

Pelvis UT vs Pelvis LT

Initial Patients: 372

With Posterior Instrumented Fusion: 348

Posterior Instrumental Fusion is Iliac: 134

- Upper Thoracic (UT): T2-T6-Pelvis
- Lower Thoracic (LT): T7-T12- Iliac

```
thoracic_type  N
1:             LT 88
2:             UT 28
3:             <NA> 18
```

UIV frequencies

```
      uiv  N
1: Iliac  1
2:   L1   8
3:   L2   4
4:   L3   3
5:   L5   2
6:  T10  35
7:  T11  13
8:  T12  18
9:   T2  11
10:  T3   8
11:  T4   7
12:  T5   2
13:  T7   1
14:  T8   7
15:  T9  14
```

P-value ASA 1 UT vs LT

```
      treatment asa_1  N
1:           LT    17 88
2:           UT     1 28
```

[1] 0.08823184

P-value between UT vs LT

Prior Spine Surgery

Values

treatment yes N

1: LT 36 88

2: UT 6 28

P-value: 0.100505840745907

3CO

Values

treatment yes N

1: LT 22 88

2: UT 4 28

P-value: 0.355490787343072

Decompression

Values

treatment yes N

1: LT 22 88

2: UT 3 28

P-value: 0.181088132131636

Interbody Fusion

Values

treatment yes N

1: LT 58 88

2: UT 16 28

P-value: 0.538601376393948

Decompression

Demographics

Age - mean

All

[1] 63.73

UT

[1] 60.96

LT

[1] 65.39

UT vs LT p-value:[1] 0.04294713

Age - sd

All

[1] 10.29

UT

[1] 9.75

LT

[1] 9.92

Gender - table

All

variable

Female	Male
114	20

UT

variable

Female	Male
26	2

LT

variable

Female	Male
74	14

Gender - proportion

All

variable

Female	Male
0.8507463	0.1492537

UT

variable

Female	Male
0.92857143	0.07142857

LT

variable

Female	Male
0.8409091	0.1590909

Prior Spine Surgery - table

All

variable

No	Yes
80	54

UT

variable

No	Yes
22	6

LT

variable

No	Yes
52	36

Prior Spine Surgery - proportion

All

variable

No	Yes
0.5970149	0.4029851

UT

variable

No	Yes
0.7857143	0.2142857

LT

variable

No	Yes
0.5909091	0.4090909

Height (cm)_First Visit - mean

All

[1] 160.77

UT

[1] 158.46

LT

[1] 160.38

UT vs LT p-value:[1] 0.3058912

Height (cm)_First Visit - sd

All

[1] 8.97

UT

[1] 8.6

LT

[1] 8.22

Weight (kgs)_First Visit - mean

All

[1] 66.59

UT

[1] 62.36

LT

[1] 67.06

UT vs LT p-value:[1] 0.02762383

Weight (kgs)_First Visit - sd

All

[1] 11.91

UT

[1] 8.87

LT

[1] 11.5

BMI_First Visit - mean

All

[1] 25.75

UT

[1] 24.93

LT

[1] 26.08

UT vs LT p-value:[1] 0.1734408

BMI_First Visit - sd

All

[1] 3.97

UT

[1] 3.71

LT

[1] 4.14

ASA classification - table

All

variable

1 2 3

23 93 18

UT

variable

1 2 3

1 23 4

LT

variable

1 2 3

17 62 9

ASA classification - proportion

All

variable

1 2 3

0.1716418 0.6940299 0.1343284

UT

variable

1 2 3

0.03571429 0.82142857 0.14285714

LT

variable

1 2 3

0.1931818 0.7045455 0.1022727

Tobacco use_First Visit - table

All

variable

Current Ex Non-User

23 31 80

UT

variable

Current Ex Non-User

5 8 15

LT

variable

Current Ex Non-User

14 18 56

Tobacco use_First Visit - proportion

All

variable

Current	Ex	Non-User
0.1716418	0.2313433	0.5970149

UT

variable

Current	Ex	Non-User
0.1785714	0.2857143	0.5357143

LT

variable

Current	Ex	Non-User
0.1590909	0.2045455	0.6363636

ESSG Diagnosis - table

All

variable

Congenital	Degenerative	Failed-back
3	65	13
Idiopathic	Neuromuscular	Other: spondylolisthesis
43	3	1
Post-traumatic	Scheuermann	Syndromic
4	1	1

UT

variable

Degenerative	Idiopathic	Scheuermann	Syndromic
9	17	1	1

LT

variable

Congenital	Degenerative	Failed-back
3	48	10
Idiopathic	Neuromuscular	Other: spondylolisthesis
20	2	1
Post-traumatic		
4		

ESSG Diagnosis - proportion

All

variable

Congenital	Degenerative	Failed-back
0.022388060	0.485074627	0.097014925
Idiopathic	Neuromuscular	Other: spondylolisthesis
0.320895522	0.022388060	0.007462687
Post-traumatic	Scheuermann	Syndromic
0.029850746	0.007462687	0.007462687

UT

variable

Degenerative	Idiopathic	Scheuermann	Syndromic
0.32142857	0.60714286	0.03571429	0.03571429

LT

variable	Congenital	Degenerative	Failed-back
	0.03409091	0.54545455	0.11363636
	Idiopathic	Neuromuscular	Other: spondylolisthesis
	0.22727273	0.02272727	0.01136364
	Post-traumatic		
	0.04545455		

Surgical Approach - table

All

variable	Anterior-Posterior	Posterior
	2	121
	Posterior-Anterior	Posterior-Posterior-Anterior
	10	1

UT

variable	Anterior-Posterior	Posterior
	1	22
	Posterior-Anterior	Posterior-Posterior-Anterior
	4	1

LT

variable	Anterior-Posterior	Posterior	Posterior-Anterior
	1	81	6

Surgical Approach - proportion

All

variable	Anterior-Posterior	Posterior
	0.014925373	0.902985075
	Posterior-Anterior	Posterior-Posterior-Anterior
	0.074626866	0.007462687

UT

variable	Anterior-Posterior	Posterior
	0.03571429	0.78571429
	Posterior-Anterior	Posterior-Posterior-Anterior
	0.14285714	0.03571429

LT

variable	Anterior-Posterior	Posterior	Posterior-Anterior
	0.01136364	0.92045455	0.06818182

Radiology

Static Major curve Cobb angle - mean

All

[1] 39.33

UT

[1] 52.96

LT
[1] 36.1

UT vs LT p-value:[1] 0.0004160785

Static Major curve Cobb angle - sd
All
[1] 21.39
UT
[1] 20.44
LT
[1] 19.57

6W. Static Major curve Cobb angle - mean
All
[1] 21.54
UT
[1] 27.08
LT
[1] 19.02

UT vs LT p-value:[1] 0.01053276

6W. Static Major curve Cobb angle - sd
All
[1] 15.25
UT
[1] 13.34
LT
[1] 14.1

6M. Static Major curve Cobb angle - mean
All
[1] 20.21
UT
[1] 25.92
LT
[1] 18.26

UT vs LT p-value:[1] 0.006989493

6M. Static Major curve Cobb angle - sd
All
[1] 15.84
UT
[1] 10.45
LT

[1] 15.88

1Y. Static Major curve Cobb angle - mean

All

[1] 18.72

UT

[1] 25.23

LT

[1] 16

UT vs LT p-value:[1] 0.001728984

1Y. Static Major curve Cobb angle - sd

All

[1] 15.05

UT

[1] 11.93

LT

[1] 13.51

2Y. Static Major curve Cobb angle - mean

All

[1] 18.53

UT

[1] 24.2

LT

[1] 15.63

UT vs LT p-value:[1] 0.006279107

2Y. Static Major curve Cobb angle - sd

All

[1] 14.08

UT

[1] 13.99

LT

[1] 10.62

5Y. Static Major curve Cobb angle - mean

All

[1] 21

UT

[1] 24.95

LT

[1] 19.74

UT vs LT p-value:[1] 0.1741924

5Y. Static Major curve Cobb angle - sd

All

[1] 14.66

UT

[1] 13.02

LT

[1] 15.27

Static Major curve Cobb angle tests all

Preop vs 6w p-value

1.151766e-12

Preop vs 2y p-value

8.671057e-17

Preop vs 5y p-value

4.326229e-11

6w vs 2y p-value

0.1171427

2y vs 5y p-value

0.2674977

6w vs 5y p-value

0.8108428

Static Major curve Cobb angle tests UT

Preop vs 6w p-value

1.18949e-06

Preop vs 2y p-value

1.744657e-07

Preop vs 5y p-value

7.792054e-07

6w vs 2y p-value

0.4419127

2y vs 5y p-value

0.8523635

6w vs 5y p-value

0.5916367

Static Major curve Cobb angle tests LT

Preop vs 6w p-value

2.258326e-09

Preop vs 2y p-value
1.377424e-13

Preop vs 5y p-value
9.672582e-07

6w vs 2y p-value
0.09571487

2y vs 5y p-value
0.1199411

6w vs 5y p-value
0.7991171

Coronal Balance (C7PL to CSVL) - mean
All
[1] 28.49
UT
[1] 34.48
LT
[1] 28.39

UT vs LT p-value:[1] 0.2859805

Coronal Balance (C7PL to CSVL) - sd
All
[1] 24.46
UT
[1] 25.35
LT
[1] 24.72

6W. Coronal Balance (C7PL to CSVL) - mean
All
[1] 20.86
UT
[1] 21.69
LT
[1] 21.49

