.981e-12
original_glcm_InverseVariance	1.430e-104
original_glcm_JointAverage	1.894e-04
original_glcm_JointEnergy	5.428e+23
original_glcm_JointEntropy	2.067e-48
original_glcm_MCC	5.196e+03
original_glcm_MaximumProbability	1.707e+08
original_glcm_SumAverage	1.000e+00
original_glcm_SumEntropy	1.482e+29
original_glcm_SumSquares	1.000e+00
original_gldm_DependenceEntropy	6.093e+38
original_gldm_DependenceNonUniformity	9.158e-05
original_gldm_DependenceNonUniformityNormalized	1.471e+15
original_gldm_DependenceVariance	1.493e-10
original_gldm_GrayLevelNonUniformity	4.090e-02
original_gldm_GrayLevelVariance	5.541e+236
original_gldm_HighGrayLevelEmphasis	3.916e-162
original_gldm_LargeDependenceEmphasis	3.251e+31

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original_gldm_LargeDependenceHighGrayLevelEmphasis	3.844e+11
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.546e+102
original_gldm_LowGrayLevelEmphasis	4.341e-91
original_gldm_SmallDependenceEmphasis	8.085e+02
original_gldm_SmallDependenceHighGrayLevelEmphasis	9.813e-02
original_gldm_SmallDependenceLowGrayLevelEmphasis	6.519e+09
original_glrlm_GrayLevelNonUniformity	6.594e+07
original_glrlm_GrayLevelNonUniformityNormalized	4.982e-14
original_glrlm_GrayLevelVariance	8.563e-60
original_glrlm_HighGrayLevelRunEmphasis	8.657e+106
original_glrlm_LongRunEmphasis	2.535e-45
original_glrlm_LongRunHighGrayLevelEmphasis	8.863e-03
original_glrlm_LongRunLowGrayLevelEmphasis	2.812e+10
original_glrlm_LowGrayLevelRunEmphasis	4.088e-186
original_glrlm_RunEntropy	2.274e+22
original_glrlm_RunLengthNonUniformity	5.273e-01
original_glrlm_RunLengthNonUniformityNormalized	1.471e-35
original_glrlm_RunPercentage	1.826e+111
original_glrlm_RunVariance	1.712e+36
original_glrlm_ShortRunEmphasis	1.012e-12
original_glrlm_ShortRunHighGrayLevelEmphasis	6.379e+06
original_glrlm_ShortRunLowGrayLevelEmphasis	2.302e+214
original_glszm_GrayLevelNonUniformity	6.146e+02
original_glszm_GrayLevelNonUniformityNormalized	1.906e+05
original_glszm_GrayLevelVariance	2.475e+03
original_glszm_HighGrayLevelZoneEmphasis	1.965e+04
original_glszm_LargeAreaEmphasis	9.457e+223
original_glszm_LargeAreaHighGrayLevelEmphasis	7.125e-07
original_glszm_LargeAreaLowGrayLevelEmphasis	1.417e-28
original_glszm_LowGrayLevelZoneEmphasis	3.194e-27
original_glszm_SizeZoneNonUniformity	5.020e+01
original_glszm_SizeZoneNonUniformityNormalized	2.976e+13
original_glszm_SmallAreaEmphasis	1.383e-09
original_glszm_SmallAreaHighGrayLevelEmphasis	9.739e-07
original_glszm_SmallAreaLowGrayLevelEmphasis	1.017e+13
original_glszm_ZoneEntropy	9.773e+05
original_glszm_ZonePercentage	1.286e-05
original_glszm_ZoneVariance	1.308e-213
original_ngtdm_Busyness	8.736e+02
original_ngtdm_Coarseness	2.535e-10
original_ngtdm_Complexity	2.401e-04
original_ngtdm_Contrast	3.607e+16
original_ngtdm_Strength	1.529e+01
original_shape_Elongation	3.806e+00
original_shape_Flatness	2.126e+02
original_shape_LeastAxisLength	7.187e-06
original_shape_MajorAxisLength	5.797e+02
original_shape_Maximum2DDiameterColumn	1.070e+00
original_shape_Maximum2DDiameterRow	2.149e+00
original_shape_Maximum2DDiameterSlice	2.965e+00
original_shape_Maximum3DDiameter	7.025e+00
original_shape_MeshVolume	Inf
original_shape_MinorAxisLength	3.575e+00
original_shape_Sphericity	1.188e+04
original_shape_SurfaceArea	4.596e+00
original_shape_SurfaceVolumeRatio	2.640e+05

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original_shape_VoxelVolume	0.000e+00
	se(coef)
original_firstorder_10Percentile	5.226e-01
original_firstorder_90Percentile	2.524e-01
original_firstorder_Energy	3.688e-01
original_firstorder_Entropy	2.233e-01
original_firstorder_InterquartileRange	6.928e-01
original_firstorder_Kurtosis	1.812e-01
original_firstorder_Maximum	2.172e-01
original_firstorder_Mean	2.499e-01
original_firstorder_MeanAbsoluteDeviation	3.895e-01
original_firstorder_Median	2.040e-01
original_firstorder_Minimum	2.668e-01
original_firstorder_Range	2.566e-01
original_firstorder_RobustMeanAbsoluteDeviation	7.209e-01
original_firstorder_RootMeanSquared	3.227e-01
original_firstorder_Skewness	1.729e-01
original_firstorder_TotalEnergy	3.688e-01
original_firstorder_Uniformity	1.513e-01
original_firstorder_Variance	8.399e-01
original_glcm_Autocorrelation	2.343e-01
original_glcm_ClusterProminence	9.430e+00
original_glcm_ClusterShade	1.433e+00
original_glcm_ClusterTendency	7.793e-01
original_glcm_Contrast	1.925e+00
original_glcm_Correlation	2.246e-01
original_glcm_DifferenceAverage	3.064e-01
original_glcm_DifferenceEntropy	1.996e-01
original_glcm_DifferenceVariance	2.104e+00
original_glcm_Id	1.825e-01
original_glcm_Idm	1.903e-01
original_glcm_Idmn	4.489e-01
original_glcm_Idn	2.980e-01
original_glcm_Imc1	1.843e-01
original_glcm_Imc2	2.621e-01
original_glcm_InverseVariance	1.305e-01
original_glcm_JointAverage	2.692e-01
original_glcm_JointEnergy	1.100e-01
original_glcm_JointEntropy	2.023e-01
original_glcm_MCC	2.364e-01
original_glcm_MaximumProbability	1.457e-01
original_glcm_SumAverage	2.692e-01
original_glcm_SumEntropy	1.990e-01
original_glcm_SumSquares	9.038e-01
original_gldm_DependenceEntropy	1.382e-01
original_gldm_DependenceNonUniformity	7.977e-02
original_gldm_DependenceNonUniformityNormalized	8.565e-02
original_gldm_DependenceVariance	1.897e-01
original_gldm_GrayLevelNonUniformity	1.312e-01
original_gldm_GrayLevelVariance	8.392e-01
original_gldm_HighGrayLevelEmphasis	2.341e-01
original_gldm_LargeDependenceEmphasis	1.993e-01
