

Clusters Descriptives

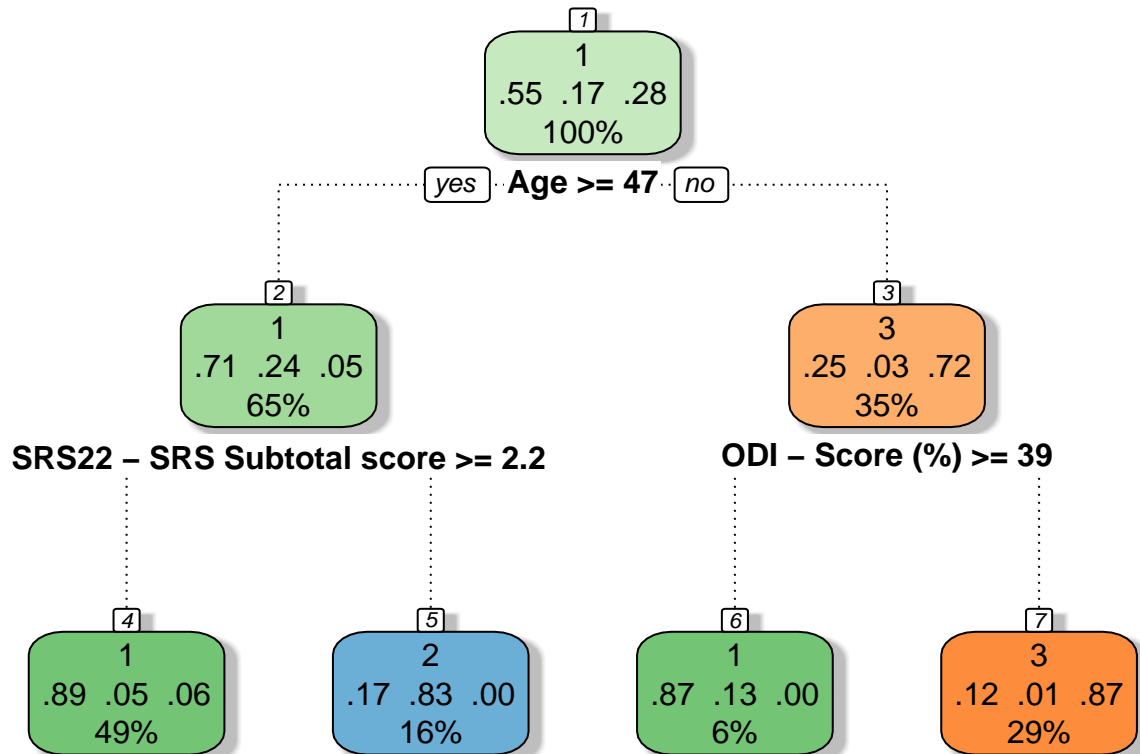
\$vars

```
[1] "Weight (kgs)_First Visit"      "Age"
[3] "Sagittal Balance"             "Coronal Balance (C7PL to CSVL)"
[5] "Static Major curve Cobb angle" "Pelvic Tilt"
[7] "ODI - Score (%)"              "SRS22 - Function / Activity"
[9] "SRS22 - Mental health"         "SRS22 - Pain"
[11] "SRS22 - Self image / Appearance" "SRS22 - SRS Subtotal score"
```

Initial Patients: 372

Number of patients

	cluster	N
1:	1	205
2:	2	63
3:	3	104



Rattle 2022-Jan-28 19:07:03 aleixrvr

Statistics

ODI

ODI stats overall

	mean	sd
1:	37.26197	19.77577

ODI stats by cluster

	cluster	mean	sd
1:	1	40.27363	14.03138
2:	2	61.84483	11.19649
3:	3	16.10417	11.27314

3CO: all vs each cluster

	cluster	p.val
1:	1	0.941170797
2:	2	0.009524567
3:	3	0.012853253

Pelvic fixation: all vs each cluster

	cluster	p.val
1:	1	7.675105e-02
2:	2	4.514302e-04
3:	3	4.518601e-09

Demographics

	variable	All.mean	All.sd	1.mean	1.sd
Age	Age	52.42	19.39	60.46	14.87
Height (cm)_First Visit	Height (cm)_First Visit	163.08	9.41	162.49	8.29
Weight (kgs)_First Visit	Weight (kgs)_First Visit	65.62	13.01	65.10	11.64
BMI_First Visit	BMI_First Visit	24.69	4.57	24.66	4.15
	2.mean 2.sd 3.mean 3.sd p.val_1.2 p.val_1.3				
Age	63.22 10.37 30.03 12.07 0.1000 0.0000				
Height (cm)_First Visit	161.35 10.24 165.28 10.59 0.4221 0.0202				
Weight (kgs)_First Visit	72.59 11.91 62.41 14.67 0.0000 0.1051				
BMI_First Visit	27.98 4.61 22.75 4.25 0.0000 0.0002				
	p.val_1.all p.val_1.vs_the_rest p.val_2.3 p.val_2.all				
Age	0.0000 0.0000 0.0000 0.0000				
Height (cm)_First Visit	0.4387 0.1946 0.0191 0.2137				
Weight (kgs)_First Visit	0.6263 0.4100 0.0000 0.0001				
BMI_First Visit	0.9446 0.9053 0.0000 0.0000				
	p.val_2.vs_the_rest p.val_3.all p.val_3.vs_the_rest				
Age	0.0000 0.0000 0.0000				
Height (cm)_First Visit	0.1386 0.0570 0.0098				
Weight (kgs)_First Visit	0.0000 0.0452 0.0065				

BMI_First Visit		0.0000	0.0001	0.0000
	p.val_all			
Age		0.0000		
Height (cm)_First Visit		0.0131		
Weight (kgs)_First Visit		0.0000		
BMI_First Visit		0.0000		

```
$Gender
$Gender$All
$Gender$All$table
variable
Female    Male
   291     81
```

```
$Gender$All$proportion
variable
   Female      Male
0.7822581 0.2177419
```

```
$Gender$'1'
$Gender$'1'$table
variable
Female    Male
   168     37
```

```
$Gender$'1'$proportion
variable
   Female      Male
0.8195122 0.1804878
```

```
$Gender$'2'
$Gender$'2'$table
variable
Female    Male
    49     14
```

```
$Gender$'2'$proportion
variable
   Female      Male
0.7777778 0.2222222
```

```
$Gender$'3'
$Gender$'3'$table
variable
Female    Male
    74     30
```

```
$Gender$'3'$proportion
variable
   Female      Male
0.7115385 0.2884615
```

\$'Prior Spine Surgery'
 \$'Prior Spine Surgery'\$All
 \$'Prior Spine Surgery'\$All\$table
 variable
 No Yes
 255 117

\$'Prior Spine Surgery'\$All\$proportion
 variable
 No Yes
 0.6854839 0.3145161

\$'Prior Spine Surgery'\$'1'
 \$'Prior Spine Surgery'\$'1'\$table
 variable
 No Yes
 139 66

\$'Prior Spine Surgery'\$'1'\$proportion
 variable
 No Yes
 0.6780488 0.3219512

\$'Prior Spine Surgery'\$'2'
 \$'Prior Spine Surgery'\$'2'\$table
 variable
 No Yes
 29 34

\$'Prior Spine Surgery'\$'2'\$proportion
 variable
 No Yes
 0.4603175 0.5396825

\$'Prior Spine Surgery'\$'3'
 \$'Prior Spine Surgery'\$'3'\$table
 variable
 No Yes
 87 17

\$'Prior Spine Surgery'\$'3'\$proportion
 variable
 No Yes
 0.8365385 0.1634615

\$'ASA classification'

```

$'ASA classification'$All
$'ASA classification'$All$table
variable
  1  2  3
112 203  57

```

```

$'ASA classification'$All$proportion
variable
      1      2      3
0.3010753 0.5456989 0.1532258

```

```

$'ASA classification'$'1'
$'ASA classification'$'1'$table
variable
  1  2  3
39 129 37

```

```

$'ASA classification'$'1'$proportion
variable
      1      2      3
0.1902439 0.6292683 0.1804878

```

```

$'ASA classification'$'2'
$'ASA classification'$'2'$table
variable
  1  2  3
7 40 16

```

```

$'ASA classification'$'2'$proportion
variable
      1      2      3
0.1111111 0.6349206 0.2539683

```

```

$'ASA classification'$'3'
$'ASA classification'$'3'$table
variable
  1  2  3
66 34  4

```

```

$'ASA classification'$'3'$proportion
variable
      1      2      3
0.63461538 0.32692308 0.03846154

```

```

$'Tobacco use_First Visit'
$'Tobacco use_First Visit'$All
$'Tobacco use_First Visit'$All$table
variable
  Current      Ex Non-User

```

	74	67	231
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\$'Tobacco use_First Visit'\$All\$proportion
 variable
 Current Ex Non-User
 0.1989247 0.1801075 0.6209677

\$'Tobacco use_First Visit'\$'1'
 \$'Tobacco use_First Visit'\$'1'\$table
 variable
 Current Ex Non-User
 40 43 122

\$'Tobacco use_First Visit'\$'1'\$proportion
 variable
 Current Ex Non-User
 0.1951220 0.2097561 0.5951220

\$'Tobacco use_First Visit'\$'2'
 \$'Tobacco use_First Visit'\$'2'\$table
 variable
 Current Ex Non-User
 14 7 42

\$'Tobacco use_First Visit'\$'2'\$proportion
 variable
 Current Ex Non-User
 0.2222222 0.1111111 0.6666667

\$'Tobacco use_First Visit'\$'3'
 \$'Tobacco use_First Visit'\$'3'\$table
 variable
 Current Ex Non-User
 20 17 67

\$'Tobacco use_First Visit'\$'3'\$proportion
 variable
 Current Ex Non-User
 0.1923077 0.1634615 0.6442308

\$'ESSG Diagnosis'
 \$'ESSG Diagnosis'\$All
 \$'ESSG Diagnosis'\$All\$table
 variable

	Congenital	Degenerative
	10	132
	Failed-back	Idiopathic
	20	166
	Neuromuscular	Other: Ankylosing spondylitis

	5		1
Other: hyperkyphosis		Other: radiotherapy induced	
	1		1
Other: spondylolisthesis		Post-traumatic	
	1		15
Scheuermann		Syndromic	
	15		5

\$'ESSG Diagnosis'\$All\$proportion
variable

	Congenital		Degenerative
	0.026881720		0.354838710
	Failed-back		Idiopathic
	0.053763441		0.446236559
Neuromuscular		Other: Ankylosing spondylitis	
	0.013440860		0.002688172
Other: hyperkyphosis		Other: radiotherapy induced	
	0.002688172		0.002688172
Other: spondylolisthesis		Post-traumatic	
	0.002688172		0.040322581
Scheuermann		Syndromic	
	0.040322581		0.013440860

\$'ESSG Diagnosis'\$'1'
\$'ESSG Diagnosis'\$'1'\$table
variable

	Congenital		Degenerative
	1		96
	Failed-back		Idiopathic
	12		78
Neuromuscular		Other: Ankylosing spondylitis	
	2		1
Other: hyperkyphosis		Other: spondylolisthesis	
	1		1
Post-traumatic		Scheuermann	
	7		4
Syndromic			
	2		

\$'ESSG Diagnosis'\$'1'\$proportion
variable

	Congenital		Degenerative
	0.004878049		0.468292683
	Failed-back		Idiopathic
	0.058536585		0.380487805
Neuromuscular		Other: Ankylosing spondylitis	
	0.009756098		0.004878049
Other: hyperkyphosis		Other: spondylolisthesis	
	0.004878049		0.004878049
Post-traumatic		Scheuermann	
	0.034146341		0.019512195
Syndromic			
	0.009756098		

```

$'ESSG Diagnosis'$'2'
$'ESSG Diagnosis'$'2'$table
variable
    Congenital    Degenerative    Failed-back    Idiopathic    Neuromuscular
          2          35          7          10          2
Post-traumatic    Scheuermann
          6          1

```

```

$'ESSG Diagnosis'$'2'$proportion
variable
    Congenital    Degenerative    Failed-back    Idiopathic    Neuromuscular
    0.03174603    0.55555556    0.11111111    0.15873016    0.03174603
Post-traumatic    Scheuermann
    0.09523810    0.01587302

```

```

$'ESSG Diagnosis'$'3'
$'ESSG Diagnosis'$'3'$table
variable
    Congenital    Degenerative
          7          1
    Failed-back    Idiopathic
          1          78
    Neuromuscular Other: radiotherapy induced
          1          1
    Post-traumatic    Scheuermann
          2          10
    Syndromic
          3

```

```

$'ESSG Diagnosis'$'3'$proportion
variable
    Congenital    Degenerative
    0.067307692    0.009615385
    Failed-back    Idiopathic
    0.009615385    0.750000000
    Neuromuscular Other: radiotherapy induced
    0.009615385    0.009615385
    Post-traumatic    Scheuermann
    0.019230769    0.096153846
    Syndromic
    0.028846154