UT vs LT p-value:[1] 0.9534163

6W. Coronal Balance (C7PL to CSVL) - sd
All
[1] 15.35
UT
[1] 15.34
LT

[1] 15.8

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

All

[1] 22.34

UT

[1] 21.91

LT

[1] 23.68

UT vs LT p-value:[1] 0.6654379

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

All

[1] 16.89

UT

[1] 17.97

LT

[1] 16.88

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

All

[1] 20.98

UT

[1] 21.43

LT

[1] 21.99

UT vs LT p-value:[1] 0.8863372

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

All

[1] 16.07

UT

[1] 16.73

LT

[1] 16.55

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

All

[1] 21.75

UT

[1] 22.47

LT

[1] 21.99

UT vs LT p-value:[1] 0.9098506

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

All

[1] 18.23

UT

[1] 18.39

LT

[1] 18.11

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

All

[1] 25.42

UT

[1] 25.32

LT

[1] 26.46

UT vs LT p-value:[1] 0.836756

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

All

[1] 20.45

UT

[1] 18.65

LT

[1] 21.85

Coronal Balance (C7PL to CSVL) tests all

Preop vs 6w p-value

0.003060812

Preop vs 2y p-value

0.01432238

Preop vs 5y p-value

0.3517997

6w vs 2y p-value

0.6877176

2y vs 5y p-value

0.2263993

6w vs 5y p-value

0.1133042

Coronal Balance (C7PL to CSVL) tests UT

Preop vs 6w p-value
0.0333438

Preop vs 2y p-value
0.0581975

Preop vs 5y p-value
0.1747362

6w vs 2y p-value
0.8703819

2y vs 5y p-value
0.6216213

6w vs 5y p-value
0.5002307

Coronal Balance (C7PL to CSVL) tests LT
Preop vs 6w p-value
0.03141798

Preop vs 2y p-value
0.05966597

Preop vs 5y p-value
0.6460202

6w vs 2y p-value
0.8543034

2y vs 5y p-value
0.2515729

6w vs 5y p-value
0.1833317

Sagittal Balance - mean

All

[1] 80.42

UT

[1] 71.92

LT

[1] 82.23

UT vs LT p-value:[1] 0.4305199

Sagittal Balance - sd

All

[1] 62.86

UT

[1] 53.78

LT

[1] 67.14

6W. Sagittal Balance - mean

All

[1] 26.18

UT

[1] 15.2

LT

[1] 27.78

UT vs LT p-value:[1] 0.120815

6W. Sagittal Balance - sd

All

[1] 34.18

UT

[1] 34.4

LT

[1] 35.74

6M. Sagittal Balance - mean

All

[1] 22.61

UT

[1] 4.74

LT

[1] 29.88

UT vs LT p-value:[1] 0.008062488

6M. Sagittal Balance - sd

All

[1] 41.28

UT

[1] 39.28

LT

[1] 39.36

1Y. Sagittal Balance - mean

All

[1] 31.69

UT

[1] 19.87

LT

[1] 35.94

UT vs LT p-value:[1] 0.164856

1Y. Sagittal Balance - sd

All

[1] 48.11

UT

[1] 50.66

LT

[1] 48.78

2Y. Sagittal Balance - mean

All

[1] 41.77

UT

[1] 28.98

LT

[1] 45.55

UT vs LT p-value:[1] 0.1567454

2Y. Sagittal Balance - sd

All

[1] 47.29

UT

[1] 50.88

LT

[1] 45.49

5Y. Sagittal Balance - mean

All

[1] 47.77

UT

[1] 33.21

LT

[1] 55.87

UT vs LT p-value:[1] 0.1288258

5Y. Sagittal Balance - sd

All

[1] 53.07

UT

[1] 53.17

LT

[1] 53.3

Sagittal Balance tests all
Preop vs 6w p-value
3.105499e-15

Preop vs 2y p-value
1.315205e-07

Preop vs 5y p-value
0.0001733978

6w vs 2y p-value
0.004450738

2y vs 5y p-value
0.4445516

6w vs 5y p-value
0.003187024

Sagittal Balance tests UT
Preop vs 6w p-value
6.644975e-05

Preop vs 2y p-value
0.005615203

Preop vs 5y p-value
0.02226426

6w vs 2y p-value
0.2684233

2y vs 5y p-value
0.791251

6w vs 5y p-value
0.2085758

Sagittal Balance tests LT
Preop vs 6w p-value
9.537461e-10

Preop vs 2y p-value
6.963742e-05

Preop vs 5y p-value
0.01578677

6w vs 2y p-value
0.008114182

2y vs 5y p-value
0.2825234

6w vs 5y p-value
0.002359206

Sagittal T2-T5 - mean

All

[1] 9.88

UT

[1] 10.02

LT

[1] 9.83

UT vs LT p-value:[1] 0.9356263

Sagittal T2-T5 - sd

All

[1] 8.48

UT

[1] 11.5

LT

[1] 7.6

6W. Sagittal T2-T5 - mean

All

[1] 13.72

UT

[1] 17.9

LT

[1] 12.35

UT vs LT p-value:[1] 0.00659933

6W. Sagittal T2-T5 - sd

All

[1] 8.72

UT

[1] 8.73

LT

[1] 8.72

6M. Sagittal T2-T5 - mean

All

[1] 13.06

UT

[1] 20.64

LT

[1] 10.92

UT vs LT p-value:[1] 0.000171518

6M. Sagittal T2-T5 - sd

All

[1] 9.5

UT

[1] 10.53

LT

[1] 8.47

1Y. Sagittal T2-T5 - mean

All

[1] 13.17

UT

[1] 21.46

LT

[1] 10.45

UT vs LT p-value:[1] 0.0002741557

1Y. Sagittal T2-T5 - sd

All

[1] 10.21

UT

[1] 12.93

LT

[1] 7.9

2Y. Sagittal T2-T5 - mean

All

[1] 13.69

UT

[1] 22.68

LT

[1] 10.97

UT vs LT p-value:[1] 6.290939e-05

2Y. Sagittal T2-T5 - sd

All

[1] 10.26

UT

[1] 11.8

LT

[1] 8.24

5Y. Sagittal T2-T5 - mean

All

[1] 16.7

UT

[1] 24.89

LT

[1] 13.25

UT vs LT p-value:[1] 0.008589489

5Y. Sagittal T2-T5 - sd

All

[1] 12.78

UT

[1] 16.54

LT

[1] 9.6

Sagittal T2-T5 tests all

Preop vs 6w p-value

0.0005578936

Preop vs 2y p-value

0.002088157

Preop vs 5y p-value

0.0001421992

6w vs 2y p-value

0.9786831

2y vs 5y p-value

0.1006742

6w vs 5y p-value

0.08985838

Sagittal T2-T5 tests UT

Preop vs 6w p-value

0.007385498

Preop vs 2y p-value

0.0003160775

Preop vs 5y p-value

0.002078364

6w vs 2y p-value

0.1062198

2y vs 5y p-value
0.624251

6w vs 5y p-value
0.1045839

Sagittal T2-T5 tests LT
Preop vs 6w p-value
0.0531028

Preop vs 2y p-value
0.3701078

Preop vs 5y p-value
0.04233767

6w vs 2y p-value
0.3173948

2y vs 5y p-value
0.1890382

6w vs 5y p-value
0.6059194

Sagittal T5-T12 - mean
All
[1] 29.15
UT
[1] 41.5
LT
[1] 27.07

UT vs LT p-value:[1] 0.001942375

Sagittal T5-T12 - sd
All
[1] 17.77
UT
[1] 20.77
LT
[1] 14.75

6W. Sagittal T5-T12 - mean
All
[1] 35.21
UT
[1] 33.69
LT
[1] 37.33

UT vs LT p-value:[1] 0.1527764

6W. Sagittal T5-T12 - sd

All

[1] 13.84

UT

[1] 10.49

LT

[1] 13.58

6M. Sagittal T5-T12 - mean

All

[1] 37.69

UT

[1] 32.67

LT

[1] 40.73

UT vs LT p-value:[1] 0.00447505

6M. Sagittal T5-T12 - sd

All

[1] 13.71

UT

[1] 11.31

LT

[1] 13.4

1Y. Sagittal T5-T12 - mean

All

[1] 37.89

UT

[1] 33.83

LT

[1] 41.81

UT vs LT p-value:[1] 0.003571498

1Y. Sagittal T5-T12 - sd

All

[1] 13.6

UT

[1] 11.2

LT

[1] 12.44

2Y. Sagittal T5-T12 - mean

All

[1] 38.81

UT

[1] 35.22

LT

[1] 42.53

UT vs LT p-value:[1] 0.01072185