original_gldm_LargeDependenceHighGrayLevelEmphasis	1.756e-01
original_gldm_LargeDependenceLowGrayLevelEmphasis	1.200e+00
original_gldm_LowGrayLevelEmphasis	1.310e+00
original_gldm_SmallDependenceEmphasis	2.069e-01
I	

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original_gldm_SmallDependenceHighGrayLevelEmphasis	3.256e-01
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.048e+00
original_glrlm_GrayLevelNonUniformity	1.118e-01
original_glrlm_GrayLevelNonUniformityNormalized	1.570e-01
	6.344e-01
original_glrlm_GrayLevelVariance	
original_glrlm_HighGrayLevelRunEmphasis	2.362e-01
original_glrlm_LongRunEmphasis	6.300e-02
original_glrlm_LongRunHighGrayLevelEmphasis	9.404e-02
original_glrlm_LongRunLowGrayLevelEmphasis	7.085e-01
original_glrlm_LowGrayLevelRunEmphasis	1.268e+00
original_glrlm_RunEntropy	1.964e-01
original_glrlm_RunLengthNonUniformity	1.639e-01
original_glrlm_RunLengthNonUniformityNormalized	1.936e-01
original_glrlm_RunPercentage	2.007e-01
original_glrlm_RunVariance	5.627e-02
original_glrlm_ShortRunEmphasis	1.983e-01
original_glrlm_ShortRunHighGrayLevelEmphasis	2.566e-01
original_glrlm_ShortRunLowGrayLevelEmphasis	1.282e+00
original_glszm_GrayLevelNonUniformity	1.841e-01
original_glszm_GrayLevelNonUniformityNormalized	2.444e-01
original_glszm_GrayLevelVariance	3.119e-01
original_glszm_HighGrayLevelZoneEmphasis	2.748e-01
original_glszm_LargeAreaEmphasis	1.238e-01
original_glszm_LargeAreaHighGrayLevelEmphasis	1.175e-01
original_glszm_LargeAreaLowGrayLevelEmphasis	6.336e-01
original_glszm_LowGrayLevelZoneEmphasis	1.020e+00
original_glszm_SizeZoneNonUniformity	2.297e-01
original_glszm_SizeZoneNonUniformityNormalized	2.508e-01
original_glszm_SmallAreaEmphasis	2.680e-01
original_glszm_SmallAreaHighGrayLevelEmphasis	2.668e-01
original_glszm_SmallAreaLowGrayLevelEmphasis	1.045e+00
original_glszm_ZoneEntropy	2.591e-01
original_glszm_ZonePercentage	2.082e-01
original_glszm_ZoneVariance	1.238e-01
original_ngtdm_Busyness	4.340e-01
original_ngtdm_Coarseness	1.202e+00
original_ngtdm_Complexity	5.439e-01
original_ngtdm_Contrast	1.654e+00
original_ngtdm_Strength	4.565e-01
original_shape_Elongation	1.824e-01
original_shape_Flatness	2.153e-01
original_shape_LeastAxisLength	2.343e-01
original_shape_MajorAxisLength	2.114e-01
original_shape_Maximum2DDiameterColumn	2.233e-01
original_shape_Maximum2DDiameterRow	2.394e-01
original_shape_Maximum2DDiameterSlice	2.336e-01
original_shape_Maximum3DDiameter	2.091e-01
original_shape_MeshVolume	1.487e-01
original_shape_MinorAxisLength	2.260e-01
original_shape_Sphericity	2.480e-01
original_shape_SurfaceArea	1.456e-01
original_shape_SurfaceVolumeRatio	1.953e-01
original_shape_VoxelVolume	1.492e-01
o. 181101_310pc_voxe1vo101111	7.492E-01 Z
original_firstorder_10Percentile	123.466
original_firstorder_90Percentile	-45.603
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	original_firstorder_Energy	-10.510
l	original_firstorder_Entropy	-563.553
	original_firstorder_InterquartileRange	-39.094
	original_firstorder_Kurtosis	-25.295
l	original_firstorder_Maximum	53.814
	original_firstorder_Mean	-34.701
	$original\_firstorder\_MeanAbsoluteDeviation$	0.016
	original_firstorder_Median	31.204
	original_firstorder_Minimum	-53.316
l	original_firstorder_Range	0.000
l	original_firstorder_RobustMeanAbsoluteDeviation	87.863
	original_firstorder_RootMeanSquared	-107.346
l	original_firstorder_Skewness	-16.805
	original_firstorder_TotalEnergy	0.000
l	original_firstorder_Uniformity	-471.755
l	original_firstorder_Variance	-450.253
	original_glcm_Autocorrelation	451.091
l	original_glcm_ClusterProminence	-70.801
	original_glcm_ClusterShade	42.830
	original glcm ClusterTendency	212.734
	original_glcm_Contrast	-105.955
	original_glcm_Correlation	-6.188
l	original_glcm_DifferenceAverage	-1125.651
	original_glcm_DifferenceEntropy	-61.773
l	original_glcm_DifferenceVariance	301.019
	original_glcm_Id	-13739.078
l	original_glcm_Idm	11181.253
	original_glcm_Idmn	15.107
	original_glcm_Idn	-81.952
	original_glcm_Imc1	1.437
	original_glcm_Imc2	-96.627
	original_glcm_InverseVariance	-1832.268
	original_glcm_JointAverage	-31.841
	original_glcm_JointEnergy	496.990
	original_glcm_JointEntropy	-542.633
l		
	original_glcm_MCC	36.185 130.131
	original_glcm_MaximumProbability	
	original_glcm_SumAverage	0.000
l	original_glcm_SumEntropy	337.567
	original_glcm_SumSquares	0.000
	original_gldm_DependenceEntropy	646.036
	original_gldm_DependenceNonUniformity	-116.567
l	original_gldm_DependenceNonUniformityNormalized	407.740
	original_gldm_DependenceVariance	-119.290
	original_gldm_GrayLevelNonUniformity	-24.364
	original_gldm_GrayLevelVariance	649.559
	original_gldm_HighGrayLevelEmphasis	-1587.715
	original_gldm_LargeDependenceEmphasis	364.090
	original_gldm_LargeDependenceHighGrayLevelEmphasis	151.890
	original_gldm_LargeDependenceLowGrayLevelEmphasis	196.055
	original_gldm_LowGrayLevelEmphasis	-158.806
	original_gldm_SmallDependenceEmphasis	32.364
	original_gldm_SmallDependenceHighGrayLevelEmphasis	-7.130
	original_gldm_SmallDependenceLowGrayLevelEmphasis	21.567
	original_glrlm_GrayLevelNonUniformity	160.983
	original_glrlm_GrayLevelNonUniformityNormalized	-195.123

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original_glrlm_GrayLevelVariance	-214.380
original_glrlm_HighGrayLevelRunEmphasis	1042.352
original_glrlm_LongRunEmphasis	-1629.999
original_glrlm_LongRunHighGrayLevelEmphasis	-50.252
original_glrlm_LongRunLowGrayLevelEmphasis	33.957
