LIV Iliac/L5

data\_ %>%   
 .[followup\_2y ==TRUE] %>%   
 .[Study=='Op'] %>%   
 .[Site != 'ANK Op'] %>%   
 .[Age < 100] %>%   
 .[`Vital status` == 'Alive'] ->  
 data\_

Initial Patients: 985

data\_ %<>%   
 .[`Posterior Instrumented Fusion` == 'Yes'] %>%   
 .[`Number of Posterior Instrumented Levels` > 3]

With Posterior Instrumented Fusion & Number of Posterior Instrumented Levels > 3: 805

type N  
1: Iliac 357  
2: L5 82  
3: L4 104

Patients who end up intrumented until pelvis

revision <- read\_excel(xls\_path, sheet="Revision surgery") %>%   
 as.data.table()   
  
revision[, `Posterior Instrumented Fusion: Upper / Lower Levels`] %>%   
 sapply(. %>% strsplit('-') %>% .[[1]] %>% .[2]) ->  
 post\_intr\_fusion  
  
reint\_iliac <- revision[post\_intr\_fusion=='Iliac', `Code of the patient`]  
  
data\_[`Code of the patient` %in% reint\_iliac, `Code of the patient` %>% uniqueN, type]

type V1  
1: L5 15  
2: Iliac 28  
3: L4 5

UIV frequencies

uiv N  
 1: L1 47  
 2: L2 46  
 3: L3 15  
 4: L4 5  
 5: O 1  
 6: T1 1  
 7: T10 132  
 8: T11 48  
 9: T12 46  
10: T2 42  
11: T3 27  
12: T4 47  
13: T5 12  
14: T6 2  
15: T7 6  
16: T8 19  
17: T9 47

Non\_instrumented\_segments type N  
 1: 0 Iliac 1  
 2: 1 Iliac 25  
 3: 2 Iliac 14  
 4: 3 Iliac 13  
 5: 4 Iliac 5  
 6: 6 Iliac 5  
 7: 7 Iliac 13  
 8: 8 Iliac 31  
 9: 9 Iliac 90  
10: 10 Iliac 34  
11: 11 Iliac 40  
12: 12 Iliac 35  
13: 13 Iliac 30  
14: 14 Iliac 15  
15: 15 Iliac 5  
16: 1 L4 12  
17: 2 L4 10  
18: 3 L4 21  
19: 4 L4 4  
20: 5 L4 2  
21: 6 L4 1  
22: 7 L4 4  
23: 8 L4 10  
24: 9 L4 26  
25: 10 L4 10  
26: 11 L4 1  
27: 12 L4 3  
28: 1 L5 5  
29: 2 L5 3  
30: 3 L5 13  
31: 4 L5 3  
32: 7 L5 2  
33: 8 L5 6  
34: 9 L5 16  
35: 10 L5 4  
36: 11 L5 5  
37: 12 L5 9  
38: 13 L5 16  
 Non\_instrumented\_segments type N

### P-valor ASA 1 Iliac vs L5

treatment asa\_1 N  
1: Iliac 42 357  
2: L5 12 82  
3: L4 44 104

P-values Treatment Iliac vs Treatment L5

[1] 0.5982

P-values Treatment Iliac vs Treatment L4

[1] 0

P-values Treatment L5 vs Treatment L4

[1] 1e-04

### P-valor Prior Spine Surgery Yes Iliac vs L5

treatment prior\_yes N  
1: Iliac 188 357  
2: L5 22 82  
3: L4 15 104

P-values Treatment Iliac vs Treatment L5

[1] 0

P-values Treatment Iliac vs Treatment L4

[1] 0

P-values Treatment L5 vs Treatment L4

[1] 0.0549

### 3CO

treatment prior\_yes N  
1: Iliac 188 357  
2: L5 22 82  
3: L4 15 104

P-values Treatment Iliac vs Treatment L5

[1] 0

P-values Treatment Iliac vs Treatment L4

[1] 0

P-values Treatment L5 vs Treatment L4

[1] 0.0549

### Demographics

| Name | all | Iliac | L5 | L4 | Iliac vs L5 p\_val | Iliac vs L4 p\_val | L5 vs L4 p\_val |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Age | 66.39 (15.32) | 71.51 (11.09) | 65.05 (14.38) | 49.85 (16.7) | 0.0002 | 0.0000 | 0.0000 |
| Gender-Female | 457 (0.84) | 299 (83.75%) | 70 (85.37%) | 88 (84.62%) | 0.8474 | 0.9530 | 1.0000 |
| Gender-Male | 86 (0.16) | 58 (16.25%) | 12 (14.63%) | 16 (15.38%) | 0.8474 | 0.9530 | 1.0000 |
| Prior Spine Surgery-No | 318 (0.59) | 169 (47.34%) | 60 (73.17%) | 89 (85.58%) | 0.0000 | 0.0000 | 0.0549 |
| Prior Spine Surgery-Yes | 225 (0.41) | 188 (52.66%) | 22 (26.83%) | 15 (14.42%) | 0.0000 | 0.0000 | 0.0549 |
| Height (cm)\_First Visit | 161.38 (8.96) | 161.25 (9.07) | 160.78 (9.63) | 162.26 (8.02) | 0.6860 | 0.2777 | 0.2651 |
| Weight (kgs)\_First Visit | 66.94 (12.89) | 68.28 (13.13) | 66.66 (11.49) | 62.65 (12.26) | 0.2655 | 0.0001 | 0.0229 |
| BMI\_First Visit | 25.71 (4.51) | 26.22 (4.32) | 25.89 (4.55) | 23.86 (4.7) | 0.5585 | 0.0000 | 0.0033 |
| ASA classification-1 | 98 (0.18) | 42 (11.8%) | 12 (14.63%) | 44 (42.31%) | 0.5982 | 0.0000 | 0.0001 |
| ASA classification-2 | 339 (0.63) | 239 (67.13%) | 53 (64.63%) | 47 (45.19%) | 0.7868 | 0.0001 | 0.0127 |
| ASA classification-3 | 103 (0.19) | 73 (20.51%) | 17 (20.73%) | 13 (12.5%) | 1.0000 | 0.0914 | 0.1886 |
| ASA classification-4 | 2 (0) | 2 (0.56%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| Tobacco use\_First Visit-Current | 90 (0.17) | 60 (17.49%) | 12 (14.81%) | 18 (18.18%) | 0.7537 | 1.0000 | 0.7707 |
| Tobacco use\_First Visit-Ex | 111 (0.21) | 76 (22.16%) | 14 (17.28%) | 21 (21.21%) | 0.4833 | 0.9166 | 0.7253 |
| Tobacco use\_First Visit-Non-User | 322 (0.62) | 207 (60.35%) | 55 (67.9%) | 60 (60.61%) | 0.1650 | 1.0000 | 0.2479 |
| ESSG Diagnosis-Congenital | 11 (0.02) | 8 (2.25%) | 3 (3.66%) | NA (NA%) | 0.7272 | 0.2655 | 0.1675 |
| ESSG Diagnosis-Degenerative | 251 (0.46) | 208 (58.43%) | 32 (39.02%) | 11 (10.58%) | 0.0024 | 0.0000 | 0.0000 |
| ESSG Diagnosis-Failed-back | 35 (0.06) | 29 (8.15%) | 5 (6.1%) | 1 (0.96%) | 0.6967 | 0.0173 | 0.1210 |
| ESSG Diagnosis-Idiopathic | 207 (0.38) | 88 (24.72%) | 36 (43.9%) | 83 (79.81%) | 0.0008 | 0.0000 | 0.0000 |
| ESSG Diagnosis-Idiopathic, Congenital | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Idiopathic, Degenerative | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Neuromuscular | 4 (0.01) | 3 (0.84%) | 1 (1.22%) | NA (NA%) | 1.0000 | 0.8065 | 0.9049 |
| ESSG Diagnosis-Other: degenerative spondilolisthesis | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Other: degenerative spondylolisthesis | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Other: spondilo | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Other: spondylolisthesis | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Other: Spondylolisthesis | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| ESSG Diagnosis-Post-infection | 1 (0) | NA (NA%) | NA (NA%) | 1 (0.96%) |  | 0.5110 | 1.0000 |
| ESSG Diagnosis-Post-traumatic | 17 (0.03) | 10 (2.81%) | 3 (3.66%) | 4 (3.85%) | 0.9587 | 0.8244 | 1.0000 |
| ESSG Diagnosis-Scheuermann | 2 (0) | 1 (0.28%) | NA (NA%) | 1 (0.96%) | 1.0000 | 0.9341 | 1.0000 |
| ESSG Diagnosis-Syndromic | 7 (0.01) | 2 (0.56%) | 2 (2.44%) | 3 (2.88%) | 0.3319 | 0.1399 | 1.0000 |