2Y. Sagittal T5-T12 - sd

All

[1] 14.24

UT

[1] 11.31

LT

[1] 13.6

5Y. Sagittal T5-T12 - mean

All

[1] 42.88

UT

[1] 35.42

LT

[1] 47.33

UT vs LT p-value:[1] 0.006292739

5Y. Sagittal T5-T12 - sd

All

[1] 16.15

UT

[1] 15.07

LT

[1] 14.57

Sagittal T5-T12 tests all

Preop vs 6w p-value

0.002492656

Preop vs 2y p-value

3.822721e-06

Preop vs 5y p-value

1.665164e-07

6w vs 2y p-value

0.04786855

2y vs 5y p-value
0.08775496

6w vs 5y p-value
0.001204054

Sagittal T5-T12 tests UT
Preop vs 6w p-value
0.08933467

Preop vs 2y p-value
0.1793944

Preop vs 5y p-value
0.2561773

6w vs 2y p-value
0.6156019

2y vs 5y p-value
0.9629512

6w vs 5y p-value
0.6696198

Sagittal T5-T12 tests LT
Preop vs 6w p-value
5.279388e-06

Preop vs 2y p-value
1.084441e-10

Preop vs 5y p-value
3.718068e-11

6w vs 2y p-value
0.01758205

2y vs 5y p-value
0.07630014

6w vs 5y p-value
0.0002731379

Sagittal T2-T12 - mean
All
[1] 35.22
UT
[1] 46.64
LT
[1] 32.94

UT vs LT p-value:[1] 0.003279118

Sagittal T2-T12 - sd

All

[1] 18.05

UT

[1] 20.78

LT

[1] 15.9

6W. Sagittal T2-T12 - mean

All

[1] 44.77

UT

[1] 45.85

LT

[1] 45.86

UT vs LT p-value:[1] 0.9963678

6W. Sagittal T2-T12 - sd

All

[1] 14.44

UT

[1] 13.11

LT

[1] 13.62

6M. Sagittal T2-T12 - mean

All

[1] 48.38

UT

[1] 51.27

LT

[1] 49.26

UT vs LT p-value:[1] 0.5771984

6M. Sagittal T2-T12 - sd

All

[1] 15.25

UT

[1] 16.03

LT

[1] 14.38

1Y. Sagittal T2-T12 - mean

All

[1] 47.82

UT

[1] 51.9

LT

[1] 49.1

UT vs LT p-value:[1] 0.4320431

1Y. Sagittal T2-T12 - sd

All

[1] 15.18

UT

[1] 16.18

LT

[1] 13.76

2Y. Sagittal T2-T12 - mean

All

[1] 47.67

UT

[1] 53.06

LT

[1] 48.33

UT vs LT p-value:[1] 0.209763

2Y. Sagittal T2-T12 - sd

All

[1] 16.3

UT

[1] 16.79

LT

[1] 14.9

5Y. Sagittal T2-T12 - mean

All

[1] 53.27

UT

[1] 54.52

LT

[1] 53.82

UT vs LT p-value:[1] 0.8879055

5Y. Sagittal T2-T12 - sd
All
[1] 16.97
UT
[1] 18.88
LT
[1] 15.85

Sagittal T2-T12 tests all
Preop vs 6w p-value
4.422467e-06

Preop vs 2y p-value
3.302942e-08

Preop vs 5y p-value
1.063313e-10

6w vs 2y p-value
0.146034

2y vs 5y p-value
0.03006078

6w vs 5y p-value
0.0006541637

Sagittal T2-T12 tests UT
Preop vs 6w p-value
0.8674158

Preop vs 2y p-value
0.2206101

Preop vs 5y p-value
0.1885826

6w vs 2y p-value
0.08635265

2y vs 5y p-value
0.7907104

6w vs 5y p-value
0.09259087

Sagittal T2-T12 tests LT
Preop vs 6w p-value
6.30192e-08

Preop vs 2y p-value
2.134456e-09

Preop vs 5y p-value
2.143305e-10

6w vs 2y p-value
0.2834428

2y vs 5y p-value
0.06370308

6w vs 5y p-value
0.005795335

Lordosis (top of L1-S1) - mean
All
[1] -33.34
UT
[1] -39.69
LT
[1] -32.5

UT vs LT p-value:[1] 0.07012955

Lordosis (top of L1-S1) - sd
All
[1] 18.47
UT
[1] 17.43
LT
[1] 18.18

6W. Lordosis (top of L1-S1) - mean
All
[1] -53.19
UT
[1] -53.05
LT
[1] -54.67

UT vs LT p-value:[1] 0.5816813

6W. Lordosis (top of L1-S1) - sd
All
[1] 13.74
UT
[1] 13.04
LT
[1] 13.6

6M. Lordosis (top of L1-S1) - mean
All
[1] -51.8
UT
[1] -50.86
LT
[1] -53.74

UT vs LT p-value:[1] 0.2514692

6M. Lordosis (top of L1-S1) - sd
All
[1] 13.26
UT
[1] 10.32
LT
[1] 12.51

1Y. Lordosis (top of L1-S1) - mean
All
[1] -50.21
UT
[1] -50.42
LT
[1] -51.61

UT vs LT p-value:[1] 0.6657483

1Y. Lordosis (top of L1-S1) - sd
All
[1] 13.39
UT
[1] 11.86
LT
[1] 13.03

2Y. Lordosis (top of L1-S1) - mean
All
[1] -49.82
UT
[1] -49.41
LT
[1] -51.72

UT vs LT p-value:[1] 0.4030065

2Y. Lordosis (top of L1-S1) - sd
All
[1] 13.72
UT
[1] 11.73
LT
[1] 12.98

5Y. Lordosis (top of L1-S1) - mean
All
[1] -50.31
UT
[1] -48.32
LT
[1] -52.06

UT vs LT p-value:[1] 0.2917341

5Y. Lordosis (top of L1-S1) - sd
All
[1] 13.42
UT
[1] 12.64
LT
[1] 13.27

Lordosis (top of L1-S1) tests all
Preop vs 6w p-value
1.606492e-19

Preop vs 2y p-value
3.105112e-14

Preop vs 5y p-value
3.672314e-12

6w vs 2y p-value
0.05570628

2y vs 5y p-value
0.8104892

6w vs 5y p-value
0.1567381

Lordosis (top of L1-S1) tests UT
Preop vs 6w p-value
0.002497992

Preop vs 2y p-value
0.02093101

Preop vs 5y p-value
0.05800589

6w vs 2y p-value
0.2903952

2y vs 5y p-value
0.7684313

6w vs 5y p-value
0.2241984

Lordosis (top of L1-S1) tests LT
Preop vs 6w p-value
3.692027e-16

Preop vs 2y p-value
4.976514e-13

Preop vs 5y p-value
9.93738e-11

6w vs 2y p-value
0.161436

2y vs 5y p-value
0.8904851

6w vs 5y p-value
0.2907233

Pelvic Incidence - mean
All
[1] 57.33
UT
[1] 54.02
LT
[1] 58.56

UT vs LT p-value:[1] 0.106867

Pelvic Incidence - sd
All
[1] 12.93
UT
[1] 12.33
LT
[1] 13.3

6W. Pelvic Incidence - mean

All

[1] 57.51

UT

[1] 53.13

LT

[1] 58.98

UT vs LT p-value:[1] 0.040185

6W. Pelvic Incidence - sd

All

[1] 12.73

UT

[1] 12.37

LT

[1] 12.9

6M. Pelvic Incidence - mean

All

[1] 57.44

UT

[1] 53.54

LT

[1] 58.84

UT vs LT p-value:[1] 0.06714908

6M. Pelvic Incidence - sd

All

[1] 12.77

UT

[1] 12.23

LT

[1] 12.9

1Y. Pelvic Incidence - mean

All

[1] 56.98

UT

[1] 53.83

LT

[1] 58.12

UT vs LT p-value:[1] 0.1374643

1Y. Pelvic Incidence - sd

All

[1] 12.63

UT

[1] 12.47

LT

[1] 12.8

2Y. Pelvic Incidence - mean

All

[1] 56.87

UT

[1] 52.89

LT

[1] 58.33

UT vs LT p-value:[1] 0.05686181

2Y. Pelvic Incidence - sd

All

[1] 12.65

UT

[1] 12.08

LT

[1] 12.94

5Y. Pelvic Incidence - mean

All

[1] 57.15

UT

[1] 54.52

LT

[1] 58.8

UT vs LT p-value:[1] 0.1946151

5Y. Pelvic Incidence - sd

All

[1] 12.37

UT

[1] 11.56

LT

[1] 12.65

Pelvic Incidence tests all

Preop vs 6w p-value

0.9118388

Preop vs 2y p-value
0.7749771

Preop vs 5y p-value
0.9214629

6w vs 2y p-value
0.6942759

2y vs 5y p-value
0.8833555

6w vs 5y p-value
0.8474302

Pelvic Incidence tests UT
Preop vs 6w p-value
0.7923856

Preop vs 2y p-value
0.7380676

Preop vs 5y p-value
0.8886549

6w vs 2y p-value
0.9437257

2y vs 5y p-value
0.6493242

6w vs 5y p-value
0.6983424

Pelvic Incidence tests LT
Preop vs 6w p-value
0.8374468

Preop vs 2y p-value
