5y complications analysis

```
xls_path <- '../../data/ESSG extraction DEC 2022_3rd report 5Y - ONLY DPS Mod.xlsx'
```

Filters

```
# discarded_patients <- readLines('five_years/discarded_patients')

data_set %<>%
    .[, followup_2y :=
        !!is.na(`2 YEAR VISIT - Date of visit`) |
        !!is.na(`3 YEAR VISIT - Date of visit`)] %>%
    .[, followup_5y :=
        !!is.na(`5 YEAR VISIT - Date of visit`) |
        !!is.na(`6 YEAR VISIT - Date of visit`)]
```

```
# data_set %<>%
# .[followup_2y==TRUE] %>%
# .[`st1. Date of Stage` %>% as.Date() < as.Date('2016-6-1')]
```

Total Patients for the analysis: 594

Only Major Complications

All complications

	Estimate	Std.	Error	t value	Pr(> t)
(Intercept)	-0.007		0.118	-0.059	0.953
Age	0.006		0.001	4.880	0.000
GenderMale	-0.028		0.052	-0.543	0.587
Prior_Spine_SurgeryYes	0.043		0.046	0.938	0.349
ASA_classification	0.044		0.036	1.231	0.219
BMI_First_Visit	-0.001		0.005	-0.279	0.781
SiteBOR Op	-0.101		0.056	-1.809	0.071
SiteIST Op	0.159		0.211	0.752	0.452
SiteMAD Op	-0.223		0.068	-3.277	0.001
SiteZUR Op	-0.119		0.053	-2.255	0.024
<pre>'5y_vs_2y_effect'</pre>	-0.002		0.207	-0.008	0.993
Age: '5y_vs_2y_effect'	-0.002		0.002	-1.079	0.281
<pre>GenderMale:'5y_vs_2y_effect'</pre>	0.074		0.089	0.824	0.410
<pre>Prior_Spine_SurgeryYes:'5y_vs_2y_effect'</pre>	-0.129		0.077	-1.667	0.096
ASA_classification:'5y_vs_2y_effect'	-0.009		0.067	-0.133	0.894
BMI_First_Visit:'5y_vs_2y_effect'	-0.002		0.008	-0.264	0.792
SiteBOR Op: '5y_vs_2y_effect'	0.112		0.100	1.127	0.260

```
SiteIST Op: '5y_vs_2y_effect'
                                            0.244
                                                       0.365
                                                               0.668
                                                                         0.505
SiteMAD Op: '5y_vs_2y_effect'
                                            0.217
                                                       0.113 1.922
                                                                         0.055
                                                                         0.352
SiteZUR Op: '5y_vs_2y_effect'
                                            0.086
                                                       0.092
                                                               0.931
                                                Estimate Std. Error t value
(Intercept)
                                                    0.057
                                                               0.133
                                                                       0.431
                                                   0.004
                                                              0.001
Age
                                                                       3.375
GenderMale
                                                   -0.018
                                                              0.047 -0.395
                                                               0.040 -0.335
Prior_Spine_SurgeryYes
                                                   -0.013
                                                              0.032 0.866
ASA_classification
                                                   0.028
                                                   -0.004
                                                              0.004 -0.917
BMI_First_Visit
SiteBOR Op
                                                   -0.085
                                                              0.049 - 1.750
SiteIST Op
                                                   0.316
                                                              0.191
                                                                      1.655
SiteMAD Op
                                                   -0.146
                                                              0.057 - 2.563
SiteZUR Op
                                                   -0.090
                                                              0.048 - 1.885
Global_Tilt
                                                   0.004
                                                               0.001
                                                                       2.515
Static_Major_curve_Cobb_angle
                                                   0.001
                                                               0.001
                                                                       0.501
'5y_vs_2y_effect'
                                                   0.005
                                                               0.105 0.051
Global_Tilt:'5y_vs_2y_effect'
                                                   -0.004
                                                              0.002 -1.931
                                                              0.002 -0.610
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                   -0.001
                                                Pr(>|t|)
                                                   0.667
(Intercept)
                                                    0.001
Age
GenderMale
                                                    0.693
Prior_Spine_SurgeryYes
                                                    0.738
ASA_classification
                                                    0.387
BMI_First_Visit
                                                    0.360
                                                    0.081
SiteBOR Op
SiteIST Op
                                                    0.099
SiteMAD Op
                                                   0.011
SiteZUR Op
                                                   0.060
Global_Tilt
                                                    0.012
Static_Major_curve_Cobb_angle
                                                    0.617
'5y_vs_2y_effect'
                                                    0.960
Global_Tilt:'5y_vs_2y_effect'
                                                    0.054
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                    0.542
```

