

Clusters Descriptives

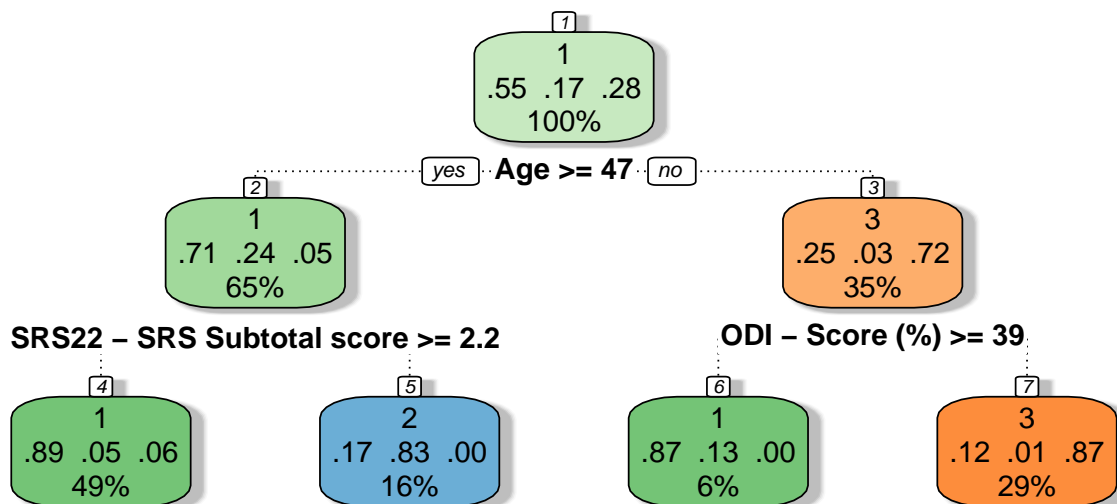
\$vars

```
[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 |
|----|---------|-------|
| | <fctr> | <int> |
| 1: | 1 | 205 |
| 2: | 2 | 63 |
| 3: | 3 | 104 |



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Statistics

ODI

ODI stats overall

| | mean | sd |
|----|----------|----------|
| | <num> | <num> |
| 1: | 37.26197 | 19.77577 |

ODI stats by cluster

| | cluster | mean | sd |
|----|---------|----------|----------|
| | <fctr> | <num> | <num> |
| 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 |
|----|---------|-------------|
| | <char> | <num> |
| 1: | 1 | 0.941170797 |
| 2: | 2 | 0.009524567 |
| 3: | 3 | 0.012853253 |

Pelvic fixation: all vs each cluster

| | cluster | p.val |
|----|---------|--------------|
| | <char> | <num> |
| 1: | 1 | 7.675105e-02 |
| 2: | 2 | 4.514302e-04 |
| 3: | 3 | 4.518601e-09 |

P-value ASA 1 cluster vs cluster

| | treatment | asa_1 | N |
|----|-----------|-------|-------|
| | <fctr> | <int> | <int> |
| 1: | 1 | 39 | 205 |
| 2: | 2 | 7 | 63 |
| 3: | 3 | 66 | 104 |

P-values Treatment 1 vs Treatment 2

[1] 0.2055715

P-values Treatment 1 vs Treatment 3

[1] 1.774504e-14

P-values Treatment 2 vs Treatment 3

[1] 1.12102e-10

P-valor ASA 3 cluster vs cluster

| | treatment | asa_3 | N |
|----|-----------|-------|-------|
| | <fctr> | <int> | <int> |
| 1: | 1 | 37 | 205 |
| 2: | 2 | 16 | 63 |
| 3: | 3 | 4 | 104 |

P-values Treatment 1 vs Treatment 2

[1] 0.2714116

P-values Treatment 1 vs Treatment 3

[1] 0.0009662313

P-values Treatment 2 vs Treatment 3

[1] 9.167044e-05

P-valor Prior Spine Surgery Yes cluster vs cluster

| | treatment | prior_yes | N |
|----|-----------|-----------|-------|
| | <fctr> | <int> | <int> |
| 1: | 1 | 66 | 205 |
| 2: | 2 | 34 | 63 |
| 3: | 3 | 17 | 104 |

P-values Treatment 1 vs Treatment 2

[1] 0.002917531

P-values Treatment 1 vs Treatment 3

[1] 0.004591781

P-values Treatment 2 vs Treatment 3

[1] 7.685231e-07

3CO cluster vs cluster

| | treatment | prior_yes | N |
|----|-----------|-----------|-------|
| | <fctr> | <int> | <int> |
| 1: | 1 | 31 | 205 |
| 2: | 2 | 18 | 63 |
| 3: | 3 | 5 | 104 |

P-values Treatment 1 vs Treatment 2

[1] 0.02580586

P-values Treatment 1 vs Treatment 3

[1] 0.01303575

P-values Treatment 2 vs Treatment 3

[1] 4.357196e-05

Pelvic Fixation cluster vs cluster

| | treatment <fctr> | prior_yes <int> | N <int> |
|----|---------------------|--------------------|------------|
| 1: | 1 | 90 | 205 |
| 2: | 2 | 38 | 63 |
| 3: | 3 | 6 | 104 |

P-values Treatment 1 vs Treatment 2

[1] 0.03258762

P-values Treatment 1 vs Treatment 3

[1] 1.886229e-11

P-values Treatment 2 vs Treatment 3

[1] 3.59253e-14

- p.val_all is the p-value obtained from the ANOVA
- p.val_1.2 is the p-value obtained from Tukey's HSD
- p.val_1.all is the p-value obtained from a t-test comparing cluster 1 vs all
- p.val_1.vs_the_rest is the p-value obtained from a t-test comparing cluster 1 vs clusters 2 and 3

Demographics

| | variable | All.mean | All.sd | 1.mean | 1.sd | 2.mean | 2.sd | 3.mean | 3.sd | p.val_1.all |
|-----|---------------------|----------|----------|--------|-------|--------|--------|--------|----------|-------------|
| Age | Age | 52.42 | 19.39 | 60.46 | 14.87 | 63.22 | 10.37 | 30.03 | 12.07 | 0 |
| | p.val_1.vs_the_rest | | | | | | | | | |
| Age | | 0 | | 0 | | | | 0 | | 0 |
| | p.val_3.vs_the_rest | | | | | | | | | |
| Age | | 0 | | 0 | | 0 | 2.7637 | 0.3286 | -30.4297 | |
| | p.val_3.1 diff_3.2 | | | | | | | | | |
| Age | | 0 | -33.1934 | | 0 | | | | | |

```

$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

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 | 17.85 | 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.all | p.val_1.vs_the_rest | | |
| Static Major curve Cobb angle | 58.24 | 20.02 | 0.0081 | | 0.0000 | |
| 6W. Static Major curve Cobb angle | 29.73 | 18.82 | 0.3431 | | 0.1042 | |
| 6M. Static Major curve Cobb angle | 30.82 | 20.23 | 0.0816 | | 0.0041 | |
| 1Y. Static Major curve Cobb angle | 26.41 | 17.98 | 0.6044 | | 0.3523 | |
| 2Y. Static Major curve Cobb angle | 29.50 | 20.24 | 0.2347 | | 0.0527 | |
| 5Y. Static Major curve Cobb angle | 35.48 | 19.38 | 0.5953 | | 0.3654 | |
| | p.val_2.all | p.val_2.vs_the_rest | p.val_3.all | | | |
| Static Major curve Cobb angle | 0.0003 | | 0.000 | | 0.0000 | |
| 6W. Static Major curve Cobb angle | 0.0001 | | 0.000 | | 0.0023 | |
| 6M. Static Major curve Cobb angle | 0.0321 | | 0.013 | | 0.0013 | |
| 1Y. Static Major curve Cobb angle | 0.0000 | | 0.000 | | 0.0068 | |
| 2Y. Static Major curve Cobb angle | 0.0050 | | 0.001 | | 0.0049 | |
| 5Y. Static Major curve Cobb angle | 0.0000 | | 0.000 | | 0.0059 | |
| | p.val_3.vs_the_rest | perc_missing | p.val_all | | | |
| Static Major curve Cobb angle | 0e+00 | 0.05913978 | 0 | | | |
| 6W. Static Major curve Cobb angle | 0e+00 | 0.14516129 | 0 | | | |
| 6M. Static Major curve Cobb angle | 0e+00 | 0.17741935 | 0 | | | |
| 1Y. Static Major curve Cobb angle | 2e-04 | 0.12096774 | 0 | | | |
| 2Y. Static Major curve Cobb angle | 1e-04 | 0.24731183 | 0 | | | |
| 5Y. Static Major curve Cobb angle | 3e-04 | 0.61827957 | 0 | | | |
| | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 | | |
| Static Major curve Cobb angle | -6.2036 | 0.0687 | 20.3592 | 0.0000 | | |
| 6W. Static Major curve Cobb angle | -6.2226 | 0.0351 | 8.0822 | 0.0002 | | |
| 6M. Static Major curve Cobb angle | -2.5859 | 0.6045 | 10.3807 | 0.0000 | | |
| 1Y. Static Major curve Cobb angle | -6.3626 | 0.0231 | 6.4352 | 0.0039 | | |
| 2Y. Static Major curve Cobb angle | -4.2151 | 0.2642 | 8.8950 | 0.0003 | | |
| 5Y. Static Major curve Cobb angle | -8.8695 | 0.0347 | 11.1789 | 0.0017 | | |
| | diff_3.2 | p.val_3.2 | | | | |
| Static Major curve Cobb angle | 26.5627 | 0 | | | | |
| 6W. Static Major curve Cobb angle | 14.3049 | 0 | | | | |
| 6M. Static Major curve Cobb angle | 12.9666 | 0 | | | | |
| 1Y. Static Major curve Cobb angle | 12.7978 | 0 | | | | |
| 2Y. Static Major curve Cobb angle | 13.1100 | 0 | | | | |
| 5Y. Static Major curve Cobb angle | 20.0484 | 0 | | | | |
| | t0 | t1 | 1 | 2 | 3 | All |
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 1: | Preop | 2Y | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2: | Preop | 5Y | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3: | Preop | 6W | 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] "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.all | p.val_1.vs_the_rest | p.val_2.all |
|--------------------|-------------|---------------------|-------------|
| Sagittal T2-T5 | 0.9186 | | 0.8494 |
| 6W. Sagittal T2-T5 | 0.8143 | | 0.6807 |
| 6M. Sagittal T2-T5 | 0.9848 | | 0.9714 |
| 1Y. Sagittal T2-T5 | 0.3160 | | 0.0717 |
| 2Y. Sagittal T2-T5 | 0.0818 | | 0.0031 |
| 5Y. Sagittal T2-T5 | 0.5942 | | 0.3671 |

| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest |
|--------------------|---------------------|-------------|---------------------|
| Sagittal T2-T5 | 0.7256 | 0.9400 | 0.9209 |
| 6W. Sagittal T2-T5 | 0.4035 | 0.7995 | 0.7332 |
| 6M. Sagittal T2-T5 | 0.7529 | 0.8263 | 0.7750 |
| 1Y. Sagittal T2-T5 | 0.5834 | 0.2259 | 0.1162 |
| 2Y. Sagittal T2-T5 | 0.2034 | 0.1378 | 0.0431 |
| 5Y. Sagittal T2-T5 | 0.4820 | 0.8409 | 0.7927 |

| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 |
|--------------------|--------------|-----------|----------|-----------|----------|-----------|
| Sagittal T2-T5 | 0.06451613 | 0.9352 | -0.5138 | 0.9338 | -0.0053 | 1.0000 |
| 6W. Sagittal T2-T5 | 0.18817204 | 0.6332 | 1.1678 | 0.6441 | -0.0702 | 0.9977 |
| 6M. Sagittal T2-T5 | 0.18279570 | 0.9245 | -0.4720 | 0.9507 | 0.1982 | 0.9865 |
| 1Y. Sagittal T2-T5 | 0.20967742 | 0.1863 | 1.7138 | 0.4965 | 2.2320 | 0.2006 |
| 2Y. Sagittal T2-T5 | 0.26344086 | 0.0127 | 3.5218 | 0.0744 | 3.5399 | 0.0258 |
| 5Y. Sagittal T2-T5 | 0.61290323 | 0.5889 | 2.6033 | 0.5788 | 1.2281 | 0.8535 |