0.909038

Preop vs 5y p-value
0.9194975

6w vs 2y p-value
0.7519564

2y vs 5y p-value
0.8430841

6w vs 5y p-value
0.9407994

Pelvic Tilt - mean

All

[1] 28.14

UT

[1] 26.84

LT

[1] 28.57

UT vs LT p-value:[1] 0.4567529

Pelvic Tilt - sd

All

[1] 9.5

UT

[1] 10.99

LT

[1] 8.37

6W. Pelvic Tilt - mean

All

[1] 20.34

UT

[1] 16.72

LT

[1] 21.11

UT vs LT p-value:[1] 0.04629138

6W. Pelvic Tilt - sd

All

[1] 9.17

UT

[1] 9.9

LT

[1] 8.82

6M. Pelvic Tilt - mean

All

[1] 23.21

UT

[1] 20.64

LT

[1] 23.73

UT vs LT p-value:[1] 0.1336049

6M. Pelvic Tilt - sd

All

[1] 8.72

UT

[1] 9.12

LT

[1] 7.81

1Y. Pelvic Tilt - mean

All

[1] 23.64

UT

[1] 20.98

LT

[1] 24.6

UT vs LT p-value:[1] 0.1267194

1Y. Pelvic Tilt - sd

All

[1] 9.4

UT

[1] 10.79

LT

[1] 8.37

2Y. Pelvic Tilt - mean

All

[1] 23.31

UT

[1] 21.29

LT

[1] 24.03

UT vs LT p-value:[1] 0.1793761

2Y. Pelvic Tilt - sd

All

[1] 8.14

UT

[1] 9.01

LT

[1] 7.6

5Y. Pelvic Tilt - mean

All

[1] 24.81
UT
[1] 23.42
LT
[1] 25.52

UT vs LT p-value:[1] 0.3873846

5Y. Pelvic Tilt - sd
All
[1] 8.54
UT
[1] 8.92
LT
[1] 8.58

Pelvic Tilt tests all
Preop vs 6w p-value
1.145462e-10

Preop vs 2y p-value
2.120399e-05

Preop vs 5y p-value
0.0124794

6w vs 2y p-value
0.007831914

2y vs 5y p-value
0.2408959

6w vs 5y p-value
0.0008481963

Pelvic Tilt tests UT
Preop vs 6w p-value
0.000812658

Preop vs 2y p-value
0.05127784

Preop vs 5y p-value
0.2505956

6w vs 2y p-value
0.08696169

2y vs 5y p-value
0.4407094

6w vs 5y p-value
0.02112915

Pelvic Tilt tests LT
Preop vs 6w p-value
6.145562e-08

Preop vs 2y p-value
0.0003325821

Preop vs 5y p-value
0.05202106

6w vs 2y p-value
0.02556385

2y vs 5y p-value
0.3307422

6w vs 5y p-value
0.006683947

Sacral Slope - mean
All
[1] 29.17
UT
[1] 27.17
LT
[1] 29.96

UT vs LT p-value:[1] 0.3127967

Sacral Slope - sd
All
[1] 11.8
UT
[1] 12.71
LT
[1] 11.25

6W. Sacral Slope - mean
All
[1] 37.17
UT
[1] 36.41
LT
[1] 37.93

UT vs LT p-value:[1] 0.5110775

6W. Sacral Slope - sd

All

[1] 10.83

UT

[1] 9.99

LT

[1] 11.35

6M. Sacral Slope - mean

All

[1] 34.2

UT

[1] 32.86

LT

[1] 35.11

UT vs LT p-value:[1] 0.334128

6M. Sacral Slope - sd

All

[1] 10.56

UT

[1] 10

LT

[1] 10.32

1Y. Sacral Slope - mean

All

[1] 33.31

UT

[1] 32.81

LT

[1] 33.48

UT vs LT p-value:[1] 0.7626933

1Y. Sacral Slope - sd

All

[1] 9.57

UT

[1] 9.81

LT

[1] 9.65

2Y. Sacral Slope - mean

All

```
[1] 33.8
UT
[1] 32.53
LT
[1] 34.34
```

```
UT vs LT p-value:[1] 0.4250854
```

```
2Y. Sacral Slope - sd
All
[1] 10
UT
[1] 9.83
LT
[1] 10.23
```

```
5Y. Sacral Slope - mean
All
[1] 32.34
UT
[1] 31.1
LT
[1] 33.28
```

```
UT vs LT p-value:[1] 0.355283
```

```
5Y. Sacral Slope - sd
All
[1] 9.23
UT
[1] 8.07
LT
[1] 9.53
```

```
Sacral Slope tests all
Preop vs 6w p-value
3.457491e-08
```

```
Preop vs 2y p-value
0.0008739056
```

```
Preop vs 5y p-value
0.03739082
```

```
6w vs 2y p-value
0.01189328
```

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


0.3129219

6w vs 5y p-value
0.001261725

Sacral Slope tests UT
Preop vs 6w p-value
0.004604006

Preop vs 2y p-value
0.09182575

Preop vs 5y p-value
0.2070252

6w vs 2y p-value
0.1602135

2y vs 5y p-value
0.5962049

6w vs 5y p-value
0.0531146

Sacral Slope tests LT
Preop vs 6w p-value
7.99437e-06

Preop vs 2y p-value
0.009404931

Preop vs 5y p-value
0.07532591

6w vs 2y p-value
0.03654749

2y vs 5y p-value
0.5599778

6w vs 5y p-value
0.01478401

RLL - mean

All

[1] -31.21

UT

[1] -22.8

LT

[1] -32.81

UT vs LT p-value:[1] 0.005751802

```
RLL - sd
All
[1] 17
UT
[1] 15.39
LT
[1] 16.68
```

```
6W. RLL - mean
All
[1] -11.43
UT
[1] -8.89
LT
[1] -10.83
```

```
UT vs LT p-value:[1] 0.4719321
```

```
6W. RLL - sd
All
[1] 11.96
UT
[1] 12.28
LT
[1] 11.34
```

```
6M. RLL - mean
All
[1] -12.81
UT
[1] -11.33
LT
[1] -11.75
```

```
UT vs LT p-value:[1] 0.8584863
```

```
6M. RLL - sd
All
[1] 11.6
UT
[1] 10.22
LT
[1] 10.18
```

```
1Y. RLL - mean
All
```

```
[1] -14.12
UT
[1] -11.96
LT
[1] -13.42
```

```
UT vs LT p-value:[1] 0.5797712
```

```
1Y. RLL - sd
All
[1] 12.3
UT
[1] 11.73
LT
[1] 11.36
```

```
2Y. RLL - mean
All
[1] -14.36
UT
[1] -12.38
LT
[1] -13.33
```

```
UT vs LT p-value:[1] 0.7106094
```

```
2Y. RLL - sd
All
[1] 11.97
UT
[1] 11.5
LT
[1] 10.59
```

```
5Y. RLL - mean
All
[1] -14.12
UT
[1] -14.49
LT
[1] -13.4
```

```
UT vs LT p-value:[1] 0.741183
```

```
5Y. RLL - sd
All
[1] 11.75
```

UT
[1] 12.17
LT
[1] 11.52

RLL tests all
Preop vs 6w p-value
1.275195e-22

Preop vs 2y p-value
2.62431e-17

Preop vs 5y p-value
1.461175e-14

6w vs 2y p-value
0.05681475

2y vs 5y p-value
0.8935707

6w vs 5y p-value
0.1304363

RLL tests UT
Preop vs 6w p-value
0.000590275

Preop vs 2y p-value
0.007327632

Preop vs 5y p-value
0.04717794

6w vs 2y p-value
0.2904524

2y vs 5y p-value
0.560333

6w vs 5y p-value
0.1340291

RLL tests LT
Preop vs 6w p-value
8.487873e-19

Preop vs 2y p-value
6.571176e-16

Preop vs 5y p-value
1.439153e-12

6w vs 2y p-value
0.1502907

2y vs 5y p-value
0.9754815

6w vs 5y p-value
0.2255219

Global Tilt - mean

All

[1] 37.42

UT

[1] 34.57

LT

[1] 38.41

UT vs LT p-value:[1] 0.3080907

Global Tilt - sd

All

[1] 15.66

UT

[1] 17.31

LT

[1] 15.44

6W. Global Tilt - mean

All

[1] 21.56

UT

[1] 15.92

LT

[1] 22.58

UT vs LT p-value:[1] 0.01136033

6W. Global Tilt - sd

All

[1] 10.83

UT

[1] 11.02

LT

[1] 10.65

6M. Global Tilt - mean

All

```
[1] 24.5
UT
[1] 19.09
LT
[1] 25.62
```

```
UT vs LT p-value:[1] 0.02575126
```

```
6M. Global Tilt - sd
All
[1] 11.97
UT
[1] 12.31
LT
[1] 11.32
```

```
1Y. Global Tilt - mean
All
[1] 25.86
UT
[1] 20.62
LT
[1] 27.65
```

```
UT vs LT p-value:[1] 0.02357315
```

```
1Y. Global Tilt - sd
All
[1] 13.01
UT
[1] 13.11
LT
[1] 12.67
```

```
2Y. Global Tilt - mean
All
[1] 27.44
UT
[1] 23.53
LT
[1] 28.6
```

```
UT vs LT p-value:[1] 0.1290605
```

```
2Y. Global Tilt - sd
All
[1] 12.01
```