original_glrlm_LowGrayLevelRunEmphasis	-336.714
original_glrlm_RunEntropy	262.119
original_glrlm_RunLengthNonUniformity	-3.906
original_glrlm_RunLengthNonUniformityNormalized	-414.183
original_glrlm_RunPercentage	1276.598
original_glrlm_RunVariance	1482.666
original_glrlm_ShortRunEmphasis	-139.299
original_glrlm_ShortRunHighGrayLevelEmphasis	61.073
original_glrlm_ShortRunLowGrayLevelEmphasis	384.988
original_glszm_GrayLevelNonUniformity	34.870
original_glszm_GrayLevelNonUniformityNormalized	49.746
original_glszm_GrayLevelVariance	25.051
original_glszm_HighGrayLevelZoneEmphasis	35.977
original_glszm_LargeAreaEmphasis	4166.668
	-120.466
<pre>original_glszm_LargeAreaHighGrayLevelEmphasis original_glszm_LargeAreaLowGrayLevelEmphasis</pre>	
	-101.201
original_glszm_LowGrayLevelZoneEmphasis	-59.813
original_glszm_SizeZoneNonUniformity	17.046
original_glszm_SizeZoneNonUniformityNormalized	123.724
original_glszm_SmallAreaEmphasis	-76.113
original_glszm_SmallAreaHighGrayLevelEmphasis	-51.886
original_glszm_SmallAreaLowGrayLevelEmphasis	28.664
original_glszm_ZoneEntropy	53.223
original_glszm_ZonePercentage	-54.079
original_glszm_ZoneVariance	-3960.433
original_ngtdm_Busyness	15.604
original_ngtdm_Coarseness	-18.376
original_ngtdm_Complexity	-15.322
original_ngtdm_Contrast	23.050
original_ngtdm_Strength	5.974
original_shape_Elongation	7.328
original_shape_Flatness	24.895
original_shape_LeastAxisLength	-50.556
original_shape_MajorAxisLength	30.100
original_shape_Maximum2DDiameterColumn	0.304
original_shape_Maximum2DDiameterRow	3.195
original_shape_Maximum2DDiameterSlice	4.653
original_shape_Maximum3DDiameter	9.321
original_shape_MeshVolume	5950.349
original_shape_MinorAxisLength	5.638
original_shape_Sphericity	37.834
original_shape_SurfaceArea	10.475
original_shape_SurfaceVolumeRatio	63.913
original_shape_VoxelVolume	-6017.659
	p
original_firstorder_10Percentile	۲ 4 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	< 2e-16
original_firstorder_Entropy	< 2e-16
original_firstorder_Entropy original_firstorder_InterquartileRange	< 2e-16 < 2e-16
original_firstorder_Kurtosis	< 2e-16
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	. 2- 16
original_firstorder_Maximum	< 2e-16
original_firstorder_Mean	< 2e-16
original_firstorder_MeanAbsoluteDeviation	0.9869
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.0000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	< 2e-16
original_firstorder_TotalEnergy	1.0000
original_firstorder_Uniformity	< 2e-16
original_firstorder_Variance	< 2e-16
original_glcm_Autocorrelation	< 2e-16
original_glcm_ClusterProminence	< 2e-16
original_glcm_ClusterShade	< 2e-16
original_glcm_ClusterTendency	< 2e-16
original_glcm_Contrast	< 2e-16
original_glcm_Correlation	6.08e-10
original_glcm_DifferenceAverage	< 2e-16
original_glcm_DifferenceEntropy	< 2e-16
original_glcm_DifferenceVariance	< 2e-16
original_glcm_Id	< 2e-16
original_glcm_Idm	< 2e-16
original_glcm_Idmn	< 2e-16
original_glcm_Idn	< 2e-16
original_glcm_Imc1	0.1507
	< 2e-16
original_glcm_Imc2	< 2e-16
original_glcm_InverseVariance	
original_glcm_JointAverage	< 2e-16
original_glcm_JointEnergy	< 2e-16
original_glcm_JointEntropy	< 2e-16
original_glcm_MCC	< 2e-16
original_glcm_MaximumProbability	< 2e-16
original_glcm_SumAverage	1.0000
original_glcm_SumEntropy	< 2e-16
original_glcm_SumSquares	1.0000
original_gldm_DependenceEntropy	< 2e-16
original_gldm_DependenceNonUniformity	< 2e-16
original_gldm_DependenceNonUniformityNormalized	< 2e-16
original_gldm_DependenceVariance	< 2e-16
original_gldm_GrayLevelNonUniformity	< 2e-16
original_gldm_GrayLevelVariance	< 2e-16
original_gldm_HighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceEmphasis	< 2e-16
original_gldm_LargeDependenceHighGrayLevelEmphasis	< 2e-16
original_gldm_LargeDependenceLowGrayLevelEmphasis	< 2e-16
original_gldm_LowGrayLevelEmphasis	< 2e-16
original_gldm_SmallDependenceEmphasis	< 2e-16
original_gldm_SmallDependenceHighGrayLevelEmphasis	1.00e-12
original_gldm_SmallDependenceLowGrayLevelEmphasis	< 2e-16
original_glrlm_GrayLevelNonUniformity	< 2e-16
original_glrlm_GrayLevelNonUniformityNormalized	< 2e-16
original_glrlm_GrayLevelVariance	< 2e-16
original_glrlm_HighGrayLevelRunEmphasis	< 2e-16
original_glrlm_LongRunEmphasis	< 2e-16
original_glrlm_LongRunHighGrayLevelEmphasis	< 2e-16
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```
original glrlm LongRunLowGrayLevelEmphasis
                                                     < 2e-16
original glrlm LowGrayLevelRunEmphasis
                                                     < 2e-16
                                                     < 2e-16
original glrlm RunEntropy
                                                    9.38e-05
original glrlm RunLengthNonUniformity
original_glrlm_RunLengthNonUniformityNormalized
                                                     < 2e-16
original glrlm RunPercentage
                                                     < 2e-16
original_glrlm_RunVariance
                                                     < 2e-16
original_glrlm_ShortRunEmphasis
                                                     < 2e-16
original_glrlm_ShortRunHighGrayLevelEmphasis
                                                     < 2e-16
original_glrlm_ShortRunLowGrayLevelEmphasis
                                                     < 2e-16
original glszm GrayLevelNonUniformity
                                                     < 2e-16
