

LIV Iliac/L5

Initial Patients: 372

With Posterior Instrumented Fusion & Number of Posterior Instrumented Levels > 3: 303

	type	N
1:	Iliac	126
2:	L5	34

Patients who end up instrumented until pelvis

```
revision <- read_excel(xls_path, sheet="Revision surgeries") %>%
  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	8
2:	Iliac	8

UIV frequencies

	uiv	N
1:	L1	14
2:	L2	7
3:	L3	3
4:	T10	44
5:	T11	12
6:	T12	17
7:	T2	13
8:	T3	11
9:	T4	11
10:	T5	3
11:	T7	2
12:	T8	8
13:	T9	15

P-value ASA 1 Iliac vs L5

	treatment	asa_1	N
1:	Iliac	23	126
2:	L5	8	34

[1] 0.6554655

P-value Prior Spine Surgery Yes Iliac vs L5

	treatment	prior_yes	N
1:	Iliac	51	126
2:	L5	10	34

[1] 0.327172

Demographics

Age - mean

All

[1] 61.49

Iliac

[1] 63.85

L5

[1] 52.76

Iliac vs L5 p-value:[1] 0.0005895542

Age - sd

All

[1] 12.75

Iliac

[1] 10.44

L5

[1] 16.46

Gender - table

All

variable

Female	Male
137	23

Iliac

variable

Female	Male
108	18

L5

variable

Female	Male
29	5

Gender - proportion

```

All
variable
  Female    Male
0.85625 0.14375
Iliac
variable
  Female    Male
0.8571429 0.1428571
L5
variable
  Female    Male
0.8529412 0.1470588

```

Prior Spine Surgery - table

```

All
variable
  No Yes
  99  61
Iliac
variable
  No Yes
  75  51
L5
variable
  No Yes
  24  10

```

Prior Spine Surgery - proportion

```

All
variable
  No    Yes
0.61875 0.38125
Iliac
variable
  No    Yes
0.5952381 0.4047619
L5
variable
  No    Yes
0.7058824 0.2941176

```

Height (cm)_First Visit - mean

```

All
[1] 160.83
Iliac
[1] 160.79
L5
[1] 160.97

```

Iliac vs L5 p-value:[1] 0.9191389

```
Height (cm)_First Visit - sd
All
[1] 8.95
Iliac
[1] 8.95
L5
[1] 9.08
```

```
Weight (kgs)_First Visit - mean
All
[1] 66.43
Iliac
[1] 66.56
L5
[1] 65.94
```

```
Iliac vs L5 p-value:[1] 0.7887049
```

```
Weight (kgs)_First Visit - sd
All
[1] 11.9
Iliac
[1] 11.96
L5
[1] 11.86
```

```
BMI_First Visit - mean
All
[1] 25.71
Iliac
[1] 25.74
L5
[1] 25.6
```

```
Iliac vs L5 p-value:[1] 0.8811003
```

```
BMI_First Visit - sd
All
[1] 4.25
Iliac
[1] 4.04
L5
[1] 5.02
```

ASA classification - table

All

variable

1	2	3
---	---	---

31	110	19
----	-----	----

Iliac

variable

1	2	3
---	---	---

23	87	16
----	----	----

L5

variable

1	2	3
---	---	---

8	23	3
---	----	---

ASA classification - proportion

All

variable

1	2	3
---	---	---

0.19375	0.68750	0.11875
---------	---------	---------

Iliac

variable

1	2	3
---	---	---

0.1825397	0.6904762	0.1269841
-----------	-----------	-----------

L5

variable

1	2	3
---	---	---

0.23529412	0.67647059	0.08823529
------------	------------	------------

Tobacco use_First Visit - table

All

variable

Current	Ex	Non-User
---------	----	----------

29	32	99
----	----	----

Iliac

variable

Current	Ex	Non-User
---------	----	----------

23	27	76
----	----	----

L5

variable

Current	Ex	Non-User
---------	----	----------

6	5	23
---	---	----

Tobacco use_First Visit - proportion

All

variable

Current	Ex	Non-User
---------	----	----------

0.18125	0.20000	0.61875
---------	---------	---------

Iliac

variable

Current	Ex	Non-User
---------	----	----------

0.1825397	0.2142857	0.6031746
-----------	-----------	-----------

L5

```

variable
  Current      Ex  Non-User
0.1764706 0.1470588 0.6764706

```

ESSG Diagnosis - table

All

```

variable
  Congenital      Degenerative      Failed-back
      5              72              15
  Idiopathic      Neuromuscular Other: spondylolisthesis
      57              2              1
  Post-traumatic  Scheuermann      Syndromic
      5              1              2

```

Iliac

```

variable
  Congenital      Degenerative      Failed-back
      3              63              11
  Idiopathic      Neuromuscular Other: spondylolisthesis
      40              2              1
  Post-traumatic  Scheuermann      Syndromic
      4              1              1

```

L5

```

variable
  Congenital  Degenerative  Failed-back  Idiopathic  Post-traumatic
      2          9          4          17          1
  Syndromic
      1

```

ESSG Diagnosis - proportion

All

```

variable
  Congenital      Degenerative      Failed-back
  0.03125      0.45000      0.09375
  Idiopathic      Neuromuscular Other: spondylolisthesis
  0.35625      0.01250      0.00625
  Post-traumatic  Scheuermann      Syndromic
  0.03125      0.00625      0.01250

```

Iliac

```

variable
  Congenital      Degenerative      Failed-back
  0.023809524      0.500000000      0.087301587
  Idiopathic      Neuromuscular Other: spondylolisthesis
  0.317460317      0.015873016      0.007936508
  Post-traumatic  Scheuermann      Syndromic
  0.031746032      0.007936508      0.007936508

```

L5

```

variable
  Congenital  Degenerative  Failed-back  Idiopathic  Post-traumatic
  0.05882353  0.26470588  0.11764706  0.50000000  0.02941176
  Syndromic
  0.02941176

```

Surgical Approach - table

All

variable

Anterior-Posterior	Posterior	Posterior-Anterior	Posterior-Posterior
3	146	10	1

Iliac

variable

Anterior-Posterior	Posterior	Posterior-Anterior
2	114	10

L5

variable

Anterior-Posterior	Posterior	Posterior-Posterior
1	32	1

Surgical Approach - proportion

All

variable

Anterior-Posterior	Posterior	Posterior-Anterior	Posterior-Posterior
0.01875	0.91250	0.06250	0.00625

Iliac

variable

Anterior-Posterior	Posterior	Posterior-Anterior
0.01587302	0.90476190	0.07936508

L5

variable

Anterior-Posterior	Posterior	Posterior-Posterior
0.02941176	0.94117647	0.02941176

Radiology

Static Major curve Cobb angle - mean

All

[1] 40.52

Iliac

[1] 38.58

L5

[1] 47.5

Iliac vs L5 p-value:[1] 0.06704993

Static Major curve Cobb angle - sd

All

[1] 22.16

Iliac

[1] 21.02

L5

[1] 24.96

6W. Static Major curve Cobb angle - mean

All

[1] 22.2

Iliac

[1] 21.29

L5

[1] 25.39

Iliac vs L5 p-value:[1] 0.2533919

6W. Static Major curve Cobb angle - sd

All

[1] 16.06

Iliac

[1] 15.34

L5

[1] 18.28

6M. Static Major curve Cobb angle - mean

All

[1] 21.31

Iliac

[1] 19.77

L5

[1] 27.07

Iliac vs L5 p-value:[1] 0.05985857

6M. Static Major curve Cobb angle - sd

All

[1] 16.4

Iliac

[1] 15.48

L5

[1] 18.64

1Y. Static Major curve Cobb angle - mean

All

[1] 19.54

Iliac

[1] 18.23

L5

[1] 24.17

Iliac vs L5 p-value:[1] 0.09834416

1Y. Static Major curve Cobb angle - sd

All
[1] 15.74
Iliac
[1] 14.77
L5
[1] 18.27

2Y. Static Major curve Cobb angle - mean

All
[1] 19.55
Iliac
[1] 17.72
L5
[1] 26.65

Iliac vs L5 p-value:[1] 0.03652715

2Y. Static Major curve Cobb angle - sd

All
[1] 15.29
Iliac
[1] 13.1
L5
[1] 20.62

5Y. Static Major curve Cobb angle - mean

All
[1] 23.76
Iliac
[1] 21.16
L5
[1] 31.54

Iliac vs L5 p-value:[1] 0.04869079

5Y. Static Major curve Cobb angle - sd

All
[1] 17.29
Iliac
[1] 15.03
L5
[1] 21.34

Static Major curve Cobb angle tests all

Preop vs 6w p-value
1.10407e-14

Preop vs 2y p-value
1.881841e-18

Preop vs 5y p-value
8.439739e-10

6w vs 2y p-value
0.1569355

2y vs 5y p-value
0.0684728

6w vs 5y p-value
0.5025892

Static Major curve Cobb angle tests Iliac
Preop vs 6w p-value
1.177913e-11

Preop vs 2y p-value
1.128848e-16

Preop vs 5y p-value
1.206883e-09

6w vs 2y p-value
0.06411268

2y vs 5y p-value
0.1328609

6w vs 5y p-value
0.9565327

Static Major curve Cobb angle tests L5
Preop vs 6w p-value
0.0001362708

Preop vs 2y p-value
0.0007119751

Preop vs 5y p-value
0.01570896

6w vs 2y p-value
0.8045245

2y vs 5y p-value
0.4249248

6w vs 5y p-value
0.2846254

Coronal Balance (C7PL to CSVL) - mean

All

[1] 27.21

Iliac

[1] 28.98

L5

[1] 19.68

Iliac vs L5 p-value:[1] 0.009666012

Coronal Balance (C7PL to CSVL) - sd

All

[1] 23.08

Iliac

[1] 24.36

L5

[1] 14.64

6W. Coronal Balance (C7PL to CSVL) - mean

All

[1] 21.76

Iliac

[1] 21.56

L5

[1] 22.52

Iliac vs L5 p-value:[1] 0.7923195

6W. Coronal Balance (C7PL to CSVL) - sd

All

[1] 15.99

Iliac

[1] 15.4

L5

[1] 18.35

6M. Coronal Balance (C7PL to CSVL) - mean

All

[1] 22.65

Iliac

[1] 23

L5

[1] 21.25

Iliac vs L5 p-value:[1] 0.6444913

6M. Coronal Balance (C7PL to CSVL) - sd

All
[1] 17.11
Iliac
[1] 17.05
L5
[1] 17.62

1Y. Coronal Balance (C7PL to CSVL) - mean

All
[1] 21.23
Iliac
[1] 21.45
L5
[1] 20.26

Iliac vs L5 p-value:[1] 0.7028053

1Y. Coronal Balance (C7PL to CSVL) - sd

All
[1] 15.64
Iliac
[1] 16.16
L5
[1] 13.41

2Y. Coronal Balance (C7PL to CSVL) - mean

All
[1] 21.01
Iliac
[1] 21.82
L5
[1] 17.36

Iliac vs L5 p-value:[1] 0.1815875

2Y. Coronal Balance (C7PL to CSVL) - sd

All
[1] 17.25
Iliac
[1] 17.89
L5
[1] 13.73

5Y. Coronal Balance (C7PL to CSVL) - mean

All
[1] 24.13

Iliac
[1] 26.45
L5
[1] 16.3

Iliac vs L5 p-value:[1] 0.006584562

5Y. Coronal Balance (C7PL to CSVL) - sd
All
[1] 19.07
Iliac
[1] 20.35
L5
[1] 11.1

Coronal Balance (C7PL to CSVL) tests all
Preop vs 6w p-value
0.01822923

Preop vs 2y p-value
0.01029995

Preop vs 5y p-value
0.2739653

6w vs 2y p-value
0.7098763

2y vs 5y p-value
0.2277655

6w vs 5y p-value
0.3401944

Coronal Balance (C7PL to CSVL) tests Iliac
Preop vs 6w p-value
0.005117672

Preop vs 2y p-value
0.01094646

Preop vs 5y p-value
0.4528774

6w vs 2y p-value
0.9057901

2y vs 5y p-value
0.1341839

6w vs 5y p-value

0.09665001

Coronal Balance (C7PL to CSVL) tests L5

Preop vs 6w p-value

0.5132223

Preop vs 2y p-value

0.5535141

Preop vs 5y p-value

0.367828

6w vs 2y p-value

0.2421187

2y vs 5y p-value

0.7811212

6w vs 5y p-value

0.1455544

Sagittal Balance - mean

All

[1] 69.41

Iliac

[1] 81.37

L5

[1] 25.54

Iliac vs L5 p-value:[1] 4.743878e-08

Sagittal Balance - sd

All

[1] 62.8

Iliac

[1] 62.39

L5

[1] 41.6

6W. Sagittal Balance - mean

All

[1] 27.35

Iliac

[1] 25.95

L5

[1] 32.42

Iliac vs L5 p-value:[1] 0.4142346

6W. Sagittal Balance - sd

