

Clusters Descriptives

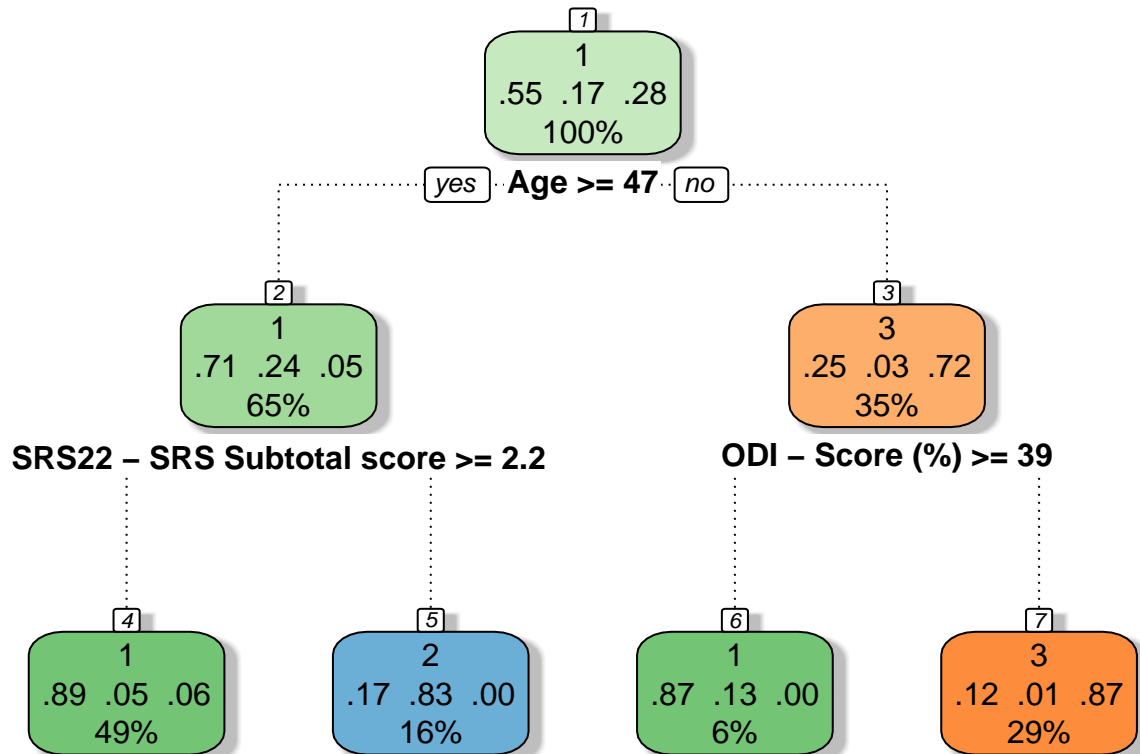
\$vars

```
[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-24 17:55:24 aleixrvr

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_2.3	p.val_2.all	p.val_all		
Age	0.0000	0.0000	0.0000	0.0000		
Height (cm)_First Visit	0.4387	0.0191	0.2137	0.0131		
Weight (kgs)_First Visit	0.6263	0.0000	0.0001	0.0000		
BMI_First Visit	0.9446	0.0000	0.0000	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
```

```
$'Tobacco use_First Visit'$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
      10
      Failed-back
      20
      Neuromuscular
      5
      Other: hyperkyphosis
      1
      Other: spondylolisthesis
      1
      Scheuermann
      15
      Degenerative
      132
      Idiopathic
      166
      Other: Ankylosing spondylitis
      1
      Other: radiotherapy induced
      1
      Post-traumatic
      15
      Syndromic
      5

```

```

$'ESSG Diagnosis'$All$proportion
variable
      Congenital
      0.026881720
      Failed-back
      0.053763441
      Neuromuscular
      0.013440860
      Other: hyperkyphosis
      0.002688172
      Other: spondylolisthesis
      0.002688172
      Scheuermann
      0.040322581
      Degenerative
      0.354838710
      Idiopathic
      0.446236559
      Other: Ankylosing spondylitis
      0.002688172
      Other: radiotherapy induced
      0.002688172
      Post-traumatic
      0.040322581
      Syndromic
      0.013440860