| | diff_3.2 | p.val_3.2 |
|--------------------|----------|-----------|
| Sagittal T2-T5 | 0.5085 | 0.9475 |
| 6W. Sagittal T2-T5 | -1.2379 | 0.6648 |
| 6M. Sagittal T2-T5 | 0.6702 | 0.9177 |
| 1Y. Sagittal T2-T5 | 0.5182 | 0.9492 |
| 2Y. Sagittal T2-T5 | 0.0180 | 0.9999 |
| 5Y. Sagittal T2-T5 | -1.3752 | 0.8852 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|-------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all | | | | | |
| Sagittal T5-T12 | 0.3690 | | 0.1042 | | 0.7972 | | | |
| 6W. Sagittal T5-T12 | 0.3588 | | 0.1002 | | 0.2365 | | | |
| 6M. Sagittal T5-T12 | 0.3723 | | 0.1098 | | 0.1941 | | | |
| 1Y. Sagittal T5-T12 | 0.4364 | | 0.1503 | | 0.2471 | | | |
| 2Y. Sagittal T5-T12 | 0.1669 | | 0.0090 | | 0.6708 | | | |
| 5Y. Sagittal T5-T12 | 0.5378 | | 0.2763 | | 0.1450 | | | |
| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest | | | | | |
| Sagittal T5-T12 | | 0.7600 | 0.1398 | | 0.0477 | | | |
| 6W. Sagittal T5-T12 | | 0.1590 | 0.0352 | | 0.0045 | | | |
| 6M. Sagittal T5-T12 | | 0.1243 | 0.0283 | | 0.0029 | | | |
| 1Y. Sagittal T5-T12 | | 0.1675 | 0.0333 | | 0.0048 | | | |
| 2Y. Sagittal T5-T12 | | 0.6096 | 0.0049 | | 0.0003 | | | |
| 5Y. Sagittal T5-T12 | | 0.0791 | 0.0505 | | 0.0096 | | | |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 | | | |
| Sagittal T5-T12 | 0.03763441 | 0.1114 | 0.8196 | 0.9516 | 4.8073 | | | |
| 6W. Sagittal T5-T12 | 0.16935484 | 0.0108 | 1.0572 | 0.8728 | -4.8907 | | | |
| 6M. Sagittal T5-T12 | 0.17473118 | 0.0083 | 1.4972 | 0.7717 | -4.8570 | | | |
| 1Y. Sagittal T5-T12 | 0.20430108 | 0.0173 | 1.3619 | 0.8077 | -4.6338 | | | |
| 2Y. Sagittal T5-T12 | 0.25806452 | 0.0044 | -1.4361 | 0.8381 | -7.0140 | | | |
| 5Y. Sagittal T5-T12 | 0.61021505 | 0.0148 | 3.3196 | 0.6206 | -7.5797 | | | |
| | p.val_3.1 | diff_3.2 | p.val_3.2 | | | | | |
| Sagittal T5-T12 | 0.0955 | 3.9877 | 0.3892 | | | | | |
| 6W. Sagittal T5-T12 | 0.0192 | -5.9479 | 0.0317 | | | | | |
| 6M. Sagittal T5-T12 | 0.0194 | -6.3542 | 0.0220 | | | | | |
| 1Y. Sagittal T5-T12 | 0.0344 | -5.9957 | 0.0371 | | | | | |
| 2Y. Sagittal T5-T12 | 0.0032 | -5.5780 | 0.1066 | | | | | |
| 5Y. Sagittal T5-T12 | 0.0472 | -10.8994 | 0.0198 | | | | | |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| | t0 | t1 | 1 | 2 | 3 | All |
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all | | | | | |
| Sagittal T2-T12 | 0.4456 | | 0.1623 | | 0.8989 | | | |
| 6W. Sagittal T2-T12 | 0.3714 | | 0.1200 | | 0.0993 | | | |

| | | | |
|---------------------|---------------------|-------------|---------------------|
| 6M. Sagittal T2-T12 | 0.6610 | 0.4433 | 0.1226 |
| 1Y. Sagittal T2-T12 | 0.6710 | 0.4472 | 0.2555 |
| 2Y. Sagittal T2-T12 | 0.9855 | 0.9748 | 0.1764 |
| 5Y. Sagittal T2-T12 | 0.4847 | 0.2346 | 0.4641 |
| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest |
| Sagittal T2-T12 | 0.8797 | 0.2955 | 0.1621 |
| 6W. Sagittal T2-T12 | 0.0502 | 0.0191 | 0.0014 |
| 6M. Sagittal T2-T12 | 0.0670 | 0.0531 | 0.0089 |
| 1Y. Sagittal T2-T12 | 0.1712 | 0.0933 | 0.0262 |
| 2Y. Sagittal T2-T12 | 0.0989 | 0.2225 | 0.1023 |
| 5Y. Sagittal T2-T12 | 0.3705 | 0.0721 | 0.0187 |
| | perc_missing | p.val_all | diff_2.1 |
| Sagittal T2-T12 | 0.03225806 | 0.3042 | 1.6588 |
| 6W. Sagittal T2-T12 | 0.16666667 | 0.0021 | 2.4057 |
| 6M. Sagittal T2-T12 | 0.16666667 | 0.0137 | 3.5000 |
| 1Y. Sagittal T2-T12 | 0.19623656 | 0.0654 | 2.2894 |
| 2Y. Sagittal T2-T12 | 0.25000000 | 0.1077 | 3.6002 |
| 5Y. Sagittal T2-T12 | 0.61290323 | 0.0631 | 1.5950 |
| | p.val_2.1 | diff_3.1 | |
| Sagittal T2-T12 | 0.8295 | 3.7141 | |
| 6W. Sagittal T2-T12 | 0.5648 | -5.8188 | |
| 6M. Sagittal T2-T12 | 0.3182 | -3.9693 | |
| 1Y. Sagittal T2-T12 | 0.6095 | -3.6016 | |
| 2Y. Sagittal T2-T12 | 0.3210 | -2.1489 | |
| 5Y. Sagittal T2-T12 | 0.9037 | -6.8835 | |
| | p.val_3.1 | diff_3.2 | p.val_3.2 |
| Sagittal T2-T12 | 0.2744 | 2.0554 | 0.7926 |
| 6W. Sagittal T2-T12 | 0.0095 | -8.2246 | 0.0047 |
| 6M. Sagittal T2-T12 | 0.1058 | -7.4693 | 0.0131 |
| 1Y. Sagittal T2-T12 | 0.1815 | -5.8909 | 0.0700 |
| 2Y. Sagittal T2-T12 | 0.5713 | -5.7492 | 0.0878 |
| 5Y. Sagittal T2-T12 | 0.0920 | -8.4784 | 0.1080 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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 |
|-----------------------------|---------------------|-------------|---------------------|-------------|--------|-------|--------|
| 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.all | p.val_1.vs_the_rest | p.val_2.all | | | |
| Lordosis (top of L1-S1) | 18.14 | 0.0696 | | 0.0016 | 0.0001 | | |
| 6W. Lordosis (top of L1-S1) | 13.40 | 0.4500 | | 0.1580 | 0.5788 | | |
| 6M. Lordosis (top of L1-S1) | 12.64 | 0.4107 | | 0.1429 | 0.0538 | | |
| 1Y. Lordosis (top of L1-S1) | 13.11 | 0.3932 | | 0.1246 | 0.0993 | | |
| 2Y. Lordosis (top of L1-S1) | 12.56 | 0.4529 | | 0.1773 | 0.0514 | | |
| 5Y. Lordosis (top of L1-S1) | 15.57 | 0.3600 | | 0.0876 | 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 |

| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 |
|-----------------------------|--------------|-----------|----------|-----------|----------|
| Lordosis (top of L1-S1) | 0.005376344 | 0.0000 | 7.9082 | 0.0096 | -15.6960 |
| 6W. Lordosis (top of L1-S1) | 0.075268817 | 0.1032 | 0.2917 | 0.9902 | -3.5468 |
| 6M. Lordosis (top of L1-S1) | 0.104838710 | 0.0001 | 3.7545 | 0.1931 | -5.7559 |
| 1Y. Lordosis (top of L1-S1) | 0.134408602 | 0.0006 | 2.8539 | 0.3932 | -5.8309 |
| 2Y. Lordosis (top of L1-S1) | 0.217741935 | 0.0004 | 3.5525 | 0.2885 | -6.1003 |
| 5Y. Lordosis (top of L1-S1) | 0.604838710 | 0.0574 | -0.6623 | 0.9800 | -7.2591 |

| | p.val_3.1 | diff_3.2 | p.val_3.2 |
|-----------------------------|-----------|----------|-----------|
| Lordosis (top of L1-S1) | 0.0000 | -23.6042 | 0.0000 |
| 6W. Lordosis (top of L1-S1) | 0.1096 | -3.8385 | 0.2474 |
| 6M. Lordosis (top of L1-S1) | 0.0034 | -9.5103 | 0.0002 |
| 1Y. Lordosis (top of L1-S1) | 0.0048 | -8.6848 | 0.0012 |
| 2Y. Lordosis (top of L1-S1) | 0.0070 | -9.6528 | 0.0006 |
| 5Y. Lordosis (top of L1-S1) | 0.0513 | -6.5969 | 0.2127 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all |
|----------------------|-------------|---------------------|-------------|
| Pelvic Incidence | 0.3184 | | 0.3526 |
| 6W. Pelvic Incidence | 0.2941 | | 0.2765 |
| 6M. Pelvic Incidence | 0.3097 | | 0.7222 |
| 1Y. Pelvic Incidence | 0.5478 | | 0.1240 |
| 2Y. Pelvic Incidence | 0.5221 | | 0.1860 |
| 5Y. Pelvic Incidence | 0.8182 | | 0.1581 |

| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest |
|----------------------|---------------------|-------------|---------------------|
| Pelvic Incidence | 0.2681 | 0.0091 | 0.0008 |
| 6W. Pelvic Incidence | 0.2012 | 0.0045 | 0.0002 |
| 6M. Pelvic Incidence | 0.6754 | 0.0406 | 0.0074 |
| 1Y. Pelvic Incidence | 0.0685 | 0.0212 | 0.0026 |
| 2Y. Pelvic Incidence | 0.1084 | 0.0232 | 0.0028 |

| | | | | | |
|----------------------|--------------|-----------|-----------|-----------|----------|
| 5Y. Pelvic Incidence | | 0.0877 | 0.3659 | 0.2454 | |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 |
| Pelvic Incidence | 0.01075269 | 0.0075 | 0.5774 | 0.9483 | -4.5890 |
| 6W. Pelvic Incidence | 0.08870968 | 0.0033 | 0.8609 | 0.8995 | -5.0426 |
| 6M. Pelvic Incidence | 0.10752688 | 0.0430 | -0.5029 | 0.9643 | -3.9380 |
| 1Y. Pelvic Incidence | 0.13709677 | 0.0090 | 2.2183 | 0.4845 | -3.9318 |
| 2Y. Pelvic Incidence | 0.22580645 | 0.0147 | 1.8270 | 0.6183 | -3.8968 |
| 5Y. Pelvic Incidence | 0.60483871 | 0.1774 | 4.1316 | 0.2825 | -1.4295 |
| | p.val_3.1 | diff_3.2 | p.val_3.2 | | |
| Pelvic Incidence | 0.0103 | -5.1664 | 0.0350 | | |
| 6W. Pelvic Incidence | 0.0052 | -5.9035 | 0.0191 | | |
| 6M. Pelvic Incidence | 0.0362 | -3.4351 | 0.2493 | | |
| 1Y. Pelvic Incidence | 0.0405 | -6.1501 | 0.0122 | | |
| 2Y. Pelvic Incidence | 0.0521 | -5.7238 | 0.0210 | | |
| 5Y. Pelvic Incidence | 0.8241 | -5.5612 | 0.1670 | | |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| | t0 | t1 | 1 | 2 | 3 | All |
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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 |
| Pelvic Tilt | 21.99 | 10.97 | 24.33 | 10.68 | 27.72 | 8.21 | 13.63 | 8.12 |
| 6W. Pelvic Tilt | 18.18 | 9.64 | 19.76 | 9.47 | 22.18 | 8.79 | 12.62 | 8.05 |
| 6M. Pelvic Tilt | 19.60 | 10.05 | 21.42 | 9.50 | 24.40 | 9.47 | 13.25 | 8.40 |
| 1Y. Pelvic Tilt | 19.40 | 10.25 | 20.95 | 10.09 | 24.32 | 8.30 | 13.18 | 8.80 |
| 2Y. Pelvic Tilt | 19.25 | 9.43 | 21.14 | 8.72 | 24.20 | 8.37 | 12.91 | 7.93 |
| 5Y. Pelvic Tilt | 21.93 | 9.91 | 23.68 | 8.89 | 27.04 | 8.52 | 14.67 | 9.04 |
| | p.val_1.all | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | | | | |
| Pelvic Tilt | 0.0143 | | 0.0000 | 0.0000 | | | 0.0000 | |
| 6W. Pelvic Tilt | 0.0685 | | 0.0006 | 0.0030 | | | 0.0006 | |
| 6M. Pelvic Tilt | 0.0415 | | 0.0002 | 0.0011 | | | 0.0001 | |
| 1Y. Pelvic Tilt | 0.1039 | | 0.0024 | 0.0002 | | | 0.0000 | |
| 2Y. Pelvic Tilt | 0.0386 | | 0.0005 | 0.0002 | | | 0.0000 | |
| 5Y. Pelvic Tilt | 0.1751 | | 0.0208 | 0.0071 | | | 0.0013 | |
| | p.val_3.all | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | | | |
| Pelvic Tilt | 0 | | 0 | 0.02688172 | 0 | 3.3899 | | |
| 6W. Pelvic Tilt | 0 | | 0 | 0.09139785 | 0 | 2.4228 | | |
| 6M. Pelvic Tilt | 0 | | 0 | 0.11290323 | 0 | 2.9770 | | |
| 1Y. Pelvic Tilt | 0 | | 0 | 0.14247312 | 0 | 3.3777 | | |
| 2Y. Pelvic Tilt | 0 | | 0 | 0.22849462 | 0 | 3.0616 | | |
| 5Y. Pelvic Tilt | 0 | | 0 | 0.60483871 | 0 | 3.3603 | | |
| | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 | | | |
| Pelvic Tilt | 0.0406 | -10.7004 | 0 | -14.0903 | 0 | | | |
| 6W. Pelvic Tilt | 0.1893 | -7.1368 | 0 | -9.5595 | 0 | | | |
| 6M. Pelvic Tilt | 0.0964 | -8.1727 | 0 | -11.1497 | 0 | | | |