```
All
[1] 35.87
Iliac
[1] 34.53
L5
[1] 40.54
```

6M. Sagittal Balance - mean

```
All
[1] 22.97
Iliac
[1] 22.97
L5
[1] 22.95
```

Iliac vs L5 p-value:[1] 0.9980297

6M. Sagittal Balance - sd

```
All
[1] 41.33
Iliac
[1] 41.95
L5
[1] 39.41
```

1Y. Sagittal Balance - mean

```
All
[1] 29.75
Iliac
[1] 32.12
L5
[1] 19.22
```

Iliac vs L5 p-value:[1] 0.1518474

1Y. Sagittal Balance - sd

```
All
[1] 46.85
Iliac
[1] 48.5
L5
[1] 37.75
```

2Y. Sagittal Balance - mean

```
All
[1] 38.58
```

Iliac
[1] 41.24
L5
[1] 26.71

Iliac vs L5 p-value:[1] 0.1036966

2Y. Sagittal Balance - sd
All
[1] 44.98
Iliac
[1] 46.37
L5
[1] 36.72

5Y. Sagittal Balance - mean
All
[1] 47.03
Iliac
[1] 49.41
L5
[1] 39.27

Iliac vs L5 p-value:[1] 0.3797154

5Y. Sagittal Balance - sd
All
[1] 50.63
Iliac
[1] 53.15
L5
[1] 41.67

Sagittal Balance tests all
Preop vs 6w p-value
8.210359e-12

Preop vs 2y p-value
2.468614e-06

Preop vs 5y p-value
0.00305995

6w vs 2y p-value
0.02311432

2y vs 5y p-value
0.2127065

6w vs 5y p-value
0.001971564

Sagittal Balance tests Iliac
Preop vs 6w p-value
5.444088e-15

Preop vs 2y p-value
8.154048e-08

Preop vs 5y p-value
0.0003305466

6w vs 2y p-value
0.006063488

2y vs 5y p-value
0.30736

6w vs 5y p-value
0.001864215

Sagittal Balance tests L5
Preop vs 6w p-value
0.5023342

Preop vs 2y p-value
0.9115651

Preop vs 5y p-value
0.2516142

6w vs 2y p-value
0.5841649

2y vs 5y p-value
0.2999919

6w vs 5y p-value
0.563184

Sagittal T2-T5 - mean
All
[1] 9.82
Iliac
[1] 9.93
L5
[1] 9.4

Iliac vs L5 p-value:[1] 0.7144042

Sagittal T2-T5 - sd

```
All
[1] 8.14
Iliac
[1] 8.42
L5
[1] 7.15
```

6W. Sagittal T2-T5 - mean

```
All
[1] 13.24
Iliac
[1] 13.54
L5
[1] 12.11
```

Iliac vs L5 p-value:[1] 0.2614102

6W. Sagittal T2-T5 - sd

```
All
[1] 8.12
Iliac
[1] 8.71
L5
[1] 5.38
```

6M. Sagittal T2-T5 - mean

```
All
[1] 13.01
Iliac
[1] 12.83
L5
[1] 13.74
```

Iliac vs L5 p-value:[1] 0.7297938

6M. Sagittal T2-T5 - sd

```
All
[1] 10.05
Iliac
[1] 9.35
L5
[1] 12.72
```

1Y. Sagittal T2-T5 - mean

```
All
[1] 12.84
```

Iliac
[1] 13.11
L5
[1] 11.7

Iliac vs L5 p-value:[1] 0.3951879

1Y. Sagittal T2-T5 - sd
All
[1] 9.66
Iliac
[1] 10.22
L5
[1] 6.94

2Y. Sagittal T2-T5 - mean
All
[1] 13.25
Iliac
[1] 13.55
L5
[1] 12.02

Iliac vs L5 p-value:[1] 0.4392896

2Y. Sagittal T2-T5 - sd
All
[1] 9.87
Iliac
[1] 10.17
L5
[1] 8.59

5Y. Sagittal T2-T5 - mean
All
[1] 14.52
Iliac
[1] 16.46
L5
[1] 8.24

Iliac vs L5 p-value:[1] 0.0001424304

5Y. Sagittal T2-T5 - sd
All
[1] 12.14
Iliac

[1] 12.95
L5
[1] 5.68

Sagittal T2-T5 tests all
Preop vs 6w p-value
0.0003504914

Preop vs 2y p-value
0.001704635

Preop vs 5y p-value
0.001774816

6w vs 2y p-value
0.9907056

2y vs 5y p-value
0.4184257

6w vs 5y p-value
0.3859573

Sagittal T2-T5 tests Iliac
Preop vs 6w p-value
0.001541846

Preop vs 2y p-value
0.004339345

Preop vs 5y p-value
0.0004189325

6w vs 2y p-value
0.9972502

2y vs 5y p-value
0.1249882

6w vs 5y p-value
0.1087937

Sagittal T2-T5 tests L5
Preop vs 6w p-value
0.09006447

Preop vs 2y p-value
0.2154923

Preop vs 5y p-value
0.5175328

6w vs 2y p-value
0.9644352

2y vs 5y p-value
0.0795419

6w vs 5y p-value
0.01987491

Sagittal T5-T12 - mean

All

[1] 29.41

Iliac

[1] 28.82

L5

[1] 31.58

Iliac vs L5 p-value:[1] 0.4545192

Sagittal T5-T12 - sd

All

[1] 17.87

Iliac

[1] 17.63

L5

[1] 18.87

6W. Sagittal T5-T12 - mean

All

[1] 34.33

Iliac

[1] 34.77

L5

[1] 32.67

Iliac vs L5 p-value:[1] 0.4362153

6W. Sagittal T5-T12 - sd

All

[1] 13.55

Iliac

[1] 13.63

L5

[1] 13.34

6M. Sagittal T5-T12 - mean

All

[1] 36.49