Impact of complications on followup

Only considering those with 2 FU

```
Age
                               0.0039862 0.0020162 1.977
                                                            0.0488 *
GenderMale
                               0.0600092 0.0730176 0.822
                                                            0.4117
'Prior Spine Surgery'Yes
                              0.0231657 0.0620543 0.373
                                                            0.7091
'ASA classification'
                              -0.1070041 0.0483492 -2.213
                                                            0.0275 *
'BMI_First Visit'
                              0.0005533 0.0065324 0.085
                                                            0.9325
SiteBOR Op
                             -0.0919261 0.0745252 -1.233
                                                           0.2182
SiteIST Op
                              0.0557332 0.3635355 0.153
                                                            0.8782
                              0.1014502 0.0889755 1.140
SiteMAD Op
                                                            0.2550
SiteZUR Op
                              0.0141384 0.0752264 0.188
                                                            0.8510
'Global Tilt'
                               0.0004024 0.0019712 0.204
                                                            0.8384
'Static Major curve Cobb angle'
                               0.0015720 0.0014070 1.117
                                                            0.2646
'2Y. ODI - Score (%)'
                               0.0028554 0.0031606
                                                    0.903
                                                            0.3669
'2Y. SRS22 - SRS Subtotal score' 0.0263567 0.0954132 0.276
                                                            0.7825
'2Y. SF36 - MCS'
                               0.0038730 0.0037303 1.038
                                                            0.2999
'2Y. SF36 - PCS'
                               0.0028088 0.0055013
                                                    0.511
                                                            0.6100
complication_before_2yYes
                               0.0962820 0.0620054
                                                    1.553
                                                            0.1214
```

Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for gaussian family taken to be 0.2475167)

Null deviance: 93.637 on 374 degrees of freedom Residual deviance: 88.611 on 358 degrees of freedom (59 observations deleted due to missingness)

AIC: 559.2

Number of Fisher Scoring iterations: 2

Complication Types

	${\tt Estimate}$	Std.	Error	t value	Pr(> t)
(Intercept)	-0.268		0.062	-4.335	0.000
Age	0.001		0.001	1.439	0.151
GenderMale	-0.007		0.027	-0.243	0.808
Prior_Spine_SurgeryYes	0.022		0.024	0.903	0.367
ASA_classification	0.047		0.019	2.504	0.013
BMI_First_Visit	0.009		0.003	3.644	0.000
SiteBOR Op	-0.030		0.029	-1.017	0.310
SiteIST Op	-0.106		0.110	-0.961	0.337
SiteMAD Op	-0.041		0.036	-1.143	0.254
SiteZUR Op	-0.067		0.028	-2.425	0.016
'5y_vs_2y_effect'	0.253		0.109	2.330	0.020
Age: '5y_vs_2y_effect'	-0.001		0.001	-0.432	0.666
<pre>GenderMale: '5y_vs_2y_effect'</pre>	0.033		0.047	0.695	0.487
<pre>Prior_Spine_SurgeryYes:'5y_vs_2y_effect'</pre>	-0.036		0.040	-0.893	0.372
ASA_classification:'5y_vs_2y_effect'	-0.052		0.035	-1.466	0.143
BMI_First_Visit:'5y_vs_2y_effect'	-0.008		0.004	-1.923	0.055
SiteBOR Op: '5y_vs_2y_effect'	0.011		0.052	0.215	0.830
SiteIST Op: '5y_vs_2y_effect'	0.105		0.191	0.548	0.584
SiteMAD Op: '5y_vs_2y_effect'	0.031		0.059	0.527	0.598
SiteZUR Op:'5y_vs_2y_effect'	0.046		0.048	0.959	0.338