```

```

$'Surgical Approach'
$'Surgical Approach'$All
$'Surgical Approach'$All$table
variable
    Anterior    Anterior-Posterior
          1          4
    Posterior    Posterior-Anterior

```


	352	11
Posterior-Posterior	Posterior-Posterior	Anterior
	3	1

'\$Surgical Approach'\$All\$proportion
 variable

	Anterior	Anterior-Posterior
	0.002688172	0.010752688
	Posterior	Posterior-Anterior
	0.946236559	0.029569892
Posterior-Posterior	Posterior-Posterior	Anterior
	0.008064516	0.002688172

'\$Surgical Approach'\$'1'
 '\$Surgical Approach'\$'1'\$table
 variable

	Anterior	Anterior-Posterior	Posterior	Posterior-Anterior
	1	2	196	4
Posterior-Posterior				
	2			

'\$Surgical Approach'\$'1'\$proportion
 variable

	Anterior	Anterior-Posterior	Posterior	Posterior-Anterior
	0.004878049	0.009756098	0.956097561	0.019512195
Posterior-Posterior				
	0.009756098			

'\$Surgical Approach'\$'2'
 '\$Surgical Approach'\$'2'\$table
 variable

	Posterior	Posterior-Anterior
	56	7

'\$Surgical Approach'\$'2'\$proportion
 variable

	Posterior	Posterior-Anterior
	0.8888889	0.1111111

'\$Surgical Approach'\$'3'
 '\$Surgical Approach'\$'3'\$table
 variable

	Anterior-Posterior	Posterior
	2	100
Posterior-Posterior	Posterior-Posterior	Anterior
	1	1

'\$Surgical Approach'\$'3'\$proportion
 variable

	Anterior-Posterior	Posterior
	0.019230769	0.961538462

Posterior-Posterior Posterior-Posterior-Anterior
0.009615385 0.009615385

Radiology

[1] "Static Major curve Cobb angle"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd
Static Major curve Cobb angle	42.46	21.33	37.88	17.91	31.68	20.00
6W. Static Major curve Cobb angle	23.00	16.25	21.64	14.66	15.42	11.56
6M. Static Major curve Cobb angle	23.05	17.22	20.44	14.66	17.86	14.98
1Y. Static Major curve Cobb angle	20.74	16.11	19.98	15.57	13.61	10.38
2Y. Static Major curve Cobb angle	22.52	17.11	20.61	15.01	16.39	13.18
5Y. Static Major curve Cobb angle	25.54	17.29	24.30	15.95	15.43	9.49

	3.mean	3.sd	p.val_1.2	p.val_1.3	p.val_1.all
Static Major curve Cobb angle	58.24	20.02	0.0343	0.0000	0.0081
6W. Static Major curve Cobb angle	29.73	18.82	0.0021	0.0004	0.3431
6M. Static Major curve Cobb angle	30.82	20.23	0.2925	0.0000	0.0816
1Y. Static Major curve Cobb angle	26.41	17.98	0.0006	0.0039	0.6044
2Y. Static Major curve Cobb angle	29.50	20.24	0.0629	0.0006	0.2347
5Y. Static Major curve Cobb angle	35.48	19.38	0.0009	0.0031	0.5953

	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
Static Major curve Cobb angle	0.0000	0	0.0003
6W. Static Major curve Cobb angle	0.1042	0	0.0001
6M. Static Major curve Cobb angle	0.0041	0	0.0321
1Y. Static Major curve Cobb angle	0.3523	0	0.0000
2Y. Static Major curve Cobb angle	0.0527	0	0.0050
5Y. Static Major curve Cobb angle	0.3654	0	0.0000

	p.val_2.vs_the_rest	p.val_3.all
Static Major curve Cobb angle	0.000	0.0000
6W. Static Major curve Cobb angle	0.000	0.0023
6M. Static Major curve Cobb angle	0.013	0.0013
1Y. Static Major curve Cobb angle	0.000	0.0068
2Y. Static Major curve Cobb angle	0.001	0.0049
5Y. Static Major curve Cobb angle	0.000	0.0059

	p.val_3.vs_the_rest	p.val_all
Static Major curve Cobb angle	0e+00	0
6W. Static Major curve Cobb angle	0e+00	0
6M. Static Major curve Cobb angle	0e+00	0
1Y. Static Major curve Cobb angle	2e-04	0
2Y. Static Major curve Cobb angle	1e-04	0
5Y. Static Major curve Cobb angle	3e-04	0

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2: Preop 5Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3: Preop 6W	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4: 6W 2Y	0.5335	0.6962	0.9397	0.7258		
5: 6W 5Y	0.2164	0.9974	0.1254	0.1398		
6: 2Y 5Y	0.0972	0.7108	0.1242	0.0902		

[1] "Coronal Balance (C7PL to CSVL)"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd
Coronal Balance (C7PL to CSVL)	22.49	19.35	21.81	16.82	30.02	29.64
6W. Coronal Balance (C7PL to CSVL)	20.14	15.06	20.72	15.78	21.00	14.80
6M. Coronal Balance (C7PL to CSVL)	18.59	14.71	19.26	14.77	23.15	18.44
1Y. Coronal Balance (C7PL to CSVL)	18.02	13.84	18.41	12.99	21.43	19.15
2Y. Coronal Balance (C7PL to CSVL)	18.12	15.53	18.71	15.11	22.14	19.70
5Y. Coronal Balance (C7PL to CSVL)	20.81	17.32	24.28	19.35	20.21	16.21

	3.mean	3.sd	p.val_1.2	p.val_1.3	p.val_1.all
Coronal Balance (C7PL to CSVL)	19.08	14.20	0.0464	0.1559	0.6746
6W. Coronal Balance (C7PL to CSVL)	18.61	13.91	0.9094	0.2816	0.7087
6M. Coronal Balance (C7PL to CSVL)	14.68	10.88	0.1859	0.0074	0.6543
1Y. Coronal Balance (C7PL to CSVL)	15.27	11.02	0.3103	0.0547	0.7733
2Y. Coronal Balance (C7PL to CSVL)	14.11	11.76	0.2598	0.0161	0.7160
5Y. Coronal Balance (C7PL to CSVL)	14.39	11.26	0.2868	0.0009	0.1949

	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
Coronal Balance (C7PL to CSVL)	0.4857	0.0098	0.0640
6W. Coronal Balance (C7PL to CSVL)	0.4866	0.3487	0.7039
6M. Coronal Balance (C7PL to CSVL)	0.4102	0.0051	0.1091
1Y. Coronal Balance (C7PL to CSVL)	0.6181	0.0456	0.2414
2Y. Coronal Balance (C7PL to CSVL)	0.5238	0.0105	0.1702
5Y. Coronal Balance (C7PL to CSVL)	0.0091	0.1098	0.8604

	p.val_2.vs_the_rest	p.val_3.all
Coronal Balance (C7PL to CSVL)	0.0251	0.0610
6W. Coronal Balance (C7PL to CSVL)	0.6499	0.3761
6M. Coronal Balance (C7PL to CSVL)	0.0555	0.0092
1Y. Coronal Balance (C7PL to CSVL)	0.1578	0.0654
2Y. Coronal Balance (C7PL to CSVL)	0.0887	0.0186
5Y. Coronal Balance (C7PL to CSVL)	0.8307	0.0073

	p.val_3.vs_the_rest	p.val_all
Coronal Balance (C7PL to CSVL)	0.0187	0.0022
6W. Coronal Balance (C7PL to CSVL)	0.2372	0.5238
6M. Coronal Balance (C7PL to CSVL)	0.0009	0.0044
1Y. Coronal Balance (C7PL to CSVL)	0.0173	0.0440
2Y. Coronal Balance (C7PL to CSVL)	0.0029	0.0138
5Y. Coronal Balance (C7PL to CSVL)	0.0009	0.0149

	t0	t1	1	2	3	All
1: Preop 2Y	0.0827	0.0986	0.0150	0.0023		
2: Preop 5Y	0.3334	0.0497	0.0489	0.3511		
3: Preop 6W	0.5375	0.0419	0.8216	0.0873		
4: 6W 2Y	0.2672	0.7386	0.0286	0.1213		
5: 6W 5Y	0.1678	0.8319	0.0775	0.6961		
6: 2Y 5Y	0.0326	0.6396	0.9017	0.1253		

[1] "Sagittal Balance"

All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
----------	--------	--------	------	--------	------	--------	------

Sagittal Balance	41.67	63.02	48.71	60.85	93.82	59.04	-4.12	31.08
6W. Sagittal Balance	18.93	37.88	24.17	37.04	35.93	38.41	-1.75	29.89
6M. Sagittal Balance	16.75	44.68	21.65	43.09	38.57	52.33	-4.90	32.59
1Y. Sagittal Balance	19.20	48.86	23.53	45.94	49.10	54.00	-7.66	36.15
2Y. Sagittal Balance	24.55	49.64	28.22	44.43	60.15	54.87	-6.29	34.07
5Y. Sagittal Balance	34.29	48.85	38.81	50.06	61.98	43.51	5.35	33.89

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
Sagittal Balance	0.0000	0	0.2035	0.0222
6W. Sagittal Balance	0.0528	0	0.1523	0.0101
6M. Sagittal Balance	0.0402	0	0.2559	0.0449
1Y. Sagittal Balance	0.0030	0	0.3543	0.1078
2Y. Sagittal Balance	0.0003	0	0.4552	0.2232
5Y. Sagittal Balance	0.0260	0	0.5191	0.2247

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
Sagittal Balance	0	0.0000	0.0000	0e+00
6W. Sagittal Balance	0	0.0037	0.0005	0e+00
6M. Sagittal Balance	0	0.0067	0.0012	0e+00
1Y. Sagittal Balance	0	0.0004	0.0000	0e+00
2Y. Sagittal Balance	0	0.0000	0.0000	0e+00
5Y. Sagittal Balance	0	0.0050	0.0008	1e-04

	p.val_3.vs_the_rest	p.val_all
Sagittal Balance	0	0
6W. Sagittal Balance	0	0
6M. Sagittal Balance	0	0
1Y. Sagittal Balance	0	0
2Y. Sagittal Balance	0	0
5Y. Sagittal Balance	0	0

	t0	t1	1	2	3	All
1: Preop 2Y	0.0005	0.0022	0.6651	0.0002		
2: Preop 5Y	0.1691	0.0063	0.1393	0.1640		
3: Preop 6W	0.0000	0.0000	0.5995	0.0000		
4: 6W 2Y	0.4029	0.0102	0.3729	0.1367		
5: 6W 5Y	0.0236	0.0113	0.2700	0.0011		
6: 2Y 5Y	0.1241	0.8715	0.0885	0.0573		

[1] "Sagittal T2-T5"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Sagittal T2-T5	11.09	9.83	11.18	9.79	10.67	10.35	11.18	9.67
6W. Sagittal T2-T5	13.65	8.18	13.47	7.77	14.64	9.57	13.40	8.08
6M. Sagittal T2-T5	14.05	9.61	14.07	9.98	13.60	11.43	14.27	7.79
1Y. Sagittal T2-T5	13.92	9.59	12.98	9.33	14.70	11.87	15.22	8.26
2Y. Sagittal T2-T5	14.33	9.94	12.59	9.38	16.11	11.27	16.13	9.58
5Y. Sagittal T2-T5	15.76	11.63	14.93	10.54	17.54	15.18	16.16	11.07
	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest				
Sagittal T2-T5	0.7345	0.9965	0.9186	0.8494				
6W. Sagittal T2-T5	0.4266	0.9472	0.8143	0.6807				
6M. Sagittal T2-T5	0.7934	0.8609	0.9848	0.9714				
1Y. Sagittal T2-T5	0.3417	0.0589	0.3160	0.0717				
2Y. Sagittal T2-T5	0.0498	0.0077	0.0818	0.0031				
5Y. Sagittal T2-T5	0.4150	0.5673	0.5942	0.3671				

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
Sagittal T2-T5	0.7605	0.7687	0.7256	0.9400
6W. Sagittal T2-T5	0.4369	0.4861	0.4035	0.7995
6M. Sagittal T2-T5	0.7124	0.7914	0.7529	0.8263
1Y. Sagittal T2-T5	0.7822	0.6515	0.5834	0.2259
2Y. Sagittal T2-T5	0.9924	0.2954	0.2034	0.1378
5Y. Sagittal T2-T5	0.6893	0.5666	0.4820	0.8409

	p.val_3.vs_the_rest	p.val_all
Sagittal T2-T5	0.9209	0.9352
6W. Sagittal T2-T5	0.7332	0.6332
6M. Sagittal T2-T5	0.7750	0.9245
1Y. Sagittal T2-T5	0.1162	0.1863
2Y. Sagittal T2-T5	0.0431	0.0127
5Y. Sagittal T2-T5	0.7927	0.5889

	t0	t1	1	2	3	All
1: Preop 2Y	0.1871	0.0098	0.0007	0.0001		
2: Preop 5Y	0.0077	0.0391	0.0169	0.0000		
3: Preop 6W	0.0144	0.0372	0.0928	0.0003		
4: 6W 2Y	0.3776	0.4781	0.0464	0.3771		
5: 6W 5Y	0.2775	0.3725	0.1673	0.0525		
6: 2Y 5Y	0.1040	0.6693	0.9864	0.2119		