### Radiology

| Name | all | Iliac | L5 | L4 | Iliac vs L5 p\_val | Iliac vs L4 p\_val | L5 vs L4 p\_val |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Static Major curve Cobb angle | 43.94 (23.58) | 38.62 (21.73) | 48.66 (24.72) | 58.57 (21.94) | 0.0010 | 0.0000 | 0.0051 |
| 6W. Static Major curve Cobb angle | 21.52 (16.22) | 20.12 (16.39) | 23.06 (17.66) | 25.32 (13.78) | 0.2186 | 0.0029 | 0.3920 |
| 6M. Static Major curve Cobb angle | 21.66 (15.59) | 19.99 (15.38) | 25.43 (17.83) | 24.6 (13.83) | 0.0267 | 0.0071 | 0.7546 |
| 1Y. Static Major curve Cobb angle | 22.07 (16.09) | 20.53 (15.98) | 26.15 (18.09) | 24.32 (14.31) | 0.0298 | 0.0393 | 0.5157 |
| 2Y. Static Major curve Cobb angle | 21.89 (16.24) | 19.76 (15.5) | 26.62 (19.52) | 25.66 (14.51) | 0.0116 | 0.0027 | 0.7492 |
| 5Y. Static Major curve Cobb angle | 23.89 (17.58) | 20.45 (14.91) | 29.62 (24.06) | 29.9 (16.29) | 0.0593 | 0.0052 | 0.9579 |
| Sagittal T2-T5 | 11.26 (8.44) | 11.78 (8.69) | 11 (8.23) | 9.61 (7.52) | 0.4491 | 0.0150 | 0.2415 |
| 6W. Sagittal T2-T5 | 13.86 (9.25) | 14.16 (9.84) | 12.8 (7.51) | 13.62 (8.29) | 0.2080 | 0.5931 | 0.5158 |
| 6M. Sagittal T2-T5 | 13.83 (10.14) | 14.27 (10.79) | 12.41 (8.57) | 13.37 (8.76) | 0.1343 | 0.4093 | 0.4924 |
| 1Y. Sagittal T2-T5 | 14.06 (10.16) | 14.56 (10.96) | 12.23 (8.66) | 13.62 (8) | 0.0729 | 0.3765 | 0.3249 |
| 2Y. Sagittal T2-T5 | 14.41 (10.58) | 15.07 (11.32) | 12.79 (8.93) | 13.35 (8.8) | 0.0844 | 0.1494 | 0.7067 |
| 5Y. Sagittal T2-T5 | 14.93 (11.34) | 16.33 (11.51) | 11.26 (10.13) | 13.49 (11.17) | 0.0239 | 0.2083 | 0.4120 |
| Sagittal T5-T12 | 31.18 (17.84) | 29.68 (16.66) | 31.42 (16.57) | 36.25 (21.68) | 0.3975 | 0.0059 | 0.0913 |
| 6W. Sagittal T5-T12 | 36.95 (14.63) | 38.43 (14.25) | 35.03 (14.97) | 33.28 (15.02) | 0.0910 | 0.0033 | 0.4657 |
| 6M. Sagittal T5-T12 | 38.25 (15.08) | 39.87 (15.09) | 34.65 (14) | 35.28 (15.02) | 0.0086 | 0.0100 | 0.7859 |
| 1Y. Sagittal T5-T12 | 38.81 (15.58) | 40.46 (15.61) | 35.06 (16.11) | 35.92 (14.33) | 0.0188 | 0.0116 | 0.7389 |
| 2Y. Sagittal T5-T12 | 40.01 (17.01) | 42.3 (16.91) | 35.23 (17.2) | 35.54 (15.71) | 0.0039 | 0.0010 | 0.9115 |
| 5Y. Sagittal T5-T12 | 41.22 (15.88) | 42.76 (16.01) | 43.05 (16.17) | 34.41 (13.64) | 0.9320 | 0.0044 | 0.0263 |
| Sagittal T2-T12 | 36.38 (18.54) | 35.49 (17.41) | 36.49 (17.84) | 39.42 (22.38) | 0.6464 | 0.1072 | 0.3294 |
| 6W. Sagittal T2-T12 | 45.51 (15.68) | 47.14 (15.69) | 42.42 (15.59) | 42.21 (14.97) | 0.0254 | 0.0056 | 0.9302 |
| 6M. Sagittal T2-T12 | 47 (16.68) | 48.93 (16.88) | 42.14 (16.16) | 43.97 (15.31) | 0.0029 | 0.0077 | 0.4740 |
| 1Y. Sagittal T2-T12 | 47.46 (16.76) | 49.58 (17.22) | 42.02 (15.16) | 44.15 (14.93) | 0.0008 | 0.0045 | 0.3966 |
| 2Y. Sagittal T2-T12 | 48.73 (17.62) | 51.18 (17.48) | 43.66 (17.15) | 43.99 (16.85) | 0.0023 | 0.0010 | 0.9099 |
| 5Y. Sagittal T2-T12 | 50.06 (16.78) | 52.99 (16.61) | 46.93 (16.71) | 43.04 (15.21) | 0.0886 | 0.0021 | 0.3442 |
| Lordosis (top of L1-S1) | -37.87 (19.23) | -33 (17.62) | -43.58 (19.06) | -50.31 (18.06) | 0.0000 | 0.0000 | 0.0163 |
| 6W. Lordosis (top of L1-S1) | -50.9 (13.81) | -52.08 (13.85) | -45.9 (12.8) | -50.82 (13.7) | 0.0003 | 0.4284 | 0.0165 |
| 6M. Lordosis (top of L1-S1) | -50.45 (13.97) | -51.02 (13.62) | -45.21 (13.4) | -52.41 (14.77) | 0.0013 | 0.4134 | 0.0013 |
| 1Y. Lordosis (top of L1-S1) | -50.82 (14.1) | -50.7 (14.08) | -47.77 (13.64) | -53.67 (14.17) | 0.1082 | 0.0854 | 0.0085 |
| 2Y. Lordosis (top of L1-S1) | -50.56 (13.77) | -50.65 (13.35) | -47.36 (13.79) | -53 (14.87) | 0.0760 | 0.2009 | 0.0173 |
| 5Y. Lordosis (top of L1-S1) | -50.31 (14.33) | -50.34 (13.46) | -48.11 (15.65) | -52.21 (16.08) | 0.4804 | 0.5456 | 0.3095 |
| Pelvic Incidence | 55.58 (14.01) | 57.85 (14.25) | 54.19 (12.97) | 48.71 (11.5) | 0.0254 | 0.0000 | 0.0033 |
| 6W. Pelvic Incidence | 54.2 (13.51) | 56.11 (13.22) | 53.16 (14.8) | 48.45 (11.7) | 0.1125 | 0.0000 | 0.0250 |
| 6M. Pelvic Incidence | 54.73 (13.34) | 56.83 (13.52) | 53.54 (12.55) | 48.55 (11.17) | 0.0528 | 0.0000 | 0.0090 |
| 1Y. Pelvic Incidence | 54.83 (13.31) | 57.08 (13.4) | 54.37 (13) | 47.54 (10.37) | 0.1185 | 0.0000 | 0.0004 |
| 2Y. Pelvic Incidence | 55.59 (13.42) | 57.72 (13.63) | 53.98 (11.77) | 49.34 (11.85) | 0.0231 | 0.0000 | 0.0178 |
| 5Y. Pelvic Incidence | 54.91 (13.14) | 56.9 (12.93) | 55.91 (13.17) | 47.23 (11.2) | 0.7147 | 0.0001 | 0.0069 |
| Pelvic Tilt | 25.2 (11.03) | 28.41 (10.41) | 22.52 (8.64) | 16.13 (9.13) | 0.0000 | 0.0000 | 0.0000 |
| 6W. Pelvic Tilt | 20.23 (9.06) | 21.21 (8.86) | 22.7 (8.57) | 14.93 (8.17) | 0.1766 | 0.0000 | 0.0000 |
| 6M. Pelvic Tilt | 21.9 (9.26) | 23.59 (8.63) | 23.39 (8.6) | 15.19 (8.81) | 0.8619 | 0.0000 | 0.0000 |
| 1Y. Pelvic Tilt | 21.66 (9.41) | 23.73 (8.93) | 22.76 (8.11) | 13.72 (7.74) | 0.3784 | 0.0000 | 0.0000 |
| 2Y. Pelvic Tilt | 22.27 (9.57) | 24.12 (8.76) | 22.47 (8) | 15.47 (10.57) | 0.1334 | 0.0000 | 0.0000 |
| 5Y. Pelvic Tilt | 22.75 (9.53) | 24.55 (8.67) | 25.38 (8.24) | 14.26 (8.91) | 0.6305 | 0.0000 | 0.0000 |
| Sacral Slope | 30.37 (11.6) | 29.44 (11.59) | 31.67 (11.37) | 32.58 (11.54) | 0.1146 | 0.0177 | 0.5929 |
| 6W. Sacral Slope | 33.96 (10.58) | 34.9 (10.55) | 30.44 (10.23) | 33.52 (10.43) | 0.0009 | 0.2586 | 0.0531 |
| 6M. Sacral Slope | 32.82 (10.3) | 33.24 (10.23) | 30.17 (9.48) | 33.35 (10.91) | 0.0172 | 0.9323 | 0.0472 |
| 1Y. Sacral Slope | 33.18 (9.91) | 33.36 (9.73) | 31.61 (10.22) | 33.82 (10.23) | 0.1936 | 0.7097 | 0.1781 |
| 2Y. Sacral Slope | 33.33 (10.42) | 33.6 (10.49) | 31.52 (9.46) | 33.88 (10.88) | 0.1116 | 0.8360 | 0.1578 |
| 5Y. Sacral Slope | 32.16 (10.07) | 32.35 (9.59) | 30.53 (10.81) | 32.98 (11.08) | 0.4065 | 0.7711 | 0.3791 |
| RLL | -25.5 (18.46) | -31.75 (15.95) | -19.01 (16.58) | -8.89 (15.98) | 0.0000 | 0.0000 | 0.0000 |
| 6W. RLL | -11.7 (12.04) | -11.71 (12.02) | -16.05 (10.71) | -8.23 (12.13) | 0.0023 | 0.0142 | 0.0000 |
| 6M. RLL | -12.45 (12.34) | -13.22 (11.91) | -16.85 (11.5) | -6.7 (12.43) | 0.0193 | 0.0000 | 0.0000 |
| 1Y. RLL | -12.18 (12.79) | -13.69 (12.42) | -14.94 (12.24) | -4.8 (11.91) | 0.4410 | 0.0000 | 0.0000 |
| 2Y. RLL | -12.88 (12.24) | -14.1 (11.47) | -15.11 (11.69) | -6.59 (13.44) | 0.5193 | 0.0000 | 0.0001 |
| 5Y. RLL | -12.74 (13.28) | -13.94 (11.96) | -15.56 (14.71) | -6.08 (14.42) | 0.5833 | 0.0064 | 0.0124 |
| Global Tilt | 31.76 (17.11) | 37.77 (15.87) | 25.11 (12.26) | 16.16 (12.22) | 0.0000 | 0.0000 | 0.0000 |
| 6W. Global Tilt | 21.9 (11.73) | 23.23 (11.45) | 25.24 (11.75) | 14.7 (9.78) | 0.1800 | 0.0000 | 0.0000 |
| 6M. Global Tilt | 23.42 (12.48) | 25.7 (11.88) | 26.11 (11.28) | 13.94 (10.71) | 0.7848 | 0.0000 | 0.0000 |
| 1Y. Global Tilt | 23.57 (12.86) | 26.74 (12.38) | 24.32 (10.38) | 12.31 (9.59) | 0.0982 | 0.0000 | 0.0000 |
| 2Y. Global Tilt | 25.03 (13.07) | 28.03 (12.11) | 24.72 (10.61) | 14.39 (12.87) | 0.0267 | 0.0000 | 0.0000 |
| 5Y. Global Tilt | 26 (14.69) | 29.19 (13.74) | 28.93 (12.94) | 12.52 (11.64) | 0.9242 | 0.0000 | 0.0000 |
| T1 Sagittal Tilt | -0.55 (6.22) | 1.06 (6.34) | -3.12 (5.02) | -4.09 (4.21) | 0.0000 | 0.0000 | 0.1668 |
| 6W. T1 Sagittal Tilt | -3.36 (4.2) | -3.44 (4.4) | -2.46 (4.34) | -3.8 (3.18) | 0.0784 | 0.3874 | 0.0266 |
| 6M. T1 Sagittal Tilt | -3.83 (4.33) | -3.75 (4.69) | -2.83 (3.83) | -4.82 (3.1) | 0.0857 | 0.0100 | 0.0006 |
| 1Y. T1 Sagittal Tilt | -3.5 (4.78) | -3.15 (5.12) | -3.48 (4.18) | -4.75 (3.73) | 0.5751 | 0.0015 | 0.0531 |
| 2Y. T1 Sagittal Tilt | -3.03 (4.42) | -2.57 (4.67) | -2.95 (4.11) | -4.8 (3.15) | 0.5030 | 0.0000 | 0.0031 |
| 5Y. T1 Sagittal Tilt | -2.82 (4.88) | -2.11 (5.33) | -2.96 (4.2) | -5.09 (2.79) | 0.3617 | 0.0000 | 0.0230 |
| Thoracolumbar L2-T10 | 13.33 (22.63) | 9.18 (21.95) | 16.13 (20.2) | 25.69 (22.13) | 0.0072 | 0.0000 | 0.0029 |
| 6W. Thoracolumbar L2-T10 | 6.91 (13.11) | 8.66 (13.39) | 5.32 (10.75) | 1.98 (12.4) | 0.0276 | 0.0000 | 0.0696 |
| 6M. Thoracolumbar L2-T10 | 8 (12.87) | 9.69 (12.83) | 6.08 (11.59) | 3.62 (12.77) | 0.0281 | 0.0001 | 0.2096 |
| 1Y. Thoracolumbar L2-T10 | 8.56 (13.7) | 10.5 (14.14) | 5.61 (11.77) | 4.19 (12.14) | 0.0048 | 0.0001 | 0.4711 |
| 2Y. Thoracolumbar L2-T10 | 8.74 (13.77) | 10.44 (14.25) | 5.53 (11.27) | 5.18 (12.76) | 0.0034 | 0.0017 | 0.8590 |
| 5Y. Thoracolumbar L2-T10 | 9.04 (14.37) | 10.51 (15.29) | 8.25 (12.03) | 4.84 (12.47) | 0.3954 | 0.0340 | 0.2741 |
| RSA | 20.07 (14.64) | 24.99 (13.57) | 14.1 (10.85) | 7.77 (11.66) | 0.0000 | 0.0000 | 0.0002 |
| 6W. RSA | 10.89 (9.16) | 11.3 (8.96) | 14.73 (8.4) | 6.45 (8.76) | 0.0020 | 0.0000 | 0.0000 |
| 6M. RSA | 12.16 (9.72) | 13.42 (8.92) | 15.43 (8.67) | 5.64 (10.18) | 0.0876 | 0.0000 | 0.0000 |
| 1Y. RSA | 12.22 (10.06) | 14.33 (9.41) | 13.01 (8.84) | 4.49 (9.4) | 0.2731 | 0.0000 | 0.0000 |
| 2Y. RSA | 13.34 (10.43) | 15.32 (9.48) | 13.93 (8.76) | 5.62 (11.57) | 0.2486 | 0.0000 | 0.0000 |
| 5Y. RSA | 14.64 (11.9) | 16.87 (10.95) | 17.09 (10.45) | 4.85 (11.52) | 0.9200 | 0.0000 | 0.0000 |
| RPV | -11.42 (8.91) | -13.69 (8.36) | -9.3 (7.51) | -5.16 (8.47) | 0.0000 | 0.0000 | 0.0006 |
| 6W. RPV | -7.02 (7.08) | -7.21 (7.05) | -9.92 (5.75) | -4.06 (7.13) | 0.0005 | 0.0002 | 0.0000 |
| 6M. RPV | -8.47 (7.15) | -9.29 (6.53) | -10.42 (6.52) | -4.3 (8.02) | 0.1919 | 0.0000 | 0.0000 |
| 1Y. RPV | -8.18 (7.05) | -9.32 (6.51) | -9.47 (6.41) | -3.23 (7.23) | 0.8623 | 0.0000 | 0.0000 |
| 2Y. RPV | -8.47 (7.42) | -9.45 (6.74) | -9.32 (6.4) | -4.23 (8.98) | 0.8780 | 0.0000 | 0.0001 |
| 5Y. RPV | -9.24 (7.31) | -10.22 (6.45) | -11.46 (6.78) | -3.89 (8.18) | 0.3753 | 0.0002 | 0.0002 |