| | | | | | |
|-----------------|--------|---------|---|----------|---|
| 1Y. Pelvic Tilt | 0.0577 | -7.7712 | 0 | -11.1489 | 0 |
| 2Y. Pelvic Tilt | 0.0597 | -8.2268 | 0 | -11.2883 | 0 |
| 5Y. Pelvic Tilt | 0.1988 | -9.0166 | 0 | -12.3769 | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all | | | | | |
| Sacral Slope | 0.3286 | | 0.0679 | | 0.0039 | | | |
| 6W. Sacral Slope | 0.7005 | | 0.4729 | | 0.2811 | | | |
| 6M. Sacral Slope | 0.4031 | | 0.1135 | | 0.0119 | | | |
| 1Y. Sacral Slope | 0.2809 | | 0.0460 | | 0.1673 | | | |
| 2Y. Sacral Slope | 0.3319 | | 0.0890 | | 0.1534 | | | |
| 5Y. Sacral Slope | 0.1428 | | 0.0069 | | 0.5300 | | | |
| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest | | | | | |
| Sacral Slope | | 0.0006 | 0.0000 | | 0.0000 | | | |
| 6W. Sacral Slope | | 0.2030 | 0.0948 | | 0.0296 | | | |
| 6M. Sacral Slope | | 0.0032 | 0.0002 | | 0.0000 | | | |
| 1Y. Sacral Slope | | 0.1008 | 0.0044 | | 0.0002 | | | |
| 2Y. Sacral Slope | | 0.0830 | 0.0061 | | 0.0003 | | | |
| 5Y. Sacral Slope | | 0.4469 | 0.0027 | | 0.0001 | | | |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 | | |
| Sacral Slope | 0.01344086 | 0.0000 | -3.5244 | 0.0592 | 5.6158 | 0.0001 | | |
| 6W. Sacral Slope | 0.08333333 | 0.0800 | -1.5493 | 0.5797 | 2.1170 | 0.2155 | | |
| 6M. Sacral Slope | 0.10752688 | 0.0000 | -3.3088 | 0.0746 | 4.5668 | 0.0007 | | |
| 1Y. Sacral Slope | 0.13440860 | 0.0009 | -1.0449 | 0.7552 | 4.1462 | 0.0024 | | |
| 2Y. Sacral Slope | 0.22580645 | 0.0016 | -1.3894 | 0.6673 | 4.2639 | 0.0063 | | |
| 5Y. Sacral Slope | 0.60483871 | 0.0008 | 0.7725 | 0.9374 | 7.6140 | 0.0006 | | |
| | diff_3.2 | p.val_3.2 | | | | | | |
| Sacral Slope | 9.1402 | 0.0000 | | | | | | |
| 6W. Sacral Slope | 3.6663 | 0.0841 | | | | | | |
| 6M. Sacral Slope | 7.8756 | 0.0000 | | | | | | |
| 1Y. Sacral Slope | 5.1912 | 0.0044 | | | | | | |
| 2Y. Sacral Slope | 5.6534 | 0.0044 | | | | | | |
| 5Y. Sacral Slope | 6.8414 | 0.0217 | | | | | | |

| | t0 | t1 | 1 | 2 | 3 | All |
|--|----|----|---|---|---|-----|
|--|----|----|---|---|---|-----|

| | <char> | <glue> | <num> | <num> | <num> | <num> |
|----|--------|--------|--------|--------|--------|--------|
| 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.all |
|---------|----------|--------|--------|-------|--------|-------|--------|-------|-------------|
| RLL | -18.81 | 20.26 | -22.55 | 18.10 | -30.81 | 18.11 | -3.79 | 17.01 | 0.0238 |
| 6W. RLL | -11.30 | 13.07 | -13.11 | 13.09 | -13.94 | 12.33 | -6.08 | 12.08 | 0.1288 |
| 6M. RLL | -11.56 | 13.38 | -13.32 | 12.36 | -16.63 | 15.43 | -5.33 | 11.87 | 0.1337 |
| 1Y. RLL | -11.22 | 13.90 | -12.67 | 13.41 | -17.05 | 14.32 | -4.54 | 12.13 | 0.2530 |
| 2Y. RLL | -10.54 | 14.13 | -12.03 | 14.26 | -17.09 | 13.93 | -3.85 | 11.20 | 0.3004 |
| 5Y. RLL | -12.40 | 14.34 | -14.20 | 13.96 | -16.10 | 12.46 | -6.05 | 14.70 | 0.3595 |

| | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | p.val_3.all |
|---------|---------------------|-------------|---------------------|-------------|
| RLL | 0.0001 | 0.0000 | 0.0000 | 0.0000 |
| 6W. RLL | 0.0037 | 0.1518 | 0.0936 | 0.0004 |
| 6M. RLL | 0.0085 | 0.0271 | 0.0092 | 0.0000 |
| 1Y. RLL | 0.0365 | 0.0070 | 0.0014 | 0.0000 |
| 2Y. RLL | 0.0653 | 0.0022 | 0.0002 | 0.0000 |
| 5Y. RLL | 0.0979 | 0.1679 | 0.0987 | 0.0191 |

| | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 |
|---------|---------------------|--------------|-----------|----------|-----------|----------|
| RLL | 0.0000 | 0.01344086 | 0.000 | -8.2597 | 0.0040 | 18.7684 |
| 6W. RLL | 0.0000 | 0.09408602 | 0.000 | -0.8319 | 0.9054 | 7.0310 |
| 6M. RLL | 0.0000 | 0.11021505 | 0.000 | -3.3107 | 0.2212 | 7.9895 |
| 1Y. RLL | 0.0000 | 0.14516129 | 0.000 | -4.3736 | 0.0862 | 8.1319 |
| 2Y. RLL | 0.0000 | 0.22580645 | 0.000 | -5.0666 | 0.0463 | 8.1754 |
| 5Y. RLL | 0.0021 | 0.60483871 | 0.004 | -1.8993 | 0.8080 | 8.1456 |

| | p.val_3.1 | diff_3.2 | p.val_3.2 |
|---------|-----------|----------|-----------|
| RLL | 0.0000 | 27.0281 | 0.0000 |
| 6W. RLL | 0.0000 | 7.8630 | 0.0010 |
| 6M. RLL | 0.0000 | 11.3002 | 0.0000 |
| 1Y. RLL | 0.0000 | 12.5056 | 0.0000 |
| 2Y. RLL | 0.0000 | 13.2420 | 0.0000 |
| 5Y. RLL | 0.0088 | 10.0448 | 0.0113 |

| | t0 | t1 | 1 | 2 | 3 | All |
|--------|--------|-------|--------|--------|--------|--------|
| <char> | <glue> | <num> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest |
|-----------------|-------------|---------------------|-------------|---------------------|
| Global Tilt | 0.0293 | | 0.0001 | 0.0000 |
| 6W. Global Tilt | 0.0452 | | 0.0002 | 0.0015 |
| 6M. Global Tilt | 0.0502 | | 0.0005 | 0.0015 |
| 1Y. Global Tilt | 0.2155 | | 0.0185 | 0.0001 |
| 2Y. Global Tilt | 0.0367 | | 0.0007 | 0.0000 |
| 5Y. Global Tilt | 0.2509 | | 0.0391 | 0.0030 |

| | p.val_3.all | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 |
|-----------------|-------------|---------------------|--------------|------------|----------|
| Global Tilt | 0 | | 0 | 0.05913978 | 0 |
| 6W. Global Tilt | 0 | | 0 | 0.19892473 | 0 |
| 6M. Global Tilt | 0 | | 0 | 0.20161290 | 0 |
| 1Y. Global Tilt | 0 | | 0 | 0.22849462 | 0 |
| 2Y. Global Tilt | 0 | | 0 | 0.27688172 | 0 |
| 5Y. Global Tilt | 0 | | 0 | 0.60483871 | 0 |

| | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 |
|-----------------|-----------|----------|-----------|----------|-----------|
| Global Tilt | 0.0003 | -18.3989 | 0 | -27.0076 | 0 |
| 6W. Global Tilt | 0.1883 | -10.3828 | 0 | -13.4588 | 0 |
| 6M. Global Tilt | 0.0978 | -11.5026 | 0 | -15.6401 | 0 |
| 1Y. Global Tilt | 0.0096 | -10.6488 | 0 | -16.6955 | 0 |
| 2Y. Global Tilt | 0.0068 | -13.1578 | 0 | -19.1679 | 0 |
| 5Y. Global Tilt | 0.1102 | -13.0567 | 0 | -18.9953 | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|-------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all |
|----------------------|-------------|---------------------|-------------|
| T1 Sagittal Tilt | 0.7062 | | 0.4938 |
| 6W. T1 Sagittal Tilt | 0.5625 | | 0.2665 |
| 6M. T1 Sagittal Tilt | 0.9935 | | 0.9879 |
| 1Y. T1 Sagittal Tilt | 0.9254 | | 0.8584 |

| | | | |
|----------------------|---------------------|-------------|---------------------|
| 2Y. T1 Sagittal Tilt | 0.6890 | 0.4744 | 0.0148 |
| 5Y. T1 Sagittal Tilt | 0.9093 | 0.8153 | 0.0656 |
| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest |
| T1 Sagittal Tilt | 0.0000 | 0.0000 | 0.0000 |
| 6W. T1 Sagittal Tilt | 0.6989 | 0.2091 | 0.1005 |
| 6M. T1 Sagittal Tilt | 0.0217 | 0.0407 | 0.0087 |
| 1Y. T1 Sagittal Tilt | 0.0136 | 0.0727 | 0.0218 |
| 2Y. T1 Sagittal Tilt | 0.0037 | 0.0003 | 0.0000 |
| 5Y. T1 Sagittal Tilt | 0.0270 | 0.1027 | 0.0447 |
| | perc_missing | p.val_all | diff_2.1 |
| T1 Sagittal Tilt | 0.1344086 | 0.0000 | 3.8646 |
| 6W. T1 Sagittal Tilt | 0.2715054 | 0.2959 | -0.0199 |
| 6M. T1 Sagittal Tilt | 0.2338710 | 0.0057 | 1.5943 |
| 1Y. T1 Sagittal Tilt | 0.2795699 | 0.0093 | 1.8230 |
| 2Y. T1 Sagittal Tilt | 0.3091398 | 0.0000 | 2.0501 |
| 5Y. T1 Sagittal Tilt | 0.6075269 | 0.0584 | 1.8428 |
| | p.val_2.1 | diff_3.1 | |
| T1 Sagittal Tilt | 0.0000 | -3.1886 | |
| 6W. T1 Sagittal Tilt | 0.9995 | -0.8546 | |
| 6M. T1 Sagittal Tilt | 0.0633 | -0.9150 | |
| 1Y. T1 Sagittal Tilt | 0.0707 | -1.0403 | |
| 2Y. T1 Sagittal Tilt | 0.0174 | -1.8016 | |
| 5Y. T1 Sagittal Tilt | 0.1940 | -1.0357 | |
| | p.val_3.1 | diff_3.2 | p.val_3.2 |
| T1 Sagittal Tilt | 0.0001 | -7.0532 | 0.0000 |
| 6W. T1 Sagittal Tilt | 0.2872 | -0.8347 | 0.5113 |
| 6M. T1 Sagittal Tilt | 0.2526 | -2.5093 | 0.0038 |
| 1Y. T1 Sagittal Tilt | 0.3123 | -2.8633 | 0.0065 |
| 2Y. T1 Sagittal Tilt | 0.0100 | -3.8517 | 0.0000 |
| 5Y. T1 Sagittal Tilt | 0.5220 | -2.8785 | 0.0467 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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 |