original_glszm_GrayLevelNonUniformityNormalized
                                                     < 2e-16
original_glszm_GrayLevelVariance
                                                     < 2e-16
original glszm HighGrayLevelZoneEmphasis
                                                     < 2e-16
original glszm LargeAreaEmphasis
                                                     < 2e-16
original_glszm_LargeAreaHighGrayLevelEmphasis
                                                     < 2e-16
original glszm LargeAreaLowGrayLevelEmphasis
                                                     < 2e-16
original glszm LowGravLevelZoneEmphasis
                                                     < 2e-16
original glszm SizeZoneNonUniformity
                                                     < 2e-16
original glszm SizeZoneNonUniformityNormalized
                                                     < 2e-16
original glszm SmallAreaEmphasis
                                                     < 2e-16
original glszm SmallAreaHighGrayLevelEmphasis
                                                     < 2e-16
original_glszm_SmallAreaLowGrayLevelEmphasis
                                                     < 2e-16
original_glszm_ZoneEntropy
                                                     < 2e-16
original glszm ZonePercentage
                                                     < 2e-16
original_glszm_ZoneVariance
                                                     < 2e-16
                                                     < 2e-16
original ngtdm Busyness
original ngtdm Coarseness
                                                     < 2e-16
original ngtdm Complexity
                                                     < 2e-16
                                                     < 2e-16
original_ngtdm_Contrast
                                                    2.31e-09
original_ngtdm_Strength
original shape Elongation
                                                    2.34e-13
original_shape_Flatness
                                                     < 2e-16
original_shape_LeastAxisLength
                                                     < 2e-16
original_shape_MajorAxisLength
                                                     < 2e-16
original_shape_Maximum2DDiameterColumn
                                                      0.7610
original shape Maximum2DDiameterRow
                                                      0.0014
original shape Maximum2DDiameterSlice
                                                    3.27e-06
original shape Maximum3DDiameter
                                                     < 2e-16
original shape MeshVolume
                                                     < 2e-16
original shape MinorAxisLength
                                                    1.72e-08
original_shape_Sphericity
                                                     < 2e-16
original shape SurfaceArea
                                                     < 2e-16
original shape SurfaceVolumeRatio
                                                     < 2e-16
original shape VoxelVolume
                                                     < 2e-16
Likelihood ratio test=136.2 on 107 df, p=0.02976
n= 137, number of events= 32
$model list[[5]]$coxmodels[[2]]
coxph(formula = as.formula(paste("Surv(df train$time, df train$event) ~",
    paste(predict.factors, collapse = "+"))), data = df_train,
    x = TRUE
```

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oniginal finstandan 10Dansantila	4 2760101
original_firstorder_10Percentile	4.276e+01
original_firstorder_90Percentile	1.165e+01
original_firstorder_Energy	-6.823e-01
original_firstorder_Entropy	-6.341e+01
original_firstorder_InterquartileRange	-6.109e+01
original_firstorder_Kurtosis	-2.383e-02
original_firstorder_Maximum	1.049e+01
original_firstorder_Mean	-2.325e+01
original_firstorder_MeanAbsoluteDeviation	7.340e+01
original_firstorder_Median	-2.097e+00
original_firstorder_Minimum	5.284e+01
original_firstorder_Range	0.000e+00
original_firstorder_RobustMeanAbsoluteDeviation	6.898e+01
original_firstorder_RootMeanSquared	-2.011e+01
original_firstorder_Skewness	-4.302e-01
original_firstorder_TotalEnergy	0.000e+00
original_firstorder_Uniformity	-2.458e+01
original_firstorder_Variance	3.792e+03
original_glcm_Autocorrelation	-9.183e+02
original_glcm_ClusterProminence	7.514e+03
original_glcm_ClusterFlomInence	1.071e+03
original_glcm_ClusterTendency	-2.647e+02
original_glcm_Contrast	4.219e+02
original_glcm_Correlation	-7.379e-01
original_glcm_DifferenceAverage	1.618e+02
original_glcm_DifferenceEntropy	-2.191e+01
original_glcm_DifferenceVariance	-5.247e+02
original_glcm_Id	1.312e+03
original_glcm_Idm	-1.143e+03
original_glcm_Idmn	-4.345e+00
original_glcm_Idn	-1.079e+00
original_glcm_Imc1	-8.884e+00
original_glcm_Imc2	-2.066e+01
original_glcm_InverseVariance	9.805e+01
original_glcm_JointAverage	5.837e+01
original_glcm_JointEnergy	-1.504e+01
original_glcm_JointEntropy	-1.509e+01
original_glcm_MCC	-7.264e-01
original_glcm_MaximumProbability	6.518e+00
original_glcm_SumAverage	0.000e+00
original_glcm_SumEntropy	1.636e+01
original_glcm_SumSquares	0.000e+00
	1.263e+01
original_gldm_DependenceEntropy	
original_gldm_DependenceNonUniformity	-1.107e+02
original_gldm_DependenceNonUniformityNormalized	1.731e+01
original_gldm_DependenceVariance	-2.792e+01