| ID | Preop vs 6w | Preop vs 2y | Preop vs 5y | 6w vs 2y | 2y vs 5y | 6w vs 5y |
| --- | --- | --- | --- | --- | --- | --- |
| Static Major curve Cobb angle | 0.0000 | 0.0000 | 0.0000 | 0.7312 | 0.2085 | 0.1283 |
| Sagittal T2-T5 | 0.0000 | 0.0000 | 0.0001 | 0.4083 | 0.6032 | 0.2670 |
| Sagittal T5-T12 | 0.0000 | 0.0000 | 0.0000 | 0.0038 | 0.4060 | 0.0021 |
| Sagittal T2-T12 | 0.0000 | 0.0000 | 0.0000 | 0.0038 | 0.3850 | 0.0021 |
| Lordosis (top of L1-S1) | 0.0000 | 0.0000 | 0.0000 | 0.7082 | 0.8390 | 0.6339 |
| Pelvic Incidence | 0.1063 | 0.9854 | 0.5657 | 0.1118 | 0.5622 | 0.5394 |
| Pelvic Tilt | 0.0000 | 0.0000 | 0.0048 | 0.0009 | 0.5729 | 0.0025 |
| Sacral Slope | 0.0000 | 0.0000 | 0.0510 | 0.3569 | 0.1993 | 0.0454 |
| RLL | 0.0000 | 0.0000 | 0.0000 | 0.1379 | 0.9037 | 0.3632 |
| Global Tilt | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.4470 | 0.0010 |
| T1 Sagittal Tilt | 0.0000 | 0.0000 | 0.0000 | 0.2458 | 0.6120 | 0.1901 |
| Thoracolumbar L2-T10 | 0.0000 | 0.0001 | 0.0036 | 0.0405 | 0.8127 | 0.0887 |
| RSA | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.2056 | 0.0002 |
| RPV | 0.0000 | 0.0000 | 0.0013 | 0.0022 | 0.2448 | 0.0006 |

| ID | Preop vs 6w-Iliac | Preop vs 2y-Iliac | Preop vs 5y-Iliac | 6w vs 2y-Iliac | 2y vs 5y-Iliac | 6w vs 5y-Iliac |
| --- | --- | --- | --- | --- | --- | --- |
| Static Major curve Cobb angle | 0.0000 | 0.0000 | 0.0000 | 0.7896 | 0.6939 | 0.8472 |
| Sagittal T2-T5 | 0.0010 | 0.0001 | 0.0002 | 0.2921 | 0.3257 | 0.0775 |
| Sagittal T5-T12 | 0.0000 | 0.0000 | 0.0000 | 0.0024 | 0.7981 | 0.0126 |
| Sagittal T2-T12 | 0.0000 | 0.0000 | 0.0000 | 0.0029 | 0.3392 | 0.0014 |
| Lordosis (top of L1-S1) | 0.0000 | 0.0000 | 0.0000 | 0.1898 | 0.8349 | 0.2408 |
| Pelvic Incidence | 0.0986 | 0.9043 | 0.5098 | 0.1375 | 0.5763 | 0.5787 |
| Pelvic Tilt | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.6549 | 0.0006 |
| Sacral Slope | 0.0000 | 0.0000 | 0.0086 | 0.1254 | 0.2562 | 0.0190 |
| RLL | 0.0000 | 0.0000 | 0.0000 | 0.0116 | 0.9065 | 0.0895 |
| Global Tilt | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.4340 | 0.0001 |
| T1 Sagittal Tilt | 0.0000 | 0.0000 | 0.0000 | 0.0171 | 0.4274 | 0.0185 |
| Thoracolumbar L2-T10 | 0.7087 | 0.3840 | 0.4780 | 0.1135 | 0.9645 | 0.2606 |
| RSA | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.1881 | 0.0000 |
| RPV | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.2940 | 0.0000 |

| ID | Preop vs 6w-L5 | Preop vs 2y-L5 | Preop vs 5y-L5 | 6w vs 2y-L5 | 2y vs 5y-L5 | 6w vs 5y-L5 |
| --- | --- | --- | --- | --- | --- | --- |
| Static Major curve Cobb angle | 0.0000 | 0.0000 | 0.0006 | 0.2844 | 0.5594 | 0.1945 |
| Sagittal T2-T5 | 0.1674 | 0.2210 | 0.9051 | 0.9917 | 0.4878 | 0.4639 |
| Sagittal T5-T12 | 0.1666 | 0.1818 | 0.0015 | 0.9415 | 0.0369 | 0.0248 |
| Sagittal T2-T12 | 0.0322 | 0.0158 | 0.0065 | 0.6655 | 0.3915 | 0.2204 |
| Lordosis (top of L1-S1) | 0.3675 | 0.1613 | 0.2068 | 0.5126 | 0.8210 | 0.4956 |
| Pelvic Incidence | 0.6430 | 0.9168 | 0.5406 | 0.7111 | 0.4914 | 0.3530 |
| Pelvic Tilt | 0.8918 | 0.9692 | 0.1142 | 0.8623 | 0.1088 | 0.1425 |
| Sacral Slope | 0.4745 | 0.9323 | 0.6291 | 0.5072 | 0.6653 | 0.9668 |
| RLL | 0.1818 | 0.0931 | 0.2921 | 0.6136 | 0.8831 | 0.8671 |
| Global Tilt | 0.9460 | 0.8372 | 0.1669 | 0.7831 | 0.1248 | 0.1811 |
| T1 Sagittal Tilt | 0.3732 | 0.8196 | 0.8619 | 0.4835 | 0.9956 | 0.5860 |
| Thoracolumbar L2-T10 | 0.0001 | 0.0001 | 0.0143 | 0.9108 | 0.3022 | 0.2562 |
| RSA | 0.6848 | 0.9151 | 0.1900 | 0.5797 | 0.1542 | 0.2744 |
| RPV | 0.5572 | 0.9861 | 0.1539 | 0.5529 | 0.1494 | 0.2810 |

| ID | Preop vs 6w-L4 | Preop vs 2y-L4 | Preop vs 5y-L4 | 6w vs 2y-L4 | 2y vs 5y-L4 | 6w vs 5y-L4 |
| --- | --- | --- | --- | --- | --- | --- |
| Static Major curve Cobb angle | 0.0000 | 0.0000 | 0.0000 | 0.8786 | 0.2080 | 0.1616 |
| Sagittal T2-T5 | 0.0005 | 0.0029 | 0.0698 | 0.8372 | 0.9487 | 0.9530 |
| Sagittal T5-T12 | 0.2656 | 0.8015 | 0.5690 | 0.3311 | 0.7008 | 0.6914 |
| Sagittal T2-T12 | 0.3052 | 0.1192 | 0.2995 | 0.4620 | 0.7706 | 0.7864 |
| Lordosis (top of L1-S1) | 0.8254 | 0.2738 | 0.5712 | 0.3150 | 0.8089 | 0.6584 |
| Pelvic Incidence | 0.8752 | 0.7219 | 0.5157 | 0.6197 | 0.3746 | 0.5958 |
| Pelvic Tilt | 0.3319 | 0.6558 | 0.3021 | 0.7092 | 0.5359 | 0.7042 |
| Sacral Slope | 0.5491 | 0.4375 | 0.8609 | 0.8244 | 0.6923 | 0.8049 |
| RLL | 0.7423 | 0.2943 | 0.3482 | 0.4006 | 0.8612 | 0.4465 |
| Global Tilt | 0.3591 | 0.3505 | 0.1300 | 0.8564 | 0.4550 | 0.3381 |
| T1 Sagittal Tilt | 0.5823 | 0.2022 | 0.1260 | 0.0388 | 0.6287 | 0.0311 |
| Thoracolumbar L2-T10 | 0.0000 | 0.0000 | 0.0000 | 0.0960 | 0.8978 | 0.2608 |
| RSA | 0.3684 | 0.2194 | 0.2125 | 0.6019 | 0.7456 | 0.4698 |
| RPV | 0.3275 | 0.4771 | 0.4468 | 0.8945 | 0.8471 | 0.9145 |