[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.all | p.val_1.vs_the_rest | p.val_2.all | | | | | |
| Thoracolumbar L2-T10 | 0.6943 | | 0.4685 | | 0.4591 | | | |
| 6W. Thoracolumbar L2-T10 | 0.3107 | | 0.0594 | | 0.1203 | | | |
| 6M. Thoracolumbar L2-T10 | 0.1357 | | 0.0086 | | 0.2253 | | | |
| 1Y. Thoracolumbar L2-T10 | 0.0523 | | 0.0006 | | 0.2291 | | | |
| 2Y. Thoracolumbar L2-T10 | 0.2195 | | 0.0299 | | 0.1916 | | | |
| 5Y. Thoracolumbar L2-T10 | 0.3923 | | 0.1257 | | 0.2332 | | | |
| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest | | | | | |
| Thoracolumbar L2-T10 | | 0.3788 | | 0.2669 | | | 0.1370 | |
| 6W. Thoracolumbar L2-T10 | | 0.0693 | | 0.0152 | | | 0.0010 | |

| | | | | |
|--------------------------|--------------|-----------|-----------|--------------------|
| 6M. Thoracolumbar L2-T10 | | 0.1572 | 0.0089 | 0.0004 |
| 1Y. Thoracolumbar L2-T10 | | 0.1571 | 0.0007 | 0.0000 |
| 2Y. Thoracolumbar L2-T10 | | 0.1162 | 0.0071 | 0.0003 |
| 5Y. Thoracolumbar L2-T10 | | 0.1537 | 0.0435 | 0.0075 |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 diff_3.1 |
| Thoracolumbar L2-T10 | 0.05107527 | 0.2903 | 1.2617 | 0.9065 -3.3730 |
| 6W. Thoracolumbar L2-T10 | 0.17741935 | 0.0028 | 1.2235 | 0.8062 -4.9780 |
| 6M. Thoracolumbar L2-T10 | 0.19354839 | 0.0003 | 0.2348 | 0.9917 -6.1706 |
| 1Y. Thoracolumbar L2-T10 | 0.21236559 | 0.0000 | -0.2437 | 0.9917 -8.0058 |
| 2Y. Thoracolumbar L2-T10 | 0.26344086 | 0.0011 | 0.7444 | 0.9288 -5.9437 |
| 5Y. Thoracolumbar L2-T10 | 0.60752688 | 0.0134 | 1.4720 | 0.8865 -7.4924 |
| | p.val_3.1 | diff_3.2 | p.val_3.2 | |
| Thoracolumbar L2-T10 | 0.3784 | -4.6347 | 0.3429 | |
| 6W. Thoracolumbar L2-T10 | 0.0064 | -6.2015 | 0.0115 | |
| 6M. Thoracolumbar L2-T10 | 0.0004 | -6.4054 | 0.0078 | |
| 1Y. Thoracolumbar L2-T10 | 0.0000 | -7.7621 | 0.0012 | |
| 2Y. Thoracolumbar L2-T10 | 0.0021 | -6.6880 | 0.0079 | |
| 5Y. Thoracolumbar L2-T10 | 0.0225 | -8.9645 | 0.0333 | |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all |
|---------|---------------------|--------------|---------------------|-------------|-----------|----------|--------|-------|-------------|
| RSA | 15.26 | 15.41 | 18.19 | 14.95 | 26.40 | 11.11 | 1.87 | 8.01 | 0.0311 |
| 6W. RSA | 7.59 | 9.53 | 9.35 | 9.14 | 12.02 | 8.99 | 1.38 | 7.47 | 0.0530 |
| 6M. RSA | 9.46 | 10.88 | 11.41 | 9.96 | 15.62 | 10.56 | 1.94 | 8.62 | 0.0524 |
| 1Y. RSA | 9.81 | 11.07 | 11.27 | 10.82 | 16.16 | 9.23 | 2.34 | 8.57 | 0.1737 |
| 2Y. RSA | 10.09 | 11.67 | 12.40 | 9.72 | 17.87 | 11.23 | 1.34 | 9.48 | 0.0356 |
| 5Y. RSA | 13.54 | 12.84 | 16.07 | 12.10 | 20.03 | 10.37 | 3.70 | 10.41 | 0.1428 |
| | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | p.val_3.all | | | | | |
| RSA | 0.0001 | 0.0000 | 0e+00 | 0 | | | | | |
| 6W. RSA | 0.0005 | 0.0018 | 2e-04 | 0 | | | | | |
| 6M. RSA | 0.0007 | 0.0003 | 0e+00 | 0 | | | | | |
| 1Y. RSA | 0.0113 | 0.0000 | 0e+00 | 0 | | | | | |
| 2Y. RSA | 0.0010 | 0.0000 | 0e+00 | 0 | | | | | |
| 5Y. RSA | 0.0091 | 0.0056 | 1e-03 | 0 | | | | | |
| | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 | | | |
| RSA | 0 | 0.05913978 | 0 | 8.2106 | 0.0000 | -16.3185 | | | |
| 6W. RSA | 0 | 0.19892473 | 0 | 2.6694 | 0.1317 | -7.9719 | | | |
| 6M. RSA | 0 | 0.20161290 | 0 | 4.2035 | 0.0202 | -9.4684 | | | |
| 1Y. RSA | 0 | 0.22849462 | 0 | 4.8926 | 0.0072 | -8.9313 | | | |
| 2Y. RSA | 0 | 0.27688172 | 0 | 5.4638 | 0.0025 | -11.0656 | | | |
| 5Y. RSA | 0 | 0.60483871 | 0 | 3.9556 | 0.2551 | -12.3709 | | | |
| | p.val_3.1 | diff_3.2 | p.val_3.2 | | | | | | |

| | | | |
|---------|---|----------|---|
| RSA | 0 | -24.5291 | 0 |
| 6W. RSA | 0 | -10.6413 | 0 |
| 6M. RSA | 0 | -13.6719 | 0 |
| 1Y. RSA | 0 | -13.8238 | 0 |
| 2Y. RSA | 0 | -16.5294 | 0 |
| 5Y. RSA | 0 | -16.3265 | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | | |
|---------|---------------------|--------|--------------|------------|---------------------|--------|-------------|------|-------------|--|----------|
| RPV | -8.42 | 9.15 | -10.11 | 8.94 | -13.87 | 6.63 | -1.67 | 6.86 | 0.0339 | | |
| 6W. RPV | -5.03 | 7.61 | -6.15 | 7.18 | -8.20 | 8.06 | -0.94 | 6.56 | 0.0940 | | |
| 6M. RPV | -6.49 | 7.91 | -7.98 | 7.33 | -10.99 | 7.54 | -1.09 | 6.24 | 0.0322 | | |
| 1Y. RPV | -6.39 | 7.94 | -7.75 | 7.63 | -10.10 | 6.42 | -1.35 | 7.02 | 0.0600 | | |
| 2Y. RPV | -6.14 | 7.76 | -7.64 | 7.08 | -10.10 | 7.03 | -1.07 | 6.79 | 0.0435 | | |
| 5Y. RPV | -8.42 | 8.24 | -10.34 | 7.19 | -12.01 | 7.16 | -1.89 | 7.49 | 0.0688 | | |
| | p.val_1.vs_the_rest | | p.val_2.all | | p.val_2.vs_the_rest | | p.val_3.all | | | | |
| RPV | | 0.0001 | | 0.0000 | | 0.0000 | | 0 | | | |
| 6W. RPV | | 0.0024 | | 0.0086 | | 0.0021 | | 0 | | | |
| 6M. RPV | | 0.0001 | | 0.0001 | | 0.0000 | | 0 | | | |
| 1Y. RPV | | 0.0006 | | 0.0003 | | 0.0000 | | 0 | | | |
| 2Y. RPV | | 0.0007 | | 0.0004 | | 0.0000 | | 0 | | | |
| 5Y. RPV | | 0.0021 | | 0.0223 | | 0.0064 | | 0 | | | |
| | p.val_3.vs_the_rest | | perc_missing | | p.val_all | | diff_2.1 | | p.val_2.1 | | diff_3.1 |
| RPV | | 0 | | 0.01612903 | | 0 | -3.7609 | | 0.0037 | | 8.4391 |
| 6W. RPV | | 0 | | 0.08870968 | | 0 | -2.0573 | | 0.1511 | | 5.2020 |
| 6M. RPV | | 0 | | 0.10752688 | | 0 | -3.0122 | | 0.0182 | | 6.8905 |
| 1Y. RPV | | 0 | | 0.13978495 | | 0 | -2.3487 | | 0.0960 | | 6.4058 |
| 2Y. RPV | | 0 | | 0.22311828 | | 0 | -2.4578 | | 0.0704 | | 6.5722 |
| 5Y. RPV | | 0 | | 0.60483871 | | 0 | -1.6659 | | 0.5500 | | 8.4577 |
| | p.val_3.1 | | diff_3.2 | | p.val_3.2 | | | | | | |
| RPV | | 0 | 12.2000 | | 0 | | | | | | |
| 6W. RPV | | 0 | 7.2593 | | 0 | | | | | | |
| 6M. RPV | | 0 | 9.9026 | | 0 | | | | | | |
| 1Y. RPV | | 0 | 8.7545 | | 0 | | | | | | |
| 2Y. RPV | | 0 | 9.0300 | | 0 | | | | | | |
| 5Y. RPV | | 0 | 10.1236 | | 0 | | | | | | |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all |
|---------------------|-------------|---------------------|-------------|
| ODI - Score (%) | 0.0373 | 0.0022 | 0 |
| 6M. ODI - Score (%) | 0.9564 | 0.9258 | 0 |
| 1Y. ODI - Score (%) | 0.6324 | 0.4113 | 0 |
| 2Y. ODI - Score (%) | 0.7654 | 0.6072 | 0 |
| 5Y. ODI - Score (%) | 0.6203 | 0.3586 | 0 |

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

| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 |
|---------------------|--------------|-----------|----------|-----------|----------|
| ODI - Score (%) | 0.04569892 | 0 | 21.5712 | 0 | -24.1695 |
| 6M. ODI - Score (%) | 0.09946237 | 0 | 16.9749 | 0 | -10.4403 |
| 1Y. ODI - Score (%) | 0.09408602 | 0 | 18.1979 | 0 | -13.6348 |
| 2Y. ODI - Score (%) | 0.08333333 | 0 | 22.2768 | 0 | -15.3162 |
| 5Y. ODI - Score (%) | 0.32795699 | 0 | 19.6424 | 0 | -17.2022 |

| | p.val_3.1 | diff_3.2 | p.val_3.2 |
|---------------------|-----------|----------|-----------|
| ODI - Score (%) | 0 | -45.7407 | 0 |
| 6M. ODI - Score (%) | 0 | -27.4152 | 0 |
| 1Y. ODI - Score (%) | 0 | -31.8328 | 0 |
| 2Y. ODI - Score (%) | 0 | -37.5930 | 0 |
| 5Y. ODI - Score (%) | 0 | -36.8447 | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest |
|---------------------------------|------|-------------|---------------------|
| SRS22 - Function / Activity | 0.70 | 0.0114 | 0.0005 |
| 6M. SRS22 - Function / Activity | 0.79 | 0.2779 | 0.0868 |
| 1Y. SRS22 - Function / Activity | 0.73 | 0.1469 | 0.0198 |
| 2Y. SRS22 - Function / Activity | 0.66 | 0.0494 | 0.0018 |
| 5Y. SRS22 - Function / Activity | 0.78 | 0.5354 | 0.3013 |

| | p.val_2.all | 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 | perc_missing | p.val_all |
|---------------------------------|---------------------|--------------|-----------|
| SRS22 - Function / Activity | 0 | 0.04301075 | 0 |
| 6M. SRS22 - Function / Activity | 0 | 0.09139785 | 0 |
| 1Y. SRS22 - Function / Activity | 0 | 0.09139785 | 0 |
| 2Y. SRS22 - Function / Activity | 0 | 0.08333333 | 0 |
| 5Y. SRS22 - Function / Activity | 0 | 0.32258065 | 0 |

| | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 |
|---------------------------------|----------|-----------|----------|-----------|----------|
| SRS22 - Function / Activity | -0.8312 | 0 | 1.0758 | 0 | 1.9070 |
| 6M. SRS22 - Function / Activity | -0.5936 | 0 | 0.6231 | 0 | 1.2167 |
| 1Y. SRS22 - Function / Activity | -0.7106 | 0 | 0.7981 | 0 | 1.5088 |
| 2Y. SRS22 - Function / Activity | -0.7038 | 0 | 0.9369 | 0 | 1.6407 |
| 5Y. SRS22 - Function / Activity | -0.7768 | 0 | 0.7144 | 0 | 1.4912 |

| | p.val_3.2 |
|---------------------------------|-----------|
| SRS22 - Function / Activity | 0 |
| 6M. SRS22 - Function / Activity | 0 |
| 1Y. SRS22 - Function / Activity | 0 |
| 2Y. SRS22 - Function / Activity | 0 |
| 5Y. SRS22 - Function / Activity | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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 |
|--------------|----------|--------|--------|------|--------|------|--------|------|
| SRS22 - Pain | 2.62 | 0.97 | 2.48 | 0.70 | 1.52 | 0.47 | 3.60 | 0.78 |