original_gldm_GrayLevelNonUniformity	9.746e+00
original_gldm_GrayLevelVariance	-3.537e+03
original_gldm_HighGrayLevelEmphasis	1.366e+03
original_gldm_LargeDependenceEmphasis	6.215e+01
original_gldm_LargeDependenceHighGrayLevelEmphasis	3.292e+01
original_gldm_LargeDependenceLowGrayLevelEmphasis	-3.798e+01
original_gldm_LowGrayLevelEmphasis	2.593e+01
	2.3336.01
original_gldm_SmallDependenceEmphasis	2.830e+01
<pre>original_gldm_SmallDependenceEmphasis original_gldm_SmallDependenceHighGrayLevelEmphasis</pre>	

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original_glrlm_GrayLevelNonUniformity	-7.080e+01
original_glrlm_GrayLevelNonUniformityNormalized	1.015e+01
original_glrlm_GrayLevelVariance	-9.982e+01
original_glrlm_HighGrayLevelRunEmphasis	-5.147e+02
original_glrlm_LongRunEmphasis	6.916e+01
original_glrlm_LongRunHighGrayLevelEmphasis	-2.335e+01
original_glrlm_LongRunLowGrayLevelEmphasis	1.203e+01
original_glrlm_LowGrayLevelRunEmphasis	1.342e+02
original_glrlm_RunEntropy	4.338e+01
original_glrlm_RunLengthNonUniformity	1.067e+02
original_glrlm_RunLengthNonUniformityNormalized	-1.805e+02
original_glrlm_RunPercentage	4.252e+01
original_glrlm_RunVariance	-7.333e+01
original_glrlm_ShortRunEmphasis	1.648e+02
original_glrlm_ShortRunHighGrayLevelEmphasis	1.063e+02
original_glrlm_ShortRunLowGrayLevelEmphasis	-1.352e+02
original_glszm_GrayLevelNonUniformity	1.454e+01
original glszm GrayLevelNonUniformityNormalized	6.831e+00
original_glszm_GrayLevelVariance	8.126e+00
original_glszm_HighGrayLevelZoneEmphasis	-9.302e+00
original_glszm_LargeAreaEmphasis	-7.176e+02
original_glszm_LargeAreaHighGrayLevelEmphasis	8.233e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	-4.684e+00
original_glszm_LowGrayLevelZoneEmphasis	-7.807e+00
original_glszm_SizeZoneNonUniformity	-2.269e+01
original_glszm_SizeZoneNonUniformityNormalized	-2.339e+01
original_glszm_SmallAreaEmphasis	2.502e+01
original_glszm_SmallAreaHighGrayLevelEmphasis	-1.883e+01
original_glszm_SmallAreaLowGrayLevelEmphasis	3.994e+00
original_glszm_ZoneEntropy	7.767e+00
original glszm ZonePercentage	-2.037e+01
original_glszm_ZoneVariance	7.257e+02
original_ngtdm_Busyness	1.229e+00
original_ngtdm_Coarseness	4.072e+00
original_ngtdm_Complexity	-7.246e+01
original_ngtdm_Contrast	-2.820e+01
original_ngtdm_Strength	1.327e+00
original_shape_Elongation	3.560e+00
original_shape_Flatness	-3.839e-01
original_shape_LeastAxisLength	2.036e+00
original_shape_MajorAxisLength	1.640e+01
original_shape_Maximum2DDiameterColumn	1.908e+00
original_shape_Maximum2DDiameterRow	-7.495e+00
original_shape_Maximum2DDiameterSlice	-5.251e+00
original_shape_Maximum3DDiameter	1.753e+00
original_shape_MeshVolume	3.521e+03
original_shape_MinorAxisLength	5.732e+00
original_shape_Sphericity	8.093e+00
original_shape_SurfaceArea	1.037e+02
original_shape_SurfaceVolumeRatio	4.667e+01
original_shape_VoxelVolume	-3.530e+03
, <u> </u>	exp(coef)
original_firstorder_10Percentile	3.713e+18
original_firstorder_90Percentile	1.148e+05
original_firstorder_Energy	5.055e-01
original_firstorder_Entropy	2.902e-28
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	original_firstorder_InterquartileRange	2.938e-27
	original_firstorder_Kurtosis	9.765e-01
	original_firstorder_Maximum	3.579e+04
	original_firstorder_Mean	8.024e-11
	original_firstorder_MeanAbsoluteDeviation	7.512e+31
	original_firstorder_Median	1.228e-01
	original_firstorder_Minimum	8.868e+22
	original_firstorder_Range	1.000e+00
	original_firstorder_RobustMeanAbsoluteDeviation	9.067e+29
	original_firstorder_RootMeanSquared	1.851e-09
	original_firstorder_Skewness	6.504e-01
	original_firstorder_TotalEnergy	1.000e+00
	original_firstorder_Uniformity	2.119e-11
	original_firstorder_Variance	Inf
	original_glcm_Autocorrelation	0.000e+00
	original_glcm_ClusterProminence	Inf
	original_glcm_ClusterShade	Inf
	original glcm ClusterTendency	1.049e-115
	original_glcm_Contrast	1.643e+183
	original_glcm_Correlation	4.781e-01
	original_glcm_DifferenceAverage	1.842e+70
		3.057e-10
	original_glcm_DifferenceEntropy	1.373e-228
	original_glcm_DifferenceVariance	
	original_glcm_Id	Inf
	original_glcm_Idm	0.000e+00
	original_glcm_Idmn	1.297e-02
	original_glcm_Idn	3.398e-01
	original_glcm_Imc1	1.386e-04
	original_glcm_Imc2	1.062e-09
	original_glcm_InverseVariance	3.816e+42
	original_glcm_JointAverage	2.243e+25
	original_glcm_JointEnergy	2.936e-07
	original_glcm_JointEntropy	2.785e-07
	original_glcm_MCC	4.837e-01
	original_glcm_MaximumProbability	6.770e+02
	original_glcm_SumAverage	1.000e+00
	original_glcm_SumEntropy	1.273e+07
	original_glcm_SumSquares	1.000e+00
	original_gldm_DependenceEntropy	3.058e+05
	original_gldm_DependenceNonUniformity	8.738e-49
	original_gldm_DependenceNonUniformityNormalized	3.309e+07
	original_gldm_DependenceVariance	7.483e-13
	original_gldm_GrayLevelNonUniformity	1.709e+04
	original_gldm_GrayLevelVariance	0.000e+00
	original_gldm_HighGrayLevelEmphasis	Inf
	original_gldm_LargeDependenceEmphasis	9.828e+26
	$original\_gldm\_LargeDependence High Gray Level Emphasis$	1.980e+14
	original_gldm_LargeDependenceLowGrayLevelEmphasis	3.212e-17
	original_gldm_LowGrayLevelEmphasis	1.822e+11
	original_gldm_SmallDependenceEmphasis	1.949e+12
	$original\_gldm\_SmallDependence High Gray Level Emphasis$	3.656e-06
	original_gldm_SmallDependenceLowGrayLevelEmphasis	1.512e+00
	original_glrlm_GrayLevelNonUniformity	1.793e-31
	original_glrlm_GrayLevelNonUniformityNormalized	2.568e+04
	original_glrlm_GrayLevelVariance	4.471e-44