### Quality of Life

| Name | all | Iliac | L5 | L4 | Iliac vs L5 p\_val | Iliac vs L4 p\_val | L5 vs L4 p\_val |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 44.57 (18.47) | 48.66 (16.93) | 43.47 (16.81) | 31.5 (18.73) | 0.0149 | 0.0000 | 0.0000 |
| 6M. ODI - Score (%) | 31.02 (17.27) | 32.55 (17.57) | 29.93 (16.68) | 26.52 (15.93) | 0.2468 | 0.0022 | 0.1957 |
| 1Y. ODI - Score (%) | 29 (17.74) | 31.38 (17.1) | 29.23 (18.76) | 21.18 (16.92) | 0.3760 | 0.0000 | 0.0048 |
| 2Y. ODI - Score (%) | 30.51 (20.12) | 32.97 (19.86) | 29.08 (20.29) | 23.27 (19.21) | 0.1305 | 0.0000 | 0.0557 |
| 5Y. ODI - Score (%) | 31.75 (21.15) | 35.23 (22.12) | 28.92 (18.29) | 23.66 (17.83) | 0.0461 | 0.0001 | 0.1381 |
| SRS22 - Function / Activity | 2.86 (0.8) | 2.71 (0.72) | 2.9 (0.74) | 3.34 (0.92) | 0.0368 | 0.0000 | 0.0005 |
| 6M. SRS22 - Function / Activity | 3.13 (0.76) | 3.08 (0.72) | 3.09 (0.82) | 3.34 (0.84) | 0.9394 | 0.0089 | 0.0644 |
| 1Y. SRS22 - Function / Activity | 3.32 (0.84) | 3.23 (0.79) | 3.26 (0.87) | 3.68 (0.88) | 0.8105 | 0.0000 | 0.0024 |
| 2Y. SRS22 - Function / Activity | 3.37 (0.9) | 3.24 (0.87) | 3.49 (0.77) | 3.69 (1) | 0.0125 | 0.0001 | 0.1400 |
| 5Y. SRS22 - Function / Activity | 3.31 (0.9) | 3.22 (0.91) | 3.37 (0.71) | 3.52 (1) | 0.2243 | 0.0427 | 0.3627 |
| SRS22 - Pain | 2.41 (0.91) | 2.31 (0.83) | 2.32 (0.88) | 2.85 (1.07) | 0.8905 | 0.0000 | 0.0004 |
| 6M. SRS22 - Pain | 3.28 (0.95) | 3.28 (0.93) | 3.1 (0.99) | 3.37 (0.97) | 0.1561 | 0.4297 | 0.0798 |
| 1Y. SRS22 - Pain | 3.42 (1) | 3.36 (1) | 3.33 (1) | 3.7 (0.98) | 0.8141 | 0.0037 | 0.0184 |
| 2Y. SRS22 - Pain | 3.35 (1.08) | 3.3 (1.09) | 3.33 (1.01) | 3.54 (1.11) | 0.8049 | 0.0547 | 0.1909 |
| 5Y. SRS22 - Pain | 3.26 (1.13) | 3.23 (1.16) | 3.24 (0.98) | 3.36 (1.16) | 0.9730 | 0.4523 | 0.5422 |
| SRS22 - Self image / Appearance | 2.19 (0.74) | 2.1 (0.73) | 2.27 (0.72) | 2.43 (0.77) | 0.0643 | 0.0002 | 0.1438 |
| 6M. SRS22 - Self image / Appearance | 3.41 (0.79) | 3.36 (0.77) | 3.35 (0.89) | 3.62 (0.78) | 0.8701 | 0.0067 | 0.0468 |
| 1Y. SRS22 - Self image / Appearance | 3.45 (0.82) | 3.37 (0.8) | 3.42 (0.83) | 3.76 (0.83) | 0.5866 | 0.0000 | 0.0092 |
| 2Y. SRS22 - Self image / Appearance | 3.4 (0.91) | 3.31 (0.89) | 3.42 (0.9) | 3.71 (0.92) | 0.3285 | 0.0002 | 0.0394 |
| 5Y. SRS22 - Self image / Appearance | 3.24 (0.96) | 3.15 (0.94) | 3.18 (0.94) | 3.56 (1.01) | 0.8440 | 0.0064 | 0.0431 |
| SRS22 - Mental health | 3.03 (0.9) | 2.98 (0.92) | 3.12 (0.91) | 3.14 (0.82) | 0.2190 | 0.0897 | 0.8732 |
| 6M. SRS22 - Mental health | 3.47 (0.85) | 3.48 (0.85) | 3.41 (0.92) | 3.49 (0.83) | 0.6065 | 0.8682 | 0.5767 |
| 1Y. SRS22 - Mental health | 3.52 (0.87) | 3.5 (0.89) | 3.53 (0.86) | 3.57 (0.81) | 0.7710 | 0.4641 | 0.7734 |
| 2Y. SRS22 - Mental health | 3.46 (0.94) | 3.42 (0.94) | 3.53 (0.91) | 3.56 (0.95) | 0.3547 | 0.2032 | 0.8329 |
| 5Y. SRS22 - Mental health | 3.39 (0.96) | 3.35 (0.98) | 3.4 (0.86) | 3.49 (0.99) | 0.7472 | 0.3506 | 0.6052 |
| SRS22 - SRS Subtotal score | 2.63 (0.66) | 2.53 (0.62) | 2.66 (0.65) | 2.94 (0.72) | 0.1085 | 0.0000 | 0.0065 |
| 6M. SRS22 - SRS Subtotal score | 3.32 (0.68) | 3.3 (0.66) | 3.24 (0.72) | 3.46 (0.72) | 0.4845 | 0.0655 | 0.0566 |
| 1Y. SRS22 - SRS Subtotal score | 3.43 (0.73) | 3.37 (0.71) | 3.39 (0.75) | 3.68 (0.74) | 0.8431 | 0.0004 | 0.0130 |
| 2Y. SRS22 - SRS Subtotal score | 3.4 (0.82) | 3.32 (0.81) | 3.45 (0.74) | 3.63 (0.88) | 0.1738 | 0.0019 | 0.1425 |
| 5Y. SRS22 - SRS Subtotal score | 3.3 (0.87) | 3.24 (0.86) | 3.3 (0.76) | 3.49 (0.95) | 0.6588 | 0.0808 | 0.2522 |
| SRS22 - Satisfaction with management | 2.95 (1.05) | 2.83 (1.03) | 3.12 (1.04) | 3.23 (1.07) | 0.0944 | 0.0204 | 0.6230 |
| 6M. SRS22 - Satisfaction with management | 4.2 (0.85) | 4.18 (0.87) | 4.13 (0.9) | 4.33 (0.74) | 0.6791 | 0.1038 | 0.1428 |
| 1Y. SRS22 - Satisfaction with management | 4.16 (0.92) | 4.14 (0.89) | 4.08 (1) | 4.29 (0.93) | 0.6485 | 0.1588 | 0.1649 |
| 2Y. SRS22 - Satisfaction with management | 4.11 (0.97) | 4.06 (0.98) | 4.07 (0.93) | 4.3 (0.93) | 0.9038 | 0.0277 | 0.1122 |
| 5Y. SRS22 - Satisfaction with management | 3.87 (1.1) | 3.84 (1.12) | 3.83 (1.01) | 4 (1.14) | 0.9823 | 0.3407 | 0.4248 |
| SF36 - PCS | 34.08 (8.87) | 32.58 (7.8) | 33.8 (8.26) | 39.52 (10.63) | 0.2366 | 0.0000 | 0.0001 |
| 6M. SF36 - PCS | 39.56 (8.73) | 39.14 (8.34) | 37.74 (9.16) | 42.29 (9.18) | 0.2554 | 0.0039 | 0.0026 |
| 1Y. SF36 - PCS | 41.04 (9.39) | 39.85 (8.87) | 40.41 (9.77) | 45.35 (9.57) | 0.6533 | 0.0000 | 0.0014 |
| 2Y. SF36 - PCS | 40.85 (9.77) | 39.33 (9.72) | 41.79 (8.69) | 45.18 (9.44) | 0.0367 | 0.0000 | 0.0181 |
| 5Y. SF36 - PCS | 39.5 (10.55) | 37.92 (10.99) | 40.16 (8.82) | 43.94 (9.34) | 0.1852 | 0.0007 | 0.0615 |
| SF36 - MCS | 41.43 (12.31) | 41 (12.28) | 42.88 (13.82) | 41.77 (11.12) | 0.2699 | 0.5524 | 0.5660 |
| 6M. SF36 - MCS | 46.81 (12.06) | 46.63 (11.91) | 46.45 (13.07) | 47.68 (11.88) | 0.9177 | 0.4584 | 0.5446 |
| 1Y. SF36 - MCS | 46.76 (12.04) | 46.41 (12.16) | 47.23 (12.82) | 47.5 (11.12) | 0.6266 | 0.4183 | 0.8842 |
| 2Y. SF36 - MCS | 46.87 (12.21) | 46.17 (12.27) | 48.46 (12.92) | 47.95 (11.36) | 0.1726 | 0.1988 | 0.7897 |
| 5Y. SF36 - MCS | 46.27 (12.06) | 45.35 (12.4) | 46.4 (12.3) | 49.13 (10.43) | 0.6364 | 0.0508 | 0.2807 |

| ID | Preop vs 6m | Preop vs 2y | Preop vs 5y | 6m vs 2y | 2y vs 5y | 6m vs 5y |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0 | 0 | 0 | 0.6651 | 0.4206 | 0.6252 |
| SRS22 - Function / Activity | 0 | 0 | 0 | 0.0000 | 0.3832 | 0.0054 |
| SRS22 - Pain | 0 | 0 | 0 | 0.2613 | 0.2869 | 0.8511 |
| SRS22 - Self image / Appearance | 0 | 0 | 0 | 0.8775 | 0.0195 | 0.0113 |
| SRS22 - Mental health | 0 | 0 | 0 | 0.9000 | 0.2914 | 0.2374 |
| SRS22 - SRS Subtotal score | 0 | 0 | 0 | 0.1286 | 0.1266 | 0.6992 |
| SRS22 - Satisfaction with management | 0 | 0 | 0 | 0.0968 | 0.0026 | 0.0000 |
| SF36 - PCS | 0 | 0 | 0 | 0.0338 | 0.1081 | 0.9362 |
| SF36 - MCS | 0 | 0 | 0 | 0.9374 | 0.5421 | 0.5843 |

| ID | Preop vs 6m-Iliac | Preop vs 2y-Iliac | Preop vs 5y-Iliac | 6m vs 2y-Iliac | 2y vs 5y-Iliac | 6m vs 5y-Iliac |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0 | 0 | 0.0000 | 0.7743 | 0.2553 | 0.1665 |
| SRS22 - Function / Activity | 0 | 0 | 0.0000 | 0.0102 | 0.8111 | 0.0753 |
| SRS22 - Pain | 0 | 0 | 0.0000 | 0.8865 | 0.5475 | 0.6070 |
| SRS22 - Self image / Appearance | 0 | 0 | 0.0000 | 0.3785 | 0.0627 | 0.0090 |
| SRS22 - Mental health | 0 | 0 | 0.0000 | 0.4245 | 0.4497 | 0.1575 |
| SRS22 - SRS Subtotal score | 0 | 0 | 0.0000 | 0.8170 | 0.3315 | 0.3991 |
| SRS22 - Satisfaction with management | 0 | 0 | 0.0000 | 0.0918 | 0.0277 | 0.0005 |
| SF36 - PCS | 0 | 0 | 0.0000 | 0.7987 | 0.1956 | 0.2445 |
| SF36 - MCS | 0 | 0 | 0.0006 | 0.6401 | 0.5155 | 0.3080 |

| ID | Preop vs 6m-L5 | Preop vs 2y-L5 | Preop vs 5y-L5 | 6m vs 2y-L5 | 2y vs 5y-L5 | 6m vs 5y-L5 |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0.0000 | 0.0000 | 0.0000 | 0.7828 | 0.9634 | 0.7621 |
| SRS22 - Function / Activity | 0.1528 | 0.0000 | 0.0006 | 0.0028 | 0.3608 | 0.0507 |
| SRS22 - Pain | 0.0000 | 0.0000 | 0.0000 | 0.1693 | 0.6217 | 0.4445 |
| SRS22 - Self image / Appearance | 0.0000 | 0.0000 | 0.0000 | 0.6214 | 0.1588 | 0.3367 |
| SRS22 - Mental health | 0.0580 | 0.0064 | 0.0878 | 0.4529 | 0.4247 | 0.9324 |
| SRS22 - SRS Subtotal score | 0.0000 | 0.0000 | 0.0000 | 0.0860 | 0.2769 | 0.6677 |
| SRS22 - Satisfaction with management | 0.0000 | 0.0000 | 0.0011 | 0.7057 | 0.1890 | 0.1095 |
| SF36 - PCS | 0.0080 | 0.0000 | 0.0003 | 0.0088 | 0.3497 | 0.1807 |
| SF36 - MCS | 0.1146 | 0.0114 | 0.1626 | 0.3636 | 0.4052 | 0.9848 |

| ID | Preop vs 6m-L4 | Preop vs 2y-L4 | Preop vs 5y-L4 | 6m vs 2y-L4 | 2y vs 5y-L4 | 6m vs 5y-L4 |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0.0485 | 0.0025 | 0.0096 | 0.2054 | 0.8979 | 0.3201 |
| SRS22 - Function / Activity | 0.9531 | 0.0108 | 0.2640 | 0.0078 | 0.3003 | 0.2370 |
| SRS22 - Pain | 0.0004 | 0.0000 | 0.0063 | 0.2736 | 0.3527 | 0.9547 |
| SRS22 - Self image / Appearance | 0.0000 | 0.0000 | 0.0000 | 0.4634 | 0.3709 | 0.7279 |
| SRS22 - Mental health | 0.0037 | 0.0011 | 0.0241 | 0.6087 | 0.6756 | 0.9943 |
| SRS22 - SRS Subtotal score | 0.0000 | 0.0000 | 0.0002 | 0.1447 | 0.3515 | 0.8491 |
| SRS22 - Satisfaction with management | 0.0000 | 0.0000 | 0.0004 | 0.7895 | 0.0912 | 0.0502 |
| SF36 - PCS | 0.0558 | 0.0001 | 0.0150 | 0.0371 | 0.4753 | 0.3403 |
| SF36 - MCS | 0.0005 | 0.0002 | 0.0003 | 0.8782 | 0.5529 | 0.4761 |