Estimate Std. Error t value

```
0.068 - 1.742
(Intercept)
                                                   -0.119
Age
                                                    0.001
                                                                0.001
                                                                        1.231
                                                   -0.002
                                                               0.024 - 0.094
GenderMale
                                                    0.004
                                                               0.021
                                                                        0.215
Prior_Spine_SurgeryYes
ASA classification
                                                    0.020
                                                               0.016
                                                                        1.244
BMI First Visit
                                                    0.006
                                                               0.002
                                                                       2.810
SiteBOR Op
                                                   -0.033
                                                               0.025 - 1.303
SiteIST Op
                                                   -0.070
                                                               0.098 - 0.707
SiteMAD Op
                                                   -0.026
                                                                0.029 -0.902
                                                               0.024 -2.130
                                                   -0.052
SiteZUR Op
Global_Tilt
                                                    0.001
                                                                0.001 0.932
                                                               0.001 -1.536
Static_Major_curve_Cobb_angle
                                                   -0.001
                                                               0.054 -1.013
'5y_vs_2y_effect'
                                                   -0.055
Global_Tilt:'5y_vs_2y_effect'
                                                   -0.002
                                                                0.001 - 1.589
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                    0.001
                                                                0.001
                                                                        0.869
                                                 Pr(>|t|)
                                                    0.082
(Intercept)
Age
                                                    0.219
GenderMale
                                                    0.925
Prior_Spine_SurgeryYes
                                                    0.830
ASA_classification
                                                    0.214
BMI First Visit
                                                    0.005
                                                    0.193
SiteBOR Op
SiteIST Op
                                                    0.480
                                                    0.367
SiteMAD Op
SiteZUR Op
                                                    0.034
Global_Tilt
                                                    0.351
Static_Major_curve_Cobb_angle
                                                    0.125
'5y_vs_2y_effect'
                                                    0.311
Global_Tilt:'5y_vs_2y_effect'
                                                    0.113
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                    0.385
                                          Estimate Std. Error t value Pr(>|t|)
(Intercept)
                                            -0.090
                                                        0.083 -1.077
                                                                          0.282
                                             0.002
                                                        0.001
                                                                2.587
                                                                          0.010
Age
                                                        0.037 -0.873
GenderMale
                                            -0.032
                                                                          0.383
Prior_Spine_SurgeryYes
                                             0.029
                                                        0.033
                                                               0.894
                                                                          0.372
ASA\_classification
                                            -0.001
                                                        0.025 -0.049
                                                                          0.961
BMI_First_Visit
                                             0.003
                                                        0.003 0.748
                                                                          0.455
SiteBOR Op
                                             0.044
                                                        0.039
                                                                1.114
                                                                          0.266
                                                        0.149 -0.576
SiteIST Op
                                            -0.086
                                                                          0.565
SiteMAD Op
                                            -0.006
                                                        0.048 -0.125
                                                                          0.901
SiteZUR Op
                                            -0.038
                                                        0.037 -1.034
                                                                          0.302
'5y_vs_2y_effect'
                                             0.011
                                                        0.147
                                                                0.074
                                                                          0.941
Age: '5y_vs_2y_effect'
                                            -0.001
                                                        0.002 -0.318
                                                                          0.750
                                                        0.063 0.905
GenderMale:'5y_vs_2y_effect'
                                             0.057
                                                                          0.366
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'
                                            -0.048
                                                        0.055 -0.882
                                                                          0.378
ASA_classification:'5y_vs_2y_effect'
                                             0.051
                                                        0.047
                                                                1.083
                                                                          0.279
BMI_First_Visit: '5y_vs_2y_effect'
                                            -0.003
                                                        0.006 - 0.564
                                                                          0.573
SiteBOR Op: '5y_vs_2y_effect'
                                            -0.001
                                                        0.070 -0.018
                                                                          0.986
SiteIST Op: '5y_vs_2y_effect'
                                             0.502
                                                        0.258
                                                                1.946
                                                                          0.052
SiteMAD Op: '5y_vs_2y_effect'
                                             0.020
                                                        0.080
                                                                0.249
                                                                          0.804
SiteZUR Op: '5y_vs_2y_effect'
                                            -0.012
                                                        0.065 -0.187
                                                                          0.852
```

```
Estimate Std. Error t value
(Intercept)
                                                   -0.127
                                                               0.096 - 1.326
                                                               0.001
Age
                                                    0.002
                                                                        2.460
                                                   -0.018
                                                               0.034 -0.533
GenderMale
Prior_Spine_SurgeryYes
                                                    0.018
                                                               0.029
                                                                       0.623
                                                    0.012
                                                               0.023
                                                                       0.498
ASA classification
BMI First Visit
                                                    0.002
                                                               0.003
                                                                       0.609
                                                               0.035
                                                                       0.806
SiteBOR Op
                                                    0.028
SiteIST Op
                                                    0.100
                                                               0.138
                                                                      0.728
                                                               0.041 -0.093
SiteMAD Op
                                                   -0.004
                                                               0.034 -1.458
SiteZUR Op
                                                   -0.050
Global_Tilt
                                                    0.000
                                                               0.001
                                                                       0.295
                                                               0.001
Static_Major_curve_Cobb_angle
                                                    0.001
                                                                       0.858
'5y_vs_2y_effect'
                                                   -0.033
                                                               0.076 - 0.441
Global_Tilt:'5y_vs_2y_effect'
                                                    0.001
                                                               0.002
                                                                        0.712
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                    0.000
                                                               0.001
                                                                        0.020
                                                 Pr(>|t|)
(Intercept)
                                                    0.185
                                                    0.014
Age
GenderMale
                                                    0.594
Prior_Spine_SurgeryYes
                                                    0.534
ASA_classification
                                                    0.619
BMI_First_Visit
                                                    0.543
SiteBOR Op
                                                    0.420
SiteIST Op
                                                    0.467
SiteMAD Op
                                                    0.926
SiteZUR Op
                                                    0.145
Global_Tilt
                                                    0.768
Static_Major_curve_Cobb_angle
                                                    0.391
'5y_vs_2y_effect'
                                                    0.660
Global_Tilt:'5y_vs_2y_effect'
                                                    0.477
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                    0.984
                                          Estimate Std. Error t value Pr(>|t|)
(Intercept)
                                            -0.082