UT
[1] 14.2
LT
[1] 11.56

5Y. Global Tilt - mean

All
[1] 29.59
UT
[1] 26.62
LT
[1] 31.26

UT vs LT p-value:[1] 0.2552254

5Y. Global Tilt - sd

All
[1] 14.34
UT
[1] 14.73
LT
[1] 14.58

Global Tilt tests all

Preop vs 6w p-value
4.272585e-18

Preop vs 2y p-value
5.125482e-08

Preop vs 5y p-value
0.0004999244

6w vs 2y p-value
0.0001208684

2y vs 5y p-value
0.3002192

6w vs 5y p-value
9.829168e-05

Global Tilt tests UT

Preop vs 6w p-value
2.814701e-05

Preop vs 2y p-value
0.01692403

Preop vs 5y p-value
0.1014097

6w vs 2y p-value
0.04554696

2y vs 5y p-value
0.4964784

6w vs 5y p-value
0.01233339

Global Tilt tests LT
Preop vs 6w p-value
1.100306e-12

Preop vs 2y p-value
8.16903e-06

Preop vs 5y p-value
0.009787351

6w vs 2y p-value
0.0009737975

2y vs 5y p-value
0.2966465

6w vs 5y p-value
0.0007226073

T1 Sagittal Tilt - mean
All
[1] 0.9
UT
[1] 0.37
LT
[1] 1.02

UT vs LT p-value:[1] 0.6531528

T1 Sagittal Tilt - sd
All
[1] 6.9
UT
[1] 5.72
LT
[1] 7.52

6W. T1 Sagittal Tilt - mean
All

[1] -3.54
UT
[1] -3.96
LT
[1] -3.63

UT vs LT p-value:[1] 0.7311998

6W. T1 Sagittal Tilt - sd
All
[1] 4.07
UT
[1] 4.31
LT
[1] 3.94

6M. T1 Sagittal Tilt - mean
All
[1] -4.06
UT
[1] -6.26
LT
[1] -3.51

UT vs LT p-value:[1] 0.008491395

6M. T1 Sagittal Tilt - sd
All
[1] 4.35
UT
[1] 4.18
LT
[1] 4.15

1Y. T1 Sagittal Tilt - mean
All
[1] -3.73
UT
[1] -5.82
LT
[1] -3.16

UT vs LT p-value:[1] 0.04198134

1Y. T1 Sagittal Tilt - sd
All
[1] 5.26

UT
[1] 5.25
LT
[1] 5.38

2Y. T1 Sagittal Tilt - mean
All
[1] -2.81
UT
[1] -4.23
LT
[1] -2.41

UT vs LT p-value:[1] 0.1059311

2Y. T1 Sagittal Tilt - sd
All
[1] 4.72
UT
[1] 4.5
LT
[1] 4.75

5Y. T1 Sagittal Tilt - mean
All
[1] -1.77
UT
[1] -2.83
LT
[1] -1.09

UT vs LT p-value:[1] 0.2644677

5Y. T1 Sagittal Tilt - sd
All
[1] 6.1
UT
[1] 5.22
LT
[1] 6.52

T1 Sagittal Tilt tests all
Preop vs 6w p-value
1.393605e-08

Preop vs 2y p-value

4.2005e-06

Preop vs 5y p-value
0.006783126

6w vs 2y p-value
0.230332

2y vs 5y p-value
0.2321972

6w vs 5y p-value
0.03628728

T1 Sagittal Tilt tests UT
Preop vs 6w p-value
0.004457637

Preop vs 2y p-value
0.003719552

Preop vs 5y p-value
0.06336743

6w vs 2y p-value
0.834563

2y vs 5y p-value
0.3635138

6w vs 5y p-value
0.4439481

T1 Sagittal Tilt tests LT
Preop vs 6w p-value
6.568103e-06

Preop vs 2y p-value
0.00118199

Preop vs 5y p-value
0.10442

6w vs 2y p-value
0.1037789

2y vs 5y p-value
0.2416944

6w vs 5y p-value
0.02081587

Thoracolumbar L2-T10 - mean
All

[1] 10.09
UT
[1] 22.05
LT
[1] 7.2

UT vs LT p-value:[1] 0.001204606

Thoracolumbar L2-T10 - sd
All
[1] 19.92
UT
[1] 19.07
LT
[1] 18.99

6W. Thoracolumbar L2-T10 - mean
All
[1] 7.5
UT
[1] 7.18
LT
[1] 7.27

UT vs LT p-value:[1] 0.9705336

6W. Thoracolumbar L2-T10 - sd
All
[1] 10.58
UT
[1] 11.06
LT
[1] 9.34

6M. Thoracolumbar L2-T10 - mean
All
[1] 7.8
UT
[1] 5.45
LT
[1] 9.27

UT vs LT p-value:[1] 0.08557813

6M. Thoracolumbar L2-T10 - sd
All
[1] 10.18

UT
[1] 9.4
LT
[1] 9.63

1Y. Thoracolumbar L2-T10 - mean
All
[1] 7.45
UT
[1] 5.51
LT
[1] 8.78

UT vs LT p-value:[1] 0.2072704

1Y. Thoracolumbar L2-T10 - sd
All
[1] 10.89
UT
[1] 11.66
LT
[1] 9.88

2Y. Thoracolumbar L2-T10 - mean
All
[1] 7.41
UT
[1] 5.41
LT
[1] 9.06

UT vs LT p-value:[1] 0.1844053

2Y. Thoracolumbar L2-T10 - sd
All
[1] 12.8
UT
[1] 11.48
LT
[1] 13.12

5Y. Thoracolumbar L2-T10 - mean
All
[1] 7.89
UT
[1] 0.38

LT
[1] 11.34

UT vs LT p-value:[1] 0.001207391

5Y. Thoracolumbar L2-T10 - sd
All
[1] 14.58
UT
[1] 9.72
LT
[1] 15.39

Thoracolumbar L2-T10 tests all
Preop vs 6w p-value
0.1975031

Preop vs 2y p-value
0.2075124

Preop vs 5y p-value
0.378653

6w vs 2y p-value
0.9538072

2y vs 5y p-value
0.820896

6w vs 5y p-value
0.8451113

Thoracolumbar L2-T10 tests UT
Preop vs 6w p-value
0.001323144

Preop vs 2y p-value
0.0004557858

Preop vs 5y p-value
1.345151e-05

6w vs 2y p-value
0.569714

2y vs 5y p-value
0.1198425

6w vs 5y p-value
0.03285922

Thoracolumbar L2-T10 tests LT
Preop vs 6w p-value
0.9752786

Preop vs 2y p-value
0.467201

Preop vs 5y p-value
0.1826316

6w vs 2y p-value
0.3338705

2y vs 5y p-value
0.4110482

6w vs 5y p-value
0.1126548

RSA - mean
All
[1] 24.9
UT
[1] 23.64
LT
[1] 25.3

UT vs LT p-value:[1] 0.6402888

RSA - sd
All
[1] 14.1
UT
[1] 16.74
LT
[1] 13.36

6W. RSA - mean
All
[1] 8.86
UT
[1] 5.47
LT
[1] 9.13

UT vs LT p-value:[1] 0.0587347

6W. RSA - sd
All
[1] 8.38

```
UT
[1] 8.13
LT
[1] 8.45
```

6M. RSA - mean

```
All
[1] 11.92
UT
[1] 8.43
LT
[1] 12.37
```

UT vs LT p-value:[1] 0.07130209

6M. RSA - sd

```
All
[1] 9.38
UT
[1] 9.24
LT
[1] 8.95
```

1Y. RSA - mean

```
All
[1] 13.47
UT
[1] 9.81
LT
[1] 14.7
```

UT vs LT p-value:[1] 0.03629373

1Y. RSA - sd

```
All
[1] 10
UT
[1] 9.82
LT
[1] 9.94
```

2Y. RSA - mean

```
All
[1] 15.04
UT
[1] 12.8
```


LT
[1] 15.59

UT vs LT p-value:[1] 0.2903962

2Y. RSA - sd
All
[1] 9.5
UT
[1] 11.34
LT
[1] 9.19

5Y. RSA - mean
All
[1] 17.16
UT
[1] 15.45
LT
[1] 18.03

UT vs LT p-value:[1] 0.4289167

5Y. RSA - sd
All
[1] 11.56
UT
[1] 11.86
LT
[1] 11.74

RSA tests all
Preop vs 6w p-value
5.407071e-23

Preop vs 2y p-value
5.282738e-10

Preop vs 5y p-value
4.842609e-05

6w vs 2y p-value
3.426983e-07

2y vs 5y p-value
0.2042676

6w vs 5y p-value

8.1873e-07

RSA tests UT

Preop vs 6w p-value

1.173725e-05

Preop vs 2y p-value

0.009373224

Preop vs 5y p-value

0.05851155

6w vs 2y p-value

0.01463849

2y vs 5y p-value

0.4667474

6w vs 5y p-value

0.003677035

RSA tests LT

Preop vs 6w p-value

8.732553e-17

Preop vs 2y p-value

1.985266e-07

Preop vs 5y p-value

0.001640124

6w vs 2y p-value

1.122806e-05

2y vs 5y p-value

0.2322613

6w vs 5y p-value

2.422945e-05

RPV - mean

All

[1] -13.66

UT

[1] -13.7

LT

[1] -13.59

UT vs LT p-value:[1] 0.9605977

RPV - sd

All

[1] 8.35

```
UT
[1] 10.04
LT
[1] 7.08
```

6W. RPV - mean

```
All
[1] -5.76
UT
[1] -3.93
LT
[1] -5.87
```

UT vs LT p-value:[1] 0.2714932

6W. RPV - sd

```
All
[1] 7.81
UT
[1] 7.86
LT
[1] 7.79
```

6M. RPV - mean

```
All
[1] -8.69
UT
[1] -7.72
LT
[1] -8.61
```

UT vs LT p-value:[1] 0.587466

6M. RPV - sd

```
All
[1] 7.16
UT
[1] 7.34
LT
[1] 6.28
```

1Y. RPV - mean

```
All
[1] -9.31
UT
[1] -7.95
```

LT
[1] -9.81

UT vs LT p-value:[1] 0.307199

1Y. RPV - sd
All
[1] 7.17
UT
[1] 8.4
LT
[1] 6.35

2Y. RPV - mean
All
[1] -8.76
UT
[1] -7.68
LT
[1] -9.07

UT vs LT p-value:[1] 0.4112194

2Y. RPV - sd
All
[1] 6.65
UT
[1] 7.82
LT
[1] 6.09

5Y. RPV - mean
All
[1] -10.38
UT
[1] -10.06
LT
[1] -10.42

UT vs LT p-value:[1] 0.8426548

5Y. RPV - sd
All
[1] 6.4
UT
[1] 6.43
LT

[1] 6.47

RPV tests all
Preop vs 6w p-value
1.025799e-13

Preop vs 2y p-value
4.723301e-07

Preop vs 5y p-value
0.002256949

6w vs 2y p-value
0.001364533

2y vs 5y p-value
0.1007442

6w vs 5y p-value
1.562604e-05

RPV tests UT
Preop vs 6w p-value
0.0002265302

Preop vs 2y p-value
0.01830739

Preop vs 5y p-value
0.1421404

6w vs 2y p-value
0.08849781

2y vs 5y p-value
0.2678974

6w vs 5y p-value
0.005820162

RPV tests LT
Preop vs 6w p-value
2.103937e-10

Preop vs 2y p-value
1.778106e-05

Preop vs 5y p-value
0.01040085

6w vs 2y p-value
0.004044163

2y vs 5y p-value
0.2573896

6w vs 5y p-value
0.0005735295

Quality of Life

ODI - Score (%) - mean

All

[1] 45.39

UT

[1] 42.48

LT

[1] 47.24

UT vs LT p-value:[1] 0.2641883

ODI - Score (%) - sd

All

[1] 17.31

UT

[1] 19.73

LT

[1] 16.36

6M. ODI - Score (%) - mean

All

[1] 33.19

UT

[1] 32.04

LT

[1] 33.15

UT vs LT p-value:[1] 0.7907663

6M. ODI - Score (%) - sd

All

[1] 18.95

UT

[1] 18.68

LT

[1] 18.47

1Y. ODI - Score (%) - mean

All

```
[1] 32.07
UT
[1] 34.38
LT
[1] 31.17
```

```
UT vs LT p-value:[1] 0.4463975
```

```
1Y. ODI - Score (%) - sd
All
[1] 17.91
UT
[1] 19.31
LT
[1] 15.9
```

```
2Y. ODI - Score (%) - mean
All
[1] 34.97
UT
[1] 30.08
LT
[1] 35.59
```

```
UT vs LT p-value:[1] 0.2782185
```

```
2Y. ODI - Score (%) - sd
All
[1] 22.69
UT
[1] 22.48
LT
[1] 21.59
```

```
5Y. ODI - Score (%) - mean
All
[1] 37.47
UT
[1] 34.8
LT
[1] 37.69
```

```
UT vs LT p-value:[1] 0.6434
```

```
5Y. ODI - Score (%) - sd
All
[1] 23.45
```