### Change Quality of Life

| Name | all | Iliac | L5 | L4 | Iliac vs L5 p\_val | Iliac vs L4 p\_val | L5 vs L4 p\_val |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 44.57 (18.47) | 48.66 (16.93) | 43.47 (16.81) | 31.5 (18.73) | 0.0149 | 0.0000 | 0.0000 |
| 6M. ODI - Score (%) | 31.02 (17.27) | 32.55 (17.57) | 29.93 (16.68) | 26.52 (15.93) | 0.2468 | 0.0022 | 0.1957 |
| 1Y. ODI - Score (%) | 29 (17.74) | 31.38 (17.1) | 29.23 (18.76) | 21.18 (16.92) | 0.3760 | 0.0000 | 0.0048 |
| 2Y. ODI - Score (%) | 30.51 (20.12) | 32.97 (19.86) | 29.08 (20.29) | 23.27 (19.21) | 0.1305 | 0.0000 | 0.0557 |
| 5Y. ODI - Score (%) | 31.75 (21.15) | 35.23 (22.12) | 28.92 (18.29) | 23.66 (17.83) | 0.0461 | 0.0001 | 0.1381 |
| SRS22 - Function / Activity | 2.86 (0.8) | 2.71 (0.72) | 2.9 (0.74) | 3.34 (0.92) | 0.0368 | 0.0000 | 0.0005 |
| 6M. SRS22 - Function / Activity | 3.13 (0.76) | 3.08 (0.72) | 3.09 (0.82) | 3.34 (0.84) | 0.9394 | 0.0089 | 0.0644 |
| 1Y. SRS22 - Function / Activity | 3.32 (0.84) | 3.23 (0.79) | 3.26 (0.87) | 3.68 (0.88) | 0.8105 | 0.0000 | 0.0024 |
| 2Y. SRS22 - Function / Activity | 3.37 (0.9) | 3.24 (0.87) | 3.49 (0.77) | 3.69 (1) | 0.0125 | 0.0001 | 0.1400 |
| 5Y. SRS22 - Function / Activity | 3.31 (0.9) | 3.22 (0.91) | 3.37 (0.71) | 3.52 (1) | 0.2243 | 0.0427 | 0.3627 |
| SRS22 - Pain | 2.41 (0.91) | 2.31 (0.83) | 2.32 (0.88) | 2.85 (1.07) | 0.8905 | 0.0000 | 0.0004 |
| 6M. SRS22 - Pain | 3.28 (0.95) | 3.28 (0.93) | 3.1 (0.99) | 3.37 (0.97) | 0.1561 | 0.4297 | 0.0798 |
| 1Y. SRS22 - Pain | 3.42 (1) | 3.36 (1) | 3.33 (1) | 3.7 (0.98) | 0.8141 | 0.0037 | 0.0184 |
| 2Y. SRS22 - Pain | 3.35 (1.08) | 3.3 (1.09) | 3.33 (1.01) | 3.54 (1.11) | 0.8049 | 0.0547 | 0.1909 |
| 5Y. SRS22 - Pain | 3.26 (1.13) | 3.23 (1.16) | 3.24 (0.98) | 3.36 (1.16) | 0.9730 | 0.4523 | 0.5422 |
| SRS22 - Self image / Appearance | 2.19 (0.74) | 2.1 (0.73) | 2.27 (0.72) | 2.43 (0.77) | 0.0643 | 0.0002 | 0.1438 |
| 6M. SRS22 - Self image / Appearance | 3.41 (0.79) | 3.36 (0.77) | 3.35 (0.89) | 3.62 (0.78) | 0.8701 | 0.0067 | 0.0468 |
| 1Y. SRS22 - Self image / Appearance | 3.45 (0.82) | 3.37 (0.8) | 3.42 (0.83) | 3.76 (0.83) | 0.5866 | 0.0000 | 0.0092 |
| 2Y. SRS22 - Self image / Appearance | 3.4 (0.91) | 3.31 (0.89) | 3.42 (0.9) | 3.71 (0.92) | 0.3285 | 0.0002 | 0.0394 |
| 5Y. SRS22 - Self image / Appearance | 3.24 (0.96) | 3.15 (0.94) | 3.18 (0.94) | 3.56 (1.01) | 0.8440 | 0.0064 | 0.0431 |
| SRS22 - Mental health | 3.03 (0.9) | 2.98 (0.92) | 3.12 (0.91) | 3.14 (0.82) | 0.2190 | 0.0897 | 0.8732 |
| 6M. SRS22 - Mental health | 3.47 (0.85) | 3.48 (0.85) | 3.41 (0.92) | 3.49 (0.83) | 0.6065 | 0.8682 | 0.5767 |
| 1Y. SRS22 - Mental health | 3.52 (0.87) | 3.5 (0.89) | 3.53 (0.86) | 3.57 (0.81) | 0.7710 | 0.4641 | 0.7734 |
| 2Y. SRS22 - Mental health | 3.46 (0.94) | 3.42 (0.94) | 3.53 (0.91) | 3.56 (0.95) | 0.3547 | 0.2032 | 0.8329 |
| 5Y. SRS22 - Mental health | 3.39 (0.96) | 3.35 (0.98) | 3.4 (0.86) | 3.49 (0.99) | 0.7472 | 0.3506 | 0.6052 |
| SRS22 - SRS Subtotal score | 2.63 (0.66) | 2.53 (0.62) | 2.66 (0.65) | 2.94 (0.72) | 0.1085 | 0.0000 | 0.0065 |
| 6M. SRS22 - SRS Subtotal score | 3.32 (0.68) | 3.3 (0.66) | 3.24 (0.72) | 3.46 (0.72) | 0.4845 | 0.0655 | 0.0566 |
| 1Y. SRS22 - SRS Subtotal score | 3.43 (0.73) | 3.37 (0.71) | 3.39 (0.75) | 3.68 (0.74) | 0.8431 | 0.0004 | 0.0130 |
| 2Y. SRS22 - SRS Subtotal score | 3.4 (0.82) | 3.32 (0.81) | 3.45 (0.74) | 3.63 (0.88) | 0.1738 | 0.0019 | 0.1425 |
| 5Y. SRS22 - SRS Subtotal score | 3.3 (0.87) | 3.24 (0.86) | 3.3 (0.76) | 3.49 (0.95) | 0.6588 | 0.0808 | 0.2522 |
| SRS22 - Satisfaction with management | 2.95 (1.05) | 2.83 (1.03) | 3.12 (1.04) | 3.23 (1.07) | 0.0944 | 0.0204 | 0.6230 |
| 6M. SRS22 - Satisfaction with management | 4.2 (0.85) | 4.18 (0.87) | 4.13 (0.9) | 4.33 (0.74) | 0.6791 | 0.1038 | 0.1428 |
| 1Y. SRS22 - Satisfaction with management | 4.16 (0.92) | 4.14 (0.89) | 4.08 (1) | 4.29 (0.93) | 0.6485 | 0.1588 | 0.1649 |
| 2Y. SRS22 - Satisfaction with management | 4.11 (0.97) | 4.06 (0.98) | 4.07 (0.93) | 4.3 (0.93) | 0.9038 | 0.0277 | 0.1122 |
| 5Y. SRS22 - Satisfaction with management | 3.87 (1.1) | 3.84 (1.12) | 3.83 (1.01) | 4 (1.14) | 0.9823 | 0.3407 | 0.4248 |
| SF36 - PCS | 34.08 (8.87) | 32.58 (7.8) | 33.8 (8.26) | 39.52 (10.63) | 0.2366 | 0.0000 | 0.0001 |
| 6M. SF36 - PCS | 39.56 (8.73) | 39.14 (8.34) | 37.74 (9.16) | 42.29 (9.18) | 0.2554 | 0.0039 | 0.0026 |
| 1Y. SF36 - PCS | 41.04 (9.39) | 39.85 (8.87) | 40.41 (9.77) | 45.35 (9.57) | 0.6533 | 0.0000 | 0.0014 |
| 2Y. SF36 - PCS | 40.85 (9.77) | 39.33 (9.72) | 41.79 (8.69) | 45.18 (9.44) | 0.0367 | 0.0000 | 0.0181 |
| 5Y. SF36 - PCS | 39.5 (10.55) | 37.92 (10.99) | 40.16 (8.82) | 43.94 (9.34) | 0.1852 | 0.0007 | 0.0615 |
| SF36 - MCS | 41.43 (12.31) | 41 (12.28) | 42.88 (13.82) | 41.77 (11.12) | 0.2699 | 0.5524 | 0.5660 |
| 6M. SF36 - MCS | 46.81 (12.06) | 46.63 (11.91) | 46.45 (13.07) | 47.68 (11.88) | 0.9177 | 0.4584 | 0.5446 |
| 1Y. SF36 - MCS | 46.76 (12.04) | 46.41 (12.16) | 47.23 (12.82) | 47.5 (11.12) | 0.6266 | 0.4183 | 0.8842 |
| 2Y. SF36 - MCS | 46.87 (12.21) | 46.17 (12.27) | 48.46 (12.92) | 47.95 (11.36) | 0.1726 | 0.1988 | 0.7897 |
| 5Y. SF36 - MCS | 46.27 (12.06) | 45.35 (12.4) | 46.4 (12.3) | 49.13 (10.43) | 0.6364 | 0.0508 | 0.2807 |
| 6M. ODI - Score (%) | -13.34 (19.04) | -15.83 (19.27) | -13.35 (15.99) | -4.88 (17.98) | 0.2769 | 0.0000 | 0.0024 |
| 1Y. ODI - Score (%) | -15.31 (16.92) | -17.26 (17.19) | -14.14 (15.85) | -9.9 (15.66) | 0.1499 | 0.0001 | 0.0920 |
| 2Y. ODI - Score (%) | -14.09 (18.9) | -16.1 (19.6) | -13.46 (16.73) | -7.83 (16.71) | 0.2396 | 0.0001 | 0.0315 |
| 5Y. ODI - Score (%) | -11.58 (19) | -12.87 (20.68) | -10.74 (15.75) | -8.41 (15.73) | 0.4516 | 0.0937 | 0.4591 |
| 6M. SRS22 - Function / Activity | 0.25 (0.83) | 0.35 (0.79) | 0.18 (0.76) | -0.04 (0.92) | 0.1277 | 0.0004 | 0.0952 |
| 1Y. SRS22 - Function / Activity | 0.45 (0.78) | 0.52 (0.75) | 0.34 (0.79) | 0.32 (0.83) | 0.0887 | 0.0373 | 0.8645 |
| 2Y. SRS22 - Function / Activity | 0.5 (0.85) | 0.52 (0.85) | 0.55 (0.78) | 0.36 (0.89) | 0.7901 | 0.1197 | 0.1485 |
| 5Y. SRS22 - Function / Activity | 0.39 (0.83) | 0.45 (0.84) | 0.34 (0.74) | 0.23 (0.89) | 0.3593 | 0.0982 | 0.4973 |
| 6M. SRS22 - Pain | 0.87 (1.01) | 0.97 (1) | 0.81 (0.91) | 0.53 (1.05) | 0.1992 | 0.0005 | 0.0809 |
| 1Y. SRS22 - Pain | 1 (0.97) | 1.06 (0.95) | 1 (0.91) | 0.82 (1.03) | 0.6288 | 0.0492 | 0.2444 |
| 2Y. SRS22 - Pain | 0.95 (1.03) | 1.01 (1.04) | 0.97 (0.89) | 0.72 (1.09) | 0.7270 | 0.0219 | 0.1064 |
| 5Y. SRS22 - Pain | 0.83 (1.06) | 0.94 (1.06) | 0.77 (0.89) | 0.53 (1.12) | 0.2724 | 0.0175 | 0.2264 |
| 6M. SRS22 - Self image / Appearance | 1.21 (0.97) | 1.24 (0.99) | 1.09 (0.92) | 1.15 (0.92) | 0.2427 | 0.3806 | 0.7250 |
| 1Y. SRS22 - Self image / Appearance | 1.26 (0.95) | 1.28 (0.94) | 1.18 (0.93) | 1.29 (1.01) | 0.4166 | 0.8947 | 0.4476 |
| 2Y. SRS22 - Self image / Appearance | 1.22 (1) | 1.22 (1.03) | 1.15 (0.88) | 1.29 (1.01) | 0.5255 | 0.5536 | 0.3221 |
| 5Y. SRS22 - Self image / Appearance | 1.03 (0.97) | 1.09 (0.99) | 0.8 (0.86) | 1.02 (1) | 0.0578 | 0.6400 | 0.2534 |
| 6M. SRS22 - Mental health | 0.42 (0.87) | 0.47 (0.89) | 0.31 (0.77) | 0.33 (0.87) | 0.1546 | 0.1862 | 0.8920 |
| 1Y. SRS22 - Mental health | 0.46 (0.89) | 0.49 (0.9) | 0.39 (0.83) | 0.39 (0.91) | 0.3417 | 0.3267 | 0.9899 |
| 2Y. SRS22 - Mental health | 0.43 (0.94) | 0.44 (0.95) | 0.37 (0.74) | 0.41 (1.04) | 0.4855 | 0.8121 | 0.7534 |
| 5Y. SRS22 - Mental health | 0.38 (0.88) | 0.47 (0.82) | 0.16 (0.75) | 0.28 (1.1) | 0.0176 | 0.2525 | 0.5049 |
| 6M. SRS22 - SRS Subtotal score | 0.68 (0.7) | 0.76 (0.69) | 0.59 (0.64) | 0.49 (0.75) | 0.0714 | 0.0033 | 0.3818 |
| 1Y. SRS22 - SRS Subtotal score | 0.79 (0.69) | 0.84 (0.66) | 0.72 (0.72) | 0.7 (0.76) | 0.2195 | 0.1302 | 0.8873 |
| 2Y. SRS22 - SRS Subtotal score | 0.77 (0.75) | 0.8 (0.76) | 0.76 (0.65) | 0.7 (0.82) | 0.6794 | 0.3036 | 0.6004 |
| 5Y. SRS22 - SRS Subtotal score | 0.65 (0.72) | 0.74 (0.71) | 0.51 (0.58) | 0.51 (0.83) | 0.0256 | 0.0712 | 0.9748 |
| 6M. SRS22 - Satisfaction with management | 1.19 (1.29) | 1.26 (1.27) | 1.04 (1.35) | 1.02 (1.27) | 0.3595 | 0.2774 | 0.9560 |
| 1Y. SRS22 - Satisfaction with management | 1.11 (1.39) | 1.23 (1.35) | 1.04 (1.29) | 0.77 (1.57) | 0.4150 | 0.0783 | 0.3850 |
| 2Y. SRS22 - Satisfaction with management | 1.07 (1.37) | 1.11 (1.35) | 0.89 (1.46) | 1.09 (1.37) | 0.3725 | 0.8958 | 0.5218 |
| 5Y. SRS22 - Satisfaction with management | 0.84 (1.37) | 0.93 (1.38) | 0.71 (1.2) | 0.67 (1.53) | 0.4420 | 0.4825 | 0.9185 |
| 6M. SF36 - PCS | 5.26 (9.62) | 6.26 (9.37) | 3.79 (9.68) | 3.01 (10) | 0.0677 | 0.0073 | 0.6316 |
| 1Y. SF36 - PCS | 6.85 (8.85) | 7.23 (8.51) | 6.38 (9.89) | 5.97 (9.1) | 0.5111 | 0.2466 | 0.7882 |
| 2Y. SF36 - PCS | 6.58 (9.56) | 6.8 (9.66) | 7.13 (8.89) | 5.46 (9.73) | 0.7844 | 0.2561 | 0.2629 |
| 5Y. SF36 - PCS | 5.26 (10.26) | 5.6 (10.52) | 4.73 (10.83) | 4.63 (9.02) | 0.6610 | 0.5654 | 0.9661 |
| 6M. SF36 - MCS | 5.36 (12.76) | 5.54 (13.46) | 4.11 (10.28) | 5.64 (12.01) | 0.3470 | 0.9468 | 0.4006 |
| 1Y. SF36 - MCS | 4.92 (12.08) | 5.02 (12.39) | 4.17 (10.61) | 5.2 (12.23) | 0.5646 | 0.8998 | 0.5699 |
| 2Y. SF36 - MCS | 5.36 (13.34) | 5.18 (13.97) | 5.78 (11.02) | 5.63 (12.95) | 0.6991 | 0.7810 | 0.9339 |
| 5Y. SF36 - MCS | 4.54 (12.29) | 4.63 (12.18) | 3.04 (11.63) | 5.61 (13.34) | 0.4628 | 0.6786 | 0.3638 |