[1] "Sagittal T5-T12"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Sagittal T5-T12	32.91	18.82	31.43	18.23	32.25	18.30	36.24	20.05
6W. Sagittal T5-T12	33.74	13.83	34.94	13.51	36.00	12.79	30.05	14.48
6M. Sagittal T5-T12	34.66	13.88	35.84	13.64	37.34	13.61	30.99	13.89
1Y. Sagittal T5-T12	35.43	13.85	36.49	13.91	37.85	13.79	31.85	13.24
2Y. Sagittal T5-T12	36.18	15.75	38.61	17.40	37.17	15.11	31.60	12.01
5Y. Sagittal T5-T12	40.10	16.53	41.50	15.90	44.81	15.15	33.92	17.33

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
Sagittal T5-T12	0.7588	0.0464	0.3690	0.1042
6W. Sagittal T5-T12	0.6017	0.0096	0.3588	0.1002
6M. Sagittal T5-T12	0.4915	0.0078	0.3723	0.1098
1Y. Sagittal T5-T12	0.5383	0.0118	0.4364	0.1503
2Y. Sagittal T5-T12	0.5785	0.0004	0.1669	0.0090
5Y. Sagittal T5-T12	0.3310	0.0249	0.5378	0.2763

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
Sagittal T5-T12	0.1970	0.7972	0.7600	0.1398
6W. Sagittal T5-T12	0.0114	0.2365	0.1590	0.0352
6M. Sagittal T5-T12	0.0089	0.1941	0.1243	0.0283
1Y. Sagittal T5-T12	0.0141	0.2471	0.1675	0.0333
2Y. Sagittal T5-T12	0.0273	0.6708	0.6096	0.0049
5Y. Sagittal T5-T12	0.0081	0.1450	0.0791	0.0505

	p.val_3.vs_the_rest	p.val_all
Sagittal T5-T12	0.0477	0.1114
6W. Sagittal T5-T12	0.0045	0.0108
6M. Sagittal T5-T12	0.0029	0.0083
1Y. Sagittal T5-T12	0.0048	0.0173
2Y. Sagittal T5-T12	0.0003	0.0044

5Y. Sagittal T5-T12 0.0096 0.0148

	t0	t1	1	2	3	All
1: Preop	2Y	0.0003	0.1204	0.0545	0.0174	
2: Preop	5Y	0.0000	0.0012	0.4995	0.0000	
3: Preop	6W	0.0364	0.1985	0.0157	0.5127	
4:	6W 2Y	0.0432	0.6677	0.4452	0.0475	
5:	6W 5Y	0.0020	0.0113	0.2281	0.0001	
6:	2Y 5Y	0.2161	0.0362	0.4524	0.0197	

[1] "Sagittal T2-T12"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Sagittal T2-T12	39.93	19.68	38.61	19.46	40.27	19.30	42.32	20.29
6W. Sagittal T2-T12	43.16	15.31	44.43	14.45	46.84	14.87	38.61	16.22
6M. Sagittal T2-T12	44.77	15.26	45.40	14.61	48.90	17.79	41.43	14.35
1Y. Sagittal T2-T12	44.92	15.31	45.55	15.04	47.84	17.38	41.95	14.10
2Y. Sagittal T2-T12	45.64	15.57	45.61	15.46	49.21	17.78	43.46	13.96
5Y. Sagittal T2-T12	49.45	16.87	51.02	15.35	52.61	20.93	44.13	15.89

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
Sagittal T2-T12	0.5546	0.1324	0.4456	0.1623
6W. Sagittal T2-T12	0.3012	0.0050	0.3714	0.1200
6M. Sagittal T2-T12	0.2053	0.0347	0.6610	0.4433
1Y. Sagittal T2-T12	0.3932	0.0636	0.6710	0.4472
2Y. Sagittal T2-T12	0.1970	0.2833	0.9855	0.9748
5Y. Sagittal T2-T12	0.7182	0.0285	0.4847	0.2346

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
Sagittal T2-T12	0.5174	0.8989	0.8797	0.2955
6W. Sagittal T2-T12	0.0024	0.0993	0.0502	0.0191
6M. Sagittal T2-T12	0.0117	0.1226	0.0670	0.0531
1Y. Sagittal T2-T12	0.0401	0.2555	0.1712	0.0933
2Y. Sagittal T2-T12	0.0484	0.1764	0.0989	0.2225
5Y. Sagittal T2-T12	0.0817	0.4641	0.3705	0.0721

	p.val_3.vs_the_rest	p.val_all
Sagittal T2-T12	0.1621	0.3042
6W. Sagittal T2-T12	0.0014	0.0021
6M. Sagittal T2-T12	0.0089	0.0137
1Y. Sagittal T2-T12	0.0262	0.0654
2Y. Sagittal T2-T12	0.1023	0.1077
5Y. Sagittal T2-T12	0.0187	0.0631

	t0	t1	1	2	3	All
1: Preop	2Y	0.0003	0.0107	0.6540	0.0000	
2: Preop	5Y	0.0000	0.0118	0.5795	0.0000	
3: Preop	6W	0.0012	0.0400	0.1639	0.0172	
4:	6W 2Y	0.4947	0.4567	0.0353	0.0527	
5:	6W 5Y	0.0018	0.2077	0.0759	0.0002	
6:	2Y 5Y	0.0138	0.4737	0.8208	0.0245	

[1] "Lordosis (top of L1-S1)"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Lordosis (top of L1-S1)	-43.79	20.39	-40.72	18.67	-32.81	19.24	-56.42	
6W. Lordosis (top of L1-S1)	-51.20	14.22	-50.24	14.13	-49.95	15.56	-53.79	
6M. Lordosis (top of L1-S1)	-50.88	14.30	-49.83	13.62	-46.07	17.04	-55.58	
1Y. Lordosis (top of L1-S1)	-51.16	14.46	-50.04	13.87	-47.19	16.62	-55.87	
2Y. Lordosis (top of L1-S1)	-51.59	15.20	-50.42	15.53	-46.87	16.23	-56.52	
5Y. Lordosis (top of L1-S1)	-50.64	15.97	-48.59	16.16	-49.25	14.85	-55.84	
	3.sd	p.val_1.2	p.val_1.3	p.val_1.all				
Lordosis (top of L1-S1)	18.14	0.0050	0.0000	0.0696				
6W. Lordosis (top of L1-S1)	13.40	0.9016	0.0376	0.4500				
6M. Lordosis (top of L1-S1)	12.64	0.1417	0.0005	0.4107				
1Y. Lordosis (top of L1-S1)	13.11	0.2514	0.0009	0.3932				
2Y. Lordosis (top of L1-S1)	12.56	0.1664	0.0011	0.4529				
5Y. Lordosis (top of L1-S1)	15.57	0.8435	0.0209	0.3600				
	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all					
Lordosis (top of L1-S1)		0.0016	0.0000	0.0001				
6W. Lordosis (top of L1-S1)		0.1580	0.1300	0.5788				
6M. Lordosis (top of L1-S1)		0.1429	0.0006	0.0538				
1Y. Lordosis (top of L1-S1)		0.1246	0.0014	0.0993				
2Y. Lordosis (top of L1-S1)		0.1773	0.0003	0.0514				
5Y. Lordosis (top of L1-S1)		0.0876	0.0839	0.6564				
	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest					
Lordosis (top of L1-S1)		0.0000	0.0000	0.0000				
6W. Lordosis (top of L1-S1)		0.5139	0.0988	0.0285				
6M. Lordosis (top of L1-S1)		0.0226	0.0021	0.0001				
1Y. Lordosis (top of L1-S1)		0.0491	0.0039	0.0002				
2Y. Lordosis (top of L1-S1)		0.0186	0.0026	0.0001				
5Y. Lordosis (top of L1-S1)		0.5918	0.0696	0.0178				
	p.val_all							
Lordosis (top of L1-S1)		0.0000						
6W. Lordosis (top of L1-S1)		0.1032						
6M. Lordosis (top of L1-S1)		0.0001						
1Y. Lordosis (top of L1-S1)		0.0006						
2Y. Lordosis (top of L1-S1)		0.0004						
5Y. Lordosis (top of L1-S1)		0.0574						

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.9617	0.0000		
2: Preop 5Y	0.0005	0.0000	0.8520	0.0001		
3: Preop 6W	0.0000	0.0000	0.2404	0.0000		
4: 6W 2Y	0.9092	0.3172	0.1531	0.7430		
5: 6W 5Y	0.4268	0.8430	0.4707	0.7105		
6: 2Y 5Y	0.4058	0.5085	0.8110	0.5499		

[1] "Pelvic Incidence"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Pelvic Incidence	54.11	13.05	55.27	13.45	55.85	13.73	50.68	11.14
6W. Pelvic Incidence	54.15	12.92	55.41	13.46	56.27	13.25	50.37	10.77
6M. Pelvic Incidence	53.99	12.65	55.20	13.05	54.70	13.44	51.26	10.99
1Y. Pelvic Incidence	53.66	12.57	54.38	12.85	56.59	12.86	50.44	11.22

2Y. Pelvic Incidence	53.75	12.42	54.57	12.79	56.40	13.54	50.67	10.43
5Y. Pelvic Incidence	54.90	12.41	54.49	12.92	58.62	12.57	53.06	10.86
	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest				
Pelvic Incidence	0.7701	0.0018	0.3184	0.0548				
6W. Pelvic Incidence	0.6755	0.0008	0.2941	0.0382				
6M. Pelvic Incidence	0.8098	0.0085	0.3097	0.0502				
1Y. Pelvic Incidence	0.2699	0.0109	0.5478	0.2522				
2Y. Pelvic Incidence	0.3915	0.0121	0.5221	0.2488				
5Y. Pelvic Incidence	0.1437	0.5288	0.8182	0.6624				
	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all				
Pelvic Incidence	0.0134	0.3526	0.2681	0.0091				
6W. Pelvic Incidence	0.0064	0.2765	0.2012	0.0045				
6M. Pelvic Incidence	0.1158	0.7222	0.6754	0.0406				
1Y. Pelvic Incidence	0.0045	0.1240	0.0685	0.0212				
2Y. Pelvic Incidence	0.0095	0.1860	0.1084	0.0232				
5Y. Pelvic Incidence	0.0644	0.1581	0.0877	0.3659				
	p.val_3.vs_the_rest	p.val_all						
Pelvic Incidence	0.0008	0.0075						
6W. Pelvic Incidence	0.0002	0.0033						
6M. Pelvic Incidence	0.0074	0.0430						
1Y. Pelvic Incidence	0.0026	0.0090						
2Y. Pelvic Incidence	0.0028	0.0147						
5Y. Pelvic Incidence	0.2454	0.1774						

	t0	t1	1	2	3	All
1: Preop 2Y	0.6193	0.8289	0.9951	0.7170		
2: Preop 5Y	0.6500	0.3499	0.2533	0.5238		
3: Preop 6W	0.9190	0.8664	0.8408	0.9695		
4: 6W 2Y	0.5583	0.9610	0.8467	0.6936		
5: 6W 5Y	0.5975	0.4341	0.1964	0.5476		
6: 2Y 5Y	0.9634	0.4627	0.2534	0.3628		

[1] "Pelvic Tilt"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
Pelvic Tilt	21.99	10.97	24.33	10.68	27.72	8.21	13.63	8.12	0.0091
6W. Pelvic Tilt	18.18	9.64	19.76	9.47	22.18	8.79	12.62	8.05	0.0822
6M. Pelvic Tilt	19.60	10.05	21.42	9.50	24.40	9.47	13.25	8.40	0.0471
1Y. Pelvic Tilt	19.40	10.25	20.95	10.09	24.32	8.30	13.18	8.80	0.0145
2Y. Pelvic Tilt	19.25	9.43	21.14	8.72	24.20	8.37	12.91	7.93	0.0252
5Y. Pelvic Tilt	21.93	9.91	23.68	8.89	27.04	8.52	14.67	9.04	0.0820
	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest		p.val_2.3	p.val_2.all			
Pelvic Tilt	0	0.0143	0.0000		0	0.0000			
6W. Pelvic Tilt	0	0.0685	0.0006		0	0.0030			
6M. Pelvic Tilt	0	0.0415	0.0002		0	0.0011			
1Y. Pelvic Tilt	0	0.1039	0.0024		0	0.0002			
2Y. Pelvic Tilt	0	0.0386	0.0005		0	0.0002			
5Y. Pelvic Tilt	0	0.1751	0.0208		0	0.0071			
	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest		p.val_all				
Pelvic Tilt	0.0000	0	0		0				
6W. Pelvic Tilt	0.0006	0	0		0				
6M. Pelvic Tilt	0.0001	0	0		0				

