5y complications analysis

```
xls_path <- '../../data/ESSG extraction June 2022_1st report 5Y - ONLY DPS.xlsx'</pre>
```

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: 575

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
'5y_vs_2y_effect'	-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
BMI_First_Visit
                                                   -0.004
                                                               0.004 -0.917
SiteBOR Op
                                                   -0.085
                                                               0.049 - 1.750
                                                               0.191
SiteIST Op
                                                    0.316
                                                                       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
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'
                                                               0.002 -0.610
                                                   -0.001
                                                 Pr(>|t|)
(Intercept)
                                                    0.667
                                                    0.001
Age
GenderMale
                                                    0.693
Prior_Spine_SurgeryYes
                                                    0.738
ASA_classification
                                                    0.387
BMI_First_Visit
                                                    0.360
SiteBOR Op
                                                    0.081
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
Call:
glm(formula = followup_5y ~ ., data = .)
Deviance Residuals:
   Min
              1Q
                   Median
                                ЗQ
                                        Max
-0.7410 -0.4808
                   0.2756
                            0.4595
                                     0.7579
Coefficients:
                                   Estimate Std. Error t value Pr(>|t|)
                                 -0.0901330 0.4223102 -0.213
(Intercept)
                                                                  0.8311
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
                               -0.0919261 0.0745252 -1.233
SiteBOR Op
                                                               0.2182
SiteIST Op
                                0.0557332 0.3635355 0.153
                                                               0.8782
SiteMAD Op
                                0.1014502 0.0889755 1.140
                                                               0.2550
                                0.0141384 0.0752264 0.188
SiteZUR Op
                                                               0.8510
'Global Tilt'
                                 0.0004024 0.0019712 0.204
                                                                0.8384
'Static Major curve Cobb angle' 0.0015720 0.0014070 1.117 '2Y. ODI - Score (%)' 0.0028554 0.0031606 0.903
                                                               0.2646
                                                                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 '** 0.01 '* 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

	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 -0.119 0.068 -1.742

(Intercept)

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

Estimate Std. Error t value

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

	Estimate	Std.	Error	t value
(Intercept)	0.012		0.046	0.262
Age	0.000		0.000	-0.218
GenderMale	0.009		0.016	0.547
Prior_Spine_SurgeryYes	0.019		0.014	1.376
ASA_classification	0.028		0.011	2.505
BMI_First_Visit	-0.002		0.001	-1.225
SiteBOR Op	-0.015		0.017	-0.910
SiteIST Op	0.150		0.066	2.278
SiteMAD Op	-0.039		0.020	-1.968
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			
<pre>Global_Tilt:'5y_vs_2y_effect'</pre>	0.167			
Static_Major_curve_Cobb_angle:'5y_vs_2y_effect'	0.972			

Reinterventions

	Estimate S	Std.	Error	t value	Pr(> t)
(Intercept)	0.649		0.336	1.933	0.054
Age	0.003		0.004	0.697	0.486
GenderMale	-0.017		0.130	-0.128	0.899
Prior_Spine_SurgeryYes	0.133		0.097	1.379	0.168
ASA_classification	-0.009		0.097	-0.095	0.924
BMI_First_Visit	0.024		0.010	2.350	0.019
SiteBOR Op	0.003		0.138	0.021	0.983
SiteIST Op	-0.676		0.497	-1.360	0.174
SiteMAD Op	0.029		0.218	0.133	0.894
SiteZUR Op	-0.158		0.124	-1.275	0.203
'5y_vs_2y_effect'	-0.686		0.357	-1.919	0.055
Age: '5y_vs_2y_effect'	0.001		0.004	0.141	0.888
<pre>GenderMale: '5y_vs_2y_effect'</pre>	-0.020		0.141	-0.145	0.885
<pre>Prior_Spine_SurgeryYes:'5y_vs_2y_effect'</pre>	-0.156		0.108	-1.443	0.149
ASA_classification:'5y_vs_2y_effect'	-0.008		0.104	-0.073	0.942
BMI_First_Visit:'5y_vs_2y_effect'	-0.022		0.011	-1.930	0.054
SiteBOR Op: '5y_vs_2y_effect'	-0.031		0.148	-0.211	0.833

```
SiteIST Op: '5y_vs_2y_effect'
                                            0.782
                                                       0.545 1.435
                                                                        0.152
                                                                        0.831
SiteMAD Op: '5y_vs_2y_effect'
                                           -0.049
                                                       0.230 -0.214
                                            0.110
                                                       0.136 0.811
                                                                        0.418
SiteZUR Op: '5y_vs_2y_effect'
                                                Estimate Std. Error t value
(Intercept)
                                                   1.314
                                                              0.217
                                                                      6.050
                                                   0.003
                                                              0.002 1.697
Age
GenderMale
                                                  -0.018
                                                              0.056 -0.327
Prior_Spine_SurgeryYes
                                                   0.006
                                                              0.047 0.135
ASA_classification
                                                  -0.006
                                                              0.038 -0.165
BMI_First_Visit
                                                   0.008
                                                              0.005 1.531
SiteBOR Op
                                                  -0.048
                                                              0.056 -0.857
                                                              0.232 -0.223
SiteIST Op
                                                  -0.052
                                                              0.074 -0.555
SiteMAD Op
                                                  -0.041
SiteZUR Op
                                                  -0.095
                                                              0.056 -1.688
Global_Tilt
                                                  -0.001
                                                              0.003 -0.230
Static_Major_curve_Cobb_angle
                                                              0.002 -1.486
                                                  -0.003
'5y_vs_2y_effect'
                                                  -1.458
                                                              0.172 -8.493
                                                              0.004 0.098
Global_Tilt:'5y_vs_2y_effect'
                                                   0.000
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                   0.004
                                                              0.003 1.401
                                                Pr(>|t|)
                                                   0.000
(Intercept)
                                                   0.090
Age
GenderMale
                                                   0.744
Prior_Spine_SurgeryYes
                                                   0.893
ASA_classification
                                                   0.869
BMI_First_Visit
                                                   0.126
SiteBOR Op
                                                   0.392
SiteIST Op
                                                   0.824
SiteMAD Op
                                                   0.579
SiteZUR Op
                                                   0.092
Global_Tilt
                                                   0.818
Static_Major_curve_Cobb_angle
                                                   0.138
'5y_vs_2y_effect'
                                                   0.000
Global_Tilt:'5y_vs_2y_effect'
                                                   0.922
Static_Major_curve_Cobb_angle: '5y_vs_2y_effect'
                                                   0.162
```