| ID | Preop vs 6m | Preop vs 2y | Preop vs 5y | 6m vs 2y | 2y vs 5y | 6m vs 5y |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0 | 0 | 0 | 0.5442 | 0.0813 | 0.2266 |
| SRS22 - Function / Activity | 0 | 0 | 0 | 0.0000 | 0.0846 | 0.0291 |
| SRS22 - Pain | 0 | 0 | 0 | 0.2117 | 0.1279 | 0.6310 |
| SRS22 - Self image / Appearance | 0 | 0 | 0 | 0.7709 | 0.0073 | 0.0149 |
| SRS22 - Mental health | 0 | 0 | 0 | 0.9450 | 0.4850 | 0.5170 |
| SRS22 - SRS Subtotal score | 0 | 0 | 0 | 0.0607 | 0.0330 | 0.5834 |
| SRS22 - Satisfaction with management | 0 | 0 | 0 | 0.3469 | 0.1068 | 0.0168 |
| SF36 - PCS | 0 | 0 | 0 | 0.0394 | 0.1129 | 0.9927 |
| SF36 - MCS | 0 | 0 | 0 | 0.9958 | 0.4328 | 0.4299 |

| ID | Preop vs 6m-Iliac | Preop vs 2y-Iliac | Preop vs 5y-Iliac | 6m vs 2y-Iliac | 2y vs 5y-Iliac | 6m vs 5y-Iliac |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0 | 0 | 0 | 0.8654 | 0.0963 | 0.1273 |
| SRS22 - Function / Activity | 0 | 0 | 0 | 0.0063 | 0.3706 | 0.1713 |
| SRS22 - Pain | 0 | 0 | 0 | 0.6463 | 0.4771 | 0.7335 |
| SRS22 - Self image / Appearance | 0 | 0 | 0 | 0.7680 | 0.1544 | 0.0929 |
| SRS22 - Mental health | 0 | 0 | 0 | 0.6980 | 0.7519 | 0.9754 |
| SRS22 - SRS Subtotal score | 0 | 0 | 0 | 0.4927 | 0.3979 | 0.7790 |
| SRS22 - Satisfaction with management | 0 | 0 | 0 | 0.3055 | 0.3086 | 0.0679 |
| SF36 - PCS | 0 | 0 | 0 | 0.4976 | 0.2652 | 0.5332 |
| SF36 - MCS | 0 | 0 | 0 | 0.7525 | 0.6808 | 0.4920 |

| ID | Preop vs 6m-L5 | Preop vs 2y-L5 | Preop vs 5y-L5 | 6m vs 2y-L5 | 2y vs 5y-L5 | 6m vs 5y-L5 |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0 | 0 | 0 | 0.9697 | 0.3713 | 0.3940 |
| SRS22 - Function / Activity | 0 | 0 | 0 | 0.0064 | 0.1349 | 0.2951 |
| SRS22 - Pain | 0 | 0 | 0 | 0.3043 | 0.2395 | 0.8249 |
| SRS22 - Self image / Appearance | 0 | 0 | 0 | 0.7337 | 0.0390 | 0.0955 |
| SRS22 - Mental health | 0 | 0 | 0 | 0.6569 | 0.1367 | 0.3017 |
| SRS22 - SRS Subtotal score | 0 | 0 | 0 | 0.1391 | 0.0317 | 0.4774 |
| SRS22 - Satisfaction with management | 0 | 0 | 0 | 0.6380 | 0.5852 | 0.3062 |
| SF36 - PCS | 0 | 0 | 0 | 0.0418 | 0.2477 | 0.6629 |
| SF36 - MCS | 0 | 0 | 0 | 0.3675 | 0.2376 | 0.6418 |

| ID | Preop vs 6m-L4 | Preop vs 2y-L4 | Preop vs 5y-L4 | 6m vs 2y-L4 | 2y vs 5y-L4 | 6m vs 5y-L4 |
| --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 0 | 0 | 0 | 0.2493 | 0.8313 | 0.2142 |
| SRS22 - Function / Activity | 0 | 0 | 0 | 0.0024 | 0.3609 | 0.0806 |
| SRS22 - Pain | 0 | 0 | 0 | 0.2229 | 0.3030 | 0.9915 |
| SRS22 - Self image / Appearance | 0 | 0 | 0 | 0.3073 | 0.1052 | 0.4293 |
| SRS22 - Mental health | 0 | 0 | 0 | 0.5537 | 0.4720 | 0.7836 |
| SRS22 - SRS Subtotal score | 0 | 0 | 0 | 0.0729 | 0.1793 | 0.8840 |
| SRS22 - Satisfaction with management | 0 | 0 | 0 | 0.8249 | 0.2825 | 0.3563 |
| SF36 - PCS | 0 | 0 | 0 | 0.1006 | 0.6374 | 0.3617 |
| SF36 - MCS | 0 | 0 | 0 | 0.9947 | 0.9938 | 0.9896 |