1Y. Pelvic Tilt	0.0000	0	0	0
2Y. Pelvic Tilt	0.0000	0	0	0
5Y. Pelvic Tilt	0.0013	0	0	0

	t0	t1	1	2	3	All
1: Preop	2Y	0.0024	0.0242	0.5468	0.0007	
2: Preop	5Y	0.6063	0.7262	0.5340	0.9521	
3: Preop	6W	0.0000	0.0007	0.3909	0.0000	
4:	6W 2Y	0.1656	0.2242	0.8084	0.1633	
5:	6W 5Y	0.0014	0.0186	0.2261	0.0001	
6:	2Y 5Y	0.0398	0.1555	0.3011	0.0072	

[1] "Sacral Slope"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Sacral Slope	32.56	11.12	31.61	11.17	28.08	11.06	37.22	9.39
6W. Sacral Slope	35.90	10.13	35.54	10.05	34.00	12.20	37.66	8.79
6M. Sacral Slope	34.37	10.03	33.59	10.17	30.28	10.78	38.16	7.97
1Y. Sacral Slope	34.30	9.66	33.33	9.55	32.28	9.93	37.47	9.05
2Y. Sacral Slope	34.58	10.38	33.57	10.26	32.18	11.37	37.83	9.23
5Y. Sacral Slope	32.97	10.72	30.80	10.52	31.58	10.66	38.42	9.40
	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3			
Sacral Slope	0.0298	0.0000	0.3286		0.0679	0.0000		
6W. Sacral Slope	0.3953	0.0681	0.7005		0.4729	0.0553		
6M. Sacral Slope	0.0497	0.0001	0.4031		0.1135	0.0000		
1Y. Sacral Slope	0.4930	0.0007	0.2809		0.0460	0.0021		
2Y. Sacral Slope	0.4327	0.0013	0.3319		0.0890	0.0028		
5Y. Sacral Slope	0.7421	0.0001	0.1428		0.0069	0.0088		
	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all					
Sacral Slope	0.0039		0.0006	0.0000				
6W. Sacral Slope	0.2811		0.2030	0.0948				
6M. Sacral Slope	0.0119		0.0032	0.0002				
1Y. Sacral Slope	0.1673		0.1008	0.0044				
2Y. Sacral Slope	0.1534		0.0830	0.0061				
5Y. Sacral Slope	0.5300		0.4469	0.0027				
	p.val_3.vs_the_rest	p.val_all						
Sacral Slope		0.0000	0.0000					
6W. Sacral Slope		0.0296	0.0800					
6M. Sacral Slope		0.0000	0.0000					
1Y. Sacral Slope		0.0002	0.0009					
2Y. Sacral Slope		0.0003	0.0016					
5Y. Sacral Slope		0.0001	0.0008					

	t0	t1	1	2	3	All
1: Preop	2Y	0.0905	0.0520	0.6573	0.0172	
2: Preop	5Y	0.5706	0.1598	0.5022	0.7005	
3: Preop	6W	0.0003	0.0075	0.7352	0.0000	
4:	6W 2Y	0.0765	0.4246	0.9005	0.1096	
5:	6W 5Y	0.0008	0.3578	0.6675	0.0053	
6:	2Y 5Y	0.0583	0.8143	0.7453	0.1360	

[1] "RLL"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
RLL	-18.81	20.26	-22.55	18.10	-30.81	18.11	-3.79	17.01	0.0021
6W. RLL	-11.30	13.07	-13.11	13.09	-13.94	12.33	-6.08	12.08	0.6671
6M. RLL	-11.56	13.38	-13.32	12.36	-16.63	15.43	-5.33	11.87	0.1557
1Y. RLL	-11.22	13.90	-12.67	13.41	-17.05	14.32	-4.54	12.13	0.0493
2Y. RLL	-10.54	14.13	-12.03	14.26	-17.09	13.93	-3.85	11.20	0.0252
5Y. RLL	-12.40	14.34	-14.20	13.96	-16.10	12.46	-6.05	14.70	0.5044

	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
RLL	0.0000	0.0238		0.0001	0.0000
6W. RLL	0.0000	0.1288		0.0037	0.1518
6M. RLL	0.0000	0.1337		0.0085	0.0271
1Y. RLL	0.0000	0.2530		0.0365	0.0070
2Y. RLL	0.0000	0.3004		0.0653	0.0022
5Y. RLL	0.0052	0.3595		0.0979	0.1679

	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest	p.val_all
RLL	0.0000	0.0000	0.0000	0.000
6W. RLL	0.0936	0.0004	0.0000	0.000
6M. RLL	0.0092	0.0000	0.0000	0.000
1Y. RLL	0.0014	0.0000	0.0000	0.000
2Y. RLL	0.0002	0.0000	0.0000	0.000
5Y. RLL	0.0987	0.0191	0.0021	0.004

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.9746	0.0000		
2: Preop 5Y	0.0001	0.0000	0.4366	0.0001		
3: Preop 6W	0.0000	0.0000	0.2780	0.0000		
4: 6W 2Y	0.4740	0.2156	0.2026	0.4850		
5: 6W 5Y	0.5519	0.4589	0.9925	0.4275		
6: 2Y 5Y	0.2677	0.7428	0.4089	0.1988		

[1] "Global Tilt"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Global Tilt	26.29	17.73	29.71	17.30	38.32	13.42	11.31	9.61
6W. Global Tilt	18.64	12.13	20.99	11.97	24.07	10.77	10.61	9.09
6M. Global Tilt	20.43	13.71	22.97	12.99	27.11	13.29	11.47	10.73
1Y. Global Tilt	20.75	13.96	22.46	13.99	28.51	11.62	11.81	10.48
2Y. Global Tilt	20.89	13.98	23.74	12.28	29.75	12.90	10.58	11.00
5Y. Global Tilt	24.89	14.93	27.22	14.37	33.16	12.33	14.17	11.80

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3
Global Tilt	0.0001	0	0.0293		0.0001
6W. Global Tilt	0.0843	0	0.0452		0.0002
6M. Global Tilt	0.0547	0	0.0502		0.0005
1Y. Global Tilt	0.0027	0	0.2155		0.0185
2Y. Global Tilt	0.0048	0	0.0367		0.0007
5Y. Global Tilt	0.0405	0	0.2509		0.0391

	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest
Global Tilt	0.0000	0e+00	0	0
6W. Global Tilt	0.0015	2e-04	0	0

6M. Global Tilt	0.0015	2e-04	0	0
1Y. Global Tilt	0.0001	0e+00	0	0
2Y. Global Tilt	0.0000	0e+00	0	0
5Y. Global Tilt	0.0030	4e-04	0	0

	p.val_all
Global Tilt	0
6W. Global Tilt	0
6M. Global Tilt	0
1Y. Global Tilt	0
2Y. Global Tilt	0
5Y. Global Tilt	0

	t0	t1	1	2	3	All
1: Preop	2Y	0.0003	0.0007	0.6427	0.0000	
2: Preop	5Y	0.2226	0.0794	0.1859	0.3675	
3: Preop	6W	0.0000	0.0000	0.6185	0.0000	
4:	6W 2Y	0.0528	0.0165	0.9862	0.0418	
5:	6W 5Y	0.0011	0.0019	0.1012	0.0000	
6:	2Y 5Y	0.0721	0.2500	0.1151	0.0080	

[1] "T1 Sagittal Tilt"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
T1 Sagittal Tilt	-1.86	6.15	-1.64	6.10	2.22	6.77	-4.83	3.91
6W. T1 Sagittal Tilt	-3.59	4.01	-3.35	4.11	-3.37	4.19	-4.20	3.65
6M. T1 Sagittal Tilt	-4.12	4.30	-4.12	4.34	-2.52	5.26	-5.03	3.29
1Y. T1 Sagittal Tilt	-3.88	5.00	-3.93	5.05	-2.11	5.36	-4.97	4.33
2Y. T1 Sagittal Tilt	-3.63	4.47	-3.44	4.43	-1.39	5.60	-5.24	3.01
5Y. T1 Sagittal Tilt	-2.75	4.89	-2.84	5.49	-0.99	4.43	-3.87	3.36
	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest				
T1 Sagittal Tilt	0.0002	0.0000	0.7062	0.4938				
6W. T1 Sagittal Tilt	0.9776	0.1143	0.5625	0.2665				
6M. T1 Sagittal Tilt	0.0630	0.0698	0.9935	0.9879				
1Y. T1 Sagittal Tilt	0.0427	0.1176	0.9254	0.8584				
2Y. T1 Sagittal Tilt	0.0305	0.0005	0.6890	0.4744				
5Y. T1 Sagittal Tilt	0.0811	0.2096	0.9093	0.8153				
	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all				
T1 Sagittal Tilt	0.0000	0.0001	0.0000	0.0000				
6W. T1 Sagittal Tilt	0.2714	0.7441	0.6989	0.2091				
6M. T1 Sagittal Tilt	0.0043	0.0531	0.0217	0.0407				
1Y. T1 Sagittal Tilt	0.0030	0.0387	0.0136	0.0727				
2Y. T1 Sagittal Tilt	0.0001	0.0148	0.0037	0.0003				
5Y. T1 Sagittal Tilt	0.0059	0.0656	0.0270	0.1027				
	p.val_3.vs_the_rest	p.val_all						
T1 Sagittal Tilt	0.0000	0.0000						
6W. T1 Sagittal Tilt	0.1005	0.2959						
6M. T1 Sagittal Tilt	0.0087	0.0057						
1Y. T1 Sagittal Tilt	0.0218	0.0093						
2Y. T1 Sagittal Tilt	0.0000	0.0000						
5Y. T1 Sagittal Tilt	0.0447	0.0584						

	t0	t1	1	2	3	All
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1: Preop 2Y 0.0029 0.0042 0.4455 0.0001
2: Preop 5Y 0.1223 0.0106 0.1630 0.0932
3: Preop 6W 0.0030 0.0000 0.2863 0.0000
4:   6W 2Y 0.8571 0.0631 0.0584 0.9135
5:   6W 5Y 0.4656 0.0269 0.6327 0.0780
6:   2Y 5Y 0.4051 0.7404 0.0372 0.0758

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[1] "Thoracolumbar L2-T10"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
Thoracolumbar L2-T10	10.03	20.48	10.75	20.57	12.01	19.20	7.38	21.02
6W. Thoracolumbar L2-T10	4.91	12.50	6.15	12.72	7.37	10.07	1.17	12.67
6M. Thoracolumbar L2-T10	5.08	12.15	6.75	11.21	6.98	9.83	0.58	14.05
1Y. Thoracolumbar L2-T10	5.27	12.67	7.60	11.91	7.36	11.02	-0.40	13.31
2Y. Thoracolumbar L2-T10	6.07	12.79	7.70	12.82	8.45	11.79	1.76	12.43
5Y. Thoracolumbar L2-T10	7.26	14.64	8.98	14.19	10.45	12.40	1.49	15.74
	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest				
Thoracolumbar L2-T10	0.6594	0.1930	0.6943	0.4685				
6W. Thoracolumbar L2-T10	0.4764	0.0032	0.3107	0.0594				
6M. Thoracolumbar L2-T10	0.8864	0.0007	0.1357	0.0086				
1Y. Thoracolumbar L2-T10	0.8940	0.0000	0.0523	0.0006				
2Y. Thoracolumbar L2-T10	0.7050	0.0008	0.2195	0.0299				
5Y. Thoracolumbar L2-T10	0.6059	0.0144	0.3923	0.1257				
	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all				
Thoracolumbar L2-T10	0.1531	0.4591	0.3788	0.2669				
6W. Thoracolumbar L2-T10	0.0017	0.1203	0.0693	0.0152				
6M. Thoracolumbar L2-T10	0.0025	0.2253	0.1572	0.0089				
1Y. Thoracolumbar L2-T10	0.0004	0.2291	0.1571	0.0007				
2Y. Thoracolumbar L2-T10	0.0022	0.1916	0.1162	0.0071				
5Y. Thoracolumbar L2-T10	0.0114	0.2332	0.1537	0.0435				
	p.val_3.vs_the_rest	p.val_all						
Thoracolumbar L2-T10		0.1370	0.2903					
6W. Thoracolumbar L2-T10		0.0010	0.0028					
6M. Thoracolumbar L2-T10		0.0004	0.0003					
1Y. Thoracolumbar L2-T10		0.0000	0.0000					
2Y. Thoracolumbar L2-T10		0.0003	0.0011					
5Y. Thoracolumbar L2-T10		0.0075	0.0134					

	t0	t1	1	2	3	All
1: Preop 2Y	0.0983	0.2274	0.0271	0.0032		
2: Preop 5Y	0.4179	0.6460	0.0766	0.0907		
3: Preop 6W	0.0103	0.1018	0.0141	0.0001		
4: 6W 2Y	0.2899	0.6175	0.7588	0.2713		
5: 6W 5Y	0.1338	0.2645	0.9114	0.0955		
6: 2Y 5Y	0.5090	0.4860	0.9249	0.4062		