| | | | | | | | | |
|------------------|---------------------|-----------|---------------------|--------|---------------------|----------|-----------|------|
| 6M. SRS22 - Pain | 3.42 | 0.90 | 3.46 | 0.83 | 2.79 | 0.90 | 3.75 | 0.84 |
| 1Y. SRS22 - Pain | 3.57 | 0.98 | 3.57 | 0.92 | 2.68 | 0.99 | 4.08 | 0.69 |
| 2Y. SRS22 - Pain | 3.49 | 1.09 | 3.49 | 1.02 | 2.51 | 1.08 | 4.07 | 0.77 |
| 5Y. SRS22 - Pain | 3.38 | 1.13 | 3.35 | 1.06 | 2.50 | 1.09 | 4.02 | 0.89 |
| | p.val_1.all | | p.val_1.vs_the_rest | | p.val_2.all | | | |
| SRS22 - Pain | 0.0456 | | 0.0032 | | 0 | | | |
| 6M. SRS22 - Pain | 0.6566 | | 0.4400 | | 0 | | | |
| 1Y. SRS22 - Pain | 0.9634 | | 0.9356 | | 0 | | | |
| 2Y. SRS22 - Pain | 0.9829 | | 0.9699 | | 0 | | | |
| 5Y. SRS22 - Pain | 0.8042 | | 0.6455 | | 0 | | | |
| | p.val_2.vs_the_rest | | p.val_3.all | | p.val_3.vs_the_rest | | | |
| SRS22 - Pain | | 0 | 0.0000 | | 0 | | | |
| 6M. SRS22 - Pain | | 0 | 0.0013 | | 0 | | | |
| 1Y. SRS22 - Pain | | 0 | 0.0000 | | 0 | | | |
| 2Y. SRS22 - Pain | | 0 | 0.0000 | | 0 | | | |
| 5Y. SRS22 - Pain | | 0 | 0.0000 | | 0 | | | |
| | perc_missing | p.val_all | diff_2.1 | | p.val_2.1 | diff_3.1 | p.val_3.1 | |
| SRS22 - Pain | 0.04301075 | 0 | -0.9584 | | 0 | 1.1176 | 0e+00 | |
| 6M. SRS22 - Pain | 0.09139785 | 0 | -0.6709 | | 0 | 0.2888 | 2e-02 | |
| 1Y. SRS22 - Pain | 0.09139785 | 0 | -0.8886 | | 0 | 0.5153 | 0e+00 | |
| 2Y. SRS22 - Pain | 0.08333333 | 0 | -0.9813 | | 0 | 0.5754 | 0e+00 | |
| 5Y. SRS22 - Pain | 0.32258065 | 0 | -0.8547 | | 0 | 0.6643 | 1e-04 | |
| | diff_3.2 | | p.val_3.2 | | | | | |
| SRS22 - Pain | 2.0760 | 0 | | | | | | |
| 6M. SRS22 - Pain | 0.9597 | 0 | | | | | | |
| 1Y. SRS22 - Pain | 1.4039 | 0 | | | | | | |
| 2Y. SRS22 - Pain | 1.5566 | 0 | | | | | | |
| 5Y. SRS22 - Pain | 1.5191 | 0 | | | | | | |
| | t0 | t1 | 1 | 2 | 3 | All | | |
| | <char> | <glue> | <num> | <num> | <num> | <num> | | |
| 1: | Preop | 2Y | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | |
| 2: | Preop | 5Y | 0.0000 | 0.0000 | 0.0032 | 0.0000 | | |
| 3: | Preop | 6M | 0.0000 | 0.0000 | 0.2089 | 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.all | p.val_1.vs_the_rest | | |
| SRS22 - Self image / Appearance | 2.84 | 0.70 | 0.6715 | 0.4729 | | |
| 6M. SRS22 - Self image / Appearance | 3.82 | 0.71 | 0.9756 | 0.9574 | | |
| 1Y. SRS22 - Self image / Appearance | 3.91 | 0.67 | 0.8372 | 0.7309 | | |
| 2Y. SRS22 - Self image / Appearance | 3.95 | 0.76 | 0.8732 | 0.7884 | | |
| 5Y. SRS22 - Self image / Appearance | 3.90 | 0.74 | 0.8843 | 0.7879 | | |

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

| | p.val_3.vs_the_rest | perc_missing | p.val_all |
|-------------------------------------|---------------------|--------------|-----------|
| SRS22 - Self image / Appearance | 0 | 0.04301075 | 0 |
| 6M. SRS22 - Self image / Appearance | 0 | 0.09139785 | 0 |
| 1Y. SRS22 - Self image / Appearance | 0 | 0.09139785 | 0 |
| 2Y. SRS22 - Self image / Appearance | 0 | 0.08333333 | 0 |
| 5Y. SRS22 - Self image / Appearance | 0 | 0.32258065 | 0 |

| | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 |
|-------------------------------------|----------|-----------|----------|-----------|
| SRS22 - Self image / Appearance | -0.7962 | 0 | 0.3956 | 0.0000 |
| 6M. SRS22 - Self image / Appearance | -0.5472 | 0 | 0.3456 | 0.0016 |
| 1Y. SRS22 - Self image / Appearance | -0.7195 | 0 | 0.3788 | 0.0001 |
| 2Y. SRS22 - Self image / Appearance | -0.8189 | 0 | 0.5309 | 0.0000 |
| 5Y. SRS22 - Self image / Appearance | -0.7600 | 0 | 0.5450 | 0.0001 |

| | diff_3.2 | p.val_3.2 |
|-------------------------------------|----------|-----------|
| SRS22 - Self image / Appearance | 1.1919 | 0 |
| 6M. SRS22 - Self image / Appearance | 0.8928 | 0 |
| 1Y. SRS22 - Self image / Appearance | 1.0983 | 0 |
| 2Y. SRS22 - Self image / Appearance | 1.3499 | 0 |
| 5Y. SRS22 - Self image / Appearance | 1.3050 | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|--------|
| <char> | <glue> | <num> | <num> | <num> | <num> | <num> |
| 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 | 0.0000 | 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.all | p.val_1.vs_the_rest | p.val_2.all |
|---------------------------|-------------|---------------------|-------------|
| SRS22 - Mental health | 0.1557 | 0.0122 | 0 |
| 6M. SRS22 - Mental health | 0.4042 | 0.1156 | 0 |
| 1Y. SRS22 - Mental health | 0.3251 | 0.0802 | 0 |
| 2Y. SRS22 - Mental health | 0.2661 | 0.0394 | 0 |
| 5Y. SRS22 - Mental health | 0.2929 | 0.0521 | 0 |

| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest |
|---------------------------|---------------------|-------------|---------------------|
| SRS22 - Mental health | 0 | 0.0001 | 0e+00 |
| 6M. SRS22 - Mental health | 0 | 0.0023 | 1e-04 |
| 1Y. SRS22 - Mental health | 0 | 0.0008 | 0e+00 |

| | | | | |
|---------------------------|--------------|-----------|-----------|-----------|
| 2Y. SRS22 - Mental health | | 0 | 0.0002 | 0e+00 |
| 5Y. SRS22 - Mental health | | 0 | 0.0007 | 0e+00 |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 |
| SRS22 - Mental health | 0.04301075 | 0 | -1.0173 | 0 |
| 6M. SRS22 - Mental health | 0.09139785 | 0 | -0.6638 | 0 |
| 1Y. SRS22 - Mental health | 0.09139785 | 0 | -0.7517 | 0 |
| 2Y. SRS22 - Mental health | 0.08333333 | 0 | -0.9215 | 0 |
| 5Y. SRS22 - Mental health | 0.32258065 | 0 | -0.9893 | 0 |
| | p.val_3.1 | diff_3.2 | p.val_3.2 | |
| SRS22 - Mental health | 0.0206 | 1.2675 | 0 | |
| 6M. SRS22 - Mental health | 0.2001 | 0.8382 | 0 | |
| 1Y. SRS22 - Mental health | 0.1236 | 0.9424 | 0 | |
| 2Y. SRS22 - Mental health | 0.1323 | 1.1311 | 0 | |
| 5Y. SRS22 - Mental health | 0.0744 | 1.2523 | 0 | |

| | | | | | | |
|----|--------|--------|--------|--------|--------|--------|
| | t0 | t1 | 1 | 2 | 3 | All |
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all | p.val_1.vs_the_rest | p.val_2.all | | | |
| SRS22 - SRS Subtotal score | 0.56 | 0.4146 | | 0.2554 | | | 0 |
| 6M. SRS22 - SRS Subtotal score | 0.58 | 0.9195 | | 0.8648 | | | 0 |
| 1Y. SRS22 - SRS Subtotal score | 0.53 | 0.9588 | | 0.9329 | | | 0 |
| 2Y. SRS22 - SRS Subtotal score | 0.56 | 0.8231 | | 0.7066 | | | 0 |
| 5Y. SRS22 - SRS Subtotal score | 0.67 | 0.9124 | | 0.8442 | | | 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 | perc_missing | p.val_all | | | | |
| SRS22 - SRS Subtotal score | | 0 | 0.04301075 | | | | 0 |
| 6M. SRS22 - SRS Subtotal score | | 0 | 0.09139785 | | | | 0 |
| 1Y. SRS22 - SRS Subtotal score | | 0 | 0.09139785 | | | | 0 |
| 2Y. SRS22 - SRS Subtotal score | | 0 | 0.08333333 | | | | 0 |
| 5Y. SRS22 - SRS Subtotal score | | 0 | 0.31989247 | | | | 0 |
| | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 | | |
| SRS22 - SRS Subtotal score | -0.8943 | 0 | 0.7014 | | 0 | 1.5956 | |

| | | | | | | |
|-----|----------------------------|---------|---|--------|---|--------|
| 6M. | SRS22 - SRS Subtotal score | -0.6147 | 0 | 0.3579 | 0 | 0.9726 |
| 1Y. | SRS22 - SRS Subtotal score | -0.7608 | 0 | 0.4645 | 0 | 1.2253 |
| 2Y. | SRS22 - SRS Subtotal score | -0.8533 | 0 | 0.5636 | 0 | 1.4169 |
| 5Y. | SRS22 - SRS Subtotal score | -0.8214 | 0 | 0.5678 | 0 | 1.3891 |

p.val_3.2

| | |
|--------------------------------|---|
| SRS22 - SRS Subtotal score | 0 |
| 6M. SRS22 - SRS Subtotal score | 0 |
| 1Y. SRS22 - SRS Subtotal score | 0 |
| 2Y. SRS22 - SRS Subtotal score | 0 |
| 5Y. SRS22 - SRS Subtotal score | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 1: | Preop | 2Y | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2: | Preop | 5Y | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3: | Preop | 6M | 0.0000 | 0.0000 | 0.0003 | 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.all | |
| SRS22 - Satisfaction with management | 1.11 | 3.48 | 1.08 | 0.5939 | |
| 6M. SRS22 - Satisfaction with management | 1.08 | 4.48 | 0.58 | 0.8708 | |
| 1Y. SRS22 - Satisfaction with management | 1.17 | 4.53 | 0.60 | 0.9689 | |
| 2Y. SRS22 - Satisfaction with management | 1.29 | 4.53 | 0.65 | 0.4814 | |
| 5Y. SRS22 - Satisfaction with management | 1.18 | 4.38 | 0.72 | 0.8799 | |
| | p.val_1.vs_the_rest | p.val_2.all | | | |
| SRS22 - Satisfaction with management | | 0.3365 | | 0.0008 | |
| 6M. SRS22 - Satisfaction with management | | 0.7622 | | 0.0220 | |
| 1Y. SRS22 - Satisfaction with management | | 0.9425 | | 0.0022 | |
| 2Y. SRS22 - Satisfaction with management | | 0.1958 | | 0.0135 | |
| 5Y. SRS22 - Satisfaction with management | | 0.7686 | | 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 | perc_missing | | | |
| SRS22 - Satisfaction with management | | 0.0111 | | 0.51881720 | |
| 6M. SRS22 - Satisfaction with management | | 0.0001 | | 0.11290323 | |
| 1Y. SRS22 - Satisfaction with management | | 0.0000 | | 0.10483871 | |
| 2Y. SRS22 - Satisfaction with management | | 0.0000 | | 0.09946237 | |
| 5Y. SRS22 - Satisfaction with management | | 0.0001 | | 0.32795699 | |

| | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 |
|--|-----------|----------|-----------|----------|
| SRS22 - Satisfaction with management | 0e+00 | -0.8867 | 0.0002 | 0.3211 |
| 6M. SRS22 - Satisfaction with management | 2e-04 | -0.3441 | 0.0203 | 0.2557 |
| 1Y. SRS22 - Satisfaction with management | 0e+00 | -0.5355 | 0.0003 | 0.3027 |
| 2Y. SRS22 - Satisfaction with management | 0e+00 | -0.3970 | 0.0214 | 0.4524 |
| 5Y. SRS22 - Satisfaction with management | 0e+00 | -0.5095 | 0.0093 | 0.3824 |

| | p.val_3.1 | diff_3.2 | p.val_3.2 |
|--|-----------|----------|-----------|
| SRS22 - Satisfaction with management | 0.1970 | 1.2078 | 0e+00 |
| 6M. SRS22 - Satisfaction with management | 0.0456 | 0.5998 | 1e-04 |
| 1Y. SRS22 - Satisfaction with management | 0.0193 | 0.8382 | 0e+00 |
| 2Y. SRS22 - Satisfaction with management | 0.0007 | 0.8494 | 0e+00 |
| 5Y. SRS22 - Satisfaction with management | 0.0233 | 0.8919 | 0e+00 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|--------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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.all |
|----------------|----------|--------|--------|-------|--------|------|--------|------|-------------|
| SF36 - PCS | 36.45 | 9.47 | 34.10 | 7.32 | 29.12 | 6.40 | 46.26 | 7.68 | 0.0012 |
| 6M. SF36 - PCS | 40.54 | 9.17 | 39.81 | 8.43 | 34.18 | 7.72 | 46.19 | 8.36 | 0.3645 |
| 1Y. SF36 - PCS | 41.94 | 10.01 | 41.20 | 9.06 | 33.24 | 8.43 | 48.71 | 7.93 | 0.3952 |
| 2Y. SF36 - PCS | 42.06 | 10.41 | 41.20 | 9.22 | 33.37 | 9.69 | 49.09 | 8.30 | 0.3336 |
| 5Y. SF36 - PCS | 41.64 | 11.22 | 40.49 | 10.42 | 33.58 | 9.64 | 49.54 | 9.19 | 0.3063 |

| | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | p.val_3.all |
|----------------|---------------------|-------------|---------------------|-------------|
| SF36 - PCS | 0.0000 | 0 | 0 | 0 |
| 6M. SF36 - PCS | 0.1115 | 0 | 0 | 0 |
| 1Y. SF36 - PCS | 0.1423 | 0 | 0 | 0 |
| 2Y. SF36 - PCS | 0.1021 | 0 | 0 | 0 |
| 5Y. SF36 - PCS | 0.0592 | 0 | 0 | 0 |

| | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | p.val_2.1 |
|----------------|---------------------|--------------|-----------|----------|-----------|
| SF36 - PCS | 0 | 0.05913978 | 0 | -4.9799 | 0e+00 |
| 6M. SF36 - PCS | 0 | 0.11021505 | 0 | -5.6368 | 0e+00 |
| 1Y. SF36 - PCS | 0 | 0.09946237 | 0 | -7.9603 | 0e+00 |
| 2Y. SF36 - PCS | 0 | 0.09408602 | 0 | -7.8310 | 0e+00 |
| 5Y. SF36 - PCS | 0 | 0.33602151 | 0 | -6.9086 | 5e-04 |

| | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 |
|----------------|----------|-----------|----------|-----------|
| SF36 - PCS | 12.1613 | 0 | 17.1412 | 0 |
| 6M. SF36 - PCS | 6.3749 | 0 | 12.0117 | 0 |
| 1Y. SF36 - PCS | 7.5064 | 0 | 15.4667 | 0 |
| 2Y. SF36 - PCS | 7.8900 | 0 | 15.7209 | 0 |
| 5Y. SF36 - PCS | 9.0538 | 0 | 15.9624 | 0 |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|-------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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 |
|----------------|-------------|---------------------|--------------|---------------------|-----------|----------|--------|-------|
| SF36 - MCS | 42.99 | 11.84 | 44.89 | 11.70 | 33.08 | 10.00 | 44.99 | 10.04 |
| 6M. SF36 - MCS | 47.14 | 11.82 | 48.09 | 12.37 | 41.17 | 11.84 | 49.01 | 9.28 |
| 1Y. SF36 - MCS | 47.55 | 11.57 | 48.75 | 11.33 | 40.03 | 13.37 | 49.67 | 8.86 |
| 2Y. SF36 - MCS | 46.96 | 12.12 | 47.64 | 12.26 | 38.38 | 13.01 | 50.88 | 8.17 |
| 5Y. SF36 - MCS | 47.66 | 11.33 | 48.74 | 10.89 | 38.90 | 12.41 | 50.64 | 8.89 |
| | p.val_1.all | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | | | | |
| SF36 - MCS | 0.0686 | | 0.0004 | 0e+00 | | | 0e+00 | |
| 6M. SF36 - MCS | 0.3957 | | 0.0936 | 7e-04 | | | 1e-04 | |
| 1Y. SF36 - MCS | 0.2487 | | 0.0328 | 2e-04 | | | 0e+00 | |
| 2Y. SF36 - MCS | 0.5392 | | 0.2452 | 0e+00 | | | 0e+00 | |
| 5Y. SF36 - MCS | 0.3482 | | 0.0729 | 1e-04 | | | 0e+00 | |
| | p.val_3.all | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | | | |
| SF36 - MCS | 0.1052 | | 0.0392 | 0.05913978 | 0e+00 | -11.8095 | | |
| 6M. SF36 - MCS | 0.1172 | | 0.0480 | 0.11021505 | 1e-04 | -6.9209 | | |
| 1Y. SF36 - MCS | 0.0592 | | 0.0169 | 0.09946237 | 0e+00 | -8.7151 | | |
| 2Y. SF36 - MCS | 0.0003 | | 0.0000 | 0.09677419 | 0e+00 | -9.2606 | | |
| 5Y. SF36 - MCS | 0.0290 | | 0.0066 | 0.33333333 | 0e+00 | -9.8319 | | |
| | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 | | | |
| SF36 - MCS | 0e+00 | 0.1046 | 0.9969 | 11.9142 | 0e+00 | | | |
| 6M. SF36 - MCS | 3e-04 | 0.9147 | 0.8131 | 7.8356 | 2e-04 | | | |
| 1Y. SF36 - MCS | 0e+00 | 0.9218 | 0.7911 | 9.6369 | 0e+00 | | | |
| 2Y. SF36 - MCS | 0e+00 | 3.2372 | 0.0687 | 12.4979 | 0e+00 | | | |
| 5Y. SF36 - MCS | 0e+00 | 1.9002 | 0.4735 | 11.7322 | 0e+00 | | | |

| | t0 | t1 | 1 | 2 | 3 | All |
|----------|--------|--------|--------|--------|--------|-------|
| | <char> | <glue> | <num> | <num> | <num> | <num> |
| 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 | All.effect_size | 1.mean | 1.sd | 1.effect_size |
|---------------------|----------|--------|-----------------|--------|--------|---------------|
| 6M. ODI - Score (%) | -9.61 | 17.12 | | -0.56 | -12.31 | 16.04 |
| | | | | | | -0.77 |

| | | | | | | | |
|---------------------|---------------------|---------------------|---------------|---------------------|----------|---------------|-------|
| 1Y. ODI - Score (%) | -12.09 | 15.37 | | -0.79 | -14.21 | 15.28 | -0.93 |
| 2Y. ODI - Score (%) | -9.90 | 16.72 | | -0.59 | -12.49 | 18.00 | -0.69 |
| 5Y. ODI - Score (%) | -9.47 | 17.74 | | -0.53 | -10.74 | 19.07 | -0.56 |
| | 2.mean | 2.sd | 2.effect_size | 3.mean | 3.sd | 3.effect_size | |
| 6M. ODI - Score (%) | -16.40 | 18.96 | | -0.87 | 0.79 | 13.58 | 0.06 |
| 1Y. ODI - Score (%) | -18.86 | 14.93 | | -1.26 | -3.56 | 12.03 | -0.30 |
| 2Y. ODI - Score (%) | -10.90 | 17.19 | | -0.63 | -3.78 | 11.35 | -0.33 |
| 5Y. ODI - Score (%) | -12.41 | 17.71 | | -0.70 | -4.25 | 12.67 | -0.34 |
| | p.val_1.all | p.val_1.vs_the_rest | | p.val_2.all | | | |
| 6M. ODI - Score (%) | 0.0762 | | | 0.0011 | 0.0180 | | |
| 1Y. ODI - Score (%) | 0.1363 | | | 0.0041 | 0.0038 | | |
| 2Y. ODI - Score (%) | 0.1099 | | | 0.0008 | 0.6946 | | |
| 5Y. ODI - Score (%) | 0.5169 | | | 0.1488 | 0.3538 | | |
| | p.val_2.vs_the_rest | p.val_3.all | | p.val_3.vs_the_rest | | | |
| 6M. ODI - Score (%) | | 0.0053 | | 0.0000 | 0.0000 | | |
| 1Y. ODI - Score (%) | | 0.0008 | | 0.0000 | 0.0000 | | |
| 2Y. ODI - Score (%) | | 0.6440 | | 0.0001 | 0.0000 | | |
| 5Y. ODI - Score (%) | | 0.2786 | | 0.0120 | 0.0022 | | |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 | | |
| 6M. ODI - Score (%) | 0.09946237 | 0.0000 | -4.0903 | 0.2339 | 13.1062 | | |
| 1Y. ODI - Score (%) | 0.09408602 | 0.0000 | -4.6562 | 0.1044 | 10.6484 | | |
| 2Y. ODI - Score (%) | 0.08333333 | 0.0003 | 1.5826 | 0.8110 | 8.7049 | | |
| 5Y. ODI - Score (%) | 0.32795699 | 0.0360 | -1.6606 | 0.8649 | 6.4948 | | |
| | p.val_3.1 | diff_3.2 | p.val_3.2 | | | | |
| 6M. ODI - Score (%) | 0.0000 | 17.1965 | 0.0000 | | | | |
| 1Y. ODI - Score (%) | 0.0000 | 15.3046 | 0.0000 | | | | |
| 2Y. ODI - Score (%) | 0.0002 | 7.1222 | 0.0357 | | | | |
| 5Y. ODI - Score (%) | 0.0510 | 8.1554 | 0.0747 | | | | |

[1] "SRS22 - Function / Activity"

| | | | | | |
|---------------------------------|---------------------|---------------|-----------------|---------------|------------|
| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd |
| 6M. SRS22 - Function / Activity | 0.17 | 0.75 | | 0.22 | 0.26 0.71 |
| 1Y. SRS22 - Function / Activity | 0.32 | 0.69 | | 0.46 | 0.40 0.69 |
| 2Y. SRS22 - Function / Activity | 0.37 | 0.71 | | 0.52 | 0.38 0.76 |
| 5Y. SRS22 - Function / Activity | 0.42 | 0.78 | | 0.54 | 0.50 0.80 |
| | 1.effect_size | 2.mean | 2.sd | 2.effect_size | 3.mean |
| 6M. SRS22 - Function / Activity | 0.36 | 0.46 | 0.69 | | 0.66 -0.21 |
| 1Y. SRS22 - Function / Activity | 0.58 | 0.45 | 0.65 | | 0.70 0.07 |
| 2Y. SRS22 - Function / Activity | 0.50 | 0.49 | 0.63 | | 0.78 0.27 |
| 5Y. SRS22 - Function / Activity | 0.63 | 0.49 | 0.91 | | 0.54 0.18 |
| | 3.sd | 3.effect_size | p.val_1.all | | |
| 6M. SRS22 - Function / Activity | 0.73 | -0.28 | 0.1778 | | |
| 1Y. SRS22 - Function / Activity | 0.67 | 0.10 | 0.2004 | | |
| 2Y. SRS22 - Function / Activity | 0.63 | 0.42 | 0.8728 | | |
| 5Y. SRS22 - Function / Activity | 0.60 | 0.30 | 0.3329 | | |
| | p.val_1.vs_the_rest | p.val_2.all | | | |
| 6M. SRS22 - Function / Activity | | 0.0146 | 0.0057 | | |
| 1Y. SRS22 - Function / Activity | | 0.0152 | 0.1646 | | |
| 2Y. SRS22 - Function / Activity | | 0.7489 | 0.1883 | | |
| 5Y. SRS22 - Function / Activity | | 0.0451 | 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 | perc_missing | p.val_all | | |
| 6M. SRS22 - Function / Activity | 0.0000 | 0.09139785 | 0.0000 | | |
| 1Y. SRS22 - Function / Activity | 0.0001 | 0.09139785 | 0.0003 | | |
| 2Y. SRS22 - Function / Activity | 0.1015 | 0.08333333 | 0.1776 | | |
| 5Y. SRS22 - Function / Activity | 0.0014 | 0.32258065 | 0.0228 | | |
| | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 |
| 6M. SRS22 - Function / Activity | 0.1987 | 0.1671 | -0.4632 | 0.0000 | -0.6619 |
| 1Y. SRS22 - Function / Activity | 0.0537 | 0.8681 | -0.3345 | 0.0005 | -0.3882 |
| 2Y. SRS22 - Function / Activity | 0.1127 | 0.5514 | -0.1086 | 0.4548 | -0.2213 |
| 5Y. SRS22 - Function / Activity | -0.0157 | 0.9931 | -0.3251 | 0.0194 | -0.3094 |
| | p.val_3.2 | | | | |
| 6M. SRS22 - Function / Activity | 0.0000 | | | | |
| 1Y. SRS22 - Function / Activity | 0.0032 | | | | |
| 2Y. SRS22 - Function / Activity | 0.1591 | | | | |
| 5Y. SRS22 - Function / Activity | 0.1353 | | | | |

[1] "SRS22 - Pain"

| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd | 1.effect_size |
|------------------|---------------------|---------------------|---------------------|-----------|----------|---------------|
| 6M. SRS22 - Pain | 0.82 | 0.95 | 0.86 | 1.00 | 0.89 | 1.12 |
| 1Y. SRS22 - Pain | 0.94 | 0.93 | 1.01 | 1.09 | 0.91 | 1.20 |
| 2Y. SRS22 - Pain | 0.88 | 0.99 | 0.88 | 1.03 | 1.01 | 1.02 |
| 5Y. SRS22 - Pain | 0.78 | 1.06 | 0.74 | 0.88 | 1.08 | 0.81 |
| | 2.mean | 2.sd | 2.effect_size | 3.mean | 3.sd | 3.effect_size |
| 6M. SRS22 - Pain | 1.24 | 0.85 | 1.46 | 0.18 | 0.84 | 0.21 |
| 1Y. SRS22 - Pain | 1.13 | 0.85 | 1.33 | 0.51 | 0.89 | 0.58 |
| 2Y. SRS22 - Pain | 0.98 | 0.93 | 1.05 | 0.49 | 0.88 | 0.56 |
| 5Y. SRS22 - Pain | 0.93 | 1.10 | 0.85 | 0.45 | 0.94 | 0.48 |
| | p.val_1.all | p.val_1.vs_the_rest | p.val_2.all | | | |
| 6M. SRS22 - Pain | 0.0340 | 0.0001 | 0.0013 | | | |
| 1Y. SRS22 - Pain | 0.0776 | 0.0009 | 0.1405 | | | |
| 2Y. SRS22 - Pain | 0.0910 | 0.0010 | 0.4669 | | | |
| 5Y. SRS22 - Pain | 0.4086 | 0.0888 | 0.4568 | | | |
| | p.val_2.vs_the_rest | p.val_3.all | p.val_3.vs_the_rest | | | |
| 6M. SRS22 - Pain | 0.0002 | 0.0000 | 0.000 | | | |
| 1Y. SRS22 - Pain | 0.0841 | 0.0001 | 0.000 | | | |
| 2Y. SRS22 - Pain | 0.3908 | 0.0005 | 0.000 | | | |
| 5Y. SRS22 - Pain | 0.3833 | 0.0218 | 0.004 | | | |
| | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 |
| 6M. SRS22 - Pain | 0.09139785 | 0.0000 | 0.2405 | 0.1704 | -0.8202 | 0.0000 |
| 1Y. SRS22 - Pain | 0.09139785 | 0.0000 | 0.0392 | 0.9574 | -0.5745 | 0.0000 |
| 2Y. SRS22 - Pain | 0.08333333 | 0.0001 | -0.0569 | 0.9221 | -0.5371 | 0.0001 |
| 5Y. SRS22 - Pain | 0.32258065 | 0.0246 | 0.0500 | 0.9629 | -0.4212 | 0.0276 |
| | diff_3.2 | p.val_3.2 | | | | |
| 6M. SRS22 - Pain | -1.0607 | 0.0000 | | | | |
| 1Y. SRS22 - Pain | -0.6137 | 0.0003 | | | | |
| 2Y. SRS22 - Pain | -0.4803 | 0.0107 | | | | |
| 5Y. SRS22 - Pain | -0.4712 | 0.0820 | | | | |