UT
[1] 28.25
LT
[1] 20.44

ODI - Score (%) tests all
Preop vs 6m p-value
2.641367e-07

Preop vs 2y p-value
6.135507e-05

Preop vs 5y p-value
0.005987551

6m vs 2y p-value
0.5047968

2y vs 5y p-value
0.427148

6m vs 5y p-value
0.1478347

ODI - Score (%) tests UT
Preop vs 6m p-value
0.05316691

Preop vs 2y p-value
0.03797865

Preop vs 5y p-value
0.265418

6m vs 2y p-value
0.7336436

2y vs 5y p-value
0.5131148

6w vs 5y p-value
1.799872e-07

ODI - Score (%) tests LT
Preop vs 6m p-value
0.0006322193

Preop vs 2y p-value
0.0001524535

Preop vs 5y p-value
0.002618294

6m vs 2y p-value
0.4209287

2y vs 5y p-value
0.548482

6w vs 5y p-value
6.777729e-27

SRS22 - Function / Activity - mean

All

[1] 2.74

UT

[1] 2.9

LT

[1] 2.64

UT vs LT p-value:[1] 0.1109399

SRS22 - Function / Activity - sd

All

[1] 0.7

UT

[1] 0.78

LT

[1] 0.66

6M. SRS22 - Function / Activity - mean

All

[1] 2.99

UT

[1] 2.98

LT

[1] 3.01

UT vs LT p-value:[1] 0.8202379

6M. SRS22 - Function / Activity - sd

All

[1] 0.72

UT

[1] 0.62

LT

[1] 0.71

1Y. SRS22 - Function / Activity - mean

All

```
[1] 3.08
UT
[1] 2.99
LT
[1] 3.05
```

```
UT vs LT p-value:[1] 0.7202619
```

```
1Y. SRS22 - Function / Activity - sd
All
[1] 0.78
UT
[1] 0.82
LT
[1] 0.74
```

```
2Y. SRS22 - Function / Activity - mean
All
[1] 3.15
UT
[1] 3.15
LT
[1] 3.18
```

```
UT vs LT p-value:[1] 0.8822219
```

```
2Y. SRS22 - Function / Activity - sd
All
[1] 0.86
UT
[1] 0.89
LT
[1] 0.83
```

```
5Y. SRS22 - Function / Activity - mean
All
[1] 3.19
UT
[1] 3.24
LT
[1] 3.19
```

```
UT vs LT p-value:[1] 0.835051
```

```
5Y. SRS22 - Function / Activity - sd
All
[1] 0.92
```

UT
[1] 1.12
LT
[1] 0.83

SRS22 - Function / Activity tests all
Preop vs 6m p-value
0.005209729

Preop vs 2y p-value
4.40169e-05

Preop vs 5y p-value
8.759409e-05

6m vs 2y p-value
0.1187939

2y vs 5y p-value
0.7560881

6m vs 5y p-value
0.08690499

SRS22 - Function / Activity tests UT
Preop vs 6m p-value
0.6909416

Preop vs 2y p-value
0.2807514

Preop vs 5y p-value
0.2118015

6m vs 2y p-value
0.4208335

2y vs 5y p-value
0.7525176

6w vs 5y p-value
5.006994e-17

SRS22 - Function / Activity tests LT
Preop vs 6m p-value
0.01924373

Preop vs 2y p-value
5.814402e-06

Preop vs 5y p-value
1.881468e-05

6m vs 2y p-value
0.1873662

2y vs 5y p-value
0.9467866

6w vs 5y p-value
5.019226e-17

SRS22 - Pain - mean

All

[1] 2.3

UT

[1] 2.17

LT

[1] 2.28

UT vs LT p-value:[1] 0.5521584

SRS22 - Pain - sd

All

[1] 0.81

UT

[1] 0.85

LT

[1] 0.8

6M. SRS22 - Pain - mean

All

[1] 3.31

UT

[1] 3.31

LT

[1] 3.32

UT vs LT p-value:[1] 0.9501571

6M. SRS22 - Pain - sd

All

[1] 0.88

UT

[1] 0.87

LT

[1] 0.88

1Y. SRS22 - Pain - mean

All

```
[1] 3.37
UT
[1] 3.24
LT
[1] 3.41
```

```
UT vs LT p-value:[1] 0.4876742
```

```
1Y. SRS22 - Pain - sd
All
[1] 1.01
UT
[1] 1.14
LT
[1] 0.95
```

```
2Y. SRS22 - Pain - mean
All
[1] 3.31
UT
[1] 3.56
LT
[1] 3.32
```

```
UT vs LT p-value:[1] 0.3679061
```

```
2Y. SRS22 - Pain - sd
All
[1] 1.16
UT
[1] 1.15
LT
[1] 1.13
```

```
5Y. SRS22 - Pain - mean
All
[1] 3.09
UT
[1] 3.08
LT
[1] 3.1
```

```
UT vs LT p-value:[1] 0.9495386
```

```
5Y. SRS22 - Pain - sd
All
[1] 1.2
```

UT
[1] 1.39
LT
[1] 1.12

SRS22 - Pain tests all
Preop vs 6m p-value
2.786954e-18

Preop vs 2y p-value
7.428262e-14

Preop vs 5y p-value
9.838289e-08

6m vs 2y p-value
0.9717105

2y vs 5y p-value
0.1669307

6m vs 5y p-value
0.1211639

SRS22 - Pain tests UT
Preop vs 6m p-value
1.115975e-05

Preop vs 2y p-value
8.932931e-06

Preop vs 5y p-value
0.007288091

6m vs 2y p-value
0.3910485

2y vs 5y p-value
0.1940124

6w vs 5y p-value
1.73425e-16

SRS22 - Pain tests LT
Preop vs 6m p-value
3.671359e-06

Preop vs 2y p-value
2.29785e-10

Preop vs 5y p-value
1.805182e-06

6m vs 2y p-value
0.9630999

2y vs 5y p-value
0.244056

6w vs 5y p-value
8.236008e-17

SRS22 - Self image / Appearance - mean

All

[1] 2.05

UT

[1] 1.9

LT

[1] 2.05

UT vs LT p-value:[1] 0.2280209

SRS22 - Self image / Appearance - sd

All

[1] 0.62

UT

[1] 0.54

LT

[1] 0.64

6M. SRS22 - Self image / Appearance - mean

All

[1] 3.3

UT

[1] 3.41

LT

[1] 3.32

UT vs LT p-value:[1] 0.6718435

6M. SRS22 - Self image / Appearance - sd

All

[1] 0.88

UT

[1] 0.99

LT

[1] 0.81

1Y. SRS22 - Self image / Appearance - mean

All

[1] 3.33
UT
[1] 3.37
LT
[1] 3.32

UT vs LT p-value:[1] 0.8107108

1Y. SRS22 - Self image / Appearance - sd
All
[1] 0.79
UT
[1] 0.88
LT
[1] 0.72

2Y. SRS22 - Self image / Appearance - mean
All
[1] 3.19
UT
[1] 3.46
LT
[1] 3.16

UT vs LT p-value:[1] 0.2144389

2Y. SRS22 - Self image / Appearance - sd
All
[1] 0.96
UT
[1] 1.13
LT
[1] 0.87

5Y. SRS22 - Self image / Appearance - mean
All
[1] 3.08
UT
[1] 3.24
LT
[1] 3.06

UT vs LT p-value:[1] 0.5049689

5Y. SRS22 - Self image / Appearance - sd
All
[1] 1.01

UT
[1] 1.2
LT
[1] 0.93

SRS22 - Self image / Appearance tests all
Preop vs 6m p-value
4.5482e-29

Preop vs 2y p-value
4.774737e-23

Preop vs 5y p-value
1.469375e-15

6m vs 2y p-value
0.3434209

2y vs 5y p-value
0.4152314

6m vs 5y p-value
0.08972373

SRS22 - Self image / Appearance tests UT
Preop vs 6m p-value
3.735277e-08

Preop vs 2y p-value
2.320571e-07

Preop vs 5y p-value
1.408047e-05

6m vs 2y p-value
0.8556326

2y vs 5y p-value
0.4933477

6w vs 5y p-value
5.708383e-17

SRS22 - Self image / Appearance tests LT
Preop vs 6m p-value
2.222115e-07

Preop vs 2y p-value
2.294144e-16

Preop vs 5y p-value
1.964354e-11

6m vs 2y p-value
0.2524084

2y vs 5y p-value
0.5077463

6w vs 5y p-value
1.041575e-16

SRS22 - Mental health - mean
All
[1] 2.92
UT
[1] 3.05
LT
[1] 2.87

UT vs LT p-value:[1] 0.4205863

SRS22 - Mental health - sd
All
[1] 0.9
UT
[1] 1.05
LT
[1] 0.86

6M. SRS22 - Mental health - mean
All
[1] 3.41
UT
[1] 3.61
LT
[1] 3.39

UT vs LT p-value:[1] 0.2696805

6M. SRS22 - Mental health - sd
All
[1] 0.87
UT
[1] 0.86
LT
[1] 0.88

1Y. SRS22 - Mental health - mean
All

```
[1] 3.48
UT
[1] 3.52
LT
[1] 3.51
```

```
UT vs LT p-value:[1] 0.9547109
```

```
1Y. SRS22 - Mental health - sd
All
[1] 0.85
UT
[1] 0.84
LT
[1] 0.86
```

```
2Y. SRS22 - Mental health - mean
All
[1] 3.33
UT
[1] 3.72
LT
[1] 3.29
```

```
UT vs LT p-value:[1] 0.06210427
```

```
2Y. SRS22 - Mental health - sd
All
[1] 1.01
UT
[1] 1
LT
[1] 0.95
```

```
5Y. SRS22 - Mental health - mean
All
[1] 3.3
UT
[1] 3.5
LT
[1] 3.26
```

```
UT vs LT p-value:[1] 0.3204926
```

```
5Y. SRS22 - Mental health - sd
All
[1] 1
```