```

```

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

```

```

$'ESSG Diagnosis'$'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
0.888889	0.111111

\$\$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	0.0081	
6M. Static Major curve Cobb angle	30.82	20.23	0.2925	0.0000	0.0081	
1Y. Static Major curve Cobb angle	26.41	17.98	0.0006	0.0039	0.0081	
2Y. Static Major curve Cobb angle	29.50	20.24	0.0629	0.0006	0.0081	
5Y. Static Major curve Cobb angle	35.48	19.38	0.0009	0.0031	0.0081	
	p.val_2.3	p.val_2.all	p.val_all			
Static Major curve Cobb angle	0	3e-04	0			
6W. Static Major curve Cobb angle	0	3e-04	0			
6M. Static Major curve Cobb angle	0	3e-04	0			
1Y. Static Major curve Cobb angle	0	3e-04	0			
2Y. Static Major curve Cobb angle	0	3e-04	0			
5Y. Static Major curve Cobb angle	0	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	0.6746
6M. Coronal Balance (C7PL to CSVL)	14.68	10.88	0.1859	0.0074	0.6746
1Y. Coronal Balance (C7PL to CSVL)	15.27	11.02	0.3103	0.0547	0.6746
2Y. Coronal Balance (C7PL to CSVL)	14.11	11.76	0.2598	0.0161	0.6746
5Y. Coronal Balance (C7PL to CSVL)	14.39	11.26	0.2868	0.0009	0.6746

	p.val_2.3	p.val_2.all	p.val_all
Coronal Balance (C7PL to CSVL)	0.0098	0.064	0.0022
6W. Coronal Balance (C7PL to CSVL)	0.3487	0.064	0.5238
6M. Coronal Balance (C7PL to CSVL)	0.0051	0.064	0.0044
1Y. Coronal Balance (C7PL to CSVL)	0.0456	0.064	0.0440
2Y. Coronal Balance (C7PL to CSVL)	0.0105	0.064	0.0138
5Y. Coronal Balance (C7PL to CSVL)	0.1098	0.064	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_2.3	p.val_2.all
Sagittal Balance	0.0000	0	0.2035	0	0
6W. Sagittal Balance	0.0528	0	0.2035	0	0
6M. Sagittal Balance	0.0402	0	0.2035	0	0
1Y. Sagittal Balance	0.0030	0	0.2035	0	0
2Y. Sagittal Balance	0.0003	0	0.2035	0	0
5Y. Sagittal Balance	0.0260	0	0.2035	0	0

	p.val_all
Sagittal Balance	0
6W. Sagittal Balance	0
6M. Sagittal Balance	0

```

1Y. Sagittal Balance      0
2Y. Sagittal Balance      0
5Y. Sagittal Balance      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_2.3 p.val_2.all
Sagittal T2-T5      0.7345   0.9965   0.9186   0.7605   0.7687
6W. Sagittal T2-T5      0.4266   0.9472   0.9186   0.4369   0.7687
6M. Sagittal T2-T5      0.7934   0.8609   0.9186   0.7124   0.7687
1Y. Sagittal T2-T5      0.3417   0.0589   0.9186   0.7822   0.7687
2Y. Sagittal T2-T5      0.0498   0.0077   0.9186   0.9924   0.7687
5Y. Sagittal T2-T5      0.4150   0.5673   0.9186   0.6893   0.7687

      p.val_all
Sagittal T2-T5      0.9352
6W. Sagittal T2-T5      0.6332
6M. Sagittal T2-T5      0.9245
1Y. Sagittal T2-T5      0.1863
2Y. Sagittal T2-T5      0.0127
5Y. Sagittal T2-T5      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_2.3	p.val_2.all			
Sagittal T5-T12	0.7588	0.0464	0.369	0.1970	0.7972			
6W. Sagittal T5-T12	0.6017	0.0096	0.369	0.0114	0.7972			
6M. Sagittal T5-T12	0.4915	0.0078	0.369	0.0089	0.7972			
1Y. Sagittal T5-T12	0.5383	0.0118	0.369	0.0141	0.7972			
2Y. Sagittal T5-T12	0.5785	0.0004	0.369	0.0273	0.7972			
5Y. Sagittal T5-T12	0.3310	0.0249	0.369	0.0081	0.7972			
	p.val_all							
Sagittal T5-T12	0.1114							
6W. Sagittal T5-T12	0.0108							
6M. Sagittal T5-T12	0.0083							
1Y. Sagittal T5-T12	0.0173							
2Y. Sagittal T5-T12	0.0044							
5Y. Sagittal T5-T12	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_2.3	p.val_2.all			
Sagittal T2-T12	0.5546	0.1324	0.4456	0.5174	0.8989			
6W. Sagittal T2-T12	0.3012	0.0050	0.4456	0.0024	0.8989			
6M. Sagittal T2-T12	0.2053	0.0347	0.4456	0.0117	0.8989			
1Y. Sagittal T2-T12	0.3932	0.0636	0.4456	0.0401	0.8989			
2Y. Sagittal T2-T12	0.1970	0.2833	0.4456	0.0484	0.8989			
5Y. Sagittal T2-T12	0.7182	0.0285	0.4456	0.0817	0.8989			
	p.val_all							
Sagittal T2-T12	0.3042							
6W. Sagittal T2-T12	0.0021							
6M. Sagittal T2-T12	0.0137							
1Y. Sagittal T2-T12	0.0654							
2Y. Sagittal T2-T12	0.1077							
5Y. Sagittal T2-T12	0.0631							