                                                        0.033 - 2.492
                                                                          0.013
Age
                                             0.000
                                                        0.000 -0.266
                                                                          0.790
{\tt GenderMale}
                                            -0.003
                                                        0.015 -0.181
                                                                         0.856
Prior_Spine_SurgeryYes
                                             0.021
                                                        0.013 1.586
                                                                         0.113
                                                                         0.041
ASA\_classification
                                             0.021
                                                        0.010 2.047
                                             0.003
                                                        0.001
                                                                2.313
BMI_First_Visit
                                                                         0.021
                                                        0.016 -0.316
                                            -0.005
                                                                         0.752
SiteBOR Op
SiteIST Op
                                            -0.049
                                                        0.059 -0.839
                                                                         0.402
                                                        0.019 -1.794
                                            -0.034
                                                                         0.073
SiteMAD Op
                                                        0.015 - 2.402
SiteZUR Op
                                            -0.035
                                                                         0.017
'5y_vs_2y_effect'
                                             0.082
                                                        0.058 1.419
                                                                         0.156
Age: '5y_vs_2y_effect'
                                             0.000
                                                        0.001 0.144
                                                                         0.885
GenderMale: '5y_vs_2y_effect'
                                             0.003
                                                        0.025 0.106
                                                                         0.916
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'
                                            -0.021
                                                        0.022 -0.950
                                                                         0.342
                                                        0.019 - 1.094
ASA_classification: '5y_vs_2y_effect'
                                            -0.021
                                                                         0.274
BMI_First_Visit: '5y_vs_2y_effect'
                                            -0.003
                                                        0.002 - 1.313
                                                                         0.190
SiteBOR Op: '5y_vs_2y_effect'
                                             0.005
                                                        0.028
                                                                0.177
                                                                          0.860
SiteIST Op: '5y_vs_2y_effect'
                                             0.049
                                                        0.102
                                                                0.485
                                                                         0.628
SiteMAD Op: '5y_vs_2y_effect'
                                             0.034
                                                        0.032 1.081
                                                                          0.280
                                             0.035
                                                        0.026 1.372
SiteZUR Op: '5y_vs_2y_effect'
                                                                          0.171
```

```
Estimate Std. Error t value
(Intercept)
                                                   -0.074
                                                               0.034 - 2.167
                                                               0.000 0.930
Age
                                                    0.000
                                                   -0.001
                                                               0.012 -0.087
GenderMale
Prior_Spine_SurgeryYes
                                                    0.013
                                                               0.010
                                                                       1.246
                                                    0.009
                                                               0.008
                                                                      1.091
ASA classification
BMI First Visit
                                                    0.001
                                                               0.001
                                                                       0.968
                                                               0.013 0.133
SiteBOR Op
                                                    0.002
SiteIST Op
                                                   -0.014
                                                               0.049 -0.295
                                                               0.015 -1.190
SiteMAD Op
                                                   -0.017
SiteZUR Op
                                                   -0.016
                                                               0.012 -1.292
                                                               0.000 0.363
Global_Tilt
                                                    0.000
                                                               0.000
Static_Major_curve_Cobb_angle
                                                    0.001
                                                                       2.464
'5y_vs_2y_effect'
                                                               0.027
                                                    0.023
                                                                       0.854
Global_Tilt:'5y_vs_2y_effect'
                                                   -0.001
                                                               0.001 -1.139
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                   -0.001
                                                               0.000 - 1.223
                                                 Pr(>|t|)
(Intercept)
                                                    0.031
                                                    0.353
Age
GenderMale
                                                    0.931
Prior_Spine_SurgeryYes
                                                    0.213
ASA_classification
                                                    0.276
                                                    0.333
BMI First Visit
                                                    0.894
SiteBOR Op
SiteIST Op
                                                    0.768
SiteMAD Op
                                                    0.234
SiteZUR Op
                                                    0.197
Global_Tilt
                                                    0.717
                                                    0.014
Static_Major_curve_Cobb_angle
'5y_vs_2y_effect'
                                                    0.394
Global_Tilt:'5y_vs_2y_effect'
                                                    0.255
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                    0.222
                                         Estimate Std. Error t value Pr(>|t|)
                                           -0.004
                                                        0.041 -0.102
                                                                         0.919
(Intercept)
                                                        0.000 -0.041
Age
                                             0.000
                                                                         0.967
                                             0.014
                                                        0.018 0.804
                                                                         0.422
GenderMale
                                             0.030
                                                        0.016 1.888
                                                                         0.059
Prior_Spine_SurgeryYes
ASA\_classification
                                            0.038
                                                        0.012 3.086
                                                                         0.002
                                                        0.002 -0.674
BMI_First_Visit
                                            -0.001
                                                                         0.500
                                           -0.021
                                                        0.019 -1.081
                                                                         0.280
SiteBOR Op
SiteIST Op
                                            0.171
                                                        0.073 2.353
                                                                         0.019
                                                        0.023 - 2.379
                                                                         0.018
SiteMAD Op
                                           -0.056
                                                        0.018 -2.505
SiteZUR Op
                                           -0.046
                                                                         0.012
'5y_vs_2y_effect'
                                            0.004
                                                        0.072 0.058
                                                                         0.954
Age: '5y_vs_2y_effect'
                                            0.000
                                                        0.001 0.022
                                                                         0.982
GenderMale: '5y_vs_2y_effect'
                                            -0.014
                                                        0.031 -0.469
                                                                         0.639
Prior_Spine_SurgeryYes:'5y_vs_2y_effect'
                                            -0.030
                                                        0.027 -1.131
                                                                         0.258
ASA_classification: '5y_vs_2y_effect'
                                            -0.038
                                                        0.023 - 1.650
                                                                         0.100
BMI_First_Visit: '5y_vs_2y_effect'
                                            0.001
                                                        0.003 0.383
                                                                         0.702
SiteBOR Op: '5y_vs_2y_effect'
                                             0.021
                                                        0.034
                                                                0.605
                                                                         0.546
SiteIST Op: '5y_vs_2y_effect'
                                                        0.126 -1.360
                                           -0.171
                                                                         0.174
SiteMAD Op: '5y_vs_2y_effect'
                                            0.056
                                                        0.039
                                                              1.432
                                                                         0.153
                                            0.046
                                                        0.032 1.431
SiteZUR Op: '5y_vs_2y_effect'
                                                                         0.153
```