UT
[1] 1.08
LT
[1] 0.98

SRS22 - Mental health tests all
Preop vs 6m p-value
1.979881e-05

Preop vs 2y p-value
0.0007223483

Preop vs 5y p-value
0.003637971

6m vs 2y p-value
0.5348257

2y vs 5y p-value
0.806078

6m vs 5y p-value
0.401044

SRS22 - Mental health tests UT
Preop vs 6m p-value
0.03600857

Preop vs 2y p-value
0.02106505

Preop vs 5y p-value
0.1281484

6m vs 2y p-value
0.6908002

2y vs 5y p-value
0.4731402

6w vs 5y p-value
1.171633e-17

SRS22 - Mental health tests LT
Preop vs 6m p-value
0.0004270589

Preop vs 2y p-value
0.003611761

Preop vs 5y p-value
0.01301424

6m vs 2y p-value
0.1098037

2y vs 5y p-value
0.8417695

6w vs 5y p-value
3.613739e-17

SRS22 - SRS Subtotal score - mean

All

[1] 2.51

UT

[1] 2.51

LT

[1] 2.47

UT vs LT p-value:[1] 0.7331165

SRS22 - SRS Subtotal score - sd

All

[1] 0.59

UT

[1] 0.61

LT

[1] 0.58

6M. SRS22 - SRS Subtotal score - mean

All

[1] 3.26

UT

[1] 3.33

LT

[1] 3.26

UT vs LT p-value:[1] 0.6314849

6M. SRS22 - SRS Subtotal score - sd

All

[1] 0.68

UT

[1] 0.66

LT

[1] 0.66

1Y. SRS22 - SRS Subtotal score - mean

All

[1] 3.32
UT
[1] 3.29
LT
[1] 3.33

UT vs LT p-value:[1] 0.7840485

1Y. SRS22 - SRS Subtotal score - sd
All
[1] 0.71
UT
[1] 0.78
LT
[1] 0.67

2Y. SRS22 - SRS Subtotal score - mean
All
[1] 3.24
UT
[1] 3.47
LT
[1] 3.23

UT vs LT p-value:[1] 0.2442933

2Y. SRS22 - SRS Subtotal score - sd
All
[1] 0.87
UT
[1] 0.93
LT
[1] 0.82

5Y. SRS22 - SRS Subtotal score - mean
All
[1] 3.17
UT
[1] 3.27
LT
[1] 3.15

UT vs LT p-value:[1] 0.6408109

5Y. SRS22 - SRS Subtotal score - sd
All
[1] 0.91

UT
[1] 1.08
LT
[1] 0.82

SRS22 - SRS Subtotal score tests all
Preop vs 6m p-value
5.960475e-18

Preop vs 2y p-value
2.017802e-13

Preop vs 5y p-value
3.417195e-09

6m vs 2y p-value
0.8993853

2y vs 5y p-value
0.5248112

6m vs 5y p-value
0.4182265

SRS22 - SRS Subtotal score tests UT
Preop vs 6m p-value
1.871305e-05

Preop vs 2y p-value
6.101258e-05

Preop vs 5y p-value
0.003925291

6m vs 2y p-value
0.5356368

2y vs 5y p-value
0.4711429

6w vs 5y p-value
4.277433e-17

SRS22 - SRS Subtotal score tests LT
Preop vs 6m p-value
6.15114e-07

Preop vs 2y p-value
1.242761e-10

Preop vs 5y p-value
7.758512e-08

6m vs 2y p-value
0.5263014

2y vs 5y p-value
0.5687202

6w vs 5y p-value
6.151306e-17

SF36 - PCS - mean

All

[1] 33.2

UT

[1] 33.52

LT

[1] 32.28

UT vs LT p-value:[1] 0.5066843

SF36 - PCS - sd

All

[1] 7.61

UT

[1] 8.85

LT

[1] 6.53

6M. SF36 - PCS - mean

All

[1] 37.7

UT

[1] 36.81

LT

[1] 38.13

UT vs LT p-value:[1] 0.5606941

6M. SF36 - PCS - sd

All

[1] 8.54

UT

[1] 10.3

LT

[1] 7.4

1Y. SF36 - PCS - mean

All


```
[1] 38.61
UT
[1] 37.62
LT
[1] 38.46
```

```
UT vs LT p-value:[1] 0.6711088
```

```
1Y. SF36 - PCS - sd
All
[1] 8.71
UT
[1] 8.75
LT
[1] 7.97
```

```
2Y. SF36 - PCS - mean
All
[1] 39.16
UT
[1] 39.05
LT
[1] 39.2
```

```
UT vs LT p-value:[1] 0.9488244
```

```
2Y. SF36 - PCS - sd
All
[1] 9.85
UT
[1] 10.52
LT
[1] 9.21
```

```
5Y. SF36 - PCS - mean
All
[1] 37.42
UT
[1] 37.06
LT
[1] 37.53
```

```
UT vs LT p-value:[1] 0.8597305
```

```
5Y. SF36 - PCS - sd
All
[1] 11.21
```

UT
[1] 11.63
LT
[1] 10.54

SF36 - PCS tests all
Preop vs 6m p-value
1.922192e-05

Preop vs 2y p-value
2.251152e-07

Preop vs 5y p-value
0.001697199

6m vs 2y p-value
0.2198412

2y vs 5y p-value
0.2291401

6m vs 5y p-value
0.8374142

SF36 - PCS tests UT
Preop vs 6m p-value
0.2300624

Preop vs 2y p-value
0.04940239

Preop vs 5y p-value
0.2255641

6m vs 2y p-value
0.4590548

2y vs 5y p-value
0.5322686

6w vs 5y p-value
2.029223e-17

SF36 - PCS tests LT
Preop vs 6m p-value
0.05067251

Preop vs 2y p-value
1.20466e-07

Preop vs 5y p-value
0.0006380642

6m vs 2y p-value
0.3117589

2y vs 5y p-value
0.3151814

6w vs 5y p-value
1.320738e-52

SF36 - MCS - mean

All

[1] 40.67

UT

[1] 43.63

LT

[1] 40.06

UT vs LT p-value:[1] 0.2198899

SF36 - MCS - sd

All

[1] 12.09

UT

[1] 13.32

LT

[1] 11.62

6M. SF36 - MCS - mean

All

[1] 45.61

UT

[1] 47.81

LT

[1] 46.29

UT vs LT p-value:[1] 0.6133361

6M. SF36 - MCS - sd

All

[1] 12.25

UT

[1] 13.08

LT

[1] 11.94

1Y. SF36 - MCS - mean

All

```
[1] 45.48
UT
[1] 43.65
LT
[1] 46.67
```

```
UT vs LT p-value:[1] 0.3587236
```

```
1Y. SF36 - MCS - sd
All
[1] 12.55
UT
[1] 14.83
LT
[1] 12
```

```
2Y. SF36 - MCS - mean
All
[1] 45.14
UT
[1] 46.89
LT
[1] 45.45
```

```
UT vs LT p-value:[1] 0.625681
```

```
2Y. SF36 - MCS - sd
All
[1] 12.24
UT
[1] 12.74
LT
[1] 11.9
```

```
5Y. SF36 - MCS - mean
All
[1] 44.58
UT
[1] 46.19
LT
[1] 44.51
```

```
UT vs LT p-value:[1] 0.5833487
```

```
5Y. SF36 - MCS - sd
All
[1] 12.33
```

UT
[1] 13.24
LT
[1] 11.97

SF36 - MCS tests all
Preop vs 6m p-value
0.001659429

Preop vs 2y p-value
0.004094832

Preop vs 5y p-value
0.01844923

6m vs 2y p-value
0.7660176

2y vs 5y p-value
0.7415884

6m vs 5y p-value
0.5440086

SF36 - MCS tests UT
Preop vs 6m p-value
0.2641384

Preop vs 2y p-value
0.3762988

Preop vs 5y p-value
0.4905063

6m vs 2y p-value
0.8056209

2y vs 5y p-value
0.8512303

6w vs 5y p-value
8.633791e-18

SF36 - MCS tests LT
Preop vs 6m p-value
0.01305092

Preop vs 2y p-value
0.003682056

Preop vs 5y p-value
0.02458002

6m vs 2y p-value
0.4340199

2y vs 5y p-value
0.6342724

6w vs 5y p-value
2.480368e-52

Surgery

Total Operative Blood Loss st1+st2+st3 - mean
All
[1] 2038.09
UT
[1] 2175.4
LT
[1] 2044.89

UT vs LT p-value:[1] 0.6414715

Total Operative Blood Loss st1+st2+st3 - sd
All
[1] 1491.78
UT
[1] 1179.71
LT
[1] 1345.67

Total surgical time st1+st2+st3 - mean
All
[1] 315.83
UT
[1] 364.54
LT
[1] 318.06

UT vs LT p-value:[1] 0.2632536

Total surgical time st1+st2+st3 - sd
All
[1] 181.95
UT
[1] 192.45
LT
[1] 177.5

Number of Posterior Instrumented Levels - mean

All

[1] 10.67

UT

[1] 17

LT

[1] 9.8

UT vs LT p-value:[1] 8.412249e-35

Number of Posterior Instrumented Levels - sd

All

[1] 3.71

UT

[1] 0.98

LT

[1] 1.23

Pelvic fixation - table

All

variable

Yes

134

UT

variable

Yes

28

LT

variable

Yes

88

Pelvic fixation - proportion

All

variable

Yes

1

UT

variable

Yes

1

LT

variable

Yes

1

Surgical Approach - table

All

variable	Anterior-Posterior	Posterior
	2	121
	Posterior-Anterior	Posterior-Posterior-Anterior
	10	1

UT

variable	Anterior-Posterior	Posterior
	1	22
	Posterior-Anterior	Posterior-Posterior-Anterior
	4	1