```
Iliac
[1] 37.97
L5
[1] 30.72

Iliac vs L5 p-value:[1] 0.02824871
```

```
6M. Sagittal T5-T12 - sd
All
[1] 14.23
Iliac
[1] 13.51
L5
[1] 15.7
```

```
1Y. Sagittal T5-T12 - mean
All
[1] 37.33
Iliac
[1] 38.14
L5
[1] 33.96

Iliac vs L5 p-value:[1] 0.1906385
```

```
1Y. Sagittal T5-T12 - sd
All
[1] 13.79
Iliac
[1] 13.45
L5
[1] 14.92
```

```
2Y. Sagittal T5-T12 - mean
All
[1] 38.25
Iliac
[1] 39.27
L5
[1] 33.99

Iliac vs L5 p-value:[1] 0.1607556
```

```
2Y. Sagittal T5-T12 - sd
All
[1] 14.62
Iliac
```

```
[1] 13.73
L5
[1] 17.51
```

```
5Y. Sagittal T5-T12 - mean
All
[1] 42.33
Iliac
[1] 43.28
L5
[1] 39.4
```

```
Iliac vs L5 p-value:[1] 0.3762851
```

```
5Y. Sagittal T5-T12 - sd
All
[1] 16.48
Iliac
[1] 16.14
L5
[1] 17.57
```

```
Sagittal T5-T12 tests all
Preop vs 6w p-value
0.006808117
```

```
Preop vs 2y p-value
5.46704e-06
```

```
Preop vs 5y p-value
5.416576e-08
```

```
6w vs 2y p-value
0.01981988
```

```
2y vs 5y p-value
0.06272202
```

```
6w vs 5y p-value
0.0001857532
```

```
Sagittal T5-T12 tests Iliac
Preop vs 6w p-value
0.003583164
```

```
Preop vs 2y p-value
8.887751e-07
```

```
Preop vs 5y p-value
```

8.311907e-08

6w vs 2y p-value
0.0137492

2y vs 5y p-value
0.09730154

6w vs 5y p-value
0.0004511153

Sagittal T5-T12 tests L5
Preop vs 6w p-value
0.7872799

Preop vs 2y p-value
0.6129376

Preop vs 5y p-value
0.1283155

6w vs 2y p-value
0.7525136

2y vs 5y p-value
0.2994939

6w vs 5y p-value
0.1441143

Sagittal T2-T12 - mean
All
[1] 35.52
Iliac
[1] 34.99
L5
[1] 37.55

Iliac vs L5 p-value:[1] 0.480225

Sagittal T2-T12 - sd
All
[1] 18.1
Iliac
[1] 18.04
L5
[1] 18.48

6W. Sagittal T2-T12 - mean
All
[1] 43.89

Iliac
[1] 44.51
L5
[1] 41.52

Iliac vs L5 p-value:[1] 0.3051821

6W. Sagittal T2-T12 - sd
All
[1] 14.02
Iliac
[1] 13.91
L5
[1] 14.43

6M. Sagittal T2-T12 - mean
All
[1] 46.3
Iliac
[1] 48.41
L5
[1] 38.14

Iliac vs L5 p-value:[1] 0.001190368

6M. Sagittal T2-T12 - sd
All
[1] 15.14
Iliac
[1] 14.73
L5
[1] 14.12

1Y. Sagittal T2-T12 - mean
All
[1] 46.44
Iliac
[1] 47.98
L5
[1] 40.34

Iliac vs L5 p-value:[1] 0.02144285

1Y. Sagittal T2-T12 - sd
All
[1] 15.19
Iliac

```
[1] 14.87
L5
[1] 15.17
```

```
2Y. Sagittal T2-T12 - mean
All
[1] 46.52
Iliac
[1] 47.89
L5
[1] 40.99
```

```
Iliac vs L5 p-value:[1] 0.02975135
```

```
2Y. Sagittal T2-T12 - sd
All
[1] 15.37
Iliac
[1] 15.45
L5
[1] 13.96
```

```
5Y. Sagittal T2-T12 - mean
All
[1] 50.82
Iliac
[1] 53.51
L5
[1] 42.09
```

```
Iliac vs L5 p-value:[1] 0.01001969
```

```
5Y. Sagittal T2-T12 - sd
All
[1] 17.27
Iliac
[1] 16.81
L5
[1] 16.19
```

```
Sagittal T2-T12 tests all
Preop vs 6w p-value
8.506611e-06
```

```
Preop vs 2y p-value
4.405882e-08
```

Preop vs 5y p-value
9.181523e-10

6w vs 2y p-value
0.1336937

2y vs 5y p-value
0.06199647

6w vs 5y p-value
0.00194469

Sagittal T2-T12 tests Iliac
Preop vs 6w p-value
6.545551e-06

Preop vs 2y p-value
1.429544e-08

Preop vs 5y p-value
9.227116e-11

6w vs 2y p-value
0.08607885

2y vs 5y p-value
0.02964376

6w vs 5y p-value
0.0003616172

Sagittal T2-T12 tests L5
Preop vs 6w p-value
0.3405285

Preop vs 2y p-value
0.4141073

Preop vs 5y p-value
0.3537722

6w vs 2y p-value
0.8894136

2y vs 5y p-value
0.8100149

6w vs 5y p-value
0.8987984

Lordosis (top of L1-S1) - mean
All
[1] -34.48

Iliac
[1] -32.45
L5
[1] -41.92

Iliac vs L5 p-value:[1] 0.007729982

Lordosis (top of L1-S1) - sd
All
[1] 17.99
Iliac
[1] 17.61
L5
[1] 17.67

6W. Lordosis (top of L1-S1) - mean
All
[1] -51.37
Iliac
[1] -52.99
L5
[1] -45.47

Iliac vs L5 p-value:[1] 0.00282278

6W. Lordosis (top of L1-S1) - sd
All
[1] 13.73
Iliac
[1] 13.82
L5
[1] 11.81

6M. Lordosis (top of L1-S1) - mean
All
[1] -50.73
Iliac
[1] -52.06
L5
[1] -45.87

Iliac vs L5 p-value:[1] 0.01756719

6M. Lordosis (top of L1-S1) - sd
All
[1] 12.81
Iliac

```
[1] 12.66
L5
[1] 12.35
```

```
1Y. Lordosis (top of L1-S1) - mean
All
[1] -49.89
Iliac
[1] -50.37
L5
[1] -48.24
```

```
Iliac vs L5 p-value:[1] 0.397781
```

```
1Y. Lordosis (top of L1-S1) - sd
All
[1] 12.82
Iliac
[1] 12.97
L5
[1] 12.33
```

```
2Y. Lordosis (top of L1-S1) - mean
All
[1] -49.63
Iliac
[1] -50.09
L5
[1] -47.88
```

```
Iliac vs L5 p-value:[1] 0.4122243
```

```
2Y. Lordosis (top of L1-S1) - sd
All
[1] 13.18
Iliac
[1] 13.33
L5
[1] 12.64
```