	original_glrlm_HighGrayLevelRunEmphasis	3.011e-224

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original_glrlm_LongRunEmphasis	1.086e+30
original_glrlm_LongRunHighGrayLevelEmphasis	7.263e-11
original_glrlm_LongRunLowGrayLevelEmphasis	1.684e+05
original_glrlm_LowGrayLevelRunEmphasis	1.892e+58
original_glrlm_RunEntropy	6.936e+18
original_glrlm_RunLengthNonUniformity	2.162e+46
original_glrlm_RunLengthNonUniformityNormalized	3.900e-79
original_glrlm_RunPercentage	2.925e+18
original_glrlm_RunVariance	1.426e-32
original_glrlm_ShortRunEmphasis	3.721e+71
original_glrlm_ShortRunHighGrayLevelEmphasis	1.510e+46
original_glrlm_ShortRunLowGrayLevelEmphasis	1.990e-59
original_glszm_GrayLevelNonUniformity	2.063e+06
original_glszm_GrayLevelNonUniformityNormalized	9.257e+02
original_glszm_GrayLevelVariance	3.382e+03
original_glszm_HighGrayLevelZoneEmphasis	9.128e-05
original_glszm_LargeAreaEmphasis	2.231e-312
original_glszm_LargeAreaHighGrayLevelEmphasis	3.763e+03
original_glszm_LargeAreaLowGrayLevelEmphasis	9.245e-03
original glszm LowGrayLevelZoneEmphasis	
	4.068e-04
original_glszm_SizeZoneNonUniformity	1.396e-10
original_glszm_SizeZoneNonUniformityNormalized	6.927e-11
original_glszm_SmallAreaEmphasis	7.311e+10
original_glszm_SmallAreaHighGrayLevelEmphasis	6.622e-09
original_glszm_SmallAreaLowGrayLevelEmphasis	5.427e+01
original_glszm_ZoneEntropy	2.362e+03
original_glszm_ZonePercentage	1.428e-09
original_glszm_ZoneVariance	Inf
original_ngtdm_Busyness	3.419e+00
original_ngtdm_Coarseness	5.869e+01
original_ngtdm_Complexity	3.387e-32
original_ngtdm_Contrast	5.661e-13
original_ngtdm_Strength	3.771e+00
original_shape_Elongation	3.517e+01
original_shape_Flatness	6.812e-01
original_shape_LeastAxisLength	7.663e+00
original_shape_MajorAxisLength	1.323e+07
original_shape_Maximum2DDiameterColumn	6.737e+00
original_shape_Maximum2DDiameterRow	5.560e-04
original_shape_Maximum2DDiameterSlice	5.243e-03
original_shape_Maximum3DDiameter	5.770e+00
original_shape_MeshVolume	Inf
original_shape_MinorAxisLength	3.086e+02
original_shape_Sphericity	3.272e+03
original_shape_SurfaceArea	1.047e+45
original_shape_SurfaceVolumeRatio	1.854e+20
original_shape_VoxelVolume	0.000e+00
	se(coef)
original_firstorder_10Percentile	6.207e-01
original_firstorder_90Percentile	3.207e-01
original_firstorder_Energy	3.486e+00
original_firstorder_Entropy	2.982e-01
original_firstorder_InterquartileRange	6.130e-01
original_firstorder_Kurtosis	2.088e-01
original_firstorder_Maximum	7.266e-01
original_firstorder_Mean	3.500e-01
	2.3000 01

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original_firstorder_MeanAbsoluteDeviation	6.761e-01
original_firstorder_Median	2.540e-01
original_firstorder_Minimum	2.695e-01
original_firstorder_Range	5.213e-01
original_firstorder_RobustMeanAbsoluteDeviation	6.727e-01
original_firstorder_RootMeanSquared	4.398e-01
original_firstorder_Skewness	2.347e-01
original_firstorder_TotalEnergy	3.486e+00
original_firstorder_Uniformity	2.710e-01
original_firstorder_Variance	1.938e+00
original_glcm_Autocorrelation	2.901e-01
original_glcm_ClusterProminence	6.821e+01
original_glcm_ClusterShade	9.085e+00
original_glcm_ClusterTendency	3.120e+00
original_glcm_Contrast	2.344e+00
original_glcm_Correlation	3.692e-01
original_glcm_DifferenceAverage	3.765e-01
original_glcm_DifferenceEntropy	2.803e-01
original_glcm_DifferenceVariance	2.737e+00
original_glcm_Id	2.582e-01
original_glcm_Idm	2.567e-01
original_glcm_Idmn	2.819e-01
original_glcm_Idm	2.653e-01
original_glcm_Imc1	3.260e-01
original_glcm_Imc2	3.153e-01
original_glcm_InverseVariance	3.075e-01
original_glcm_JointAverage	2.482e-01
original_glcm_JointEnergy	2.728e-01
original_glcm_JointEntropy	2.902e-01
original_glcm_MCC	3.349e-01
original_glcm_MaximumProbability	2.881e-01
original_glcm_SumAverage	2.482e-01
original_glcm_SumEntropy	3.016e-01
original_glcm_SumSquares	2.979e+00
original_gldm_DependenceEntropy	2.736e-01
original_gldm_DependenceNonUniformity	2.081e+00
original_gldm_DependenceNonUniformityNormalized	3.136e-01
original_gldm_DependenceVariance	2.940e-01
original_gldm_GrayLevelNonUniformity	1.213e+00
original_gldm_GrayLevelVariance	1.943e+00
original_gldm_HighGrayLevelEmphasis	2.918e-01
original_gldm_LargeDependenceEmphasis	3.169e-01
original_gldm_LargeDependenceHighGrayLevelEmphasis	3.143e-01
original_gldm_LargeDependenceLowGrayLevelEmphasis	5.491e-01
original_gldm_LowGrayLevelEmphasis	1.569e-01
original_gldm_SmallDependenceEmphasis	3.593e-01
original_gldm_SmallDependenceHighGrayLevelEmphasis	5.177e-01
original_gldm_SmallDependenceLowGrayLevelEmphasis	1.698e-01
original_glrlm_GrayLevelNonUniformity	1.401e+00
original_glrlm_GrayLevelNonUniformityNormalized	2.385e-01
original_glrlm_GrayLevelVariance	1.558e+00
original_glrlm_HighGrayLevelRunEmphasis	2.920e-01
original_glrlm_LongRunEmphasis	4.114e-01
original_glrlm_LongRunHighGrayLevelEmphasis	3.855e-01
original_glrlm_LongRunLowGrayLevelEmphasis	3.666e-01
original_glrlm_LowGrayLevelRunEmphasis	1.595e-01

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original_glrlm_RunEntropy	2.736e-01
original_glrlm_RunLengthNonUniformity	1.909e+00
original_glrlm_RunLengthNonUniformityNormalized	3.265e-01
original_glrlm_RunPercentage	3.146e-01
original_glrlm_RunVariance	4.827e-01
original_glrlm_ShortRunEmphasis	3.280e-01
original_glrlm_ShortRunHighGrayLevelEmphasis	3.058e-01
original_glrlm_ShortRunLowGrayLevelEmphasis	1.422e-01
original_glszm_GrayLevelNonUniformity	1.594e+00