	t0	t1	1	2	3	All
1: Preop 2Y	0.0003	0.0107	0.6540	0.0000		

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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

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[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	p.val_2.3		
Lordosis (top of L1-S1)	18.14	0.0050	0.0000		0.0696	0.0000		
6W. Lordosis (top of L1-S1)	13.40	0.9016	0.0376		0.0696	0.1300		
6M. Lordosis (top of L1-S1)	12.64	0.1417	0.0005		0.0696	0.0006		
1Y. Lordosis (top of L1-S1)	13.11	0.2514	0.0009		0.0696	0.0014		
2Y. Lordosis (top of L1-S1)	12.56	0.1664	0.0011		0.0696	0.0003		
5Y. Lordosis (top of L1-S1)	15.57	0.8435	0.0209		0.0696	0.0839		
		p.val_2.all	p.val_all					
Lordosis (top of L1-S1)		1e-04	0.0000					
6W. Lordosis (top of L1-S1)		1e-04	0.1032					
6M. Lordosis (top of L1-S1)		1e-04	0.0001					
1Y. Lordosis (top of L1-S1)		1e-04	0.0006					
2Y. Lordosis (top of L1-S1)		1e-04	0.0004					
5Y. Lordosis (top of L1-S1)		1e-04	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_2.3	p.val_2.all		
Pelvic Incidence	0.7701	0.0018	0.3184		0.0134	0.3526		
6W. Pelvic Incidence	0.6755	0.0008	0.3184		0.0064	0.3526		

6M. Pelvic Incidence	0.8098	0.0085	0.3184	0.1158	0.3526
1Y. Pelvic Incidence	0.2699	0.0109	0.3184	0.0045	0.3526
2Y. Pelvic Incidence	0.3915	0.0121	0.3184	0.0095	0.3526
5Y. Pelvic Incidence	0.1437	0.5288	0.3184	0.0644	0.3526

	p.val_all
Pelvic Incidence	0.0075
6W. Pelvic Incidence	0.0033
6M. Pelvic Incidence	0.0430
1Y. Pelvic Incidence	0.0090
2Y. Pelvic Incidence	0.0147
5Y. Pelvic Incidence	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_2.3	p.val_2.all	p.val_all				
Pelvic Tilt	0	0.0143	0	0	0				
6W. Pelvic Tilt	0	0.0143	0	0	0				
6M. Pelvic Tilt	0	0.0143	0	0	0				
1Y. Pelvic Tilt	0	0.0143	0	0	0				
2Y. Pelvic Tilt	0	0.0143	0	0	0				
5Y. Pelvic Tilt	0	0.0143	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_2.3	p.val_2.all			
Sacral Slope	0.0298	0.0000	0.3286	0.0000	0.0039			
6W. Sacral Slope	0.3953	0.0681	0.3286	0.0553	0.0039			
6M. Sacral Slope	0.0497	0.0001	0.3286	0.0000	0.0039			
1Y. Sacral Slope	0.4930	0.0007	0.3286	0.0021	0.0039			
2Y. Sacral Slope	0.4327	0.0013	0.3286	0.0028	0.0039			
5Y. Sacral Slope	0.7421	0.0001	0.3286	0.0088	0.0039			
	p.val_all							
Sacral Slope	0.0000							
6W. Sacral Slope	0.0800							
6M. Sacral Slope	0.0000							
1Y. Sacral Slope	0.0009							
2Y. Sacral Slope	0.0016							
5Y. Sacral Slope	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_2.3	p.val_2.all	p.val_all				
RLL	0.0000	0.0238	0.0000		0	0.000			
6W. RLL	0.0000	0.0238	0.0003		0	0.000			
6M. RLL	0.0000	0.0238	0.0000		0	0.000			
1Y. RLL	0.0000	0.0238	0.0000		0	0.000			
2Y. RLL	0.0000	0.0238	0.0000		0	0.000			
5Y. RLL	0.0052	0.0238	0.0037		0	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_2.3	p.val_2.all	p.val_all
Global Tilt	0.0001	0	0.0293	0	0	0
6W. Global Tilt	0.0843	0	0.0293	0	0	0
6M. Global Tilt	0.0547	0	0.0293	0	0	0
1Y. Global Tilt	0.0027	0	0.0293	0	0	0
2Y. Global Tilt	0.0048	0	0.0293	0	0	0
5Y. Global Tilt	0.0405	0	0.0293	0	0	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_2.3	p.val_2.all
T1 Sagittal Tilt	0.0002	0.0000	0.7062	0.0000	1e-04
6W. T1 Sagittal Tilt	0.9776	0.1143	0.7062	0.2714	1e-04
6M. T1 Sagittal Tilt	0.0630	0.0698	0.7062	0.0043	1e-04
1Y. T1 Sagittal Tilt	0.0427	0.1176	0.7062	0.0030	1e-04
2Y. T1 Sagittal Tilt	0.0305	0.0005	0.7062	0.0001	1e-04
5Y. T1 Sagittal Tilt	0.0811	0.2096	0.7062	0.0059	1e-04