```
5Y. Lordosis (top of L1-S1) - mean
All
[1] -49.73
Iliac
[1] -50.99
L5
```

[1] -45.81

Iliac vs L5 p-value:[1] 0.1642067

5Y. Lordosis (top of L1-S1) - sd

All

[1] 13.82

Iliac

[1] 13.34

L5

[1] 14.85

Lordosis (top of L1-S1) tests all

Preop vs 6w p-value

2.432691e-18

Preop vs 2y p-value

2.763565e-15

Preop vs 5y p-value

3.171295e-12

6w vs 2y p-value

0.2707843

2y vs 5y p-value

0.9570182

6w vs 5y p-value

0.3793285

Lordosis (top of L1-S1) tests Iliac

Preop vs 6w p-value

2.293461e-20

Preop vs 2y p-value

6.177171e-16

Preop vs 5y p-value

1.111359e-13

6w vs 2y p-value

0.1068884

2y vs 5y p-value

0.6651204

6w vs 5y p-value

0.3396588

Lordosis (top of L1-S1) tests L5

Preop vs 6w p-value
0.3363784

Preop vs 2y p-value
0.1252121

Preop vs 5y p-value
0.3845384

6w vs 2y p-value
0.4426641

2y vs 5y p-value
0.6080935

6w vs 5y p-value
0.9291622

Pelvic Incidence - mean

All

[1] 56.41

Iliac

[1] 57.48

L5

[1] 52.47

Iliac vs L5 p-value:[1] 0.03935014

Pelvic Incidence - sd

All

[1] 12.85

Iliac

[1] 12.88

L5

[1] 12.09

6W. Pelvic Incidence - mean

All

[1] 56.53

Iliac

[1] 57.62

L5

[1] 52.62

Iliac vs L5 p-value:[1] 0.04323887

6W. Pelvic Incidence - sd

All

[1] 12.62

Iliac

[1] 12.57
L5
[1] 12.18

6M. Pelvic Incidence - mean

All

[1] 56.4

Iliac

[1] 57.69

L5

[1] 51.53

Iliac vs L5 p-value:[1] 0.01378594

6M. Pelvic Incidence - sd

All

[1] 12.69

Iliac

[1] 12.74

L5

[1] 11.47

1Y. Pelvic Incidence - mean

All

[1] 56.17

Iliac

[1] 57.16

L5

[1] 52.72

Iliac vs L5 p-value:[1] 0.0618861

1Y. Pelvic Incidence - sd

All

[1] 12.41

Iliac

[1] 12.58

L5

[1] 11.3

2Y. Pelvic Incidence - mean

All

[1] 56.34

Iliac

[1] 57.12

L5

[1] 53.37

Iliac vs L5 p-value:[1] 0.1212458

2Y. Pelvic Incidence - sd

All

[1] 12.36

Iliac

[1] 12.62

L5

[1] 11.05

5Y. Pelvic Incidence - mean

All

[1] 56.82

Iliac

[1] 57.57

L5

[1] 54.51

Iliac vs L5 p-value:[1] 0.3239153

5Y. Pelvic Incidence - sd

All

[1] 12.43

Iliac

[1] 12.55

L5

[1] 12.05

Pelvic Incidence tests all

Preop vs 6w p-value

0.9315645

Preop vs 2y p-value

0.9647036

Preop vs 5y p-value

0.8064338

6w vs 2y p-value

0.8974111

2y vs 5y p-value

0.7789437

6w vs 5y p-value

0.8641163

Pelvic Incidence tests Iliac

Preop vs 6w p-value

0.9321493

Preop vs 2y p-value

0.8291157

Preop vs 5y p-value

0.9633914

6w vs 2y p-value

0.7647134

2y vs 5y p-value

0.8198349

6w vs 5y p-value

0.9795084

Pelvic Incidence tests L5

Preop vs 6w p-value

0.9608386

Preop vs 2y p-value

0.758456

Preop vs 5y p-value

0.545824

6w vs 2y p-value

0.7989561

2y vs 5y p-value

0.7347283

6w vs 5y p-value

0.5781582

Pelvic Tilt - mean

All

[1] 27.16

Iliac

[1] 28.52

L5

[1] 22.17

Iliac vs L5 p-value:[1] 0.0004453217

Pelvic Tilt - sd

All

[1] 9.44

Iliac

[1] 9.21
L5
[1] 8.66

6W. Pelvic Tilt - mean
All
[1] 20.58
Iliac
[1] 20.4
L5
[1] 21.23

Iliac vs L5 p-value:[1] 0.6369812

6W. Pelvic Tilt - sd
All
[1] 9.08
Iliac
[1] 9.19
L5
[1] 8.77

6M. Pelvic Tilt - mean
All
[1] 22.98
Iliac
[1] 23.38
L5
[1] 21.47

Iliac vs L5 p-value:[1] 0.2298895

6M. Pelvic Tilt - sd
All
[1] 8.29
Iliac
[1] 8.49
L5
[1] 7.43

1Y. Pelvic Tilt - mean
All
[1] 23.33
Iliac
[1] 23.89
L5

[1] 21.35

Iliac vs L5 p-value:[1] 0.1211518

1Y. Pelvic Tilt - sd

All

[1] 8.82

Iliac

[1] 9.05

L5

[1] 7.77

2Y. Pelvic Tilt - mean

All

[1] 23.29

Iliac

[1] 23.63

L5

[1] 21.99

Iliac vs L5 p-value:[1] 0.3119891

2Y. Pelvic Tilt - sd

All

[1] 7.92

Iliac

[1] 8.01

L5

[1] 7.56

5Y. Pelvic Tilt - mean

All

[1] 24.77

Iliac

[1] 24.82

L5

[1] 24.62

Iliac vs L5 p-value:[1] 0.9156539

5Y. Pelvic Tilt - sd

All

[1] 8.34

Iliac

[1] 8.69

L5

[1] 7.37

Pelvic Tilt tests all
Preop vs 6w p-value
1.213504e-09

Preop vs 2y p-value
0.0001425598

Preop vs 5y p-value
0.04244637

6w vs 2y p-value
0.006974705

2y vs 5y p-value
0.1876516

6w vs 5y p-value
0.0003965814

Pelvic Tilt tests Iliac
Preop vs 6w p-value
4.789859e-11

Preop vs 2y p-value
1.995126e-05

Preop vs 5y p-value
0.007262256

6w vs 2y p-value
0.004919196

2y vs 5y p-value
0.3674606

6w vs 5y p-value
0.001527566

Pelvic Tilt tests L5
Preop vs 6w p-value
0.6581709

Preop vs 2y p-value
0.9301988

Preop vs 5y p-value
0.2700189

6w vs 2y p-value
0.7128919

2y vs 5y p-value
0.2258246

6w vs 5y p-value
0.1329411

Sacral Slope - mean
All
[1] 29.39
Iliac
[1] 28.94
L5
[1] 31.1

Iliac vs L5 p-value:[1] 0.2847851

Sacral Slope - sd
All
[1] 11.19
Iliac
[1] 11.52
L5
[1] 9.81

6W. Sacral Slope - mean
All
[1] 35.95
Iliac
[1] 37.23
L5
[1] 31.36

Iliac vs L5 p-value:[1] 0.002327849

6W. Sacral Slope - sd
All
[1] 10.56
Iliac
[1] 10.64
L5
[1] 8.98

6M. Sacral Slope - mean
All
[1] 33.37
Iliac
[1] 34.29
L5

[1] 29.9

Iliac vs L5 p-value:[1] 0.0307182

6M. Sacral Slope - sd

All

[1] 10.21

Iliac

[1] 10.25

L5

[1] 9.42

1Y. Sacral Slope - mean

All

[1] 32.82

Iliac

[1] 33.23

L5

[1] 31.37

Iliac vs L5 p-value:[1] 0.3059922

1Y. Sacral Slope - sd

All

[1] 9.18

Iliac

[1] 9.25

L5

[1] 8.89

2Y. Sacral Slope - mean

All

[1] 33.27

Iliac

[1] 33.77

L5

[1] 31.34

Iliac vs L5 p-value:[1] 0.2072572

2Y. Sacral Slope - sd

All

[1] 9.71

Iliac

[1] 9.89

L5

[1] 8.86

5Y. Sacral Slope - mean

All

[1] 32.05

Iliac

[1] 32.75

L5

[1] 29.9

Iliac vs L5 p-value:[1] 0.2404127

5Y. Sacral Slope - sd

All

[1] 9.32

Iliac

[1] 9.19

L5

[1] 9.59

Sacral Slope tests all

Preop vs 6w p-value

2.081037e-07

Preop vs 2y p-value

0.001525781

Preop vs 5y p-value

0.04910886

6w vs 2y p-value

0.02417642

2y vs 5y p-value

0.3494873

6w vs 5y p-value

0.003479528

Sacral Slope tests Iliac

Preop vs 6w p-value

1.681575e-08

Preop vs 2y p-value

0.0006386497

Preop vs 5y p-value

0.01439761

6w vs 2y p-value

0.01128376

2y vs 5y p-value
0.4898771

6w vs 5y p-value
0.003296767

Sacral Slope tests L5
Preop vs 6w p-value
0.9088881

Preop vs 2y p-value
0.9169275

Preop vs 5y p-value
0.6588064

6w vs 2y p-value
0.9938421

2y vs 5y p-value
0.589119

6w vs 5y p-value
0.577495

RLL - mean
All
[1] -29.49
Iliac
[1] -32.18
L5
[1] -19.62

Iliac vs L5 p-value:[1] 0.0001303509

RLL - sd
All
[1] 16.76
Iliac
[1] 16.08
L5
[1] 15.66

6W. RLL - mean
All
[1] -12.67
Iliac
[1] -11.7
L5

[1] -16.16

Iliac vs L5 p-value:[1] 0.05874037

6W. RLL - sd

All

[1] 12.11

Iliac

[1] 12.11

L5

[1] 11.61

6M. RLL - mean

All

[1] -13.13

Iliac

[1] -12.71

L5

[1] -14.72

Iliac vs L5 p-value:[1] 0.3822119

6M. RLL - sd

All

[1] 10.93

Iliac

[1] 10.9

L5

[1] 11.11

1Y. RLL - mean

All

[1] -13.93

Iliac

[1] -14.07

L5

[1] -13.45

Iliac vs L5 p-value:[1] 0.7899779

1Y. RLL - sd

All

[1] 11.65

Iliac

[1] 11.77

L5

[1] 11.39

2Y. RLL - mean

All

[1] -14.24

Iliac

[1] -14.24

L5

[1] -14.21

Iliac vs L5 p-value:[1] 0.9902141

2Y. RLL - sd

All

[1] 11.51

Iliac

[1] 11.57

L5

[1] 11.51

5Y. RLL - mean

All

[1] -14.5

Iliac

[1] -13.7

L5

[1] -16.99

Iliac vs L5 p-value:[1] 0.3305156

5Y. RLL - sd

All

[1] 12.32

Iliac

[1] 11.86

L5

[1] 13.66

RLL tests all

Preop vs 6w p-value

5.410613e-21

Preop vs 2y p-value

5.8153e-18

Preop vs 5y p-value

7.956712e-14

6w vs 2y p-value
0.2589472

2y vs 5y p-value
0.871873

6w vs 5y p-value
0.2687534

RLL tests Iliac
Preop vs 6w p-value
9.574761e-24

Preop vs 2y p-value
2.136663e-19

Preop vs 5y p-value
5.452574e-16

6w vs 2y p-value
0.1060141

2y vs 5y p-value
0.768309

6w vs 5y p-value
0.2803284

RLL tests L5
Preop vs 6w p-value
0.3074787

Preop vs 2y p-value
0.1206221

Preop vs 5y p-value
0.5155244

6w vs 2y p-value
0.5110539

2y vs 5y p-value
0.453978

6w vs 5y p-value
0.8190048

Global Tilt - mean
All
[1] 35.02
Iliac
[1] 37.84
L5

[1] 24.42

Iliac vs L5 p-value:[1] 9.476897e-06

Global Tilt - sd

All

[1] 16.12

Iliac

[1] 15.59

L5

[1] 13.64

6W. Global Tilt - mean

All

[1] 22.03

Iliac

[1] 21.59

L5

[1] 23.57

Iliac vs L5 p-value:[1] 0.4176329

6W. Global Tilt - sd

All

[1] 11.19

Iliac

[1] 10.83

L5

[1] 12.45

6M. Global Tilt - mean

All

[1] 24.26

Iliac

[1] 24.65

L5

[1] 22.48

Iliac vs L5 p-value:[1] 0.3870887

6M. Global Tilt - sd

All

[1] 11.75

Iliac

[1] 11.9

L5

[1] 11.06

1Y. Global Tilt - mean

All

[1] 25.4

Iliac

[1] 26.13

L5

[1] 22.41

Iliac vs L5 p-value:[1] 0.09721221

1Y. Global Tilt - sd

All

[1] 12.27

Iliac

[1] 12.78

L5

[1] 9.53

2Y. Global Tilt - mean

All

[1] 26.51

Iliac

[1] 27.34

L5

[1] 23.37

Iliac vs L5 p-value:[1] 0.08826415

2Y. Global Tilt - sd

All

[1] 11.75

Iliac

[1] 11.99

L5

[1] 10.37

5Y. Global Tilt - mean

All

[1] 29.49

Iliac

[1] 29.8

L5

[1] 28.52

Iliac vs L5 p-value:[1] 0.6711794

5Y. Global Tilt - sd
All
[1] 13.79
Iliac
[1] 14.64
L5
[1] 10.96

Global Tilt tests all
Preop vs 6w p-value
9.162177e-15

Preop vs 2y p-value
3.906877e-07

Preop vs 5y p-value
0.005438361

6w vs 2y p-value
0.001197221

2y vs 5y p-value
0.09983813

6w vs 5y p-value
3.563086e-05

Global Tilt tests Iliac
Preop vs 6w p-value
7.514888e-18

Preop vs 2y p-value
2.498289e-08

Preop vs 5y p-value
0.0006220673

6w vs 2y p-value
0.0002457973

2y vs 5y p-value
0.2545101

6w vs 5y p-value
0.000143521

Global Tilt tests L5
Preop vs 6w p-value
0.7949232

Preop vs 2y p-value
0.7355823

Preop vs 5y p-value
0.2295117

6w vs 2y p-value
0.9462679

2y vs 5y p-value
0.1036081

6w vs 5y p-value
0.1349073

T1 Sagittal Tilt - mean

All

[1] 0.11

Iliac

[1] 0.96

L5

[1] -3.12

Iliac vs L5 p-value:[1] 0.001617551

T1 Sagittal Tilt - sd

All

[1] 6.86

Iliac

[1] 6.93

L5

[1] 5.58

6W. T1 Sagittal Tilt - mean

All

[1] -3.29

Iliac

[1] -3.72

L5

[1] -1.84

Iliac vs L5 p-value:[1] 0.02195213

6W. T1 Sagittal Tilt - sd

All

[1] 3.87

Iliac

[1] 3.79

L5

[1] 3.84

6M. T1 Sagittal Tilt - mean

All

[1] -4.02

Iliac

[1] -4.08

L5

[1] -3.75

Iliac vs L5 p-value:[1] 0.6666593

6M. T1 Sagittal Tilt - sd

All

[1] 4.22

Iliac

[1] 4.44

L5

[1] 3.08

1Y. T1 Sagittal Tilt - mean

All

[1] -3.95

Iliac

[1] -3.97

L5

[1] -3.84

Iliac vs L5 p-value:[1] 0.8915657

1Y. T1 Sagittal Tilt - sd

All

[1] 4.8

Iliac

[1] 4.99

L5

[1] 3.95

2Y. T1 Sagittal Tilt - mean

All

[1] -2.98

Iliac

[1] -2.84

L5

[1] -3.46

Iliac vs L5 p-value:[1] 0.4165542

2Y. T1 Sagittal Tilt - sd

All

[1] 4.4

Iliac

[1] 4.69

L5

[1] 3.16

5Y. T1 Sagittal Tilt - mean

All

[1] -1.95

Iliac

[1] -1.75

L5

[1] -2.59

Iliac vs L5 p-value:[1] 0.4386978

5Y. T1 Sagittal Tilt - sd

All

[1] 5.68

Iliac

[1] 6.23

L5

[1] 3.49

T1 Sagittal Tilt tests all

Preop vs 6w p-value

9.496704e-07

Preop vs 2y p-value

1.50732e-05

Preop vs 5y p-value

0.01533727

6w vs 2y p-value

0.5502316

2y vs 5y p-value

0.1594678

6w vs 5y p-value

0.05903722

T1 Sagittal Tilt tests Iliac

Preop vs 6w p-value

5.281255e-09

Preop vs 2y p-value
4.858747e-06

Preop vs 5y p-value
0.008562793

6w vs 2y p-value
0.1458185

2y vs 5y p-value
0.2272461

6w vs 5y p-value
0.02398422

T1 Sagittal Tilt tests L5
Preop vs 6w p-value
0.3087823

Preop vs 2y p-value
0.7756784

Preop vs 5y p-value
0.6834588

6w vs 2y p-value
0.08231197

2y vs 5y p-value
0.3737486

6w vs 5y p-value
0.4673235

Thoracolumbar L2-T10 - mean

All

[1] 10.74

Iliac

[1] 10.15

L5

[1] 12.97

Iliac vs L5 p-value:[1] 0.4999512

Thoracolumbar L2-T10 - sd

All

[1] 20.6

Iliac

[1] 20.53

L5

[1] 21.02

6W. Thoracolumbar L2-T10 - mean

All

[1] 6.65

Iliac

[1] 7.61

L5

[1] 3.17

Iliac vs L5 p-value:[1] 0.04188712

6W. Thoracolumbar L2-T10 - sd

All

[1] 10.74

Iliac

[1] 10.66

L5

[1] 10.45

6M. Thoracolumbar L2-T10 - mean

All

[1] 7.33

Iliac

[1] 7.83

L5

[1] 5.2

Iliac vs L5 p-value:[1] 0.2941896

6M. Thoracolumbar L2-T10 - sd

All

[1] 10.55

Iliac

[1] 10.37

L5

[1] 11.28

1Y. Thoracolumbar L2-T10 - mean

All

[1] 7.61

Iliac

[1] 7.68

L5

[1] 7.31

Iliac vs L5 p-value:[1] 0.9037103