[1] "RSA"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
RSA	15.26	15.41	18.19	14.95	26.40	11.11	1.87	8.01	0.0000

6W. RSA	7.59	9.53	9.35	9.14	12.02	8.99	1.38	7.47	0.0668
6M. RSA	9.46	10.88	11.41	9.96	15.62	10.56	1.94	8.62	0.0140
1Y. RSA	9.81	11.07	11.27	10.82	16.16	9.23	2.34	8.57	0.0021
2Y. RSA	10.09	11.67	12.40	9.72	17.87	11.23	1.34	9.48	0.0027
5Y. RSA	13.54	12.84	16.07	12.10	20.03	10.37	3.70	10.41	0.1024

	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
RSA	0	0.0311	0.0001	0	0.0000
6W. RSA	0	0.0530	0.0005	0	0.0018
6M. RSA	0	0.0524	0.0007	0	0.0003
1Y. RSA	0	0.1737	0.0113	0	0.0000
2Y. RSA	0	0.0356	0.0010	0	0.0000
5Y. RSA	0	0.1428	0.0091	0	0.0056

	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest	p.val_all
RSA	0e+00	0	0	0
6W. RSA	2e-04	0	0	0
6M. RSA	0e+00	0	0	0
1Y. RSA	0e+00	0	0	0
2Y. RSA	0e+00	0	0	0
5Y. RSA	1e-03	0	0	0

	t0	t1	1	2	3	All
1: Preop	2Y	0.0000	0.0001	0.6917	0.0000	
2: Preop	5Y	0.2221	0.0108	0.3290	0.2017	
3: Preop	6W	0.0000	0.0000	0.6733	0.0000	
4:	6W 2Y	0.0059	0.0042	0.9771	0.0058	
5:	6W 5Y	0.0000	0.0012	0.2162	0.0000	
6:	2Y 5Y	0.0226	0.3920	0.2344	0.0072	

[1] "RPV"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2	p.val_1.3
RPV	-8.42	9.15	-10.11	8.94	-13.87	6.63	-1.67	6.86	0.0005	0
6W. RPV	-5.03	7.61	-6.15	7.18	-8.20	8.06	-0.94	6.56	0.0940	0
6M. RPV	-6.49	7.91	-7.98	7.33	-10.99	7.54	-1.09	6.24	0.0117	0
1Y. RPV	-6.39	7.94	-7.75	7.63	-10.10	6.42	-1.35	7.02	0.0266	0
2Y. RPV	-6.14	7.76	-7.64	7.08	-10.10	7.03	-1.07	6.79	0.0305	0
5Y. RPV	-8.42	8.24	-10.34	7.19	-12.01	7.16	-1.89	7.49	0.2952	0

	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
RPV	0.0339	0.0001	0	0.0000
6W. RPV	0.0940	0.0024	0	0.0086
6M. RPV	0.0322	0.0001	0	0.0001
1Y. RPV	0.0600	0.0006	0	0.0003
2Y. RPV	0.0435	0.0007	0	0.0004
5Y. RPV	0.0688	0.0021	0	0.0223

	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest	p.val_all
RPV	0.0000	0	0	0
6W. RPV	0.0021	0	0	0
6M. RPV	0.0000	0	0	0
1Y. RPV	0.0000	0	0	0
2Y. RPV	0.0000	0	0	0
5Y. RPV	0.0064	0	0	0

	t0	t1	1	2	3	All
1: Preop	2Y	0.0042	0.0037	0.5505	0.0006	
2: Preop	5Y	0.8161	0.2486	0.8743	0.9929	
3: Preop	6W	0.0000	0.0001	0.4539	0.0000	
4:	6W 2Y	0.0561	0.1961	0.9021	0.0718	
5:	6W 5Y	0.0000	0.0328	0.4970	0.0000	
6:	2Y 5Y	0.0071	0.2538	0.5624	0.0059	

Quality of Life

[1] "ODI - Score (%)"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
ODI - Score (%)	37.26	19.78	40.27	14.03	61.84	11.20	16.10	11.27
6M. ODI - Score (%)	28.30	17.97	28.22	15.98	45.19	18.30	17.78	13.04
1Y. ODI - Score (%)	25.72	18.07	26.46	16.30	44.66	15.57	12.83	10.94
2Y. ODI - Score (%)	27.53	21.27	28.07	19.36	50.35	19.33	12.76	11.29
5Y. ODI - Score (%)	28.33	21.38	29.38	20.03	49.02	19.14	12.18	10.78

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
ODI - Score (%)	0	0	0.0373	0.0022
6M. ODI - Score (%)	0	0	0.9564	0.9258
1Y. ODI - Score (%)	0	0	0.6324	0.4113
2Y. ODI - Score (%)	0	0	0.7654	0.6072
5Y. ODI - Score (%)	0	0	0.6203	0.3586

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
ODI - Score (%)	0	0	0	0
6M. ODI - Score (%)	0	0	0	0
1Y. ODI - Score (%)	0	0	0	0
2Y. ODI - Score (%)	0	0	0	0
5Y. ODI - Score (%)	0	0	0	0

	p.val_3.vs_the_rest	p.val_all
ODI - Score (%)	0	0
6M. ODI - Score (%)	0	0
1Y. ODI - Score (%)	0	0
2Y. ODI - Score (%)	0	0
5Y. ODI - Score (%)	0	0

	t0	t1	1	2	3	All
1: Preop	2Y	0.0000	0.0002	0.0418	0.0000	
2: Preop	5Y	0.0000	0.0003	0.0307	0.0000	
3: Preop	6M	0.0000	0.0000	0.3518	0.0000	
4:	6M 2Y	0.9373	0.1463	0.0058	0.6108	
5:	6M 5Y	0.5634	0.3259	0.0047	0.9874	
6:	2Y 5Y	0.5455	0.7388	0.7490	0.6538	

[1] "SRS22 - Function / Activity"

All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean
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SRS22 - Function / Activity	3.09	0.87	2.94	0.55	2.11	0.52	4.01
6M. SRS22 - Function / Activity	3.26	0.82	3.19	0.66	2.59	0.73	3.81
1Y. SRS22 - Function / Activity	3.40	0.89	3.30	0.73	2.59	0.77	4.10
2Y. SRS22 - Function / Activity	3.48	0.93	3.33	0.75	2.63	0.85	4.27
5Y. SRS22 - Function / Activity	3.50	0.91	3.45	0.76	2.67	0.88	4.16
	3.sd	p.val_1.2	p.val_1.3	p.val_1.all			
SRS22 - Function / Activity	0.70	0	0	0.0114			
6M. SRS22 - Function / Activity	0.79	0	0	0.2779			
1Y. SRS22 - Function / Activity	0.73	0	0	0.1469			
2Y. SRS22 - Function / Activity	0.66	0	0	0.0494			
5Y. SRS22 - Function / Activity	0.78	0	0	0.5354			
	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all				
SRS22 - Function / Activity	0.0005	0	0				
6M. SRS22 - Function / Activity	0.0868	0	0				
1Y. SRS22 - Function / Activity	0.0198	0	0				
2Y. SRS22 - Function / Activity	0.0018	0	0				
5Y. SRS22 - Function / Activity	0.3013	0	0				
	p.val_2.vs_the_rest	p.val_3.all					
SRS22 - Function / Activity	0	0					
6M. SRS22 - Function / Activity	0	0					
1Y. SRS22 - Function / Activity	0	0					
2Y. SRS22 - Function / Activity	0	0					
5Y. SRS22 - Function / Activity	0	0					
	p.val_3.vs_the_rest	p.val_all					
SRS22 - Function / Activity	0	0					
6M. SRS22 - Function / Activity	0	0					
1Y. SRS22 - Function / Activity	0	0					
2Y. SRS22 - Function / Activity	0	0					
5Y. SRS22 - Function / Activity	0	0					

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0001	0.0099	0.0000		
2: Preop 5Y	0.0000	0.0005	0.2157	0.0000		
3: Preop 6M	0.0001	0.0001	0.0640	0.0082		
4: 6M 2Y	0.0522	0.8295	0.0000	0.0013		
5: 6M 5Y	0.0010	0.6438	0.0067	0.0009		
6: 2Y 5Y	0.1493	0.7954	0.3911	0.7342		

[1] "SRS22 - Pain"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
SRS22 - Pain	2.62	0.97	2.48	0.70	1.52	0.47	3.60	0.78	0
6M. SRS22 - Pain	3.42	0.90	3.46	0.83	2.79	0.90	3.75	0.84	0
1Y. SRS22 - Pain	3.57	0.98	3.57	0.92	2.68	0.99	4.08	0.69	0
2Y. SRS22 - Pain	3.49	1.09	3.49	1.02	2.51	1.08	4.07	0.77	0
5Y. SRS22 - Pain	3.38	1.13	3.35	1.06	2.50	1.09	4.02	0.89	0
	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3					
SRS22 - Pain	0.0000	0.0456		0.0032					0
6M. SRS22 - Pain	0.0068	0.6566		0.4400					0
1Y. SRS22 - Pain	0.0000	0.9634		0.9356					0
2Y. SRS22 - Pain	0.0000	0.9829		0.9699					0
5Y. SRS22 - Pain	0.0000	0.8042		0.6455					0

	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
SRS22 - Pain	0	0	0.0000
6M. SRS22 - Pain	0	0	0.0013
1Y. SRS22 - Pain	0	0	0.0000
2Y. SRS22 - Pain	0	0	0.0000
5Y. SRS22 - Pain	0	0	0.0000

	p.val_3.vs_the_rest	p.val_all
SRS22 - Pain	0	0
6M. SRS22 - Pain	0	0
1Y. SRS22 - Pain	0	0
2Y. SRS22 - Pain	0	0
5Y. SRS22 - Pain	0	0

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2: Preop 5Y	0.0000	0.0000	0.0000	0.0032	0.0000	0.0000
3: Preop 6M	0.0000	0.0000	0.0000	0.2089	0.0000	0.0000
4: 6M 2Y	0.7086	0.1421	0.0062	0.3696		
5: 6M 5Y	0.3116	0.1692	0.0619	0.6041		
6: 2Y 5Y	0.2105	0.9400	0.6934	0.2191		

[1] "SRS22 - Self image / Appearance"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd
SRS22 - Self image / Appearance	2.42	0.76	2.45	0.67	1.65	0.50
6M. SRS22 - Self image / Appearance	3.48	0.83	3.48	0.78	2.93	0.92
1Y. SRS22 - Self image / Appearance	3.52	0.80	3.54	0.70	2.82	0.87
2Y. SRS22 - Self image / Appearance	3.43	0.93	3.42	0.83	2.60	0.93
5Y. SRS22 - Self image / Appearance	3.37	0.93	3.36	0.87	2.60	0.87

	3.mean	3.sd	p.val_1.2	p.val_1.3	p.val_1.all
SRS22 - Self image / Appearance	2.84	0.70	0e+00	0e+00	0.6715
6M. SRS22 - Self image / Appearance	3.82	0.71	1e-04	2e-04	0.9756
1Y. SRS22 - Self image / Appearance	3.91	0.67	0e+00	0e+00	0.8372
2Y. SRS22 - Self image / Appearance	3.95	0.76	0e+00	0e+00	0.8732
5Y. SRS22 - Self image / Appearance	3.90	0.74	0e+00	0e+00	0.8843

	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
SRS22 - Self image / Appearance	0.4729	0	0e+00
6M. SRS22 - Self image / Appearance	0.9574	0	1e-04
1Y. SRS22 - Self image / Appearance	0.7309	0	0e+00
2Y. SRS22 - Self image / Appearance	0.7884	0	0e+00
5Y. SRS22 - Self image / Appearance	0.7879	0	0e+00

	p.val_2.vs_the_rest	p.val_3.all
SRS22 - Self image / Appearance	0	0e+00
6M. SRS22 - Self image / Appearance	0	1e-04
1Y. SRS22 - Self image / Appearance	0	0e+00
2Y. SRS22 - Self image / Appearance	0	0e+00
5Y. SRS22 - Self image / Appearance	0	0e+00

	p.val_3.vs_the_rest	p.val_all
SRS22 - Self image / Appearance	0	0
6M. SRS22 - Self image / Appearance	0	0
1Y. SRS22 - Self image / Appearance	0	0
2Y. SRS22 - Self image / Appearance	0	0

5Y. SRS22 - Self image / Appearance 0 0

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2: Preop 5Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3: Preop 6M	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4: 6M 2Y	0.4723	0.0573	0.2392	0.4681		
5: 6M 5Y	0.1890	0.0722	0.5067	0.1429		
6: 2Y 5Y	0.5183	0.9936	0.7040	0.4427		