	p.val_all
T1 Sagittal Tilt	0.0000
6W. T1 Sagittal Tilt	0.2959
6M. T1 Sagittal Tilt	0.0057
1Y. T1 Sagittal Tilt	0.0093
2Y. T1 Sagittal Tilt	0.0000
5Y. T1 Sagittal Tilt	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_2.3	p.val_2.all			
Thoracolumbar L2-T10	0.6594	0.1930	0.6943	0.1531	0.4591			
6W. Thoracolumbar L2-T10	0.4764	0.0032	0.6943	0.0017	0.4591			
6M. Thoracolumbar L2-T10	0.8864	0.0007	0.6943	0.0025	0.4591			
1Y. Thoracolumbar L2-T10	0.8940	0.0000	0.6943	0.0004	0.4591			
2Y. Thoracolumbar L2-T10	0.7050	0.0008	0.6943	0.0022	0.4591			
5Y. Thoracolumbar L2-T10	0.6059	0.0144	0.6943	0.0114	0.4591			
	p.val_all							
Thoracolumbar L2-T10	0.2903							
6W. Thoracolumbar L2-T10	0.0028							
6M. Thoracolumbar L2-T10	0.0003							
1Y. Thoracolumbar L2-T10	0.0000							
2Y. Thoracolumbar L2-T10	0.0011							
5Y. Thoracolumbar L2-T10	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_2.3	p.val_2.all	p.val_all				
RSA	0	0.0311	0	0	0				

6W. RSA	0	0.0311	0	0	0
6M. RSA	0	0.0311	0	0	0
1Y. RSA	0	0.0311	0	0	0
2Y. RSA	0	0.0311	0	0	0
5Y. RSA	0	0.0311	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_2.3	p.val_2.all	p.val_all						
RPV	0.0339	0	0	0						
6W. RPV	0.0339	0	0	0						
6M. RPV	0.0339	0	0	0						
1Y. RPV	0.0339	0	0	0						
2Y. RPV	0.0339	0	0	0						
5Y. RPV	0.0339	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_2.3	p.val_2.all			
ODI - Score (%)	0	0	0.0373	0	0			
6M. ODI - Score (%)	0	0	0.0373	0	0			
1Y. ODI - Score (%)	0	0	0.0373	0	0			
2Y. ODI - Score (%)	0	0	0.0373	0	0			
5Y. ODI - Score (%)	0	0	0.0373	0	0			
	p.val_all							
ODI - Score (%)	0							
6M. ODI - Score (%)	0							
1Y. ODI - Score (%)	0							
2Y. ODI - Score (%)	0							
5Y. ODI - Score (%)	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
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	p.val_2.3		
SRS22 - Function / Activity	0.70	0	0	0.0114	0		
6M. SRS22 - Function / Activity	0.79	0	0	0.0114	0		
1Y. SRS22 - Function / Activity	0.73	0	0	0.0114	0		
2Y. SRS22 - Function / Activity	0.66	0	0	0.0114	0		
5Y. SRS22 - Function / Activity	0.78	0	0	0.0114	0		
	p.val_2.all	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_2.3	p.val_2.all	p.val_all
SRS22 - Pain	0.0000	0.0456	0	0	0
6M. SRS22 - Pain	0.0068	0.0456	0	0	0
1Y. SRS22 - Pain	0.0000	0.0456	0	0	0
2Y. SRS22 - Pain	0.0000	0.0456	0	0	0
5Y. SRS22 - Pain	0.0000	0.0456	0	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	0.6715
1Y. SRS22 - Self image / Appearance	3.91	0.67	0e+00	0e+00	0.6715
2Y. SRS22 - Self image / Appearance	3.95	0.76	0e+00	0e+00	0.6715
5Y. SRS22 - Self image / Appearance	3.90	0.74	0e+00	0e+00	0.6715