```
1Y. Thoracolumbar L2-T10 - sd
All
[1] 11.75
Iliac
[1] 10.98
L5
[1] 14.72
```

```
2Y. Thoracolumbar L2-T10 - mean
All
[1] 7.7
Iliac
[1] 7.6
L5
[1] 8.11
```

```
Iliac vs L5 p-value:[1] 0.8512417
```

```
2Y. Thoracolumbar L2-T10 - sd
All
[1] 12.69
Iliac
[1] 12.89
L5
[1] 12.05
```

```
5Y. Thoracolumbar L2-T10 - mean
All
[1] 8.59
Iliac
[1] 8.24
L5
[1] 9.65
```

```
Iliac vs L5 p-value:[1] 0.6704018
```

```
5Y. Thoracolumbar L2-T10 - sd
All
[1] 14.17
Iliac
[1] 14.75
L5
[1] 12.48
```

Thoracolumbar L2-T10 tests all
Preop vs 6w p-value
0.03209712

Preop vs 2y p-value
0.1289073

Preop vs 5y p-value
0.3421504

6w vs 2y p-value
0.4621288

2y vs 5y p-value
0.6369728

6w vs 5y p-value
0.2771672

Thoracolumbar L2-T10 tests Iliac
Preop vs 6w p-value
0.2348146

Preop vs 2y p-value
0.2583007

Preop vs 5y p-value
0.4684558

6w vs 2y p-value
0.9948394

2y vs 5y p-value
0.7719202

6w vs 5y p-value
0.7629621

Thoracolumbar L2-T10 tests L5
Preop vs 6w p-value
0.02280798

Preop vs 2y p-value
0.2775179

Preop vs 5y p-value
0.4737271

6w vs 2y p-value
0.1118447

2y vs 5y p-value
0.6747944

6w vs 5y p-value
0.057313

RSA - mean
All
[1] 22.9
Iliac
[1] 25.25
L5
[1] 14.07

Iliac vs L5 p-value:[1] 1.063895e-05

RSA - sd
All
[1] 14.1
Iliac
[1] 13.88
L5
[1] 11.3

6W. RSA - mean
All
[1] 9.8
Iliac
[1] 8.83
L5
[1] 13.26

Iliac vs L5 p-value:[1] 0.02583761

6W. RSA - sd
All
[1] 8.87
Iliac
[1] 8.34
L5
[1] 9.94

6M. RSA - mean
All
[1] 12.13
Iliac
[1] 11.95
L5
[1] 12.96

Iliac vs L5 p-value:[1] 0.5797044

6M. RSA - sd

All

[1] 9.04

Iliac

[1] 9.29

L5

[1] 7.94

1Y. RSA - mean

All

[1] 13.38

Iliac

[1] 13.68

L5

[1] 12.15

Iliac vs L5 p-value:[1] 0.3678533

1Y. RSA - sd

All

[1] 9.37

Iliac

[1] 9.81

L5

[1] 7.34

2Y. RSA - mean

All

[1] 14.48

Iliac

[1] 14.86

L5

[1] 13.04

Iliac vs L5 p-value:[1] 0.3066767

2Y. RSA - sd

All

[1] 9.15

Iliac

[1] 9.42

L5

[1] 8

5Y. RSA - mean

All

[1] 17.22

Iliac

[1] 17.17

L5

[1] 17.35

Iliac vs L5 p-value:[1] 0.9397796

5Y. RSA - sd

All

[1] 11.1

Iliac

[1] 11.8

L5

[1] 8.83

RSA tests all

Preop vs 6w p-value

2.159234e-19

Preop vs 2y p-value

3.154925e-09

Preop vs 5y p-value

0.0006510523

6w vs 2y p-value

1.892267e-05

2y vs 5y p-value

0.05844346

6w vs 5y p-value

4.426877e-07

RSA tests Iliac

Preop vs 6w p-value

6.468067e-23

Preop vs 2y p-value

1.484102e-10

Preop vs 5y p-value

4.475701e-05

6w vs 2y p-value

1.039481e-06

2y vs 5y p-value

0.1833102

6w vs 5y p-value
2.119909e-06

RSA tests L5
Preop vs 6w p-value
0.7618163

Preop vs 2y p-value
0.6807908

Preop vs 5y p-value
0.2379728

6w vs 2y p-value
0.9238653

2y vs 5y p-value
0.08563468

6w vs 5y p-value
0.1235304

RPV - mean
All
[1] -12.93
Iliac
[1] -13.97
L5
[1] -8.98

Iliac vs L5 p-value:[1] 0.0002352195

RPV - sd
All
[1] 7.9
Iliac
[1] 8.01
L5
[1] 6.1

6W. RPV - mean
All
[1] -6.4
Iliac
[1] -5.77
L5
[1] -8.68

Iliac vs L5 p-value:[1] 0.03443289

6W. RPV - sd

All

[1] 7.61

Iliac

[1] 7.78

L5

[1] 6.57

6M. RPV - mean

All

[1] -8.91

Iliac

[1] -8.75

L5

[1] -9.5

Iliac vs L5 p-value:[1] 0.5611091

6M. RPV - sd

All

[1] 6.66

Iliac

[1] 6.82

L5

[1] 6.11

1Y. RPV - mean

All

[1] -9.32

Iliac

[1] -9.49

L5

[1] -8.73

Iliac vs L5 p-value:[1] 0.5455246

1Y. RPV - sd

All

[1] 6.58

Iliac

[1] 6.74

L5

[1] 6.02

2Y. RPV - mean

All

[1] -8.98

Iliac

[1] -8.93

L5

[1] -9.15

Iliac vs L5 p-value:[1] 0.86913

2Y. RPV - sd

All

[1] 6.42

Iliac

[1] 6.54

L5

[1] 6.05

5Y. RPV - mean

All

[1] -10.47

Iliac

[1] -10.22

L5

[1] -11.27

Iliac vs L5 p-value:[1] 0.4928944

5Y. RPV - sd

All

[1] 6.27

Iliac

[1] 6.41

L5

[1] 5.89

RPV tests all

Preop vs 6w p-value

1.218677e-12

Preop vs 2y p-value

3.091393e-06

Preop vs 5y p-value

0.008506331

6w vs 2y p-value

0.001889993

2y vs 5y p-value
0.08554583

6w vs 5y p-value
1.386788e-05

RPV tests Iliac
Preop vs 6w p-value
2.460641e-14

Preop vs 2y p-value
2.537594e-07

Preop vs 5y p-value
0.0005986081

6w vs 2y p-value
0.000950976

2y vs 5y p-value
0.2041627

6w vs 5y p-value
5.058904e-05

RPV tests L5
Preop vs 6w p-value
0.8506946

Preop vs 2y p-value
0.9141574

Preop vs 5y p-value
0.1767435

6w vs 2y p-value
0.7739999

2y vs 5y p-value
0.2204258

6w vs 5y p-value
0.1398461

Quality of Life

ODI - Score (%) - mean

All

[1] 44.27

Iliac

[1] 44.97

L5

[1] 41.76

Iliac vs L5 p-value:[1] 0.3817934

ODI - Score (%) - sd

All

[1] 17.82

Iliac

[1] 17.57

L5

[1] 18.74

6M. ODI - Score (%) - mean

All

[1] 31.81

Iliac

[1] 32.45

L5

[1] 29.21

Iliac vs L5 p-value:[1] 0.3763933

6M. ODI - Score (%) - sd

All

[1] 18.58

Iliac

[1] 19.03

L5

[1] 16.67

1Y. ODI - Score (%) - mean

All

[1] 31.6

Iliac

[1] 31.64

L5

[1] 31.43

Iliac vs L5 p-value:[1] 0.9543776

1Y. ODI - Score (%) - sd

All

[1] 17.66

Iliac

[1] 17.69

L5

[1] 17.85

2Y. ODI - Score (%) - mean

All

[1] 33.42

Iliac

[1] 34.74

L5

[1] 28.76

Iliac vs L5 p-value:[1] 0.1705242

2Y. ODI - Score (%) - sd

All

[1] 22.54

Iliac

[1] 22.72

L5

[1] 21.58

5Y. ODI - Score (%) - mean

All

[1] 35.67

Iliac

[1] 37.21

L5

[1] 30.35

Iliac vs L5 p-value:[1] 0.1072663

5Y. ODI - Score (%) - sd

All

[1] 22.3

Iliac

[1] 23.41

L5

[1] 17.28

ODI - Score (%) tests all

Preop vs 6m p-value

1.180288e-08

Preop vs 2y p-value

5.432952e-06

Preop vs 5y p-value

0.0007756216

6m vs 2y p-value
0.5068062

2y vs 5y p-value
0.4168604

6w vs 5y p-value
0.1375899

ODI - Score (%) tests Iliac
Preop vs 6m p-value
4.012081e-07

Preop vs 2y p-value
0.0001508229

Preop vs 5y p-value
0.009255832

6m vs 2y p-value
0.4070829

2y vs 5y p-value
0.4478113

6m vs 5y p-value
0.119501

ODI - Score (%) tests L5
Preop vs 6m p-value
0.007577465

Preop vs 2y p-value
0.01121871

Preop vs 5y p-value
0.01853997

6m vs 2y p-value
0.9260893

2y vs 5y p-value
0.7546251

6w vs 5y p-value
0.807701

SRS22 - Function / Activity - mean
All
[1] 2.76
Iliac
[1] 2.74
L5

[1] 2.83

Iliac vs L5 p-value:[1] 0.5624182

SRS22 - Function / Activity - sd

All

[1] 0.72

Iliac

[1] 0.71

L5

[1] 0.74

6M. SRS22 - Function / Activity - mean

All

[1] 3.03

Iliac

[1] 3.02

L5

[1] 3.04

Iliac vs L5 p-value:[1] 0.9255523

6M. SRS22 - Function / Activity - sd

All

[1] 0.75

Iliac

[1] 0.71

L5

[1] 0.89

1Y. SRS22 - Function / Activity - mean

All

[1] 3.08

Iliac

[1] 3.08

L5

[1] 3.07

Iliac vs L5 p-value:[1] 0.9579842

1Y. SRS22 - Function / Activity - sd

All

[1] 0.82

Iliac

[1] 0.79

L5

[1] 0.96