(T-+	Estimate St		
(Intercept)	0.012	0.046	
Age	0.000	0.000	
GenderMale	0.009	0.016	
Prior_Spine_SurgeryYes	0.019		1.376
ASA_classification	0.028	0.011	
BMI_First_Visit	-0.002	0.001	
SiteBOR Op	-0.015	0.017	
SiteIST Op	0.150	0.066	
SiteMAD Op	-0.039	0.020	
SiteZUR Op	-0.032	0.016	-1.929
Global_Tilt	0.001	0.001	1.327
Static_Major_curve_Cobb_angle	0.000	0.000	0.470
'5y_vs_2y_effect'	-0.002	0.036	-0.062
<pre>Global_Tilt:'5y_vs_2y_effect'</pre>	-0.001	0.001	-1.383
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'	0.000	0.001	-0.036
	Pr(> t)		
(Intercept)	0.793		
Age	0.828		
GenderMale	0.585		
Prior_Spine_SurgeryYes	0.169		
ASA_classification	0.013		
BMI_First_Visit	0.221		
SiteBOR Op	0.363		
SiteIST Op	0.023		
SiteMAD Op	0.050		
SiteZUR Op	0.054		
Global_Tilt	0.185		
Static_Major_curve_Cobb_angle	0.639		
'5y_vs_2y_effect'	0.951		
Global_Tilt: '5y_vs_2y_effect'	0.167		
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'	0.972		
	0.0.2		