	p.val_2.3	p.val_2.all	p.val_all
SRS22 - Self image / Appearance	0	0	0
6M. SRS22 - Self image / Appearance	0	0	0
1Y. SRS22 - Self image / Appearance	0	0	0
2Y. SRS22 - Self image / Appearance	0	0	0
5Y. SRS22 - Self image / Appearance	0	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_2.3	p.val_2.all
SRS22 - Mental health	0	0.0070	0.1557	0	0
6M. SRS22 - Mental health	0	0.0509	0.1557	0	0
1Y. SRS22 - Mental health	0	0.0250	0.1557	0	0
2Y. SRS22 - Mental health	0	0.0253	0.1557	0	0
5Y. SRS22 - Mental health	0	0.0165	0.1557	0	0

	p.val_all
SRS22 - Mental health	0
6M. SRS22 - Mental health	0
1Y. SRS22 - Mental health	0
2Y. SRS22 - Mental health	0
5Y. SRS22 - Mental health	0

	t0	t1	1	2	3	All
1: Preop 2Y	0.0002	0.0071	0.0032	0.0000		
2: Preop 5Y	0.0000	0.0149	0.0008	0.0000		
3: Preop 6M	0.0001	0.0000	0.0063	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	p.val_2.3
SRS22 - SRS Subtotal score	0.56	0	0	0.4146	0
6M. SRS22 - SRS Subtotal score	0.58	0	0	0.4146	0
1Y. SRS22 - SRS Subtotal score	0.53	0	0	0.4146	0
2Y. SRS22 - SRS Subtotal score	0.56	0	0	0.4146	0
5Y. SRS22 - SRS Subtotal score	0.67	0	0	0.4146	0

	p.val_2.all	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
2: Preop	5Y	0.0000	0.0000	0.0000	0.0000	0.0000
3: Preop	6M	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_2.3	p.val_2.all
SRS22 - Satisfaction with management	0.5939	0e+00	8e-04
6M. SRS22 - Satisfaction with management	0.5939	3e-04	8e-04
1Y. SRS22 - Satisfaction with management	0.5939	0e+00	8e-04
2Y. SRS22 - Satisfaction with management	0.5939	0e+00	8e-04
5Y. SRS22 - Satisfaction with management	0.5939	1e-04	8e-04

	p.val_all
SRS22 - Satisfaction with management	0e+00
6M. SRS22 - Satisfaction with management	2e-04
1Y. SRS22 - Satisfaction with management	0e+00
2Y. SRS22 - Satisfaction with management	0e+00
5Y. SRS22 - Satisfaction with management	0e+00

	t0	t1	1	2	3	All
1: Preop	2Y	0.0000	0.0000	0.0000	0.0000	0.0000
2: Preop	5Y	0.0000	0.0001	0.0000	0.0000	0.0000
3: Preop	6M	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_2.3	p.val_2.all	p.val_all				
SF36 - PCS	0	0.0012	0	0	0				
6M. SF36 - PCS	0	0.0012	0	0	0				
1Y. SF36 - PCS	0	0.0012	0	0	0				
2Y. SF36 - PCS	0	0.0012	0	0	0				
5Y. SF36 - PCS	0	0.0012	0	0	0				

	t0	t1	1	2	3	All
1: Preop 2Y	0.0000	0.0068	0.0172	0.0000		
2: Preop 5Y	0.0000	0.0139	0.0230	0.0000		
3: Preop 6M	0.0000	0.0002	0.9534	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_2.3	p.val_2.all	p.val_all				
SF36 - MCS	0.9377	0.0686	0e+00	0	0e+00				
6M. SF36 - MCS	0.4961	0.0686	1e-04	0	1e-04				
1Y. SF36 - MCS	0.4584	0.0686	0e+00	0	0e+00				
2Y. SF36 - MCS	0.0094	0.0686	0e+00	0	0e+00				
5Y. SF36 - MCS	0.1917	0.0686	0e+00	0	0e+00				