```
2Y. SRS22 - Function / Activity - mean
All
[1] 3.19
Iliac
[1] 3.15
L5
[1] 3.34
```

```
Iliac vs L5 p-value:[1] 0.2771709
```

```
2Y. SRS22 - Function / Activity - sd
All
[1] 0.86
Iliac
[1] 0.86
L5
[1] 0.85
```

```
5Y. SRS22 - Function / Activity - mean
All
[1] 3.22
Iliac
[1] 3.19
L5
[1] 3.34
```

```
Iliac vs L5 p-value:[1] 0.3738835
```

```
5Y. SRS22 - Function / Activity - sd
All
[1] 0.87
Iliac
[1] 0.91
L5
[1] 0.72
```

```
SRS22 - Function / Activity tests all
Preop vs 6m p-value
0.002003009
```

```
Preop vs 2y p-value
3.98962e-06
```

```
Preop vs 5y p-value
5.428308e-06
```

6m vs 2y p-value
0.08549522

2y vs 5y p-value
0.7755023

6w vs 5y p-value
0.05813671

SRS22 - Function / Activity tests Iliac
Preop vs 6m p-value
0.002843591

Preop vs 2y p-value
9.805675e-05

Preop vs 5y p-value
0.0001691877

6m vs 2y p-value
0.2237086

2y vs 5y p-value
0.7730453

6m vs 5y p-value
0.1635664

SRS22 - Function / Activity tests L5
Preop vs 6m p-value
0.3212941

Preop vs 2y p-value
0.01256246

Preop vs 5y p-value
0.009073027

6m vs 2y p-value
0.1970799

2y vs 5y p-value
0.9907041

6w vs 5y p-value
0.1836069

SRS22 - Pain - mean
All
[1] 2.31
Iliac
[1] 2.32
L5

[1] 2.29

Iliac vs L5 p-value:[1] 0.8789104

SRS22 - Pain - sd

All

[1] 0.85

Iliac

[1] 0.83

L5

[1] 0.92

6M. SRS22 - Pain - mean

All

[1] 3.34

Iliac

[1] 3.35

L5

[1] 3.3

Iliac vs L5 p-value:[1] 0.7976315

6M. SRS22 - Pain - sd

All

[1] 0.89

Iliac

[1] 0.88

L5

[1] 0.93

1Y. SRS22 - Pain - mean

All

[1] 3.38

Iliac

[1] 3.39

L5

[1] 3.34

Iliac vs L5 p-value:[1] 0.7915287

1Y. SRS22 - Pain - sd

All

[1] 1

Iliac

[1] 0.99

L5

[1] 1.04

2Y. SRS22 - Pain - mean

All

[1] 3.28

Iliac

[1] 3.29

L5

[1] 3.25

Iliac vs L5 p-value:[1] 0.8476839

2Y. SRS22 - Pain - sd

All

[1] 1.14

Iliac

[1] 1.16

L5

[1] 1.05

5Y. SRS22 - Pain - mean

All

[1] 3.07

Iliac

[1] 3.08

L5

[1] 3.01

Iliac vs L5 p-value:[1] 0.7844013

5Y. SRS22 - Pain - sd

All

[1] 1.17

Iliac

[1] 1.2

L5

[1] 1.05

SRS22 - Pain tests all

Preop vs 6m p-value

6.426823e-21

Preop vs 2y p-value

3.092217e-15

Preop vs 5y p-value

1.28259e-08

6m vs 2y p-value
0.6112942

2y vs 5y p-value
0.1300685

6w vs 5y p-value
0.03533655

SRS22 - Pain tests Iliac
Preop vs 6m p-value
1.756103e-17

Preop vs 2y p-value
3.368848e-12

Preop vs 5y p-value
6.298191e-07

6m vs 2y p-value
0.6484518

2y vs 5y p-value
0.2063

6m vs 5y p-value
0.07270424

SRS22 - Pain tests L5
Preop vs 6m p-value
0.0001016047

Preop vs 2y p-value
0.0002706931

Preop vs 5y p-value
0.007274066

6m vs 2y p-value
0.8399535

2y vs 5y p-value
0.4016977

6w vs 5y p-value
0.2955313

SRS22 - Self image / Appearance - mean
All
[1] 2.09
Iliac
[1] 2.03
L5

[1] 2.28

Iliac vs L5 p-value:[1] 0.07539967

SRS22 - Self image / Appearance - sd

All

[1] 0.65

Iliac

[1] 0.63

L5

[1] 0.71

6M. SRS22 - Self image / Appearance - mean

All

[1] 3.36

Iliac

[1] 3.33

L5

[1] 3.5

Iliac vs L5 p-value:[1] 0.3933773

6M. SRS22 - Self image / Appearance - sd

All

[1] 0.87

Iliac

[1] 0.86

L5

[1] 0.93

1Y. SRS22 - Self image / Appearance - mean

All

[1] 3.36

Iliac

[1] 3.35

L5

[1] 3.42

Iliac vs L5 p-value:[1] 0.6853284

1Y. SRS22 - Self image / Appearance - sd

All

[1] 0.81

Iliac

[1] 0.78

L5

[1] 0.96

```
2Y. SRS22 - Self image / Appearance - mean
All
[1] 3.24
Iliac
[1] 3.18
L5
[1] 3.48
```

```
Iliac vs L5 p-value:[1] 0.1341684
```

```
2Y. SRS22 - Self image / Appearance - sd
All
[1] 0.97
Iliac
[1] 0.97
L5
[1] 0.95
```

```
5Y. SRS22 - Self image / Appearance - mean
All
[1] 3.13
Iliac
[1] 3.09
L5
[1] 3.27
```

```
Iliac vs L5 p-value:[1] 0.3937114
```

```
5Y. SRS22 - Self image / Appearance - sd
All
[1] 1.01
Iliac
[1] 1.02
L5
[1] 0.97
```

```
SRS22 - Self image / Appearance tests all
Preop vs 6m p-value
6.676293e-34
```