[1] "SRS22 - Self image / Appearance"

| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd |
|-------------------------------------|---------------------|--------------|-----------------|---------------|------|
| 6M. SRS22 - Self image / Appearance | 1.08 | 0.97 | 1.11 | 1.05 | 0.99 |
| 1Y. SRS22 - Self image / Appearance | 1.13 | 0.88 | 1.28 | 1.15 | 0.88 |
| 2Y. SRS22 - Self image / Appearance | 1.03 | 0.97 | 1.06 | 1.00 | 1.01 |
| 5Y. SRS22 - Self image / Appearance | 0.97 | 0.91 | 1.07 | 0.97 | 0.96 |
| | 1.effect_size | 2.mean | 2.sd | 2.effect_size | |
| 6M. SRS22 - Self image / Appearance | 1.07 | 1.26 | 1.00 | 1.25 | |
| 1Y. SRS22 - Self image / Appearance | 1.30 | 1.17 | 0.84 | 1.40 | |
| 2Y. SRS22 - Self image / Appearance | 0.99 | 0.94 | 0.93 | 1.01 | |
| 5Y. SRS22 - Self image / Appearance | 1.01 | 0.90 | 0.89 | 1.01 | |
| | 3.mean | 3.sd | 3.effect_size | p.val_1.all | |
| 6M. SRS22 - Self image / Appearance | 1.01 | 0.91 | 1.12 | 0.7878 | |
| 1Y. SRS22 - Self image / Appearance | 1.07 | 0.92 | 1.16 | 0.8420 | |
| 2Y. SRS22 - Self image / Appearance | 1.13 | 0.91 | 1.24 | 0.7930 | |
| 5Y. SRS22 - Self image / Appearance | 1.03 | 0.81 | 1.28 | 0.9786 | |
| | p.val_1.vs_the_rest | p.val_2.all | | | |
| 6M. SRS22 - Self image / Appearance | | 0.6064 | 0.2120 | | |
| 1Y. SRS22 - Self image / Appearance | | 0.7077 | 0.7234 | | |
| 2Y. SRS22 - Self image / Appearance | | 0.6096 | 0.5218 | | |
| 5Y. SRS22 - Self image / Appearance | | 0.9543 | 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 | perc_missing | p.val_all | | |
| 6M. SRS22 - Self image / Appearance | | 0.4479 | 0.09139785 | 0.2905 | |
| 1Y. SRS22 - Self image / Appearance | | 0.4654 | 0.09139785 | 0.7388 | |
| 2Y. SRS22 - Self image / Appearance | | 0.2229 | 0.08333333 | 0.4581 | |
| 5Y. SRS22 - Self image / Appearance | | 0.5635 | 0.32258065 | 0.7903 | |
| | diff_2.1 | p.val_2.1 | diff_3.1 | p.val_3.1 | |
| 6M. SRS22 - Self image / Appearance | 0.2079 | 0.3444 | -0.0404 | 0.9450 | |
| 1Y. SRS22 - Self image / Appearance | 0.0282 | 0.9773 | -0.0767 | 0.7824 | |
| 2Y. SRS22 - Self image / Appearance | -0.0636 | 0.9054 | 0.1270 | 0.5687 | |
| 5Y. SRS22 - Self image / Appearance | -0.0724 | 0.9015 | 0.0585 | 0.9109 | |
| | diff_3.2 | p.val_3.2 | | | |
| 6M. SRS22 - Self image / Appearance | -0.2483 | 0.2975 | | | |
| 1Y. SRS22 - Self image / Appearance | -0.1049 | 0.7742 | | | |
| 2Y. SRS22 - Self image / Appearance | 0.1905 | 0.4876 | | | |
| 5Y. SRS22 - Self image / Appearance | 0.1310 | 0.7730 | | | |

[1] "SRS22 - Mental health"

| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd |
|---------------------------|----------|--------|-----------------|--------|------|
| 6M. SRS22 - Mental health | 0.37 | 0.81 | 0.45 | 0.35 | 0.84 |
| 1Y. SRS22 - Mental health | 0.43 | 0.78 | 0.55 | 0.44 | 0.77 |
| 2Y. SRS22 - Mental health | 0.34 | 0.82 | 0.42 | 0.34 | 0.81 |

| | | | | | | |
|---------------------------|---------------------|---------------------|------------|---------------------|-----------|-----------|
| 5Y. SRS22 - Mental health | 0.34 | 0.79 | | 0.43 | 0.36 | 0.86 |
| | 1.effect_size | 2.mean | 2.sd | 2.effect_size | 3.mean | 3.sd |
| 6M. SRS22 - Mental health | 0.41 | 0.65 | 0.84 | | 0.78 | 0.24 0.69 |
| 1Y. SRS22 - Mental health | 0.57 | 0.63 | 0.92 | | 0.68 | 0.30 0.70 |
| 2Y. SRS22 - Mental health | 0.42 | 0.45 | 0.89 | | 0.50 | 0.28 0.78 |
| 5Y. SRS22 - Mental health | 0.42 | 0.27 | 0.80 | | 0.33 | 0.33 0.60 |
| | 3.effect_size | p.val_1.all | | p.val_1.vs_the_rest | | |
| 6M. SRS22 - Mental health | 0.34 | | 0.7751 | | 0.5776 | |
| 1Y. SRS22 - Mental health | 0.42 | | 0.9172 | | 0.8471 | |
| 2Y. SRS22 - Mental health | 0.36 | | 0.9827 | | 0.9677 | |
| 5Y. SRS22 - Mental health | 0.55 | | 0.8127 | | 0.5992 | |
| | p.val_2.all | p.val_2.vs_the_rest | | p.val_3.all | | |
| 6M. SRS22 - Mental health | 0.0230 | | 0.0071 | | 0.1293 | |
| 1Y. SRS22 - Mental health | 0.1486 | | 0.0865 | | 0.1275 | |
| 2Y. SRS22 - Mental health | 0.4149 | | 0.3324 | | 0.5182 | |
| 5Y. SRS22 - Mental health | 0.6217 | | 0.5633 | | 0.9419 | |
| | p.val_3.vs_the_rest | perc_missing | | p.val_all | diff_2.1 | |
| 6M. SRS22 - Mental health | | 0.0517 | 0.09139785 | | 0.0103 | 0.3039 |
| 1Y. SRS22 - Mental health | | 0.0476 | 0.09139785 | | 0.0532 | 0.1874 |
| 2Y. SRS22 - Mental health | | 0.3953 | 0.08333333 | | 0.4952 | 0.1068 |
| 5Y. SRS22 - Mental health | | 0.9288 | 0.32258065 | | 0.8214 | -0.0901 |
| | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 | |
| 6M. SRS22 - Mental health | 0.0382 | -0.1102 | 0.5441 | -0.4140 | 0.0083 | |
| 1Y. SRS22 - Mental health | 0.2709 | -0.1402 | 0.3473 | -0.3276 | 0.0418 | |
| 2Y. SRS22 - Mental health | 0.6729 | -0.0593 | 0.8398 | -0.1662 | 0.4623 | |
| 5Y. SRS22 - Mental health | 0.8076 | -0.0275 | 0.9730 | 0.0626 | 0.9244 | |

[1] "SRS22 - SRS Subtotal score"

| | | | | | |
|--------------------------------|---------------------|---------------|-----------------|---------------|-----------|
| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd |
| 6M. SRS22 - SRS Subtotal score | 0.60 | 0.64 | | 0.94 | 0.66 0.63 |
| 1Y. SRS22 - SRS Subtotal score | 0.70 | 0.62 | | 1.14 | 0.77 0.60 |
| 2Y. SRS22 - SRS Subtotal score | 0.65 | 0.68 | | 0.96 | 0.68 0.73 |
| 5Y. SRS22 - SRS Subtotal score | 0.61 | 0.73 | | 0.83 | 0.64 0.79 |
| | 1.effect_size | 2.mean | 2.sd | 2.effect_size | 3.mean |
| 6M. SRS22 - SRS Subtotal score | | 1.05 | 0.89 0.62 | | 1.44 0.31 |
| 1Y. SRS22 - SRS Subtotal score | | 1.28 | 0.84 0.60 | | 1.40 0.49 |
| 2Y. SRS22 - SRS Subtotal score | | 0.94 | 0.70 0.62 | | 1.13 0.54 |
| 5Y. SRS22 - SRS Subtotal score | | 0.81 | 0.64 0.69 | | 0.92 0.50 |
| | 3.sd | 3.effect_size | p.val_1.all | | |
| 6M. SRS22 - SRS Subtotal score | 0.57 | 0.54 | 0.3536 | | |
| 1Y. SRS22 - SRS Subtotal score | 0.62 | 0.79 | 0.2592 | | |
| 2Y. SRS22 - SRS Subtotal score | 0.60 | 0.91 | 0.6042 | | |
| 5Y. SRS22 - SRS Subtotal score | 0.58 | 0.86 | 0.6652 | | |
| | p.val_1.vs_the_rest | p.val_2.all | | | |
| 6M. SRS22 - SRS Subtotal score | | 0.0856 | 0.0021 | | |
| 1Y. SRS22 - SRS Subtotal score | | 0.0369 | 0.1192 | | |
| 2Y. SRS22 - SRS Subtotal score | | 0.2992 | 0.5428 | | |
| 5Y. SRS22 - SRS Subtotal score | | 0.3352 | 0.8013 | | |
| | p.val_2.vs_the_rest | p.val_3.all | | | |
| 6M. SRS22 - SRS Subtotal score | | 0.0003 | 0.0000 | | |
| 1Y. SRS22 - SRS Subtotal score | | 0.0668 | 0.0040 | | |

| | | | |
|--------------------------------|---------------------|--------------|-----------|
| 2Y. SRS22 - SRS Subtotal score | 0.4734 | 0.1615 | |
| 5Y. SRS22 - SRS Subtotal score | 0.7691 | 0.2268 | |
| | p.val_3.vs_the_rest | perc_missing | p.val_all |
| 6M. SRS22 - SRS Subtotal score | 0.0000 | 0.09139785 | 0.0000 |
| 1Y. SRS22 - SRS Subtotal score | 0.0001 | 0.09139785 | 0.0004 |
| 2Y. SRS22 - SRS Subtotal score | 0.0691 | 0.08333333 | 0.2318 |
| 5Y. SRS22 - SRS Subtotal score | 0.1352 | 0.31989247 | 0.4324 |
| | diff_2.1 | p.val_2.1 | diff_3.1 |
| | p.val_3.1 | diff_3.2 | |
| 6M. SRS22 - SRS Subtotal score | 0.2348 | 0.0340 | -0.3503 |
| 1Y. SRS22 - SRS Subtotal score | 0.0779 | 0.6874 | -0.2801 |
| 2Y. SRS22 - SRS Subtotal score | 0.0221 | 0.9753 | -0.1371 |
| 5Y. SRS22 - SRS Subtotal score | -0.0038 | 0.9995 | -0.1435 |
| | 0.4159 | -0.1396 | |
| | p.val_3.2 | | |
| 6M. SRS22 - SRS Subtotal score | 0.0000 | | |
| 1Y. SRS22 - SRS Subtotal score | 0.0021 | | |
| 2Y. SRS22 - SRS Subtotal score | 0.3543 | | |
| 5Y. SRS22 - SRS Subtotal score | 0.6316 | | |