	t0	t1	1	2	3	All
1: Preop 2Y	0.0242	0.0163	0.0000	0.0000		
2: Preop 5Y	0.0017	0.0172	0.0004	0.0000		
3: Preop 6M	0.0092	0.0001	0.0060	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	28.22	15.98	45.19	18.30	17.78	13.04
1Y. ODI - Score (%)	-12.09	15.37	26.46	16.30	44.66	15.57	12.83	10.94
2Y. ODI - Score (%)	-9.90	16.72	28.07	19.36	50.35	19.33	12.76	11.29

5Y. ODI - Score (%)	-9.47	17.74	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_2.3	p.val_2.all			
6M. ODI - Score (%)	0.1600	0.0000	0.0373	0.0000				0
1Y. ODI - Score (%)	0.0533	0.0000	0.0373	0.0000				0
2Y. ODI - Score (%)	0.5632	0.0000	0.0373	0.0095				0
5Y. ODI - Score (%)	0.6182	0.0058	0.0373	0.0185				0
	p.val_all							
6M. ODI - Score (%)	0.0000							
1Y. ODI - Score (%)	0.0000							
2Y. ODI - Score (%)	0.0003							
5Y. ODI - Score (%)	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	3.19	0.66	2.59	0.73	3.81	
1Y. SRS22 - Function / Activity	0.32	0.69	3.30	0.73	2.59	0.77	4.10	
2Y. SRS22 - Function / Activity	0.37	0.71	3.33	0.75	2.63	0.85	4.27	
5Y. SRS22 - Function / Activity	0.42	0.78	3.45	0.76	2.67	0.88	4.16	
	3.sd	p.val_1.2	p.val_1.3	p.val_1.all	p.val_2.3			
6M. SRS22 - Function / Activity	0.79	0.0661	0.0000	0.0114	0.0000			
1Y. SRS22 - Function / Activity	0.73	0.6019	0.0002	0.0114	0.0009			
2Y. SRS22 - Function / Activity	0.66	0.2689	0.2138	0.0114	0.0424			
5Y. SRS22 - Function / Activity	0.78	0.9226	0.0018	0.0114	0.0685			
	p.val_2.all	p.val_all						
6M. SRS22 - Function / Activity	0	0.0000						
1Y. SRS22 - Function / Activity	0	0.0003						
2Y. SRS22 - Function / Activity	0	0.1776						
5Y. SRS22 - Function / Activity	0	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	3.46	0.83	2.79	0.90	3.75	0.84	0.0719
1Y. SRS22 - Pain	0.94	0.93	3.57	0.92	2.68	0.99	4.08	0.69	0.7710
2Y. SRS22 - Pain	0.88	0.99	3.49	1.02	2.51	1.08	4.07	0.77	0.6980
5Y. SRS22 - Pain	0.78	1.06	3.35	1.06	2.50	1.09	4.02	0.89	0.8022
	p.val_1.3	p.val_1.all	p.val_2.3	p.val_2.all	p.val_all				
6M. SRS22 - Pain	0.0000	0.0456	0.0000	0	0.0000				
1Y. SRS22 - Pain	0.0000	0.0456	0.0001	0	0.0000				
2Y. SRS22 - Pain	0.0000	0.0456	0.0026	0	0.0001				
5Y. SRS22 - Pain	0.0065	0.0456	0.0327	0	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	3.48	0.78	2.93	0.92
1Y. SRS22 - Self image / Appearance	1.13	0.88	3.54	0.70	2.82	0.87