original_glszm_GrayLevelNonUniformityNormalized	2.772e-01
original_glszm_GrayLevelVariance	6.239e-01
original_glszm_HighGrayLevelZoneEmphasis	3.111e-01
original_glszm_LargeAreaEmphasis	9.166e-01
original_glszm_LargeAreaHighGrayLevelEmphasis	1.899e+00
original_glszm_LargeAreaLowGrayLevelEmphasis	6.309e-01
original_glszm_LowGrayLevelZoneEmphasis	2.341e-01
original_glszm_SizeZoneNonUniformity	2.107e+00
original glszm SizeZoneNonUniformityNormalized	2.509e-01
original_glszm_SmallAreaEmphasis	2.195e-01
original_glszm_SmallAreaHighGrayLevelEmphasis	3.399e-01
original_glszm_SmallAreaLowGrayLevelEmphasis	3.234e-01
original_glszm_ZoneEntropy	3.898e-01
original_glszm_ZonePercentage	3.453e-01
original_glszm_ZoneVariance	9.242e-01
	6.049e-01
<pre>original_ngtdm_Busyness original_ngtdm_Coarseness</pre>	1.363e-01
	1.293e+00
<pre>original_ngtdm_Complexity original_ngtdm_Contrast</pre>	8.977e-01
	4.879e-01
original_ngtdm_Strength	
original_shape_Elongation	4.050e-01
original_shape_Flatness	2.476e-01
original_shape_LeastAxisLength	4.428e-01
original_shape_MajorAxisLength	6.967e-01
original_shape_Maximum2DDiameterColumn	7.177e-01
original_shape_Maximum2DDiameterRow	7.134e-01
original_shape_Maximum2DDiameterSlice	8.375e-01
original_shape_Maximum3DDiameter	8.020e-01
original_shape_MeshVolume	1.304e+00
original_shape_MinorAxisLength	7.891e-01
original_shape_Sphericity	3.539e-01
original_shape_SurfaceArea	2.455e+00
original_shape_SurfaceVolumeRatio	3.058e-01
original_shape_VoxelVolume	1.308e+00
	Z
original_firstorder_10Percentile	68.891
original_firstorder_90Percentile	36.327
original_firstorder_Energy	-0.196
original_firstorder_Entropy	-212.643
original_firstorder_InterquartileRange	-99.668
original_firstorder_Kurtosis	-0.114
original_firstorder_Maximum	14.431
original_firstorder_Mean	-66.416
original_firstorder_MeanAbsoluteDeviation	108.559
original_firstorder_Median	-8.257
original_firstorder_Minimum	196.043
original_firstorder_Range	0.000

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l	
original_firstorder_RobustMeanAbsoluteDeviation	102.541
original_firstorder_RootMeanSquared	-45.719
original_firstorder_Skewness	-1.833
original_firstorder_TotalEnergy	0.000
original_firstorder_Uniformity	-90.690
original_firstorder_Variance	1956.688
original_glcm_Autocorrelation	-3165.084
original_glcm_ClusterProminence	110.163
original_glcm_ClusterShade	117.912
original_glcm_ClusterTendency	-84.849
original_glcm_Contrast	180.001
original_glcm_Correlation	-1.999
original_glcm_DifferenceAverage	429.735
original_glcm_DifferenceEntropy	-78.147
original_glcm_DifferenceVariance	-191.666
original_glcm_Id	5082.186
original_glcm_Idm	-4452.350
original_glcm_Idmn	-15.412
original_glcm_Idn	-4.069
original_glcm_Imc1	-27.255
original_glcm_Imc2	-65.540
original_glcm_InverseVariance	318.882
original_glcm_JointAverage	235.151
original_glcm_JointEnergy	-55.133
original_glcm_JointEntropy	-52.020
original_glcm_MCC	-2.169
original_glcm_MaximumProbability	22.625
original_glcm_SumAverage	0.000
original_glcm_SumEntropy	54.237
original_glcm_SumSquares	0.000
original_gldm_DependenceEntropy	46.168
original_gldm_DependenceNonUniformity	-53.176
original_gldm_DependenceNonUniformityNormalized	55.215
original_gldm_DependenceVariance	-94.962
original_gldm_GrayLevelNonUniformity	8.035
original_gldm_GrayLevelVariance	-1820.317
original_gldm_HighGrayLevelEmphasis	4679.530
original_gldm_LargeDependenceEmphasis	196.099
original_gldm_LargeDependenceHighGrayLevelEmphasis	104.731
original_gldm_LargeDependenceLowGrayLevelEmphasis	-69.164
original_gldm_LowGrayLevelEmphasis	165.278
original_gldm_SmallDependenceEmphasis	78.748
original_gldm_SmallDependenceHighGrayLevelEmphasis	-24.184
original_gldm_SmallDependenceLowGrayLevelEmphasis	2.436
original_glrlm_GrayLevelNonUniformity	-50.534
original_glrlm_GrayLevelNonUniformityNormalized	42.569
original_glrlm_GrayLevelVariance	-64.053
original_glrlm_HighGrayLevelRunEmphasis	-1762.748
original_glrlm_LongRunHighGnavLovelEmphasis	168.092
original_glrlm_LongRunlowGrayLevelEmphasis	-60.552
original_glrlm_LowGrayLovelPunEmphasis	32.824
original_glrlm_LowGrayLevelRunEmphasis	841.358
original_glrlm_RunEntropy	158.544
<pre>original_glrlm_RunLengthNonUniformity original_glrlm_RunLengthNonUniformityNormalized</pre>	55.898 -552.977
original_glrlm_RunPercentage	135.139
or return Fire Tim Will of College	100,100

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original_glrlm_RunVariance	-151.912
original_glrlm_ShortRunEmphasis	502.421
original_glrlm_ShortRunHighGrayLevelEmphasis	347.740
original_glrlm_ShortRunLowGrayLevelEmphasis	-950.598
original_glszm_GrayLevelNonUniformity	9.124
original_glszm_GrayLevelNonUniformityNormalized	24.638
original_glszm_GrayLevelVariance	13.025
original_glszm_HighGrayLevelZoneEmphasis	-29.900
original_glszm_LargeAreaEmphasis	-782.887
original_glszm_LargeAreaHighGrayLevelEmphasis	4.335
original_glszm_LargeAreaLowGrayLevelEmphasis	-7.424
original_glszm_LowGrayLevelZoneEmphasis	-33.345
original_glszm_SizeZoneNonUniformity	-10.770
original_glszm_SizeZoneNonUniformityNormalized	-93.251
original_glszm_SmallAreaEmphasis	113.947
original_glszm_SmallAreaHighGrayLevelEmphasis	-55.410
original_glszm_SmallAreaLowGrayLevelEmphasis	12.351
original_glszm_ZoneEntropy	19.928
original_glszm_ZonePercentage	-58.989
original_glszm_ZoneVariance	785.179
original_ngtdm_Busyness	2.032
original_ngtdm_Coarseness	29.886