LT

variable	Anterior-Posterior	Posterior	Posterior-Anterior
	1	81	6

Surgical Approach - proportion

All

variable	Anterior-Posterior	Posterior
	0.014925373	0.902985075
	Posterior-Anterior	Posterior-Posterior-Anterior
	0.074626866	0.007462687

UT

variable	Anterior-Posterior	Posterior
	0.03571429	0.78571429
	Posterior-Anterior	Posterior-Posterior-Anterior
	0.14285714	0.03571429

LT

variable	Anterior-Posterior	Posterior	Posterior-Anterior
	0.01136364	0.92045455	0.06818182

Number of Interbody Fusions - mean

All

[1] 1.17

UT

[1] 1.07

LT

[1] 1.31

UT vs LT p-value: [1] 0.4498222

Number of Interbody Fusions - sd

All

[1] 1.28

UT

[1] 1.46

LT

[1] 1.28

Decompression - table

All

variable

No Yes

101 33

UT

variable

No Yes

25 3

LT

variable

No Yes

66 22

Decompression - proportion

All

variable

No Yes

0.7537313 0.2462687

UT

variable

No Yes

0.8928571 0.1071429

LT

variable

No Yes

0.75 0.25

Interbody Fusion - table

All

variable

No Yes

52 82

UT

variable

No Yes

12 16

LT

variable

No Yes

30 58

Interbody Fusion - proportion

All

variable

No Yes

0.3880597 0.6119403

UT

variable

	No	Yes
0.4285714	0.5714286	
LT		
variable		
	No	Yes
0.3409091	0.6590909	

Osteotomy - table

All		
variable		
	No	Yes
53	81	
UT		
variable		
	No	Yes
13	15	
LT		
variable		
	No	Yes
35	53	

Osteotomy - proportion

All		
variable		
	No	Yes
0.3955224	0.6044776	
UT		
variable		
	No	Yes
0.4642857	0.5357143	
LT		
variable		
	No	Yes
0.3977273	0.6022727	

3CO - table

All		
variable		
	No	Yes
100	34	
UT		
variable		
	No	Yes
24	4	
LT		
variable		
	No	Yes
66	22	

3CO - proportion

```

All
variable
  No      Yes
0.7462687 0.2537313
UT
variable
  No      Yes
0.8571429 0.1428571
LT
variable
  No  Yes
0.75 0.25

```

Before 2Y

Reinterventions

```

      group reiqs patients total
1:   all      84         44   134
2:   UT      20          9    28
3:   LT      53         28    88

      p_val_1_total p_val_2_total p_val_1_2
1                1      0.9905192        1

```

Impacts

```

      Complication Impact all_num all_patients UT_num UT_patients LT_num
1:                0        1          1        0          0        1
2: Major Complication    100          51      22          10      61
3: Minor Complication    97          63      16          12      70
      LT_patients total_all UT LT p_val_1_total p_val_2_total p_val_1_2
1:             1      134 28 88    1.0000000    1.0000000 1.0000000
2:             33      134 28 88    0.9852153    1.0000000 1.0000000
3:             43      134 28 88    0.8470147    0.8946687 0.7360145

```

Categories

```

      Category of the complication all_num all_patients UT_num UT_patients
1:   Central neurologic complications      1          1        0        0
2:                               Iatrogenic      5          5        1        1
3:   Infectious complications      15         13        4        4
4:   Mechanical complications      98         66       17       12
5:   Other complications      51         27       11        5
6:                               Pain      5          5        2        2
7: Peripheral neurologic complications     23         20        3        3
      LT_num LT_patients total_all UT LT p_val_1_total p_val_2_total p_val_1_2
1:         0          0      134 28 88    1.0000000    1.0000000      NaN
2:         4          4      134 28 88    1.0000000    1.0000000 1.0000000
3:         5          5      134 28 88    0.7033113    0.4111133 0.2815905

```

4:	73	48	134	28	88	0.6831522	0.5258459	0.3892777
5:	34	21	134	28	88	0.9871480	0.6234634	0.6864440
6:	3	3	134	28	88	0.7668564	1.0000000	0.7541729
7:	13	11	134	28	88	0.7771973	0.7550030	1.0000000

Categories Major Complications

	Category of the complication	all_num	all_patients	UT_num	UT_patients			
1:	Central neurologic complications	1	1	0	0			
2:	Iatrogenic	3	3	0	0			
3:	Infectious complications	14	12	4	4			
4:	Mechanical complications	55	37	9	7			
5:	Other complications	20	14	5	3			
6:	Pain	3	3	2	2			
7:	Peripheral neurologic complications	4	4	2	2			

	LT_num	LT_patients	total_all	UT	LT	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	0	134	28	88	1.0000000	1.0000000	NaN
2:	3	3	134	28	88	0.9772297	0.9180370	0.7593037
3:	4	4	134	28	88	0.6089260	0.3283265	0.1791247
4:	39	24	134	28	88	0.9609003	1.0000000	1.0000000
5:	12	10	134	28	88	1.0000000	1.0000000	1.0000000
6:	1	1	134	28	88	0.4449352	0.9296516	0.2888721
7:	2	2	134	28	88	0.6104797	1.0000000	0.5250587

From 2Y - 5Y

Reinterventions

	group	reiqs	patients	total
1:	all	32	20	134
2:	UT	9	6	28
3:	LT	22	13	88

	p_val_1_total	p_val_2_total	p_val_1_2
1	0.5689601		1 0.5921402

Impacts

	Complication	Impact	all_num	all_patients	UT_num	UT_patients	LT_num
1:	Adverse Event		1	1	0	0	0
2:	Major Complication		33	21	9	6	23
3:	Minor Complication		22	21	6	6	14

	LT_patients	total_all	UT	LT	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	134	28	88	1.0000000	1	NaN
2:	14	134	28	88	0.6421935	1	0.6993220
3:	13	134	28	88	0.6421935	1	0.5921402

Categories

	Category of the complication	all_num	all_patients	UT_num	UT_patients	LT_num
--	------------------------------	---------	--------------	--------	-------------	--------

1:	Iatrogenic	2	2	2	2	0	
2:	Mechanical complications	51	36	13	10	34	
3:	Pain	3	3	0	0	3	
	LT_patients	total_all	UT	LT	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	134	28	88	0.2789076	0.6707076	0.08996179
2:	23	134	28	88	0.4752336	1.0000000	0.46053896
3:	3	134	28	88	0.9772297	0.9180370	0.75930366

Categories Major Complications

	Category of the complication	all_num	all_patients	UT_num	UT_patients	LT_num	
1:	Iatrogenic	2	2	2	2	0	
2:	Mechanical complications	29	18	7	5	21	
3:	Pain	2	2	0	0	2	
	LT_patients	total_all	UT	LT	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	134	28	88	0.2789076	0.6707076	0.08996179
2:	12	134	28	88	0.7547570	1.0000000	0.80778068
3:	2	134	28	88	1.0000000	1.0000000	1.00000000

Before 5Y

Reinterventions

	group	reiqs	patients	total
1:	all	116	55	134
2:	UT	29	10	28
3:	LT	75	37	88
	p_val_1_total	p_val_2_total	p_val_1_2	
1	0.7554901	0.9929927	0.7088591	

Impacts

	Complication	Impact	all_num	all_patients	UT_num	UT_patients	LT_num
1:	0	1	1	0	0	1	
2:	Adverse Event	1	1	0	0	0	
3:	Major Complication	133	61	31	11	84	
4:	Minor Complication	119	73	22	15	84	
	LT_patients	total_all	UT	LT	p_val_1_total	p_val_2_total	p_val_1_2
1:	1	134	28	88	1.0000000	1.0000000	1.0000000
2:	0	134	28	88	1.0000000	1.0000000	NaN
3:	42	134	28	88	0.6928879	0.8534944	0.5732731
4:	49	134	28	88	1.0000000	0.9692817	1.0000000

Categories

	Category of the complication	all_num	all_patients	UT_num	UT_patients
1:	Central neurologic complications	1	1	0	0
2:	Iatrogenic	7	7	3	3
3:	Infectious complications	15	13	4	4

4:	Mechanical complications	149	85	30	18	
5:	Other complications	51	27	11	5	
6:	Pain	8	8	2	2	
7:	Peripheral neurologic complications	23	20	3	3	
	LT_num LT_patients total_all UT LT p_val_1_total p_val_2_total p_val_1_2					
1:	0	0	134	28	88	1.0000000 1.0000000 NaN
2:	4	4	134	28	88	0.5052738 1.0000000 0.4602894
3:	5	5	134	28	88	0.7033113 0.4111133 0.2815905
4:	107	59	134	28	88	1.0000000 0.6834084 0.9684167
5:	34	21	134	28	88	0.9871480 0.6234634 0.6864440
6:	6	6	134	28	88	1.0000000 1.0000000 1.0000000
7:	13	11	134	28	88	0.7771973 0.7550030 1.0000000

Categories Major Complications

	Category of the complication all_num all_patients UT_num UT_patients					
1:	Central neurologic complications	1	1	0	0	
2:	Iatrogenic	5	5	2	2	
3:	Infectious complications	14	12	4	4	
4:	Mechanical complications	84	47	16	9	
5:	Other complications	20	14	5	3	
6:	Pain	5	5	2	2	
7:	Peripheral neurologic complications	4	4	2	2	
	LT_num LT_patients total_all UT LT p_val_1_total p_val_2_total p_val_1_2					
1:	0	0	134	28	88	1.0000000 1.0000000 NaN
2:	3	3	134	28	88	0.7668564 1.0000000 0.7541729
3:	4	4	134	28	88	0.6089260 0.3283265 0.1791247
4:	60	32	134	28	88	0.9376589 0.9577893 0.8571619
5:	12	10	134	28	88	1.0000000 1.0000000 1.0000000
6:	3	3	134	28	88	0.7668564 1.0000000 0.7541729
7:	2	2	134	28	88	0.6104797 1.0000000 0.5250587