### Surgery

| Name | all | Iliac | L5 | L4 | Iliac vs L5 p\_val | Iliac vs L4 p\_val | L5 vs L4 p\_val |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ODI - Score (%) | 44.57 (18.47) | 48.66 (16.93) | 43.47 (16.81) | 31.5 (18.73) | 0.0149 | 0.0000 | 0.0000 |
| 6M. ODI - Score (%) | 31.02 (17.27) | 32.55 (17.57) | 29.93 (16.68) | 26.52 (15.93) | 0.2468 | 0.0022 | 0.1957 |
| 1Y. ODI - Score (%) | 29 (17.74) | 31.38 (17.1) | 29.23 (18.76) | 21.18 (16.92) | 0.3760 | 0.0000 | 0.0048 |
| 2Y. ODI - Score (%) | 30.51 (20.12) | 32.97 (19.86) | 29.08 (20.29) | 23.27 (19.21) | 0.1305 | 0.0000 | 0.0557 |
| 5Y. ODI - Score (%) | 31.75 (21.15) | 35.23 (22.12) | 28.92 (18.29) | 23.66 (17.83) | 0.0461 | 0.0001 | 0.1381 |
| SRS22 - Function / Activity | 2.86 (0.8) | 2.71 (0.72) | 2.9 (0.74) | 3.34 (0.92) | 0.0368 | 0.0000 | 0.0005 |
| 6M. SRS22 - Function / Activity | 3.13 (0.76) | 3.08 (0.72) | 3.09 (0.82) | 3.34 (0.84) | 0.9394 | 0.0089 | 0.0644 |
| 1Y. SRS22 - Function / Activity | 3.32 (0.84) | 3.23 (0.79) | 3.26 (0.87) | 3.68 (0.88) | 0.8105 | 0.0000 | 0.0024 |
| 2Y. SRS22 - Function / Activity | 3.37 (0.9) | 3.24 (0.87) | 3.49 (0.77) | 3.69 (1) | 0.0125 | 0.0001 | 0.1400 |
| 5Y. SRS22 - Function / Activity | 3.31 (0.9) | 3.22 (0.91) | 3.37 (0.71) | 3.52 (1) | 0.2243 | 0.0427 | 0.3627 |
| SRS22 - Pain | 2.41 (0.91) | 2.31 (0.83) | 2.32 (0.88) | 2.85 (1.07) | 0.8905 | 0.0000 | 0.0004 |
| 6M. SRS22 - Pain | 3.28 (0.95) | 3.28 (0.93) | 3.1 (0.99) | 3.37 (0.97) | 0.1561 | 0.4297 | 0.0798 |
| 1Y. SRS22 - Pain | 3.42 (1) | 3.36 (1) | 3.33 (1) | 3.7 (0.98) | 0.8141 | 0.0037 | 0.0184 |
| 2Y. SRS22 - Pain | 3.35 (1.08) | 3.3 (1.09) | 3.33 (1.01) | 3.54 (1.11) | 0.8049 | 0.0547 | 0.1909 |
| 5Y. SRS22 - Pain | 3.26 (1.13) | 3.23 (1.16) | 3.24 (0.98) | 3.36 (1.16) | 0.9730 | 0.4523 | 0.5422 |
| SRS22 - Self image / Appearance | 2.19 (0.74) | 2.1 (0.73) | 2.27 (0.72) | 2.43 (0.77) | 0.0643 | 0.0002 | 0.1438 |
| 6M. SRS22 - Self image / Appearance | 3.41 (0.79) | 3.36 (0.77) | 3.35 (0.89) | 3.62 (0.78) | 0.8701 | 0.0067 | 0.0468 |
| 1Y. SRS22 - Self image / Appearance | 3.45 (0.82) | 3.37 (0.8) | 3.42 (0.83) | 3.76 (0.83) | 0.5866 | 0.0000 | 0.0092 |
| 2Y. SRS22 - Self image / Appearance | 3.4 (0.91) | 3.31 (0.89) | 3.42 (0.9) | 3.71 (0.92) | 0.3285 | 0.0002 | 0.0394 |
| 5Y. SRS22 - Self image / Appearance | 3.24 (0.96) | 3.15 (0.94) | 3.18 (0.94) | 3.56 (1.01) | 0.8440 | 0.0064 | 0.0431 |
| SRS22 - Mental health | 3.03 (0.9) | 2.98 (0.92) | 3.12 (0.91) | 3.14 (0.82) | 0.2190 | 0.0897 | 0.8732 |
| 6M. SRS22 - Mental health | 3.47 (0.85) | 3.48 (0.85) | 3.41 (0.92) | 3.49 (0.83) | 0.6065 | 0.8682 | 0.5767 |
| 1Y. SRS22 - Mental health | 3.52 (0.87) | 3.5 (0.89) | 3.53 (0.86) | 3.57 (0.81) | 0.7710 | 0.4641 | 0.7734 |
| 2Y. SRS22 - Mental health | 3.46 (0.94) | 3.42 (0.94) | 3.53 (0.91) | 3.56 (0.95) | 0.3547 | 0.2032 | 0.8329 |
| 5Y. SRS22 - Mental health | 3.39 (0.96) | 3.35 (0.98) | 3.4 (0.86) | 3.49 (0.99) | 0.7472 | 0.3506 | 0.6052 |
| SRS22 - SRS Subtotal score | 2.63 (0.66) | 2.53 (0.62) | 2.66 (0.65) | 2.94 (0.72) | 0.1085 | 0.0000 | 0.0065 |
| 6M. SRS22 - SRS Subtotal score | 3.32 (0.68) | 3.3 (0.66) | 3.24 (0.72) | 3.46 (0.72) | 0.4845 | 0.0655 | 0.0566 |
| 1Y. SRS22 - SRS Subtotal score | 3.43 (0.73) | 3.37 (0.71) | 3.39 (0.75) | 3.68 (0.74) | 0.8431 | 0.0004 | 0.0130 |
| 2Y. SRS22 - SRS Subtotal score | 3.4 (0.82) | 3.32 (0.81) | 3.45 (0.74) | 3.63 (0.88) | 0.1738 | 0.0019 | 0.1425 |
| 5Y. SRS22 - SRS Subtotal score | 3.3 (0.87) | 3.24 (0.86) | 3.3 (0.76) | 3.49 (0.95) | 0.6588 | 0.0808 | 0.2522 |
| SRS22 - Satisfaction with management | 2.95 (1.05) | 2.83 (1.03) | 3.12 (1.04) | 3.23 (1.07) | 0.0944 | 0.0204 | 0.6230 |
| 6M. SRS22 - Satisfaction with management | 4.2 (0.85) | 4.18 (0.87) | 4.13 (0.9) | 4.33 (0.74) | 0.6791 | 0.1038 | 0.1428 |
| 1Y. SRS22 - Satisfaction with management | 4.16 (0.92) | 4.14 (0.89) | 4.08 (1) | 4.29 (0.93) | 0.6485 | 0.1588 | 0.1649 |
| 2Y. SRS22 - Satisfaction with management | 4.11 (0.97) | 4.06 (0.98) | 4.07 (0.93) | 4.3 (0.93) | 0.9038 | 0.0277 | 0.1122 |
| 5Y. SRS22 - Satisfaction with management | 3.87 (1.1) | 3.84 (1.12) | 3.83 (1.01) | 4 (1.14) | 0.9823 | 0.3407 | 0.4248 |
| SF36 - PCS | 34.08 (8.87) | 32.58 (7.8) | 33.8 (8.26) | 39.52 (10.63) | 0.2366 | 0.0000 | 0.0001 |
| 6M. SF36 - PCS | 39.56 (8.73) | 39.14 (8.34) | 37.74 (9.16) | 42.29 (9.18) | 0.2554 | 0.0039 | 0.0026 |
| 1Y. SF36 - PCS | 41.04 (9.39) | 39.85 (8.87) | 40.41 (9.77) | 45.35 (9.57) | 0.6533 | 0.0000 | 0.0014 |
| 2Y. SF36 - PCS | 40.85 (9.77) | 39.33 (9.72) | 41.79 (8.69) | 45.18 (9.44) | 0.0367 | 0.0000 | 0.0181 |
| 5Y. SF36 - PCS | 39.5 (10.55) | 37.92 (10.99) | 40.16 (8.82) | 43.94 (9.34) | 0.1852 | 0.0007 | 0.0615 |
| SF36 - MCS | 41.43 (12.31) | 41 (12.28) | 42.88 (13.82) | 41.77 (11.12) | 0.2699 | 0.5524 | 0.5660 |
| 6M. SF36 - MCS | 46.81 (12.06) | 46.63 (11.91) | 46.45 (13.07) | 47.68 (11.88) | 0.9177 | 0.4584 | 0.5446 |
| 1Y. SF36 - MCS | 46.76 (12.04) | 46.41 (12.16) | 47.23 (12.82) | 47.5 (11.12) | 0.6266 | 0.4183 | 0.8842 |
| 2Y. SF36 - MCS | 46.87 (12.21) | 46.17 (12.27) | 48.46 (12.92) | 47.95 (11.36) | 0.1726 | 0.1988 | 0.7897 |
| 5Y. SF36 - MCS | 46.27 (12.06) | 45.35 (12.4) | 46.4 (12.3) | 49.13 (10.43) | 0.6364 | 0.0508 | 0.2807 |
| 6M. ODI - Score (%) | -13.34 (19.04) | -15.83 (19.27) | -13.35 (15.99) | -4.88 (17.98) | 0.2769 | 0.0000 | 0.0024 |
| 1Y. ODI - Score (%) | -15.31 (16.92) | -17.26 (17.19) | -14.14 (15.85) | -9.9 (15.66) | 0.1499 | 0.0001 | 0.0920 |
| 2Y. ODI - Score (%) | -14.09 (18.9) | -16.1 (19.6) | -13.46 (16.73) | -7.83 (16.71) | 0.2396 | 0.0001 | 0.0315 |
| 5Y. ODI - Score (%) | -11.58 (19) | -12.87 (20.68) | -10.74 (15.75) | -8.41 (15.73) | 0.4516 | 0.0937 | 0.4591 |
| 6M. SRS22 - Function / Activity | 0.25 (0.83) | 0.35 (0.79) | 0.18 (0.76) | -0.04 (0.92) | 0.1277 | 0.0004 | 0.0952 |
| 1Y. SRS22 - Function / Activity | 0.45 (0.78) | 0.52 (0.75) | 0.34 (0.79) | 0.32 (0.83) | 0.0887 | 0.0373 | 0.8645 |
| 2Y. SRS22 - Function / Activity | 0.5 (0.85) | 0.52 (0.85) | 0.55 (0.78) | 0.36 (0.89) | 0.7901 | 0.1197 | 0.1485 |
| 5Y. SRS22 - Function / Activity | 0.39 (0.83) | 0.45 (0.84) | 0.34 (0.74) | 0.23 (0.89) | 0.3593 | 0.0982 | 0.4973 |
| 6M. SRS22 - Pain | 0.87 (1.01) | 0.97 (1) | 0.81 (0.91) | 0.53 (1.05) | 0.1992 | 0.0005 | 0.0809 |
| 1Y. SRS22 - Pain | 1 (0.97) | 1.06 (0.95) | 1 (0.91) | 0.82 (1.03) | 0.6288 | 0.0492 | 0.2444 |
| 2Y. SRS22 - Pain | 0.95 (1.03) | 1.01 (1.04) | 0.97 (0.89) | 0.72 (1.09) | 0.7270 | 0.0219 | 0.1064 |
| 5Y. SRS22 - Pain | 0.83 (1.06) | 0.94 (1.06) | 0.77 (0.89) | 0.53 (1.12) | 0.2724 | 0.0175 | 0.2264 |
| 6M. SRS22 - Self image / Appearance | 1.21 (0.97) | 1.24 (0.99) | 1.09 (0.92) | 1.15 (0.92) | 0.2427 | 0.3806 | 0.7250 |
| 1Y. SRS22 - Self image / Appearance | 1.26 (0.95) | 1.28 (0.94) | 1.18 (0.93) | 1.29 (1.01) | 0.4166 | 0.8947 | 0.4476 |
| 2Y. SRS22 - Self image / Appearance | 1.22 (1) | 1.22 (1.03) | 1.15 (0.88) | 1.29 (1.01) | 0.5255 | 0.5536 | 0.3221 |
| 5Y. SRS22 - Self image / Appearance | 1.03 (0.97) | 1.09 (0.99) | 0.8 (0.86) | 1.02 (1) | 0.0578 | 0.6400 | 0.2534 |
| 6M. SRS22 - Mental health | 0.42 (0.87) | 0.47 (0.89) | 0.31 (0.77) | 0.33 (0.87) | 0.1546 | 0.1862 | 0.8920 |
| 1Y. SRS22 - Mental health | 0.46 (0.89) | 0.49 (0.9) | 0.39 (0.83) | 0.39 (0.91) | 0.3417 | 0.3267 | 0.9899 |
| 2Y. SRS22 - Mental health | 0.43 (0.94) | 0.44 (0.95) | 0.37 (0.74) | 0.41 (1.04) | 0.4855 | 0.8121 | 0.7534 |
| 5Y. SRS22 - Mental health | 0.38 (0.88) | 0.47 (0.82) | 0.16 (0.75) | 0.28 (1.1) | 0.0176 | 0.2525 | 0.5049 |
| 6M. SRS22 - SRS Subtotal score | 0.68 (0.7) | 0.76 (0.69) | 0.59 (0.64) | 0.49 (0.75) | 0.0714 | 0.0033 | 0.3818 |
| 1Y. SRS22 - SRS Subtotal score | 0.79 (0.69) | 0.84 (0.66) | 0.72 (0.72) | 0.7 (0.76) | 0.2195 | 0.1302 | 0.8873 |
| 2Y. SRS22 - SRS Subtotal score | 0.77 (0.75) | 0.8 (0.76) | 0.76 (0.65) | 0.7 (0.82) | 0.6794 | 0.3036 | 0.6004 |
| 5Y. SRS22 - SRS Subtotal score | 0.65 (0.72) | 0.74 (0.71) | 0.51 (0.58) | 0.51 (0.83) | 0.0256 | 0.0712 | 0.9748 |
| 6M. SRS22 - Satisfaction with management | 1.19 (1.29) | 1.26 (1.27) | 1.04 (1.35) | 1.02 (1.27) | 0.3595 | 0.2774 | 0.9560 |
| 1Y. SRS22 - Satisfaction with management | 1.11 (1.39) | 1.23 (1.35) | 1.04 (1.29) | 0.77 (1.57) | 0.4150 | 0.0783 | 0.3850 |
| 2Y. SRS22 - Satisfaction with management | 1.07 (1.37) | 1.11 (1.35) | 0.89 (1.46) | 1.09 (1.37) | 0.3725 | 0.8958 | 0.5218 |
| 5Y. SRS22 - Satisfaction with management | 0.84 (1.37) | 0.93 (1.38) | 0.71 (1.2) | 0.67 (1.53) | 0.4420 | 0.4825 | 0.9185 |
| 6M. SF36 - PCS | 5.26 (9.62) | 6.26 (9.37) | 3.79 (9.68) | 3.01 (10) | 0.0677 | 0.0073 | 0.6316 |
| 1Y. SF36 - PCS | 6.85 (8.85) | 7.23 (8.51) | 6.38 (9.89) | 5.97 (9.1) | 0.5111 | 0.2466 | 0.7882 |
| 2Y. SF36 - PCS | 6.58 (9.56) | 6.8 (9.66) | 7.13 (8.89) | 5.46 (9.73) | 0.7844 | 0.2561 | 0.2629 |
| 5Y. SF36 - PCS | 5.26 (10.26) | 5.6 (10.52) | 4.73 (10.83) | 4.63 (9.02) | 0.6610 | 0.5654 | 0.9661 |
| 6M. SF36 - MCS | 5.36 (12.76) | 5.54 (13.46) | 4.11 (10.28) | 5.64 (12.01) | 0.3470 | 0.9468 | 0.4006 |
| 1Y. SF36 - MCS | 4.92 (12.08) | 5.02 (12.39) | 4.17 (10.61) | 5.2 (12.23) | 0.5646 | 0.8998 | 0.5699 |
| 2Y. SF36 - MCS | 5.36 (13.34) | 5.18 (13.97) | 5.78 (11.02) | 5.63 (12.95) | 0.6991 | 0.7810 | 0.9339 |
| 5Y. SF36 - MCS | 4.54 (12.29) | 4.63 (12.18) | 3.04 (11.63) | 5.61 (13.34) | 0.4628 | 0.6786 | 0.3638 |
| Total Operative Blood Loss st1+st2+st3 | 1440.16 (1125.98) | 1647.72 (1226.65) | 1194.45 (790.58) | 906.76 (689.04) | 0.0001 | 0.0000 | 0.0125 |
| Total surgical time st1+st2+st3 | 332.11 (196.87) | 349.78 (210.01) | 320.49 (176.97) | 280.6 (151.69) | 0.1947 | 0.0002 | 0.1063 |
| Number of Posterior Instrumented Levels | 9.91 (3.75) | 10.13 (3.71) | 8.72 (4.07) | 10.08 (3.47) | 0.0047 | 0.8837 | 0.0172 |
| Surgical Approach-Anterior-Posterior | 25 (0.05) | 22 (6.18%) | 2 (2.44%) | 1 (0.96%) | 0.2855 | 0.0590 | 0.8352 |
| Surgical Approach-Posterior | 484 (0.89) | 307 (86.24%) | 77 (93.9%) | 100 (96.15%) | 0.0774 | 0.0078 | 0.7141 |
| Surgical Approach-Posterior-Anterior | 19 (0.04) | 18 (5.06%) | NA (NA%) | 1 (0.96%) | 0.0771 | 0.1183 | 1.0000 |
| Surgical Approach-Posterior-Anterior-Posterior | 2 (0) | 1 (0.28%) | NA (NA%) | 1 (0.96%) | 1.0000 | 0.9341 | 1.0000 |
| Surgical Approach-Posterior-Posterior | 11 (0.02) | 7 (1.97%) | 3 (3.66%) | 1 (0.96%) | 0.6039 | 0.7948 | 0.4533 |
| Surgical Approach-Poterior-Anterior | 1 (0) | 1 (0.28%) | NA (NA%) | NA (NA%) | 1.0000 | 1.0000 |  |
| Number of Interbody Fusions | 1.87 (1.03) | 1.87 (0.97) | 2.02 (1.29) | 1.53 (1.12) | 0.4579 | 0.2076 | 0.1311 |
| Decompression-No | 382 (0.7) | 239 (66.95%) | 56 (68.29%) | 87 (83.65%) | 0.9174 | 0.0015 | 0.0219 |
| Decompression-Yes | 161 (0.3) | 118 (33.05%) | 26 (31.71%) | 17 (16.35%) | 0.9174 | 0.0015 | 0.0219 |
| Interbody Fusion-No | 230 (0.42) | 108 (30.25%) | 37 (45.12%) | 85 (81.73%) | 0.0142 | 0.0000 | 0.0000 |
| Interbody Fusion-Yes | 313 (0.58) | 249 (69.75%) | 45 (54.88%) | 19 (18.27%) | 0.0142 | 0.0000 | 0.0000 |
| Osteotomy-No | 232 (0.43) | 122 (34.17%) | 51 (62.2%) | 59 (56.73%) | 0.0000 | 0.0001 | 0.5469 |
| Osteotomy-Yes | 311 (0.57) | 235 (65.83%) | 31 (37.8%) | 45 (43.27%) | 0.0000 | 0.0001 | 0.5469 |
| 3CO-No | 203 (0.37) | 143 (40.06%) | 25 (30.49%) | 35 (33.65%) | 0.1385 | 0.2866 | 0.7637 |
| 3CO-Yes | 340 (0.63) | 214 (59.94%) | 57 (69.51%) | 69 (66.35%) | 0.1385 | 0.2866 | 0.7637 |