2Y. SRS22 - Self image / Appearance	1.03	0.97	3.42	0.83	2.60	0.93
5Y. SRS22 - Self image / Appearance	0.97	0.91	3.36	0.87	2.60	0.87
	3.mean	3.sd	p.val_1.2	p.val_1.3	p.val_1.all	
6M. SRS22 - Self image / Appearance	3.82	0.71	0.1801	0.7398	0.6715	
1Y. SRS22 - Self image / Appearance	3.91	0.67	0.8318	0.5165	0.6715	
2Y. SRS22 - Self image / Appearance	3.95	0.76	0.6643	0.2992	0.6715	
5Y. SRS22 - Self image / Appearance	3.90	0.74	0.6628	0.6590	0.6715	
	p.val_2.3	p.val_2.all	p.val_all			
6M. SRS22 - Self image / Appearance	0.1392	0	0.2905			
1Y. SRS22 - Self image / Appearance	0.4898	0	0.7388			
2Y. SRS22 - Self image / Appearance	0.2305	0	0.4581			
5Y. SRS22 - Self image / Appearance	0.4679	0	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	3.62	0.86	2.95	0.88	3.79	0.61
1Y. SRS22 - Mental health	0.43	0.78	3.68	0.78	2.93	0.96	3.87	0.61
2Y. SRS22 - Mental health	0.34	0.82	3.60	0.94	2.68	0.97	3.81	0.62
5Y. SRS22 - Mental health	0.34	0.79	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_2.3	p.val_2.all			
6M. SRS22 - Mental health	0.0204	0.2564	0.1557	0.0027				0
1Y. SRS22 - Mental health	0.1792	0.1377	0.1557	0.0280				0
2Y. SRS22 - Mental health	0.4285	0.5620	0.1557	0.2568				0
5Y. SRS22 - Mental health	0.5456	0.7952	0.1557	0.6820				0
	p.val_all							
6M. SRS22 - Mental health	0.0103							
1Y. SRS22 - Mental health	0.0532							
2Y. SRS22 - Mental health	0.4952							
5Y. SRS22 - Mental health	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	3.43	0.62	2.82	0.69	3.79
1Y. SRS22 - SRS Subtotal score	0.70	0.62	3.53	0.63	2.76	0.76	3.99
2Y. SRS22 - SRS Subtotal score	0.65	0.68	3.46	0.75	2.61	0.81	4.02
5Y. SRS22 - SRS Subtotal score	0.61	0.73	3.43	0.79	2.61	0.79	4.00
	3.sd	p.val_1.2	p.val_1.3	p.val_1.all	p.val_2.3		
6M. SRS22 - SRS Subtotal score	0.58	0.0156	0.0000	0.4146	0.0000		
1Y. SRS22 - SRS Subtotal score	0.53	0.4095	0.0005	0.4146	0.0010		
2Y. SRS22 - SRS Subtotal score	0.56	0.8242	0.0994	0.4146	0.1317		
5Y. SRS22 - SRS Subtotal score	0.67	0.9767	0.1544	0.4146	0.3084		
	p.val_2.all	p.val_all					
6M. SRS22 - SRS Subtotal score	0	0.0000					
1Y. SRS22 - SRS Subtotal score	0	0.0004					
2Y. SRS22 - SRS Subtotal score	0	0.2318					
5Y. SRS22 - SRS Subtotal score	0	0.4324					

[1] "SRS22 - Satisfaction with management"