Reinterventions

	Estimate	Std.	Error	t value	Pr(> t)
(Intercept)	0.649		0.331	1.959	0.050
Age	0.003		0.004	0.707	0.480
GenderMale	-0.017		0.128	-0.129	0.897
Prior_Spine_SurgeryYes	0.133		0.095	1.398	0.163
ASA_classification	-0.009		0.095	-0.096	0.923
BMI_First_Visit	0.024		0.010	2.382	0.017
SiteBOR Op	0.003		0.136	0.021	0.983
SiteIST Op	-0.676		0.491	-1.378	0.169
SiteMAD Op	0.029		0.215	0.135	0.893
SiteZUR Op	-0.158		0.122	-1.292	0.197
'5y_vs_2y_effect'	-0.687		0.352	-1.951	0.051
Age: '5y_vs_2y_effect'	0.000		0.004	0.111	0.911
<pre>GenderMale: '5y_vs_2y_effect'</pre>	-0.019		0.138	-0.140	0.888
<pre>Prior_Spine_SurgeryYes:'5y_vs_2y_effect'</pre>	-0.158		0.106	-1.489	0.137
ASA_classification:'5y_vs_2y_effect'	-0.007		0.102	-0.072	0.943
BMI_First_Visit:'5y_vs_2y_effect'	-0.021		0.011	-1.944	0.052
SiteBOR Op: '5y_vs_2y_effect'	-0.032		0.146	-0.222	0.824

```
SiteIST Op: '5y_vs_2y_effect'
                                            0.786
                                                       0.538 1.462
                                                                        0.144
                                                                        0.837
SiteMAD Op: '5y_vs_2y_effect'
                                           -0.047
                                                       0.227 -0.205
                                            0.111
                                                       0.134 0.832
                                                                        0.406
SiteZUR Op: '5y_vs_2y_effect'
                                                Estimate Std. Error t value
(Intercept)
                                                   1.316
                                                              0.212
                                                                      6.202
                                                   0.003
                                                              0.001
Age
                                                                      1.715
GenderMale
                                                  -0.018
                                                              0.054 -0.334
                                                              0.046 0.062
Prior_Spine_SurgeryYes
                                                   0.003
ASA_classification
                                                  -0.007
                                                              0.037 -0.191
BMI_First_Visit
                                                   0.008
                                                              0.005 1.596
SiteBOR Op
                                                  -0.047
                                                              0.054 -0.870
                                                              0.228 -0.198
SiteIST Op
                                                  -0.045
                                                              0.073 -0.509
SiteMAD Op
                                                  -0.037
SiteZUR Op
                                                  -0.092
                                                              0.055 -1.678
Global_Tilt
                                                  -0.001
                                                              0.003 -0.227
Static_Major_curve_Cobb_angle
                                                              0.002 -1.520
                                                  -0.003
'5y_vs_2y_effect'
                                                  -1.462
                                                              0.169 -8.658
                                                              0.004 0.082
Global_Tilt:'5y_vs_2y_effect'
                                                   0.000
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                   0.004
                                                              0.002
                                                                      1.435
                                                Pr(>|t|)
                                                   0.000
(Intercept)
                                                   0.087
Age
GenderMale
                                                   0.738
Prior_Spine_SurgeryYes
                                                   0.951
ASA_classification
                                                   0.849
BMI_First_Visit
                                                   0.111
SiteBOR Op
                                                   0.385
SiteIST Op
                                                   0.843
SiteMAD Op
                                                   0.611
SiteZUR Op
                                                   0.094
Global_Tilt
                                                   0.821
Static_Major_curve_Cobb_angle
                                                   0.129
'5y_vs_2y_effect'
                                                   0.000
Global_Tilt:'5y_vs_2y_effect'
                                                   0.935
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                   0.152
```