[1] "SRS22 - Mental health"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
SRS22 - Mental health	3.17	0.86	3.28	0.80	2.26	0.65	3.53	0.71
6M. SRS22 - Mental health	3.55	0.85	3.62	0.86	2.95	0.88	3.79	0.61
1Y. SRS22 - Mental health	3.61	0.83	3.68	0.78	2.93	0.96	3.87	0.61
2Y. SRS22 - Mental health	3.51	0.94	3.60	0.94	2.68	0.97	3.81	0.62
5Y. SRS22 - Mental health	3.55	0.89	3.64	0.83	2.66	0.85	3.91	0.67

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
SRS22 - Mental health	0	0.0070	0.1557	0.0122
6M. SRS22 - Mental health	0	0.0509	0.4042	0.1156
1Y. SRS22 - Mental health	0	0.0250	0.3251	0.0802
2Y. SRS22 - Mental health	0	0.0253	0.2661	0.0394
5Y. SRS22 - Mental health	0	0.0165	0.2929	0.0521

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
SRS22 - Mental health	0	0	0	0.0001
6M. SRS22 - Mental health	0	0	0	0.0023
1Y. SRS22 - Mental health	0	0	0	0.0008
2Y. SRS22 - Mental health	0	0	0	0.0002
5Y. SRS22 - Mental health	0	0	0	0.0007

	p.val_3.vs_the_rest	p.val_all
SRS22 - Mental health	0e+00	0
6M. SRS22 - Mental health	1e-04	0
1Y. SRS22 - Mental health	0e+00	0
2Y. SRS22 - Mental health	0e+00	0
5Y. SRS22 - Mental health	0e+00	0

	t0	t1	1	2	3	All
1: Preop 2Y	0.0002	0.0071	0.0032	0.0000	0.0000	0.0000
2: Preop 5Y	0.0000	0.0149	0.0008	0.0000	0.0000	0.0000
3: Preop 6M	0.0001	0.0000	0.0063	0.0000	0.0000	0.0000
4: 6M 2Y	0.8972	0.1214	0.7953	0.5454		
5: 6M 5Y	0.7597	0.0969	0.2696	0.9850		
6: 2Y 5Y	0.6746	0.8832	0.3777	0.5706		

[1] "SRS22 - SRS Subtotal score"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean
SRS22 - SRS Subtotal score	2.83	0.70	2.79	0.46	1.90	0.36	3.49
6M. SRS22 - SRS Subtotal score	3.43	0.69	3.43	0.62	2.82	0.69	3.79

1Y. SRS22 - SRS Subtotal score	3.53	0.74	3.53	0.63	2.76	0.76	3.99
2Y. SRS22 - SRS Subtotal score	3.48	0.85	3.46	0.75	2.61	0.81	4.02
5Y. SRS22 - SRS Subtotal score	3.44	0.87	3.43	0.79	2.61	0.79	4.00
	3.sd	p.val_1.2	p.val_1.3	p.val_1.all			
SRS22 - SRS Subtotal score	0.56	0	0	0.4146			
6M. SRS22 - SRS Subtotal score	0.58	0	0	0.9195			
1Y. SRS22 - SRS Subtotal score	0.53	0	0	0.9588			
2Y. SRS22 - SRS Subtotal score	0.56	0	0	0.8231			
5Y. SRS22 - SRS Subtotal score	0.67	0	0	0.9124			
	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all				
SRS22 - SRS Subtotal score		0.2554	0	0			
6M. SRS22 - SRS Subtotal score		0.8648	0	0			
1Y. SRS22 - SRS Subtotal score		0.9329	0	0			
2Y. SRS22 - SRS Subtotal score		0.7066	0	0			
5Y. SRS22 - SRS Subtotal score		0.8442	0	0			
	p.val_2.vs_the_rest	p.val_3.all					
SRS22 - SRS Subtotal score		0	0				
6M. SRS22 - SRS Subtotal score		0	0				
1Y. SRS22 - SRS Subtotal score		0	0				
2Y. SRS22 - SRS Subtotal score		0	0				
5Y. SRS22 - SRS Subtotal score		0	0				
	p.val_3.vs_the_rest	p.val_all					
SRS22 - SRS Subtotal score		0	0				
6M. SRS22 - SRS Subtotal score		0	0				
1Y. SRS22 - SRS Subtotal score		0	0				
2Y. SRS22 - SRS Subtotal score		0	0				
5Y. SRS22 - SRS Subtotal score		0	0				

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2: Preop 5Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
3: Preop 6M	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000
4: 6M 2Y	0.7228	0.1317	0.0057	0.4272		
5: 6M 5Y	0.9320	0.1710	0.0526	0.8979		
6: 2Y 5Y	0.7049	1.0000	0.7869	0.5885		

[1] "SRS22 - Satisfaction with management"

	All.mean	All.sd	1.mean	1.sd	2.mean
SRS22 - Satisfaction with management	3.09	1.08	3.15	0.96	2.27
6M. SRS22 - Satisfaction with management	4.24	0.86	4.23	0.86	3.88
1Y. SRS22 - Satisfaction with management	4.23	0.91	4.23	0.90	3.69
2Y. SRS22 - Satisfaction with management	4.14	1.00	4.08	0.99	3.68
5Y. SRS22 - Satisfaction with management	4.01	0.99	4.00	0.98	3.49
	2.sd	3.mean	3.sd	p.val_1.2	p.val_1.3
SRS22 - Satisfaction with management	1.11	3.48	1.08	0.0004	0.1002
6M. SRS22 - Satisfaction with management	1.08	4.48	0.58	0.0325	0.0039
1Y. SRS22 - Satisfaction with management	1.17	4.53	0.60	0.0026	0.0009
2Y. SRS22 - Satisfaction with management	1.29	4.53	0.65	0.0382	0.0000
5Y. SRS22 - Satisfaction with management	1.18	4.38	0.72	0.0165	0.0019
	p.val_1.all	p.val_1.vs_the_rest			
SRS22 - Satisfaction with management	0.5939	0.3365			

6M. SRS22 - Satisfaction with management	0.8708	0.7622
1Y. SRS22 - Satisfaction with management	0.9689	0.9425
2Y. SRS22 - Satisfaction with management	0.4814	0.1958
5Y. SRS22 - Satisfaction with management	0.8799	0.7686

p.val_2.3 p.val_2.all

SRS22 - Satisfaction with management	0e+00	0.0008
6M. SRS22 - Satisfaction with management	3e-04	0.0220
1Y. SRS22 - Satisfaction with management	0e+00	0.0022
2Y. SRS22 - Satisfaction with management	0e+00	0.0135
5Y. SRS22 - Satisfaction with management	1e-04	0.0116

p.val_2.vs_the_rest p.val_3.all

SRS22 - Satisfaction with management	0.0001	0.0437
6M. SRS22 - Satisfaction with management	0.0062	0.0018
1Y. SRS22 - Satisfaction with management	0.0003	0.0002
2Y. SRS22 - Satisfaction with management	0.0034	0.0000
5Y. SRS22 - Satisfaction with management	0.0032	0.0012

p.val_3.vs_the_rest p.val_all

SRS22 - Satisfaction with management	0.0111	0e+00
6M. SRS22 - Satisfaction with management	0.0001	2e-04
1Y. SRS22 - Satisfaction with management	0.0000	0e+00
2Y. SRS22 - Satisfaction with management	0.0000	0e+00
5Y. SRS22 - Satisfaction with management	0.0001	0e+00

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2: Preop 5Y	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000
3: Preop 6M	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
4: 6M 2Y	0.1249	0.3727	0.5966	0.1775		
5: 6M 5Y	0.0242	0.1002	0.3406	0.0037		
6: 2Y 5Y	0.4490	0.4506	0.1787	0.1155		

[1] "SF36 - PCS"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
SF36 - PCS	36.45	9.47	34.10	7.32	29.12	6.40	46.26	7.68	0e+00
6M. SF36 - PCS	40.54	9.17	39.81	8.43	34.18	7.72	46.19	8.36	0e+00
1Y. SF36 - PCS	41.94	10.01	41.20	9.06	33.24	8.43	48.71	7.93	0e+00
2Y. SF36 - PCS	42.06	10.41	41.20	9.22	33.37	9.69	49.09	8.30	0e+00
5Y. SF36 - PCS	41.64	11.22	40.49	10.42	33.58	9.64	49.54	9.19	2e-04
	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all				
SF36 - PCS	0	0.0012		0.0000	0	0			
6M. SF36 - PCS	0	0.3645		0.1115	0	0			
1Y. SF36 - PCS	0	0.3952		0.1423	0	0			
2Y. SF36 - PCS	0	0.3336		0.1021	0	0			
5Y. SF36 - PCS	0	0.3063		0.0592	0	0			
	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest	p.val_all					
SF36 - PCS	0	0	0	0					
6M. SF36 - PCS	0	0	0	0					
1Y. SF36 - PCS	0	0	0	0					
2Y. SF36 - PCS	0	0	0	0					
5Y. SF36 - PCS	0	0	0	0					

	t0	t1	1	2	3	All
1: Preop	2Y	0.0000	0.0068	0.0172	0.0000	0.0000
2: Preop	5Y	0.0000	0.0139	0.0230	0.0000	0.0000
3: Preop	6M	0.0000	0.0002	0.9534	0.0000	0.0000
4:	6M 2Y	0.1297	0.6246	0.0202	0.0460	
5:	6M 5Y	0.5238	0.7485	0.0248	0.2103	
6:	2Y 5Y	0.5144	0.9172	0.7577	0.6449	

[1] "SF36 - MCS"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
SF36 - MCS	42.99	11.84	44.89	11.70	33.08	10.00	44.99	10.04	0e+00
6M. SF36 - MCS	47.14	11.82	48.09	12.37	41.17	11.84	49.01	9.28	2e-04
1Y. SF36 - MCS	47.55	11.57	48.75	11.33	40.03	13.37	49.67	8.86	0e+00
2Y. SF36 - MCS	46.96	12.12	47.64	12.26	38.38	13.01	50.88	8.17	0e+00
5Y. SF36 - MCS	47.66	11.33	48.74	10.89	38.90	12.41	50.64	8.89	0e+00

	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
SF36 - MCS	0.9377	0.0686		0.0004	0e+00
6M. SF36 - MCS	0.4961	0.3957		0.0936	1e-04
1Y. SF36 - MCS	0.4584	0.2487		0.0328	0e+00
2Y. SF36 - MCS	0.0094	0.5392		0.2452	0e+00
5Y. SF36 - MCS	0.1917	0.3482		0.0729	0e+00

	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest	p.val_all
SF36 - MCS	0e+00	0.1052		0.0392
6M. SF36 - MCS	1e-04	0.1172		0.0480
1Y. SF36 - MCS	0e+00	0.0592		0.0169
2Y. SF36 - MCS	0e+00	0.0003		0.0000
5Y. SF36 - MCS	0e+00	0.0290		0.0066

	t0	t1	1	2	3	All
1: Preop	2Y	0.0242	0.0163	0.0000	0.0000	0.0000
2: Preop	5Y	0.0017	0.0172	0.0004	0.0000	0.0000
3: Preop	6M	0.0092	0.0001	0.0060	0.0000	0.0000
4:	6M 2Y	0.7244	0.2338	0.1533	0.8411	
5:	6M 5Y	0.6143	0.3728	0.2823	0.5974	
6:	2Y 5Y	0.3891	0.8434	0.8638	0.4752	

Quality of Life change with respect baseline

[1] "ODI - Score (%)"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
6M. ODI - Score (%)	-9.61	17.12	-12.31	16.04	-16.40	18.96	0.79	13.58
1Y. ODI - Score (%)	-12.09	15.37	-14.21	15.28	-18.86	14.93	-3.56	12.03
2Y. ODI - Score (%)	-9.90	16.72	-12.49	18.00	-10.90	17.19	-3.78	11.35
5Y. ODI - Score (%)	-9.47	17.74	-10.74	19.07	-12.41	17.71	-4.25	12.67

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
6M. ODI - Score (%)	0.1600	0.0000	0.0762	0.0011

1Y. ODI - Score (%)	0.0533	0.0000	0.1363	0.0041
2Y. ODI - Score (%)	0.5632	0.0000	0.1099	0.0008
5Y. ODI - Score (%)	0.6182	0.0058	0.5169	0.1488
	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
6M. ODI - Score (%)	0.0000	0.0180	0.0053	0.0000
1Y. ODI - Score (%)	0.0000	0.0038	0.0008	0.0000
2Y. ODI - Score (%)	0.0095	0.6946	0.6440	0.0001
5Y. ODI - Score (%)	0.0185	0.3538	0.2786	0.0120
	p.val_3.vs_the_rest	p.val_all		
6M. ODI - Score (%)		0.0000	0.0000	
1Y. ODI - Score (%)		0.0000	0.0000	
2Y. ODI - Score (%)		0.0000	0.0003	
5Y. ODI - Score (%)		0.0022	0.0360	