```
Preop vs 2y p-value
4.765042e-27
```

```
Preop vs 5y p-value
1.109373e-18
```


6m vs 2y p-value
0.2930057

2y vs 5y p-value
0.3464604

6w vs 5y p-value
0.0530455

SRS22 - Self image / Appearance tests Iliac
Preop vs 6m p-value
4.688937e-29

Preop vs 2y p-value
1.018224e-21

Preop vs 5y p-value
6.274015e-15

6m vs 2y p-value
0.2350104

2y vs 5y p-value
0.4939568

6m vs 5y p-value
0.07495936

SRS22 - Self image / Appearance tests L5
Preop vs 6m p-value
1.156135e-06

Preop vs 2y p-value
5.536168e-07

Preop vs 5y p-value
5.658542e-05

6m vs 2y p-value
0.9396477

2y vs 5y p-value
0.4207469

6w vs 5y p-value
0.3905371

SRS22 - Mental health - mean
All
[1] 2.96
Iliac
[1] 2.89
L5

[1] 3.2

Iliac vs L5 p-value:[1] 0.08060254

SRS22 - Mental health - sd

All

[1] 0.91

Iliac

[1] 0.91

L5

[1] 0.87

6M. SRS22 - Mental health - mean

All

[1] 3.45

Iliac

[1] 3.44

L5

[1] 3.5

Iliac vs L5 p-value:[1] 0.7396122

6M. SRS22 - Mental health - sd

All

[1] 0.89

Iliac

[1] 0.89

L5

[1] 0.91

1Y. SRS22 - Mental health - mean

All

[1] 3.49

Iliac

[1] 3.49

L5

[1] 3.51

Iliac vs L5 p-value:[1] 0.9121266

1Y. SRS22 - Mental health - sd

All

[1] 0.88

Iliac

[1] 0.86

L5

[1] 0.97

2Y. SRS22 - Mental health - mean

All

[1] 3.35

Iliac

[1] 3.3

L5

[1] 3.56

Iliac vs L5 p-value:[1] 0.1696638

2Y. SRS22 - Mental health - sd

All

[1] 1

Iliac

[1] 1.02

L5

[1] 0.9

5Y. SRS22 - Mental health - mean

All

[1] 3.33

Iliac

[1] 3.3

L5

[1] 3.45

Iliac vs L5 p-value:[1] 0.4303014

5Y. SRS22 - Mental health - sd

All

[1] 0.97

Iliac

[1] 1.02

L5

[1] 0.82

SRS22 - Mental health tests all

Preop vs 6m p-value

3.585085e-06

Preop vs 2y p-value

0.0003585777

Preop vs 5y p-value

0.001204152

6m vs 2y p-value
0.3793423

2y vs 5y p-value
0.8787487

6w vs 5y p-value
0.3193619

SRS22 - Mental health tests Iliac
Preop vs 6m p-value
4.923612e-06

Preop vs 2y p-value
0.001291831

Preop vs 5y p-value
0.002627902

6m vs 2y p-value
0.2659844

2y vs 5y p-value
0.9897269

6m vs 5y p-value
0.306084

SRS22 - Mental health tests L5
Preop vs 6m p-value
0.196677

Preop vs 2y p-value
0.1109146

Preop vs 5y p-value
0.2561556

6m vs 2y p-value
0.8156427

2y vs 5y p-value
0.6358732

6w vs 5y p-value
0.8271794

SRS22 - SRS Subtotal score - mean
All
[1] 2.54
Iliac
[1] 2.5
L5

[1] 2.66

Iliac vs L5 p-value:[1] 0.2149205

SRS22 - SRS Subtotal score - sd

All

[1] 0.62

Iliac

[1] 0.6

L5

[1] 0.68

6M. SRS22 - SRS Subtotal score - mean

All

[1] 3.29

Iliac

[1] 3.29

L5

[1] 3.33

Iliac vs L5 p-value:[1] 0.7595976

6M. SRS22 - SRS Subtotal score - sd

All

[1] 0.68

Iliac

[1] 0.67

L5

[1] 0.74

1Y. SRS22 - SRS Subtotal score - mean

All

[1] 3.34

Iliac

[1] 3.34

L5

[1] 3.34

Iliac vs L5 p-value:[1] 0.9959108

1Y. SRS22 - SRS Subtotal score - sd

All

[1] 0.73

Iliac

[1] 0.71

L5

[1] 0.82

2Y. SRS22 - SRS Subtotal score - mean

All

[1] 3.27

Iliac

[1] 3.23

L5

[1] 3.41

Iliac vs L5 p-value:[1] 0.2825081

2Y. SRS22 - SRS Subtotal score - sd

All

[1] 0.87

Iliac

[1] 0.88

L5

[1] 0.81

5Y. SRS22 - SRS Subtotal score - mean

All

[1] 3.19

Iliac

[1] 3.17

L5

[1] 3.27

Iliac vs L5 p-value:[1] 0.571453

5Y. SRS22 - SRS Subtotal score - sd

All

[1] 0.88

Iliac

[1] 0.91

L5

[1] 0.79

SRS22 - SRS Subtotal score tests all

Preop vs 6m p-value

2.458299e-20

Preop vs 2y p-value

2.539238e-15

Preop vs 5y p-value

7.280783e-11

6m vs 2y p-value
0.7528223

2y vs 5y p-value
0.4762989

6w vs 5y p-value
0.2879374

SRS22 - SRS Subtotal score tests Iliac
Preop vs 6m p-value
4.659146e-18

Preop vs 2y p-value
2.793514e-12

Preop vs 5y p-value
9.786987e-09

6m vs 2y p-value
0.5747529

2y vs 5y p-value
0.6205591

6m vs 5y p-value
0.2948042

SRS22 - SRS Subtotal score tests L5
Preop vs 6m p-value
0.0006468586

Preop vs 2y p-value
0.00019954

Preop vs 5y p-value
0.002792638

6m vs 2y p-value
0.7107263

2y vs 5y p-value
0.5047106

6w vs 5y p-value
0.7540886

SF36 - PCS - mean
All
[1] 33.51
Iliac
[1] 33.25
L5

[1] 34.47

Iliac vs L5 p-value:[1] 0.4811913

SF36 - PCS - sd

All

[1] 7.88

Iliac

[1] 7.55

L5

[1] 9.05

6M. SF36 - PCS - mean

All

[1] 38.12

Iliac

[1] 38.09

L5

[1] 38.22

Iliac vs L5 p-value:[1] 0.9401186

6M. SF36 - PCS - sd

All

[1] 8.29

Iliac

[1] 8.44

L5

[1] 7.78

1Y. SF36 - PCS - mean

All

[1] 38.78

Iliac

[1] 38.76

L5

[1] 38.87

Iliac vs L5 p-value:[1] 0.959577

1Y. SF36 - PCS - sd

All

[1] 8.89

Iliac

[1] 8.61

L5

[1] 10.08

2Y. SF36 - PCS - mean

All

[1] 39.83

Iliac

[1] 39.49

L5

[1] 41

Iliac vs L5 p-value:[1] 0.406496

2Y. SF36 - PCS - sd

All

[1] 9.58

Iliac

[1] 9.77

L5

[1] 8.93

5Y. SF36 - PCS - mean

All

[1] 38.16

Iliac

[1] 37.59

L5

[1] 40.17

Iliac vs L5 p-value:[1] 0.2232686

5Y. SF36 - PCS - sd

All

[1] 10.83

Iliac

[1] 11.32

L5

[1] 8.79

SF36 - PCS tests all

Preop vs 6m p-value

1.787831e-06

Preop vs 2y p-value

1.599223e-09

Preop vs 5y p-value

0.000121271

6m vs 2y p-value
0.1051882

2y vs 5y p-value
0.1920211

6w vs 5y p-value
0.9717312

SF36 - PCS tests Iliac
Preop vs 6m p-value
7.194601e-06

Preop vs 2y p-value
1.256822e-07

Preop vs 5y p-value
0.001893411

6m vs 2y p-value
0.2490057

2y vs 5y p-value
0.2048313

6m vs 5y p-value
0.7247666

SF36 - PCS tests L5
Preop vs 6m p-value
0.08461802

Preop vs 2y p-value
0.004429819

Preop vs 5y p-value
0.0179498

6m vs 2y p-value
0.1948625

2y vs 5y p-value
0.7219385

6w vs 5y p-value
0.3897391

SF36 - MCS - mean
All
[1] 41.52
Iliac
[1] 40.66
L5

[1] 44.65

Iliac vs L5 p-value:[1] 0.114917

SF36 - MCS - sd

All

[1] 12.35

Iliac

[1] 12.15

L5

[1] 12.76

6M. SF36 - MCS - mean

All

[1] 45.94

Iliac

[1] 45.78

L5

[1] 46.58

Iliac vs L5 p-value:[1] 0.7606111

6M. SF36 - MCS - sd

All

[1] 12.33

Iliac

[1] 12.34

L5

[1] 12.53

1Y. SF36 - MCS - mean

All

[1] 45.98

Iliac

[1] 45.83

L5

[1] 46.55

Iliac vs L5 p-value:[1] 0.7961928

1Y. SF36 - MCS - sd

All

[1] 12.78

Iliac

[1] 12.61

L5

[1] 13.63

2Y. SF36 - MCS - mean

All

[1] 45.82

Iliac

[1] 44.82

L5

[1] 49.29

Iliac vs L5 p-value:[1] 0.08291456

2Y. SF36 - MCS - sd

All

[1] 12.48

Iliac

[1] 12.22

L5

[1] 12.92

5Y. SF36 - MCS - mean

All

[1] 45.41

Iliac

[1] 44.69

L5

[1] 47.91

Iliac vs L5 p-value:[1] 0.2229141

5Y. SF36 - MCS - sd

All

[1] 12.23

Iliac

[1] 12.39

L5

[1] 11.52

SF36 - MCS tests all

Preop vs 6m p-value

0.002346947

Preop vs 2y p-value

0.002907842

Preop vs 5y p-value

0.01052979

6m vs 2y p-value
0.9317135

2y vs 5y p-value
0.7882805

6w vs 5y p-value
0.7274974

SF36 - MCS tests Iliac
Preop vs 6m p-value
0.001670068

Preop vs 2y p-value
0.009452938

Preop vs 5y p-value
0.01927195

6m vs 2y p-value
0.5581037

2y vs 5y p-value
0.9395763

6m vs 5y p-value
0.5339496

SF36 - MCS tests L5
Preop vs 6m p-value
0.5507323

Preop vs 2y p-value
0.1471907

Preop vs 5y p-value
0.3068772

6m vs 2y p-value
0.4058477

2y vs 5y p-value
0.6684579

6w vs 5y p-value
0.6817864

Surgery

Total Operative Blood Loss st1+st2+st3 - mean
All
[1] 1911.52

Iliac
[1] 2018.91
L5
[1] 1502.74

Iliac vs L5 p-value:[1] 0.02729944

Total Operative Blood Loss st1+st2+st3 - sd
All
[1] 1416.57
Iliac
[1] 1488.52
L5
[1] 1020

Total surgical time st1+st2+st3 - mean
All
[1] 318.93
Iliac
[1] 304.79
L5
[1] 371.32

Iliac vs L5 p-value:[1] 0.104178

Total surgical time st1+st2+st3 - sd
All
[1] 176.96
Iliac
[1] 162.29
L5
[1] 217.99

Number of Posterior Instrumented Levels - mean
All
[1] 10.58
Iliac
[1] 10.87
L5
[1] 9.5

Iliac vs L5 p-value:[1] 0.08626246

Number of Posterior Instrumented Levels - sd
All
[1] 3.7
Iliac

	0.01875	0.91250	0.06250	0.00625
Iliac				
variable				
Anterior-Posterior		Posterior	Posterior-Anterior	
	0.01587302	0.90476190	0.07936508	
L5				
variable				
Anterior-Posterior		Posterior	Posterior-Posterior	
	0.02941176	0.94117647	0.02941176	

Number of Interbody Fusions - mean

All

[1] 1.14

Iliac

[1] 1.18

L5

[1] 1

Iliac vs L5 p-value:[1] 0.5100683

Number of Interbody Fusions - sd

All

[1] 1.33

Iliac

[1] 1.29

L5

[1] 1.46

Decompression - table

All

variable

No Yes

121 39

Iliac

variable

No Yes

96 30

L5

variable

No Yes

25 9

Decompression - proportion

All

variable

No Yes

0.75625 0.24375

Iliac

variable

	No	Yes
L5	0.7619048	0.2380952
Iliac		
L5		
variable		
	No	Yes
	0.7352941	0.2647059

Interbody Fusion - table

All	No	Yes
variable		
	No	Yes
	66	94
Iliac		
variable		
	No	Yes
	48	78
L5		
variable		
	No	Yes
	18	16

Interbody Fusion - proportion

All	No	Yes
variable		
	No	Yes
	0.4125	0.5875
Iliac		
variable		
	No	Yes
	0.3809524	0.6190476
L5		
variable		
	No	Yes
	0.5294118	0.4705882

Osteotomy - table

All	No	Yes
variable		
	No	Yes
	71	89
Iliac		
variable		
	No	Yes
	49	77
L5		
variable		
	No	Yes
	22	12

Osteotomy - proportion