[1] "SRS22 - Satisfaction with management"

| | All.mean | All.sd | All.effect_size | 1.mean |
|--|---------------------|---------------|-----------------|--------|
| 6M. SRS22 - Satisfaction with management | 1.15 | 1.35 | 0.86 | 1.08 |
| 1Y. SRS22 - Satisfaction with management | 1.17 | 1.26 | 0.93 | 1.11 |
| 2Y. SRS22 - Satisfaction with management | 0.95 | 1.33 | 0.71 | 0.77 |
| 5Y. SRS22 - Satisfaction with management | 0.82 | 1.23 | 0.66 | 0.86 |
| | 1.sd | 1.effect_size | 2.mean | 2.sd |
| 6M. SRS22 - Satisfaction with management | 1.30 | 0.83 | 1.54 | 1.50 |
| 1Y. SRS22 - Satisfaction with management | 1.25 | 0.89 | 1.44 | 1.42 |
| 2Y. SRS22 - Satisfaction with management | 1.31 | 0.59 | 1.32 | 1.59 |
| 5Y. SRS22 - Satisfaction with management | 1.28 | 0.68 | 1.00 | 1.19 |
| | 2.effect_size | 3.mean | 3.sd | |
| 6M. SRS22 - Satisfaction with management | 1.02 | 1.08 | 1.35 | |
| 1Y. SRS22 - Satisfaction with management | 1.01 | 1.14 | 1.20 | |
| 2Y. SRS22 - Satisfaction with management | 0.83 | 1.19 | 1.15 | |
| 5Y. SRS22 - Satisfaction with management | 0.84 | 0.54 | 1.08 | |
| | 3.effect_size | p.val_1.all | | |
| 6M. SRS22 - Satisfaction with management | 0.80 | 0.6536 | | |
| 1Y. SRS22 - Satisfaction with management | 0.95 | 0.7322 | | |
| 2Y. SRS22 - Satisfaction with management | 1.04 | 0.2919 | | |
| 5Y. SRS22 - Satisfaction with management | 0.50 | 0.7889 | | |
| | p.val_1.vs_the_rest | p.val_2.all | | |
| 6M. SRS22 - Satisfaction with management | 0.3823 | 0.2253 | | |
| 1Y. SRS22 - Satisfaction with management | 0.4958 | 0.3892 | | |
| 2Y. SRS22 - Satisfaction with management | 0.0300 | 0.3043 | | |
| 5Y. SRS22 - Satisfaction with management | 0.5044 | 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 | perc_missing | | |
| 6M. SRS22 - Satisfaction with management | 0.7197 | 0.11290323 | | |

| | | | |
|--|-----------|----------|------------|
| 1Y. SRS22 - Satisfaction with management | | 0.8708 | 0.10483871 |
| 2Y. SRS22 - Satisfaction with management | | 0.1498 | 0.09946237 |
| 5Y. SRS22 - Satisfaction with management | | 0.1869 | 0.32795699 |
| | p.val_all | diff_2.1 | p.val_2.1 |
| 6M. SRS22 - Satisfaction with management | 0.2790 | 0.4627 | 0.2647 |
| 1Y. SRS22 - Satisfaction with management | 0.5269 | 0.3241 | 0.5011 |
| 2Y. SRS22 - Satisfaction with management | 0.0887 | 0.5482 | 0.1831 |
| 5Y. SRS22 - Satisfaction with management | 0.4450 | 0.1353 | 0.9235 |
| | p.val_3.1 | diff_3.2 | p.val_3.2 |
| 6M. SRS22 - Satisfaction with management | 0.9998 | -0.4574 | 0.3804 |
| 1Y. SRS22 - Satisfaction with management | 0.9927 | -0.2965 | 0.6392 |
| 2Y. SRS22 - Satisfaction with management | 0.2081 | -0.1259 | 0.9315 |
| 5Y. SRS22 - Satisfaction with management | 0.4959 | -0.4583 | 0.5131 |

[1] "SF36 - PCS"

| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd | 1.effect_size | |
|----------------|---------------------|--------------|---------------------|-------------|-----------|---------------|-------------|
| 6M. SF36 - PCS | 4.46 | 8.88 | 0.50 | 6.02 | 9.48 | 0.63 | |
| 1Y. SF36 - PCS | 5.78 | 8.87 | 0.65 | 7.44 | 9.28 | 0.80 | |
| 2Y. SF36 - PCS | 5.59 | 9.36 | 0.60 | 7.26 | 9.12 | 0.80 | |
| 5Y. SF36 - PCS | 5.31 | 10.16 | 0.52 | 6.56 | 10.86 | 0.60 | |
| | 2.mean | 2.sd | 2.effect_size | 3.mean | 3.sd | 3.effect_size | p.val_1.all |
| 6M. SF36 - PCS | 5.06 | 7.26 | 0.70 | 0.38 | 7.04 | 0.05 | 0.0705 |
| 1Y. SF36 - PCS | 4.58 | 7.68 | 0.60 | 2.78 | 7.70 | 0.36 | 0.0520 |
| 2Y. SF36 - PCS | 3.86 | 10.34 | 0.37 | 2.90 | 8.49 | 0.34 | 0.0499 |
| 5Y. SF36 - PCS | 3.78 | 7.81 | 0.48 | 2.96 | 9.11 | 0.32 | 0.2668 |
| | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | p.val_3.all | | | |
| 6M. SF36 - PCS | 0.0001 | 0.5949 | 0.5351 | 0.0000 | | | |
| 1Y. SF36 - PCS | 0.0000 | 0.3163 | 0.2437 | 0.0029 | | | |
| 2Y. SF36 - PCS | 0.0002 | 0.2586 | 0.1796 | 0.0143 | | | |
| 5Y. SF36 - PCS | 0.0114 | 0.2988 | 0.2319 | 0.1005 | | | |
| | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | p.val_2.1 | | |
| 6M. SF36 - PCS | 0.0000 | 0.11021505 | 0.0000 | -0.9594 | 0.7569 | | |
| 1Y. SF36 - PCS | 0.0001 | 0.09946237 | 0.0002 | -2.8567 | 0.0979 | | |
| 2Y. SF36 - PCS | 0.0017 | 0.09408602 | 0.0007 | -3.4034 | 0.0471 | | |
| 5Y. SF36 - PCS | 0.0410 | 0.33602151 | 0.0531 | -2.7838 | 0.3007 | | |
| | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 | | | |
| 6M. SF36 - PCS | -5.6390 | 0.0000 | -4.6797 | 0.0071 | | | |
| 1Y. SF36 - PCS | -4.6568 | 0.0002 | -1.8001 | 0.4803 | | | |
| 2Y. SF36 - PCS | -4.3592 | 0.0012 | -0.9558 | 0.8259 | | | |
| 5Y. SF36 - PCS | -3.6034 | 0.0688 | -0.8196 | 0.9247 | | | |

[1] "SF36 - MCS"

| | All.mean | All.sd | All.effect_size | 1.mean | 1.sd | 1.effect_size |
|----------------|----------|--------|-----------------|--------|-------|---------------|
| 6M. SF36 - MCS | 4.09 | 11.62 | 0.35 | 3.28 | 12.39 | 0.26 |
| 1Y. SF36 - MCS | 4.50 | 11.21 | 0.40 | 4.23 | 11.18 | 0.38 |
| 2Y. SF36 - MCS | 3.87 | 11.94 | 0.32 | 2.65 | 12.16 | 0.22 |
| 5Y. SF36 - MCS | 3.95 | 12.36 | 0.32 | 2.84 | 12.47 | 0.23 |
| | 2.mean | 2.sd | 2.effect_size | 3.mean | 3.sd | 3.effect_size |

| | | | | | | |
|----------------|-------------|---------------------|--------------|---------------------|-----------|------|
| 6M. SF36 - MCS | 7.32 | 10.87 | 0.67 | 3.85 | 9.87 | 0.39 |
| 1Y. SF36 - MCS | 5.57 | 14.16 | 0.39 | 4.44 | 9.13 | 0.49 |
| 2Y. SF36 - MCS | 5.35 | 12.08 | 0.44 | 5.69 | 11.12 | 0.51 |
| 5Y. SF36 - MCS | 4.99 | 12.40 | 0.40 | 6.27 | 11.84 | 0.53 |
| | p.val_1.all | p.val_1.vs_the_rest | p.val_2.all | p.val_2.vs_the_rest | | |
| 6M. SF36 - MCS | 0.4724 | 0.1308 | 0.0536 | | 0.0234 | |
| 1Y. SF36 - MCS | 0.7971 | 0.6174 | 0.6116 | | 0.5473 | |
| 2Y. SF36 - MCS | 0.2749 | 0.0306 | 0.4123 | | 0.3320 | |
| 5Y. SF36 - MCS | 0.4006 | 0.0782 | 0.6416 | | 0.5868 | |
| | p.val_3.all | p.val_3.vs_the_rest | perc_missing | p.val_all | diff_2.1 | |
| 6M. SF36 - MCS | 0.8523 | 0.8146 | 0.11021505 | 0.0848 | 4.0338 | |
| 1Y. SF36 - MCS | 0.9635 | 0.9540 | 0.09946237 | 0.7555 | 1.3393 | |
| 2Y. SF36 - MCS | 0.1993 | 0.0993 | 0.09677419 | 0.0996 | 2.6987 | |
| 5Y. SF36 - MCS | 0.2054 | 0.1128 | 0.33333333 | 0.1943 | 2.1454 | |
| | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 | p.val_3.2 | |
| 6M. SF36 - MCS | 0.0694 | 0.5672 | 0.9300 | -3.4666 | 0.2169 | |
| 1Y. SF36 - MCS | 0.7354 | 0.2124 | 0.9890 | -1.1268 | 0.8426 | |
| 2Y. SF36 - MCS | 0.3137 | 3.0368 | 0.1360 | 0.3382 | 0.9858 | |
| 5Y. SF36 - MCS | 0.6187 | 3.4240 | 0.1958 | 1.2786 | 0.8806 | |

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.all | p.val_1.vs_the_rest | | |
| Total Operative Blood Loss st1+st2+st3 | 0.8534 | | 0.0729 | |
| Total surgical time st1+st2+st3 | 0.0691 | | 0.0729 | |
| Number of Posterior Instrumented Levels | 0.0935 | | 0.0729 | |
| Number of Interbody Fusions | 0.0136 | | 0.0729 | |
| | 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 | |
| | perc_missing | p.val_all | diff_2.1 | |
| Total Operative Blood Loss st1+st2+st3 | 0.112903226 | 0.0037 | 449.4335 | |
| Total surgical time st1+st2+st3 | 0.002688172 | 0.0056 | 52.3770 | |
| Number of Posterior Instrumented Levels | 0.048387097 | 0.0032 | 0.8991 | |
| Number of Interbody Fusions | 0.000000000 | 0.0000 | -0.0647 | |
| | p.val_2.1 | diff_3.1 | p.val_3.1 | diff_3.2 |

| | | | | |
|---|--------|-----------|--------|-----------|
| Total Operative Blood Loss st1+st2+st3 | 0.0381 | -273.4696 | 0.2434 | -722.9032 |
| Total surgical time st1+st2+st3 | 0.0692 | 57.0609 | 0.0113 | 4.6839 |
| Number of Posterior Instrumented Levels | 0.3670 | 1.8796 | 0.0022 | 0.9804 |
| Number of Interbody Fusions | 0.9126 | -0.8661 | 0.0000 | -0.8014 |

p.val_3.2

| | |
|---|--------|
| Total Operative Blood Loss st1+st2+st3 | 0.0025 |
| Total surgical time st1+st2+st3 | 0.9825 |
| Number of Posterior Instrumented Levels | 0.3720 |
| 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 | |

| \$'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

Key: <group>

| | group | reiqs | patients | total |
|----|--------|-------|----------|-------|
| | <char> | <int> | <int> | <int> |
| 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 |
|----|-------------|-------------|-------------|-----------|-----------|-----------|
| | <num> | <num> | <num> | <num> | <num> | <num> |
| 1: | 0.6667 | 0.0054 | 0.0022 | 0.0251 | 0.0013 | 0 |

Impacts

Key: <Complication Impact>

| | Complication | Impact | all_num | all_patients | 1_num | 1_patients | 2_num | 2_patients | |
|----|--------------------|------------|-----------|--------------|-------|------------|-------------|-------------|-------------|
| | <char> | <int> | <int> | <int> | <num> | <num> | <num> | <num> | |
| 1: | | 0 | 1 | 1 | 0 | 0 | 1 | 1 | |
| 2: | Adverse Event | 3 | 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 |
| | <num> | <num> | <int> | <int> | <int> | <int> | <num> | <num> | <num> |
| 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 | | | | | | |
| | <num> | <num> | <num> | | | | | | |
| 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

Key: <Category of the complication>

| | Category of the complication | all_num | all_patients | 1_num | 1_patients | | | | |
|----|-------------------------------------|------------|--------------|------------|------------|-------|-------|-------|-------------|
| | <char> | <int> | <int> | <int> | <int> | | | | |
| 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 |
| | <num> | <num> | <num> | <num> | <int> | <int> | <int> | <int> | <num> |

| | | | | | | | | | |
|----|-------------|-------------|-----------|-----------|-----------|-----|----|-----|--------|
| 1: | 0 | 0 | 0 | 0 | 372 | 205 | 63 | 104 | 1.0000 |
| 2: | 2 | 2 | 4 | 4 | 372 | 205 | 63 | 104 | 0.6674 |
| 3: | 12 | 9 | 6 | 5 | 372 | 205 | 63 | 104 | 0.8876 |
| 4: | 76 | 41 | 18 | 15 | 372 | 205 | 63 | 104 | 0.6942 |
| 5: | 19 | 15 | 18 | 14 | 372 | 205 | 63 | 104 | 0.9137 |
| 6: | 2 | 2 | 2 | 2 | 372 | 205 | 63 | 104 | 0.4180 |
| 7: | 7 | 7 | 2 | 2 | 372 | 205 | 63 | 104 | 0.2023 |
| | p_val_all_2 | p_val_all_3 | p_val_1_2 | p_val_1_3 | p_val_2_3 | | | | |
| | <num> | <num> | <num> | <num> | <num> | | | | |
| 1: | 1.0000 | 1.0000 | 1.0000 | 1.0000 | NaN | | | | |
| 2: | 0.7308 | 0.7859 | 0.5202 | 0.5189 | 1.0000 | | | | |
| 3: | 0.1250 | 0.4552 | 0.1116 | 0.6538 | 0.0637 | | | | |
| 4: | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | | | | |
| 5: | 0.3900 | 0.3157 | 0.5166 | 0.2864 | 0.1335 | | | | |
| 6: | 0.7964 | 0.3013 | 0.4432 | 0.1170 | 1.0000 | | | | |
| 7: | 1.0000 | 0.0126 | 0.6842 | 0.0015 | 0.0282 | | | | |