[1] "SRS22 - Function / Activity"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	
6M. SRS22 - Function / Activity	0.17	0.75	0.26	0.71	0.46	0.69	-0.21	
1Y. SRS22 - Function / Activity	0.32	0.69	0.40	0.69	0.45	0.65	0.07	
2Y. SRS22 - Function / Activity	0.37	0.71	0.38	0.76	0.49	0.63	0.27	
5Y. SRS22 - Function / Activity	0.42	0.78	0.50	0.80	0.49	0.91	0.18	
	3.sd	p.val_1.2	p.val_1.3	p.val_1.all				
6M. SRS22 - Function / Activity	0.73	0.0661	0.0000	0.1778				
1Y. SRS22 - Function / Activity	0.67	0.6019	0.0002	0.2004				
2Y. SRS22 - Function / Activity	0.63	0.2689	0.2138	0.8728				
5Y. SRS22 - Function / Activity	0.60	0.9226	0.0018	0.3329				
	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all					
6M. SRS22 - Function / Activity		0.0146	0.0000	0.0057				
1Y. SRS22 - Function / Activity		0.0152	0.0009	0.1646				
2Y. SRS22 - Function / Activity		0.7489	0.0424	0.1883				
5Y. SRS22 - Function / Activity		0.0451	0.0685	0.6806				
	p.val_2.vs_the_rest	p.val_3.all						
6M. SRS22 - Function / Activity		0.0012	0.0000					
1Y. SRS22 - Function / Activity		0.1028	0.0023					
2Y. SRS22 - Function / Activity		0.1222	0.2083					
5Y. SRS22 - Function / Activity		0.6278	0.0098					
	p.val_3.vs_the_rest	p.val_all						
6M. SRS22 - Function / Activity		0.0000	0.0000					
1Y. SRS22 - Function / Activity		0.0001	0.0003					
2Y. SRS22 - Function / Activity		0.1015	0.1776					
5Y. SRS22 - Function / Activity		0.0014	0.0228					

[1] "SRS22 - Pain"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
6M. SRS22 - Pain	0.82	0.95	1.00	0.89	1.24	0.85	0.18	0.84	0.0719
1Y. SRS22 - Pain	0.94	0.93	1.09	0.91	1.13	0.85	0.51	0.89	0.7710
2Y. SRS22 - Pain	0.88	0.99	1.03	1.01	0.98	0.93	0.50	0.88	0.6980
5Y. SRS22 - Pain	0.78	1.06	0.88	1.08	0.93	1.10	0.45	0.94	0.8022
	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest	p.val_2.3					

6M.	SRS22 - Pain	0.0000	0.0340	0.0001	0.0000
1Y.	SRS22 - Pain	0.0000	0.0776	0.0009	0.0001
2Y.	SRS22 - Pain	0.0000	0.0910	0.0010	0.0026
5Y.	SRS22 - Pain	0.0065	0.4086	0.0888	0.0327
		p.val_2.all	p.val_2.vs_the_rest	p.val_3.all	
6M.	SRS22 - Pain	0.0013	0.0002	0.0000	
1Y.	SRS22 - Pain	0.1405	0.0841	0.0001	
2Y.	SRS22 - Pain	0.4669	0.3908	0.0005	
5Y.	SRS22 - Pain	0.4568	0.3833	0.0218	
		p.val_3.vs_the_rest	p.val_all		
6M.	SRS22 - Pain	0.000	0.0000		
1Y.	SRS22 - Pain	0.000	0.0000		
2Y.	SRS22 - Pain	0.000	0.0001		
5Y.	SRS22 - Pain	0.004	0.0246		

[1] "SRS22 - Self image / Appearance"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd
6M. SRS22 - Self image / Appearance	1.08	0.97	1.05	0.99	1.26	1.00
1Y. SRS22 - Self image / Appearance	1.13	0.88	1.15	0.88	1.17	0.84
2Y. SRS22 - Self image / Appearance	1.03	0.97	1.00	1.01	0.94	0.93
5Y. SRS22 - Self image / Appearance	0.97	0.91	0.97	0.96	0.90	0.89
	3.mean	3.sd	p.val_1.2	p.val_1.3	p.val_1.all	
6M. SRS22 - Self image / Appearance	1.01	0.91	0.1801	0.7398	0.7878	
1Y. SRS22 - Self image / Appearance	1.07	0.92	0.8318	0.5165	0.8420	
2Y. SRS22 - Self image / Appearance	1.13	0.91	0.6643	0.2992	0.7930	
5Y. SRS22 - Self image / Appearance	1.03	0.81	0.6628	0.6590	0.9786	
	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all			
6M. SRS22 - Self image / Appearance	0.6064	0.1392	0.2120			
1Y. SRS22 - Self image / Appearance	0.7077	0.4898	0.7234			
2Y. SRS22 - Self image / Appearance	0.6096	0.2305	0.5218			
5Y. SRS22 - Self image / Appearance	0.9543	0.4679	0.6332			
	p.val_2.vs_the_rest	p.val_3.all				
6M. SRS22 - Self image / Appearance	0.1382	0.5601				
1Y. SRS22 - Self image / Appearance	0.6772	0.5834				
2Y. SRS22 - Self image / Appearance	0.4494	0.3527				
5Y. SRS22 - Self image / Appearance	0.5770	0.6453				
	p.val_3.vs_the_rest	p.val_all				
6M. SRS22 - Self image / Appearance	0.4479	0.2905				
1Y. SRS22 - Self image / Appearance	0.4654	0.7388				
2Y. SRS22 - Self image / Appearance	0.2229	0.4581				
5Y. SRS22 - Self image / Appearance	0.5635	0.7903				

[1] "SRS22 - Mental health"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd
6M. SRS22 - Mental health	0.37	0.81	0.35	0.84	0.65	0.84	0.24	0.69
1Y. SRS22 - Mental health	0.43	0.78	0.44	0.77	0.63	0.92	0.30	0.70
2Y. SRS22 - Mental health	0.34	0.82	0.34	0.81	0.45	0.89	0.28	0.78
5Y. SRS22 - Mental health	0.34	0.79	0.36	0.86	0.27	0.80	0.33	0.60

	p.val_1.2	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest
6M. SRS22 - Mental health	0.0204	0.2564	0.7751	0.5776
1Y. SRS22 - Mental health	0.1792	0.1377	0.9172	0.8471
2Y. SRS22 - Mental health	0.4285	0.5620	0.9827	0.9677
5Y. SRS22 - Mental health	0.5456	0.7952	0.8127	0.5992

	p.val_2.3	p.val_2.all	p.val_2.vs_the_rest	p.val_3.all
6M. SRS22 - Mental health	0.0027	0.0230		0.0071
1Y. SRS22 - Mental health	0.0280	0.1486		0.0865
2Y. SRS22 - Mental health	0.2568	0.4149		0.3324
5Y. SRS22 - Mental health	0.6820	0.6217		0.5633

	p.val_3.vs_the_rest	p.val_all
6M. SRS22 - Mental health	0.0517	0.0103
1Y. SRS22 - Mental health	0.0476	0.0532
2Y. SRS22 - Mental health	0.3953	0.4952
5Y. SRS22 - Mental health	0.9288	0.8214

[1] "SRS22 - SRS Subtotal score"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean
6M. SRS22 - SRS Subtotal score	0.60	0.64	0.66	0.63	0.89	0.62	0.31
1Y. SRS22 - SRS Subtotal score	0.70	0.62	0.77	0.60	0.84	0.60	0.49
2Y. SRS22 - SRS Subtotal score	0.65	0.68	0.68	0.73	0.70	0.62	0.54
5Y. SRS22 - SRS Subtotal score	0.61	0.73	0.64	0.79	0.64	0.69	0.50

	3.sd	p.val_1.2	p.val_1.3	p.val_1.all
6M. SRS22 - SRS Subtotal score	0.57	0.0156	0.0000	0.3536
1Y. SRS22 - SRS Subtotal score	0.62	0.4095	0.0005	0.2592
2Y. SRS22 - SRS Subtotal score	0.60	0.8242	0.0994	0.6042
5Y. SRS22 - SRS Subtotal score	0.58	0.9767	0.1544	0.6652

	p.val_1.vs_the_rest	p.val_2.3	p.val_2.all
6M. SRS22 - SRS Subtotal score		0.0856	0.0000
1Y. SRS22 - SRS Subtotal score		0.0369	0.0010
2Y. SRS22 - SRS Subtotal score		0.2992	0.1317
5Y. SRS22 - SRS Subtotal score		0.3352	0.3084

	p.val_2.vs_the_rest	p.val_3.all
6M. SRS22 - SRS Subtotal score		0.0003
1Y. SRS22 - SRS Subtotal score		0.0668
2Y. SRS22 - SRS Subtotal score		0.4734
5Y. SRS22 - SRS Subtotal score		0.7691

	p.val_3.vs_the_rest	p.val_all
6M. SRS22 - SRS Subtotal score		0.0000
1Y. SRS22 - SRS Subtotal score		0.0001
2Y. SRS22 - SRS Subtotal score		0.0691
5Y. SRS22 - SRS Subtotal score		0.1352

[1] "SRS22 - Satisfaction with management"

	All.mean	All.sd	1.mean	1.sd	2.mean
6M. SRS22 - Satisfaction with management	1.15	1.35	1.08	1.30	1.54
1Y. SRS22 - Satisfaction with management	1.17	1.26	1.11	1.25	1.44
2Y. SRS22 - Satisfaction with management	0.95	1.33	0.77	1.31	1.32

5Y. SRS22 - Satisfaction with management	0.82	1.23	0.86	1.28	1.00
	2.sd	3.mean	3.sd	p.val_1.2	p.val_1.3
6M. SRS22 - Satisfaction with management	1.50	1.08	1.35	0.1599	0.9835
1Y. SRS22 - Satisfaction with management	1.42	1.14	1.20	0.3146	0.9047
2Y. SRS22 - Satisfaction with management	1.59	1.19	1.15	0.1418	0.0656
5Y. SRS22 - Satisfaction with management	1.19	0.54	1.08	0.7017	0.2223
	p.val_1.all	p.val_1.vs_the_rest			
6M. SRS22 - Satisfaction with management	0.6536			0.3823	
1Y. SRS22 - Satisfaction with management	0.7322			0.4958	
2Y. SRS22 - Satisfaction with management	0.2919			0.0300	
5Y. SRS22 - Satisfaction with management	0.7889			0.5044	
	p.val_2.3	p.val_2.all			
6M. SRS22 - Satisfaction with management	0.2204	0.2253			
1Y. SRS22 - Satisfaction with management	0.3994	0.3892			
2Y. SRS22 - Satisfaction with management	0.7457	0.3043			
5Y. SRS22 - Satisfaction with management	0.2484	0.5953			
	p.val_2.vs_the_rest	p.val_3.all			
6M. SRS22 - Satisfaction with management		0.1531		0.7760	
1Y. SRS22 - Satisfaction with management		0.3150		0.8984	
2Y. SRS22 - Satisfaction with management		0.2371		0.2516	
5Y. SRS22 - Satisfaction with management		0.5521		0.2729	
	p.val_3.vs_the_rest	p.val_all			
6M. SRS22 - Satisfaction with management		0.7197		0.2790	
1Y. SRS22 - Satisfaction with management		0.8708		0.5269	
2Y. SRS22 - Satisfaction with management		0.1498		0.0887	
5Y. SRS22 - Satisfaction with management		0.1869		0.4450	

[1] "SF36 - PCS"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
6M. SF36 - PCS	4.46	8.88	6.02	9.48	5.06	7.26	0.38	7.04	0.4354
1Y. SF36 - PCS	5.78	8.87	7.44	9.28	4.58	7.68	2.78	7.70	0.0284
2Y. SF36 - PCS	5.59	9.36	7.26	9.12	3.86	10.34	2.90	8.49	0.0335
5Y. SF36 - PCS	5.31	10.16	6.56	10.86	3.78	7.81	2.96	9.11	0.0834
	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest				p.val_2.3	p.val_2.all	
6M. SF36 - PCS	0.0000	0.0705			0.0001		0.0004	0.5949	
1Y. SF36 - PCS	0.0000	0.0520			0.0000		0.1956	0.3163	
2Y. SF36 - PCS	0.0002	0.0499			0.0002		0.5765	0.2586	
5Y. SF36 - PCS	0.0215	0.2668			0.0114		0.6512	0.2988	
	p.val_2.vs_the_rest	p.val_3.all	p.val_3.vs_the_rest				p.val_all		
6M. SF36 - PCS		0.5351	0.0000				0.0000	0.0000	
1Y. SF36 - PCS		0.2437	0.0029				0.0001	0.0002	
2Y. SF36 - PCS		0.1796	0.0143				0.0017	0.0007	
5Y. SF36 - PCS		0.2319	0.1005				0.0410	0.0531	

[1] "SF36 - MCS"