	All.mean	All.sd	1.mean	1.sd	2.mean
6M. SRS22 - Satisfaction with management	1.15	1.35	4.23	0.86	3.88
1Y. SRS22 - Satisfaction with management	1.17	1.26	4.23	0.90	3.69
2Y. SRS22 - Satisfaction with management	0.95	1.33	4.08	0.99	3.68
5Y. SRS22 - Satisfaction with management	0.82	1.23	4.00	0.98	3.49
	2.sd	3.mean	3.sd	p.val_1.2	p.val_1.3
6M. SRS22 - Satisfaction with management	1.08	4.48	0.58	0.1599	0.9835
1Y. SRS22 - Satisfaction with management	1.17	4.53	0.60	0.3146	0.9047
2Y. SRS22 - Satisfaction with management	1.29	4.53	0.65	0.1418	0.0656
5Y. SRS22 - Satisfaction with management	1.18	4.38	0.72	0.7017	0.2223
	p.val_1.all	p.val_2.3	p.val_2.all		
6M. SRS22 - Satisfaction with management	0.5939	0.2204	8e-04		
1Y. SRS22 - Satisfaction with management	0.5939	0.3994	8e-04		
2Y. SRS22 - Satisfaction with management	0.5939	0.7457	8e-04		
5Y. SRS22 - Satisfaction with management	0.5939	0.2484	8e-04		
	p.val_all				
6M. SRS22 - Satisfaction with management	0.2790				
1Y. SRS22 - Satisfaction with management	0.5269				
2Y. SRS22 - Satisfaction with management	0.0887				
5Y. SRS22 - Satisfaction with management	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	39.81	8.43	34.18	7.72	46.19	8.36	0.4354
1Y. SF36 - PCS	5.78	8.87	41.20	9.06	33.24	8.43	48.71	7.93	0.0284
2Y. SF36 - PCS	5.59	9.36	41.20	9.22	33.37	9.69	49.09	8.30	0.0335
5Y. SF36 - PCS	5.31	10.16	40.49	10.42	33.58	9.64	49.54	9.19	0.0834
	p.val_1.3	p.val_1.all	p.val_2.3	p.val_2.all	p.val_all				
6M. SF36 - PCS	0.0000	0.0012	0.0004		0	0.0000			
1Y. SF36 - PCS	0.0000	0.0012	0.1956		0	0.0002			
2Y. SF36 - PCS	0.0002	0.0012	0.5765		0	0.0007			
5Y. SF36 - PCS	0.0215	0.0012	0.6512		0	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	48.09	12.37	41.17	11.84	49.01	9.28	0.0244
1Y. SF36 - MCS	4.50	11.21	48.75	11.33	40.03	13.37	49.67	8.86	0.5384
2Y. SF36 - MCS	3.87	11.94	47.64	12.26	38.38	13.01	50.88	8.17	0.1560
5Y. SF36 - MCS	3.95	12.36	48.74	10.89	38.90	12.41	50.64	8.89	0.3576
	p.val_1.3	p.val_1.all	p.val_2.3	p.val_2.all	p.val_all				
6M. SF36 - MCS	0.6948	0.0686	0.0675		0	0.0848			
1Y. SF36 - MCS	0.8711	0.0686	0.6172		0	0.7555			
2Y. SF36 - MCS	0.0483	0.0686	0.8704		0	0.0996			
5Y. SF36 - MCS	0.0789	0.0686	0.6283		0	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_2.3	p.val_2.all	p.val_all	
Total Operative Blood Loss st1+st2+st3	0.0004	0.0181	0.0037	
Total surgical time st1+st2+st3	0.8665	0.2351	0.0056	
Number of Posterior Instrumented Levels	0.1690	0.7521	0.0032	
Number of Interbody Fusions	0.0000	0.2106	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
0.888889	0.111111

\$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

\$'3C0'
\$'3C0'\$All
\$'3C0'\$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    124      63    205
2:      2     71     29     63
3:      3     19     13    104
4:    all    214    105    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:      0.5903      0.0073      0.0016      0.037      7e-04      0

```

Impacts

```

      Complication Impact all_num all_patients 1_num 1_patients 2_num 2_patients
1:      0      0      1      1      0      0      1      1
2:      Adverse Event      6      5      2      2      0      0
3:  Major Complication      251      113  153      67  77      31
4:  Minor Complication      271      175  173      106  63      41
      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:      4      3 372 205 63 104      1.0000      0.7745      0.5164
3:     21     15 372 205 63 104      0.6323      0.0052      0.0018
4:     35     28 372 205 63 104      0.3242      0.0120      0.0004
      p_val_1_2 p_val_1_3 p_val_2_3
1:      0.5314      NaN      0.7995
2:      1.0000      0.4356      0.4476
3:      0.0256      0.0010      0.0000
4:      0.0853      0.0001      0.0000

```

Categories

```

      Category of the complication all_num all_patients 1_num 1_patients
1:  Central neurologic complications      1      1      1      1
2:      Iatrogenic      74      65  44      38
3:  Infectious complications      36      30  17      15
4:  Mechanical complications      224     135  130      79

```

5:	Other complications	124	80	83	47
6:	Pain	19	18	15	14
7:	Peripheral neurologic complications	51	43	38	31
	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:	17 14 13	13	372 205 63 104	0.8370	0.4669
3:	13 10 6	5	372 205 63 104	0.8743	0.0805
4:	76 41 18	15	372 205 63 104	0.6566	0.0000
5:	22 18 19	15	372 205 63 104	0.7722	0.2808
6:	2 2 2	2	372 205 63 104	0.4180	0.7964
7:	11 10 2	2	372 205 63 104	0.2736	0.4474
	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:	0.2885 0.6420 0.2346		0.1506		
3:	0.3615 0.0727 0.5468		0.0320		
4:	0.0000 0.0004 0.0000		0.0000		
5:	0.1446 0.4556 0.1066		0.0429		
6:	0.3013 0.4432 0.1170		1.0000		
7:	0.0054 1.0000 0.0008		0.0021		