# Before 2Y

## Reinterventions

| group | reiqs | patients | total |
| --- | --- | --- | --- |
| Iliac | 165 | 95 | 357 |
| L4 | 12 | 10 | 104 |
| L5 | 34 | 22 | 82 |
| all | 211 | 127 | 543 |

| p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- |
| 0.3087 | 0.5875 | 0.0025 | 1 | 0.0005 | 0.0038 |

## Impacts

| Complication Impact | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 543 | 357 | 82 | 104 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |  |
| Adverse Event | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 543 | 357 | 82 | 104 | 0.9293 | 1.0000 | 1.0000 | 0.8182 | 0.9341 | 1.0000 |
| Major Complication | 255 | 146 | 198 | 110 | 42 | 25 | 15 | 11 | 543 | 357 | 82 | 104 | 0.2297 | 0.5832 | 0.0006 | 1.0000 | 0.0001 | 0.0013 |
| Minor Complication | 252 | 167 | 202 | 132 | 36 | 24 | 14 | 11 | 543 | 357 | 82 | 104 | 0.0621 | 0.8856 | 0.0000 | 0.2353 | 0.0000 | 0.0023 |

## Categories

| Category of the complication | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Central neurologic complications | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 543 | 357 | 82 | 104 | 1.0000 | 0.8553 | 1.0000 | 0.8182 | 1.0000 | 0.9049 |
| Infectious complications | 40 | 32 | 27 | 22 | 10 | 7 | 3 | 3 | 543 | 357 | 82 | 104 | 0.9817 | 0.4981 | 0.3144 | 0.5933 | 0.2924 | 0.1709 |
| Mechanical complications | 245 | 167 | 204 | 134 | 29 | 22 | 12 | 11 | 543 | 357 | 82 | 104 | 0.0417 | 0.5535 | 0.0000 | 0.0894 | 0.0000 | 0.0072 |
| Other complications | 156 | 97 | 115 | 70 | 28 | 17 | 13 | 10 | 543 | 357 | 82 | 104 | 0.5681 | 0.6359 | 0.0536 | 0.9389 | 0.0264 | 0.0540 |
| Peripheral neurologic complications | 68 | 53 | 55 | 41 | 11 | 10 | 2 | 2 | 543 | 357 | 82 | 104 | 0.4741 | 0.6271 | 0.0150 | 1.0000 | 0.0058 | 0.0114 |

## Categories Major Complications

| Category of the complication | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Infectious complications | 34 | 28 | 23 | 20 | 8 | 5 | 3 | 3 | 543 | 357 | 82 | 104 | 0.8891 | 0.9281 | 0.4574 | 1.0000 | 0.3874 | 0.4787 |
| Mechanical complications | 144 | 98 | 116 | 75 | 21 | 17 | 7 | 6 | 543 | 357 | 82 | 104 | 0.3095 | 0.6659 | 0.0029 | 1.0000 | 0.0006 | 0.0043 |
| Other complications | 54 | 41 | 46 | 34 | 5 | 4 | 3 | 3 | 543 | 357 | 82 | 104 | 0.3552 | 0.5199 | 0.1288 | 0.2579 | 0.0468 | 0.7480 |
| Peripheral neurologic complications | 23 | 20 | 13 | 11 | 8 | 7 | 2 | 2 | 543 | 357 | 82 | 104 | 0.7660 | 0.0848 | 0.5405 | 0.0526 | 0.7708 | 0.0814 |

## Time to surgery

| treatment | mean | sd |
| --- | --- | --- |
| Iliac | 137.03571 | 198.8802 |
| L5 | 86.55263 | 170.7292 |
| L4 | 145.81818 | 265.1610 |

Iliac.L5 Iliac.L4 L5.L4   
0.1102327 0.8815109 0.3536985

# From 2Y - 5Y

## Reinterventions

| group | reiqs | patients | total |
| --- | --- | --- | --- |
| Iliac | 37 | 28 | 186 |
| L4 | 3 | 3 | 59 |
| L5 | 9 | 6 | 50 |
| all | 49 | 37 | 295 |

p\_val\_all\_Iliac p\_val\_all\_L5 p\_val\_all\_L4 p\_val\_Iliac\_L5 p\_val\_Iliac\_L4  
1: 0.5172 1 0.1537 0.7497 0.0747  
 p\_val\_L5\_L4  
1: 0.3381

## Impacts

| Complication Impact | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Adverse Event | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 295 | 186 | 50 | 59 | 1.0000 | 0.9144 | 1.0000 | 0.8946 | 1.0000 | 0.9337 |
| Major Complication | 54 | 40 | 41 | 31 | 9 | 5 | 4 | 4 | 295 | 186 | 50 | 59 | 0.4216 | 0.6427 | 0.2207 | 0.3460 | 0.0934 | 0.7953 |
| Minor Complication | 38 | 34 | 35 | 31 | 2 | 2 | 1 | 1 | 295 | 186 | 50 | 59 | 0.1418 | 0.1740 | 0.0384 | 0.0391 | 0.0059 | 0.8843 |

## Categories

| Category of the complication | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Infectious complications | 3 | 2 | 0 | 0 | 2 | 1 | 1 | 1 | 295 | 186 | 50 | 59 | 0.6908 | 0.9144 | 1.0000 | 0.4798 | 0.5436 | 1.0000 |
| Mechanical complications | 85 | 64 | 71 | 53 | 10 | 8 | 4 | 3 | 295 | 186 | 50 | 59 | 0.1133 | 0.4665 | 0.0053 | 0.1075 | 0.0004 | 0.1173 |
| Other complications | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 295 | 186 | 50 | 59 | 0.8794 | 1.0000 | 1.0000 | 0.8471 | 0.7625 |  |
| Peripheral neurologic complications | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 295 | 186 | 50 | 59 | 0.8794 | 1.0000 | 1.0000 | 0.8471 | 0.7625 |  |

## Categories Major Complications

| Category of the complication | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Infectious complications | 3 | 2 | 0 | 0 | 2 | 1 | 1 | 1 | 295 | 186 | 50 | 59 | 0.6908 | 0.9144 | 1.0000 | 0.4798 | 0.5436 | 1.0000 |
| Mechanical complications | 48 | 36 | 38 | 28 | 7 | 5 | 3 | 3 | 295 | 186 | 50 | 59 | 0.4481 | 0.8345 | 0.1718 | 0.4933 | 0.0747 | 0.5405 |
| Other complications | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 295 | 186 | 50 | 59 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |  |
| Peripheral neurologic complications | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 295 | 186 | 50 | 59 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |  |

## Time to surgery

| treatment | mean | sd |
| --- | --- | --- |
| Iliac | 1,249.328 | 348.2347 |
| L5 | 1,210.250 | 379.2861 |
| L4 | 1,209.250 | 442.7523 |

Iliac.L5 Iliac.L4 L5.L4   
0.7891220 0.8697242 0.9970585

# Before 5Y

## Reinterventions

| group | reiqs | patients | total |
| --- | --- | --- | --- |
| Iliac | 134 | 70 | 186 |
| L4 | 7 | 7 | 59 |
| L5 | 28 | 14 | 50 |
| all | 169 | 91 | 295 |

p\_val\_all\_Iliac p\_val\_all\_L5 p\_val\_all\_L4 p\_val\_Iliac\_L5 p\_val\_Iliac\_L4  
1: 0.1507 0.8115 0.0049 0.2727 4e-04  
 p\_val\_L5\_L4  
1: 0.0595

## Impacts

| Complication Impact | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 295 | 186 | 50 | 59 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |  |
| Adverse Event | 4 | 4 | 2 | 2 | 2 | 2 | 0 | 0 | 295 | 186 | 50 | 59 | 1.0000 | 0.4608 | 0.8221 | 0.4206 | 1.0000 | 0.4041 |
| Major Complication | 195 | 100 | 155 | 77 | 32 | 15 | 8 | 8 | 295 | 186 | 50 | 59 | 0.1179 | 0.7051 | 0.0033 | 0.1923 | 0.0002 | 0.0628 |
| Minor Complication | 180 | 110 | 151 | 87 | 20 | 15 | 9 | 8 | 295 | 186 | 50 | 59 | 0.0494 | 0.4052 | 0.0007 | 0.0494 | 0.0000 | 0.0628 |

## Categories

| Category of the complication | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Infectious complications | 24 | 17 | 15 | 11 | 8 | 5 | 1 | 1 | 295 | 186 | 50 | 59 | 1.0000 | 0.4117 | 0.3302 | 0.4818 | 0.3360 | 0.1408 |
| Mechanical complications | 231 | 131 | 192 | 105 | 29 | 17 | 10 | 9 | 295 | 186 | 50 | 59 | 0.0131 | 0.2223 | 0.0001 | 0.0078 | 0.0000 | 0.0391 |
| Other complications | 83 | 54 | 66 | 40 | 12 | 10 | 5 | 4 | 295 | 186 | 50 | 59 | 0.4569 | 0.9296 | 0.0465 | 0.9710 | 0.0176 | 0.0770 |
| Peripheral neurologic complications | 42 | 32 | 36 | 27 | 5 | 4 | 1 | 1 | 295 | 186 | 50 | 59 | 0.2929 | 0.7197 | 0.0498 | 0.3295 | 0.0138 | 0.2677 |

## Categories Major Complications

| Category of the complication | all\_num | all\_patients | Iliac\_num | Iliac\_patients | L5\_num | L5\_patients | L4\_num | L4\_patients | all | Iliac | L5 | L4 | p\_val\_all\_Iliac | p\_val\_all\_L5 | p\_val\_all\_L4 | p\_val\_Iliac\_L5 | p\_val\_Iliac\_L4 | p\_val\_L5\_L4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Infectious complications | 21 | 16 | 13 | 11 | 7 | 4 | 1 | 1 | 295 | 186 | 50 | 59 | 0.9808 | 0.6939 | 0.3738 | 0.8335 | 0.3360 | 0.2677 |
| Mechanical complications | 133 | 78 | 108 | 60 | 20 | 13 | 5 | 5 | 295 | 186 | 50 | 59 | 0.2040 | 1.0000 | 0.0050 | 0.4980 | 0.0006 | 0.0280 |
| Other complications | 27 | 21 | 25 | 19 | 1 | 1 | 1 | 1 | 295 | 186 | 50 | 59 | 0.3039 | 0.2906 | 0.2006 | 0.1174 | 0.0703 | 1.0000 |
| Peripheral neurologic complications | 14 | 13 | 9 | 9 | 4 | 3 | 1 | 1 | 295 | 186 | 50 | 59 | 1.0000 | 0.8952 | 0.5420 | 1.0000 | 0.4928 | 0.4965 |

## Time to surgery

| treatment | mean | sd |
| --- | --- | --- |
| Iliac | 317.2891 | 476.4491 |
| L5 | 176.7826 | 387.9954 |
| L4 | 500.8571 | 583.6854 |

Iliac.L5 Iliac.L4 L5.L4   
0.13240301 0.27380253 0.07996557