	All.mean	All.sd	1.mean	1.sd	2.mean	2.sd	3.mean	3.sd	p.val_1.2
6M. SF36 - MCS	4.09	11.62	3.28	12.39	7.32	10.87	3.85	9.87	0.0244
1Y. SF36 - MCS	4.50	11.21	4.23	11.18	5.57	14.16	4.44	9.13	0.5384

2Y. SF36 - MCS	3.87	11.94	2.65	12.16	5.35	12.08	5.69	11.12	0.1560
5Y. SF36 - MCS	3.95	12.36	2.84	12.47	4.99	12.40	6.27	11.84	0.3576
	p.val_1.3	p.val_1.all	p.val_1.vs_the_rest		p.val_2.3	p.val_2.all			
6M. SF36 - MCS	0.6948	0.4724			0.1308	0.0675	0.0536		
1Y. SF36 - MCS	0.8711	0.7971			0.6174	0.6172	0.6116		
2Y. SF36 - MCS	0.0483	0.2749			0.0306	0.8704	0.4123		
5Y. SF36 - MCS	0.0789	0.4006			0.0782	0.6283	0.6416		
	p.val_2.vs_the_rest		p.val_3.all	p.val_3.vs_the_rest		p.val_all			
6M. SF36 - MCS	0.0234		0.8523	0.8146		0.0848			
1Y. SF36 - MCS	0.5473		0.9635	0.9540		0.7555			
2Y. SF36 - MCS	0.3320		0.1993	0.0993		0.0996			
5Y. SF36 - MCS	0.5868		0.2054	0.1128		0.1943			

Surgery

	All.mean	All.sd	1.mean	1.sd
Total Operative Blood Loss st1+st2+st3	1447.62	1262.72	1425.86	1325.97
Total surgical time st1+st2+st3	308.97	165.59	284.08	151.61
Number of Posterior Instrumented Levels	9.06	4.58	8.36	4.68
Number of Interbody Fusions	0.80	1.16	1.05	1.18
	2.mean	2.sd	3.mean	3.sd
Total Operative Blood Loss st1+st2+st3	1875.30	1275.17	1152.39	966.75
Total surgical time st1+st2+st3	336.46	169.16	341.14	182.32
Number of Posterior Instrumented Levels	9.26	4.48	10.24	4.23
Number of Interbody Fusions	0.98	1.08	0.18	0.94
	p.val_1.2	p.val_1.3	p.val_1.all	
Total Operative Blood Loss st1+st2+st3	0.0192	0.0647	0.8534	
Total surgical time st1+st2+st3	0.0303	0.0067	0.0691	
Number of Posterior Instrumented Levels	0.1798	0.0006	0.0935	
Number of Interbody Fusions	0.6861	0.0000	0.0136	
	p.val_1.vs_the_rest		p.val_2.3	
Total Operative Blood Loss st1+st2+st3	0.0729		0.0004	
Total surgical time st1+st2+st3	0.0729		0.8665	
Number of Posterior Instrumented Levels	0.0729		0.1690	
Number of Interbody Fusions	0.0729		0.0000	
	p.val_2.all	p.val_2.vs_the_rest		
Total Operative Blood Loss st1+st2+st3	0.0181	0		
Total surgical time st1+st2+st3	0.2351	0		
Number of Posterior Instrumented Levels	0.7521	0		
Number of Interbody Fusions	0.2106	0		
	p.val_3.all	p.val_3.vs_the_rest		
Total Operative Blood Loss st1+st2+st3	0.0271	0.0066		
Total surgical time st1+st2+st3	0.1069	0.0066		
Number of Posterior Instrumented Levels	0.0157	0.0066		
Number of Interbody Fusions	0.0000	0.0066		
	p.val_all			
Total Operative Blood Loss st1+st2+st3	0.0037			
Total surgical time st1+st2+st3	0.0056			
Number of Posterior Instrumented Levels	0.0032			
Number of Interbody Fusions	0.0000			

\$'Pelvic fixation'

\$'Pelvic fixation'\$All

\$'Pelvic fixation'\$All\$table
variable
NA No Yes
24 214 134

\$'Pelvic fixation'\$All\$proportion
variable
NA No Yes
0.06451613 0.57526882 0.36021505

\$'Pelvic fixation'\$'1'
\$'Pelvic fixation'\$'1'\$table
variable
NA No Yes
13 102 90

\$'Pelvic fixation'\$'1'\$proportion
variable
NA No Yes
0.06341463 0.49756098 0.43902439

\$'Pelvic fixation'\$'2'
\$'Pelvic fixation'\$'2'\$table
variable
NA No Yes
3 22 38

\$'Pelvic fixation'\$'2'\$proportion
variable
NA No Yes
0.04761905 0.34920635 0.60317460

\$'Pelvic fixation'\$'3'
\$'Pelvic fixation'\$'3'\$table
variable
NA No Yes
8 90 6

\$'Pelvic fixation'\$'3'\$proportion
variable
NA No Yes
0.07692308 0.86538462 0.05769231

\$'Surgical Approach'
\$'Surgical Approach'\$All
\$'Surgical Approach'\$All\$table
variable
Anterior Anterior-Posterior
1 4

Posterior	Posterior-Anterior
352	11
Posterior-Posterior	Posterior-Posterior-Anterior
3	1

'\$Surgical Approach'\$All\$proportion
 variable

Anterior	Anterior-Posterior
0.002688172	0.010752688
Posterior	Posterior-Anterior
0.946236559	0.029569892
Posterior-Posterior	Posterior-Posterior-Anterior
0.008064516	0.002688172

'\$Surgical Approach'\$'1'
 '\$Surgical Approach'\$'1'\$table
 variable

Anterior	Anterior-Posterior	Posterior	Posterior-Anterior
1	2	196	4
Posterior-Posterior			
2			

'\$Surgical Approach'\$'1'\$proportion
 variable

Anterior	Anterior-Posterior	Posterior	Posterior-Anterior
0.004878049	0.009756098	0.956097561	0.019512195
Posterior-Posterior			
0.009756098			

'\$Surgical Approach'\$'2'
 '\$Surgical Approach'\$'2'\$table
 variable

Posterior	Posterior-Anterior
56	7

'\$Surgical Approach'\$'2'\$proportion
 variable

Posterior	Posterior-Anterior
0.8888889	0.1111111

'\$Surgical Approach'\$'3'
 '\$Surgical Approach'\$'3'\$table
 variable

Anterior-Posterior	Posterior
2	100
Posterior-Posterior	Posterior-Posterior-Anterior
1	1

'\$Surgical Approach'\$'3'\$proportion
 variable

Anterior-Posterior	Posterior
--------------------	-----------

0.019230769	0.961538462
Posterior-Posterior	Posterior-Posterior-Anterior
0.009615385	0.009615385

```
$Decompression
$Decompression$All
$Decompression$All$table
variable
  No Yes
274 98
```

```
$Decompression$All$proportion
variable
  No      Yes
0.7365591 0.2634409
```

```
$Decompression$'1'
$Decompression$'1'$table
variable
  No Yes
135 70
```

```
$Decompression$'1'$proportion
variable
  No      Yes
0.6585366 0.3414634
```

```
$Decompression$'2'
$Decompression$'2'$table
variable
  No Yes
41 22
```

```
$Decompression$'2'$proportion
variable
  No      Yes
0.6507937 0.3492063
```

```
$Decompression$'3'
$Decompression$'3'$table
variable
  No Yes
98 6
```

```
$Decompression$'3'$proportion
variable
  No      Yes
0.94230769 0.05769231
```

```

$'Interbody Fusion'
$'Interbody Fusion'$All
$'Interbody Fusion'$All$table
variable
  No Yes
216 156

```

```

$'Interbody Fusion'$All$proportion
variable
  No      Yes
0.5806452 0.4193548

```

```

$'Interbody Fusion'$'1'
$'Interbody Fusion'$'1'$table
variable
  No Yes
90 115

```

```

$'Interbody Fusion'$'1'$proportion
variable
  No      Yes
0.4390244 0.5609756

```

```

$'Interbody Fusion'$'2'
$'Interbody Fusion'$'2'$table
variable
  No Yes
28 35

```

```

$'Interbody Fusion'$'2'$proportion
variable
  No      Yes
0.4444444 0.5555556

```

```

$'Interbody Fusion'$'3'
$'Interbody Fusion'$'3'$table
variable
  No Yes
98 6

```

```

$'Interbody Fusion'$'3'$proportion
variable
  No      Yes
0.94230769 0.05769231

```

```

$Osteotomy
$Osteotomy$All

```

\$Osteotomy\$All\$table
variable
No Yes
201 171

\$Osteotomy\$All\$proportion
variable
No Yes
0.5403226 0.4596774

\$Osteotomy\$'1'
\$Osteotomy\$'1'\$table
variable
No Yes
107 98

\$Osteotomy\$'1'\$proportion
variable
No Yes
0.5219512 0.4780488

\$Osteotomy\$'2'
\$Osteotomy\$'2'\$table
variable
No Yes
24 39

\$Osteotomy\$'2'\$proportion
variable
No Yes
0.3809524 0.6190476

\$Osteotomy\$'3'
\$Osteotomy\$'3'\$table
variable
No Yes
70 34

\$Osteotomy\$'3'\$proportion
variable
No Yes
0.6730769 0.3269231

\$'3CO'
\$'3CO'\$All
\$'3CO'\$All\$table
variable
No Yes
318 54

```

$'3C0'$All$proportion
variable
      No      Yes
0.8548387 0.1451613

```

```

$'3C0'$'1'
$'3C0'$'1'$table
variable
      No Yes
174   31

```

```

$'3C0'$'1'$proportion
variable
      No      Yes
0.8487805 0.1512195

```

```

$'3C0'$'2'
$'3C0'$'2'$table
variable
      No Yes
45    18

```

```

$'3C0'$'2'$proportion
variable
      No      Yes
0.7142857 0.2857143

```

```

$'3C0'$'3'
$'3C0'$'3'$table
variable
      No Yes
99     5

```

```

$'3C0'$'3'$proportion
variable
      No      Yes
0.95192308 0.04807692

```

Reinterventions

```

      group reiqs patients total
1:      1    117         61    205
2:      2     67         29     63
3:      3     19         13    104
4:    all    203        103    372

```

```

      p_val_all_1 p_val_all_2 p_val_all_3 p_val_1_2 p_val_1_3 p_val_2_3
1:      0.6667      0.0054      0.0022      0.0251      0.0013      0

```

Impacts

	Complication	Impact	all_num	all_patients	1_num	1_patients	2_num	2_patients	
1:		0	1	1	0	0	1	1	
2:	Adverse Event		3	3	1	1	0	0	
3:	Major Complication		230	111	138	66	71	30	
4:	Minor Complication		208	142	135	87	46	33	
	3_num	3_patients	all	1	2	3	p_val_all_1	p_val_all_2	p_val_all_3
1:	0	0	372	205	63	104	1.0000	0.6719	1.0000
2:	2	2	372	205	63	104	1.0000	1.0000	0.6575
3:	21	15	372	205	63	104	0.6219	0.0082	0.0025
4:	27	22	372	205	63	104	0.3608	0.0468	0.0019
	p_val_1_2	p_val_1_3	p_val_2_3						
1:	0.5314	NaN	0.7995						
2:	1.0000	0.5472	0.7088						
3:	0.0373	0.0013	0.0000						
4:	0.2138	0.0004	0.0001						

Categories

	Category of the complication	all_num	all_patients	1_num	1_patients					
1:	Central neurologic complications	1	1	1	1					
2:	Iatrogenic	19	19	13	13					
3:	Infectious complications	33	28	15	14					
4:	Mechanical complications	221	134	127	78					
5:	Other complications	104	68	67	39					
6:	Pain	19	18	15	14					
7:	Peripheral neurologic complications	45	38	36	29					
	2_num	2_patients	3_num	3_patients	all	1	2	3	p_val_all_1	p_val_all_2
1:	0	0	0	0	372	205	63	104	1.0000	1.0000
2:	2	2	4	4	372	205	63	104	0.6674	0.7308
3:	12	9	6	5	372	205	63	104	0.8876	0.1250
4:	76	41	18	15	372	205	63	104	0.6942	0.0000
5:	19	15	18	14	372	205	63	104	0.9137	0.3900
6:	2	2	2	2	372	205	63	104	0.4180	0.7964
7:	7	7	2	2	372	205	63	104	0.2023	1.0000
	p_val_all_3	p_val_1_2	p_val_1_3	p_val_2_3						
1:	1.0000	1.0000	1.0000	NaN						
2:	0.7859	0.5202	0.5189	1.0000						
3:	0.4552	0.1116	0.6538	0.0637						
4:	0.0000	0.0003	0.0000	0.0000						
5:	0.3157	0.5166	0.2864	0.1335						
6:	0.3013	0.4432	0.1170	1.0000						
7:	0.0126	0.6842	0.0015	0.0282						