```

All
variable
      No      Yes
0.44375 0.55625
Iliac
variable
      No      Yes
0.388889 0.611111
L5
variable
      No      Yes
0.6470588 0.3529412

```

3C0 - table

```

All
variable
  No Yes
121 39
Iliac
variable
  No Yes
 93 33
L5
variable
  No Yes
 28 6

```

3C0 - proportion

```

All
variable
      No      Yes
0.75625 0.24375
Iliac
variable
      No      Yes
0.7380952 0.2619048
L5
variable
      No      Yes
0.8235294 0.1764706

```

Before 2Y

Reinterventions

```

      group reiqs patients total
1:  all      93         49    160
2:  Iliac     74         39    126
3:   L5     19         10     34

```

```

p_val_1_total p_val_2_total p_val_1_2

```

1 1 1 1

Impacts

	Complication	Impact	all_num	all_patients	Iliac_num	Iliac_patients	L5_num
1:		0	1	1	1	1	0
2:	Adverse Event		1	1	0	0	1
3:	Major Complication		109	58	86	46	23
4:	Minor Complication		109	73	93	61	16

	L5_patients	total_all	Iliac	L5	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	160	126	34	1.0000000	1.0000000	1.0000000
2:	1	160	126	34	1.0000000	0.7798848	0.4808048
3:	12	160	126	34	1.0000000	1.0000000	1.0000000
4:	12	160	126	34	0.7265748	0.3616175	0.2424614

Categories

	Category of the complication	all_num	all_patients	Iliac_num
1:	Iatrogenic	8	8	5
2:	Infectious complications	16	14	9
3:	Mechanical complications	110	74	95
4:	Other complications	53	32	44
5:	Pain	7	6	5
6:	Peripheral neurologic complications	26	23	22

	Iliac_patients	L5_num	L5_patients	total_all	Iliac	L5	p_val_1_total
1:	5	3	3	160	126	34	0.8966008
2:	9	7	5	160	126	34	0.7816357
3:	63	15	11	160	126	34	0.6093314
4:	25	9	7	160	126	34	1.0000000
5:	5	2	1	160	126	34	1.0000000
6:	19	4	4	160	126	34	1.0000000

	p_val_2_total	p_val_1_2
1:	0.6403570	0.4780892
2:	0.4572303	0.2969479
3:	0.1960465	0.1014980
4:	1.0000000	1.0000000
5:	1.0000000	1.0000000
6:	0.8992939	0.8309735

Categories Major Complications

	Category of the complication	all_num	all_patients	Iliac_num
1:	Iatrogenic	5	5	3
2:	Infectious complications	14	12	8
3:	Mechanical complications	61	41	52
4:	Other complications	17	13	16
5:	Pain	5	4	3
6:	Peripheral neurologic complications	7	7	4

	Iliac_patients	L5_num	L5_patients	total_all	Iliac	L5	p_val_1_total
1:	3	2	2	160	126	34	0.9858946
2:	8	6	4	160	126	34	0.8844459
3:	34	9	7	160	126	34	0.9012892

4:	12	1	1	160	126	34	0.8376059
5:	3	2	1	160	126	34	1.0000000
6:	4	3	3	160	126	34	0.8302407

	p_val_2_total	p_val_1_2
1:	0.7820602	0.6270099
2:	0.6328560	0.4857781
3:	0.6896868	0.5914407
4:	0.4864653	0.3718519
5:	1.0000000	1.0000000
6:	0.5232443	0.3387412

From 2Y - 5Y

Reinterventions

	group	reiqs	patients	total
1:	all	29	20	160
2:	Iliac	22	16	126
3:	L5	7	4	34

	p_val_1_total	p_val_2_total	p_val_1_2
1	1	1	1

Impacts

	Complication	Impact	all_num	all_patients	Iliac_num	Iliac_patients	L5_num
1:	Adverse Event		1	1	1	1	0
2:	Major Complication		31	22	23	17	8
3:	Minor Complication		21	21	20	20	1

	L5_patients	total_all	Iliac	L5	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	160	126	34	1.0000000	1.0000000	1.0000000
2:	5	160	126	34	1.0000000	1.0000000	1.0000000
3:	1	160	126	34	0.6252435	0.1606319	0.08998153

Categories

	Category of the complication	all_num	all_patients	Iliac_num	Iliac_patients
1:	Iatrogenic	2	2	2	2
2:	Infectious complications	2	1	0	0
3:	Mechanical complications	46	38	39	32
4:	Pain	3	3	3	3

	L5_num	L5_patients	total_all	Iliac	L5	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	0	160	126	34	1.0000000	1.0000000	1.0000000
2:	2	1	160	126	34	1.0000000	0.7798848	0.4808048
3:	7	6	160	126	34	0.854741	0.5848890	0.4744482
4:	0	0	160	126	34	1.0000000	0.9685354	0.8446838

Categories Major Complications

	Category of the complication	all_num	all_patients	Iliac_num	Iliac_patients
--	------------------------------	---------	--------------	-----------	----------------

1:		Iatrogenic	2	2	2	2	
2:		Infectious complications	2	1	0	0	
3:		Mechanical complications	25	19	19	14	
4:		Pain	2	2	2	2	
	L5_num	L5_patients	total_all	Iliac L5	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	0	160	126 34	1.0000000	1.0000000	1.0000000
2:	2	1	160	126 34	1.0000000	0.7798848	0.4808048
3:	6	5	160	126 34	0.9885597	0.8661758	0.7823178
4:	0	0	160	126 34	1.0000000	1.0000000	1.0000000

Before 5Y

Reinterventions

	group	reiqs	patients	total
1:	all	122	59	160
2:	Iliac	96	48	126
3:	L5	26	11	34

	p_val_1_total	p_val_2_total	p_val_1_2
1	0.9293637	0.762641	0.677716

Impacts

	Complication	Impact	all_num	all_patients	Iliac_num	Iliac_patients	L5_num
1:		0	1	1	1	1	0
2:	Adverse Event		2	2	1	1	1
3:	Major Complication		140	67	109	54	31
4:	Minor Complication		130	82	113	70	17
	L5_patients	total_all	Iliac L5	p_val_1_total	p_val_2_total	p_val_1_2	
1:	0	160	126 34	1.0000000	1.0000000	1.0000000	
2:	1	160	126 34	1.0000000	1.0000000	0.89620355	
3:	13	160	126 34	0.9630214	0.8416982	0.77266256	
4:	12	160	126 34	0.5451362	0.1331668	0.05688717	

Categories

	Category of the complication	all_num	all_patients	Iliac_num		
1:	Iatrogenic	10	10	7		
2:	Infectious complications	18	15	9		
3:	Mechanical complications	156	92	134		
4:	Other complications	53	32	44		
5:	Pain	10	9	8		
6:	Peripheral neurologic complications	26	23	22		
	Iliac_patients	L5_num	L5_patients	total_all	Iliac L5	p_val_1_total
1:	7	3	3	160	126 34	1.0000000
2:	9	9	6	160	126 34	0.6447080
3:	79	22	13	160	126 34	0.4420898
4:	25	9	7	160	126 34	1.0000000
5:	8	2	1	160	126 34	0.9957840

6:	19	4	4	160	126	34	1.0000000
	p_val_2_total	p_val_1_2					
1:	0.86705428	0.76464060					
2:	0.26873942	0.12521916					
3:	0.06320148	0.01802183					
4:	1.00000000	1.00000000					
5:	0.82920672	0.72934669					
6:	0.89929388	0.83097346					

Categories Major Complications

	Category of the complication	all_num	all_patients	Iliac_num
1:	Iatrogenic	7	7	5
2:	Infectious complications	16	13	8
3:	Mechanical complications	86	51	71
4:	Other complications	17	13	16
5:	Pain	7	6	5
6:	Peripheral neurologic complications	7	7	4

	Iliac_patients	L5_num	L5_patients	total_all	Iliac	L5	p_val_1_total
1:	5	2	2	160	126	34	1.0000000
2:	8	8	5	160	126	34	0.7313907
3:	41	15	10	160	126	34	1.0000000
4:	12	1	1	160	126	34	0.8376059
5:	5	2	1	160	126	34	1.0000000
6:	4	3	3	160	126	34	0.8302407

	p_val_2_total	p_val_1_2
1:	1.0000000	0.9905768
2:	0.3811997	0.2190741
3:	0.9381675	0.8886848
4:	0.4864653	0.3718519
5:	1.0000000	1.0000000
6:	0.5232443	0.3387412