original_ngtdm_Complexity	-56.028
original_ngtdm_Contrast	-31.414
original_ngtdm_Strength	2.721
original_shape_Elongation	8.791
original_shape_Flatness	-1.551 4.598
original_shape_LeastAxisLength	
original_shape_MajorAxisLength	23.535
original_shape_Maximum2DDiameterColumn	2.658
original_shape_Maximum2DDiameterRow	-10.505
original_shape_Maximum2DDiameterSlice	-6.269
original_shape_Maximum3DDiameter	2.185
original_shape_MeshVolume	2699.606
original_shape_MinorAxisLength	7.264
original_shape_Sphericity	22.865
original_shape_SurfaceArea	42.227
original_shape_SurfaceVolumeRatio	152.594
original_shape_VoxelVolume	-2698.737
	р
original_firstorder_10Percentile	< 2e-16
original_firstorder_90Percentile	< 2e-16
original_firstorder_Energy	0.84482
original_firstorder_Entropy	< 2e-16
original_firstorder_InterquartileRange	< 2e-16
original_firstorder_Kurtosis	0.90914
original_firstorder_Maximum	< 2e-16
original_firstorder_Mean	< 2e-16
original_firstorder_MeanAbsoluteDeviation	< 2e-16
original_firstorder_Median	< 2e-16
original_firstorder_Minimum	< 2e-16
original_firstorder_Range	1.00000
original_firstorder_RobustMeanAbsoluteDeviation	< 2e-16
original_firstorder_RootMeanSquared	< 2e-16
original_firstorder_Skewness	0.06676
original_firstorder_TotalEnergy	1.00000

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	original_firstorder_Uniformity	<	2e-16
	original_firstorder_Variance	<	2e-16
	original_glcm_Autocorrelation	<	2e-16
	original_glcm_ClusterProminence	<	2e-16
	original_glcm_ClusterShade	<	2e-16
	original_glcm_ClusterTendency	<	2e-16
	original_glcm_Contrast	<	2e-16
	original_glcm_Correlation	0.	04561
	original_glcm_DifferenceAverage	<	2e-16
	original_glcm_DifferenceEntropy	<	2e-16
	original_glcm_DifferenceVariance	<	2e-16
	original_glcm_Id	<	2e-16
	original_glcm_Idm	<	2e-16
	original_glcm_Idmn		2e-16
	original_glcm_Idn		3e-05
	original_glcm_Imc1		2e-16
	original_glcm_Imc2		2e-16
	original_glcm_InverseVariance		2e-16
	original_glcm_JointAverage		2e-16
			2e-16 2e-16
	original_glcm_JointEnergy		
	original_glcm_JointEntropy		2e-16
	original_glcm_MCC		03010
	original_glcm_MaximumProbability		2e-16
	original_glcm_SumAverage	1.	00000
	original_glcm_SumEntropy	<	2e-16
	original_glcm_SumSquares	1.	00000
	original_gldm_DependenceEntropy	<	2e-16
	original_gldm_DependenceNonUniformity	<	2e-16
	original_gldm_DependenceNonUniformityNormalized	<	2e-16
	original_gldm_DependenceVariance	<	2e-16
	original_gldm_GrayLevelNonUniformity	9.3	3e-16
	original_gldm_GrayLevelVariance	<	2e-16
	original_gldm_HighGrayLevelEmphasis	<	2e-16
	original_gldm_LargeDependenceEmphasis	<	2e-16
	original_gldm_LargeDependenceHighGrayLevelEmphasis	<	2e-16
	original_gldm_LargeDependenceLowGrayLevelEmphasis	<	2e-16
	original_gldm_LowGrayLevelEmphasis	<	2e-16
	original_gldm_SmallDependenceEmphasis		2e-16
	original_gldm_SmallDependenceHighGrayLevelEmphasis		2e-16
	original_gldm_SmallDependenceLowGrayLevelEmphasis		01486
	original_glrlm_GrayLevelNonUniformity		2e-16
	original_glrlm_GrayLevelNonUniformityNormalized		2e-16
	original_glrlm_GrayLevelVariance		2e-16
	original_glrlm_HighGrayLevelRunEmphasis		2e-16
	original_glrlm_LongRunEmphasis		2e-16
	original_glrlm_LongRunHighGrayLevelEmphasis		2e-16
	original_glrlm_LongRunLowGrayLevelEmphasis		2e-16
	original_glrlm_LowGrayLevelRunEmphasis		2e-16
	original_glrlm_RunEntropy		2e-16
	original_glrlm_RunLengthNonUniformity		2e-16
	original_glrlm_RunLengthNonUniformityNormalized		2e-16
	original_glrlm_RunPercentage		2e-16
	original_glrlm_RunVariance		2e-16
	original_glrlm_ShortRunEmphasis		2e-16
	original_glrlm_ShortRunHighGrayLevelEmphasis	<	2e-16
	original_glrlm_ShortRunLowGrayLevelEmphasis	<	2e-16
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original_glszm_GrayLevelNonUniformity	< 2e-16
original_glszm_GrayLevelNonUniformityNormalized	< 2e-16
original_glszm_GrayLevelVariance	< 2e-16
original_glszm_HighGrayLevelZoneEmphasis	< 2e-16
original_glszm_LargeAreaEmphasis	< 2e-16
original_glszm_LargeAreaHighGrayLevelEmphasis	1.46e-05
original_glszm_LargeAreaLowGrayLevelEmphasis	1.46e-03 1.14e-13
	< 2e-16
original_glszm_LowGrayLevelZoneEmphasis	
original_glszm_SizeZoneNonUniformity	< 2e-16
original_glszm_SizeZoneNonUniformityNormalized	< 2e-16
original_glszm_SmallAreaEmphasis	< 2e-16
original_glszm_SmallAreaHighGrayLevelEmphasis	< 2e-16
original_glszm_SmallAreaLowGrayLevelEmphasis	< 2e-16
original_glszm_ZoneEntropy	< 2e-16
original_glszm_ZonePercentage	< 2e-16
original_glszm_ZoneVariance	< 2e-16
original_ngtdm_Busyness	0.04213
original_ngtdm_Coarseness	< 2e-16
original_ngtdm_Complexity	< 2e-16
original_ngtdm_Contrast	< 2e-16
original_ngtdm_Strength	0.00651
original_shape_Elongation	< 2e-16
original_shape_Flatness	0.12100
original_shape_LeastAxisLength	4.26e-06
original_shape_MajorAxisLength	< 2e-16
original_shape_Maximum2DDiameterColumn	0.00786
original_shape_Maximum2DDiameterRow	< 2e-16
<pre>original_shape_Maximum2DDiameterSlice</pre>	3.63e-10
original_shape_Maximum3DDiameter	0.02886
original_shape_MeshVolume	< 2e-16
original_shape_MinorAxisLength	3.75e-13
original_shape_Sphericity	< 2e-16
original_shape_SurfaceArea	< 2e-16
original_shape_SurfaceVolumeRatio	< 2e-16
original_shape_VoxelVolume	< 2e-16
<del>-</del>	

Likelihood ratio test=137.3 on 107 df, p=0.0257 n= 224, number of events= 15  $\,$ 

\$model\_list[[5]]\$clusters
[1] 1.880444 0.508729

## \$time

Time difference of 1.5903 mins

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