

Pelvis UT vs Pelvis LT

Initial Patients: 372

With Posterior Instrumented Fusion: 348

Posterior Instrumental Fusion is Iliac: 134

- Upper Thoracic (UT): T1-T9-Pelvis
- Lower Thoracic (LT): T10-T12- Iliac

```
thoracic_type  N
1:             LT 66
2:             UT 50
3:             <NA> 18
```

P-value ASA 1 UT vs LT

```
treatment asa_1  N
1:         LT    14 66
2:         UT     4 50
```

[1] 0.09152908

P-value Prior Spine Surgery Yes UT vs LT

```
treatment prior_yes  N
1:         LT        27 66
2:         UT        15 50
```

[1] 0.3098023

Demographics

Age - mean

All

[1] 63.73

UT

[1] 64.3

LT

[1] 64.33

UT vs LT p-value:[1] 0.9858047

Gender - table

All

variable

Female	Male
114	20

UT

variable

Female	Male
47	3

LT

variable

Female	Male
53	13

Gender - proportion

All

variable

Female	Male
0.8507463	0.1492537

UT

variable

Female	Male
0.94	0.06

LT

variable

Female	Male
0.8030303	0.1969697

Prior Spine Surgery - table

All

variable

No	Yes
80	54

UT

variable

No	Yes
35	15

LT

variable

No	Yes
39	27

Prior Spine Surgery - proportion

All

variable

No	Yes
0.5970149	0.4029851

UT

variable

No	Yes
0.7	0.3

```

LT
variable
      No      Yes
0.5909091 0.4090909

```

Height (cm)_First Visit - mean

```

All
[1] 160.77
UT
[1] 157.76
LT
[1] 161.57

```

UT vs LT p-value:[1] 0.01460318

Weight (kgs)_First Visit - mean

```

All
[1] 66.59
UT
[1] 62.92
LT
[1] 68.22

```

UT vs LT p-value:[1] 0.008777494

BMI_First Visit - mean

```

All
[1] 25.75
UT
[1] 25.4
LT
[1] 26.11

```

UT vs LT p-value:[1] 0.3622448

ASA classification - table

```

All
variable
  1  2  3
23 93 18
UT
variable
  1  2  3

```

```

4 40 6
LT
variable
1 2 3
14 45 7

```

ASA classification - proportion

```

All
variable
      1      2      3
0.1716418 0.6940299 0.1343284
UT
variable
      1      2      3
0.08 0.80 0.12
LT
variable
      1      2      3
0.2121212 0.6818182 0.1060606

```

Tobacco use_First Visit - table

```

All
variable
  Current      Ex Non-User
      23      31      80
UT
variable
  Current      Ex Non-User
      6      14      30
LT
variable
  Current      Ex Non-User
      13      12      41

```

Tobacco use_First Visit - proportion

```

All
variable
  Current      Ex Non-User
0.1716418 0.2313433 0.5970149
UT
variable
  Current      Ex Non-User
    0.12    0.28    0.60
LT
variable
  Current      Ex Non-User
0.1969697 0.1818182 0.6212121

```

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	Failed-back	Idiopathic	Post-traumatic	Scheuermann
20	1	25	2	1
Syndromic				
1				

LT

variable			
	Congenital	Degenerative	Failed-back
	3	37	9
	Idiopathic	Neuromuscular	Other: spondylolisthesis
	12	2	1
	Post-traumatic		
	2		

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	Failed-back	Idiopathic	Post-traumatic	Scheuermann
0.40	0.02	0.50	0.04	0.02
Syndromic				
0.02				

LT

variable			
	Congenital	Degenerative	Failed-back
	0.04545455	0.56060606	0.13636364
	Idiopathic	Neuromuscular	Other: spondylolisthesis
	0.18181818	0.03030303	0.01515152
	Post-traumatic		
	0.03030303		

Radiology

Static Major curve Cobb angle - mean

All

[1] 39.33

UT

[1] 46.57

LT

[1] 35.25

UT vs LT p-value:[1] 0.004583437

6W. Static Major curve Cobb angle - mean

All

[1] 21.54

UT

[1] 23.21

LT

[1] 19.38

UT vs LT p-value:[1] 0.1672764

6M. Static Major curve Cobb angle - mean

All

[1] 20.21

UT

[1] 22.23

LT

[1] 18.54

UT vs LT p-value:[1] 0.1926667

1Y. Static Major curve Cobb angle - mean

All

[1] 18.72

UT

[1] 21

LT

[1] 16.16

UT vs LT p-value:[1] 0.06523393

2Y. Static Major curve Cobb angle - mean

All

[1] 18.53

UT

[1] 20.57

LT

[1] 15.62

UT vs LT p-value:[1] 0.04107005

5Y. Static Major curve Cobb angle - mean

All

[1] 21

UT

[1] 23.33

LT

[1] 19.35

UT vs LT p-value:[1] 0.286008

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

2.893485e-09

Preop vs 2y p-value

8.78215e-11

Preop vs 5y p-value

6.188105e-08

6w vs 2y p-value

0.3109539

2y vs 5y p-value

0.3746937

6w vs 5y p-value
0.9694669

Static Major curve Cobb angle tests LT
Preop vs 6w p-value
3.452511e-06

Preop vs 2y p-value
1.965953e-09

Preop vs 5y p-value
5.373204e-05

6w vs 2y p-value
0.144145

2y vs 5y p-value
0.2391875

6w vs 5y p-value
0.9926437

Coronal Balance (C7PL to CSVL) - mean
All
[1] 28.49
UT
[1] 31.8
LT
[1] 28.32

UT vs LT p-value:[1] 0.4714836

6W. Coronal Balance (C7PL to CSVL) - mean
All
[1] 20.86
UT
[1] 22.7
LT
[1] 20.63

UT vs LT p-value:[1] 0.5112421

6M. Coronal Balance (C7PL to CSVL) - mean
All
[1] 22.34
UT
[1] 22.75
LT

[1] 23.62

UT vs LT p-value:[1] 0.8004424

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

All

[1] 20.98

UT

[1] 22.09

LT

[1] 21.68

UT vs LT p-value:[1] 0.9024385

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

All

[1] 21.75

UT

[1] 22.77

LT

[1] 21.59

UT vs LT p-value:[1] 0.7503399

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

All

[1] 25.42

UT

[1] 22.43

LT

[1] 29.51

UT vs LT p-value:[1] 0.1772125

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
0.04989489

Preop vs 2y p-value
0.05946465

Preop vs 5y p-value
0.072487

6w vs 2y p-value
0.9849426

2y vs 5y p-value
0.9394706

6w vs 5y p-value
0.9504635

Coronal Balance (C7PL to CSVL) tests LT
Preop vs 6w p-value
0.02911719

Preop vs 2y p-value
0.07906326

Preop vs 5y p-value
0.8074594

6w vs 2y p-value
0.7468165

2y vs 5y p-value
0.08511729

6w vs 5y p-value
0.0421976

Sagittal Balance - mean
All
[1] 80.42
UT
[1] 79.9

LT
[1] 79.92

UT vs LT p-value:[1] 0.9988718

6W. Sagittal Balance - mean

All
[1] 26.18

UT
[1] 20.61

LT
[1] 28.04

UT vs LT p-value:[1] 0.2775311

6M. Sagittal Balance - mean

All
[1] 22.61

UT
[1] 13.34

LT
[1] 31.84

UT vs LT p-value:[1] 0.01835329

1Y. Sagittal Balance - mean

All
[1] 31.69

UT
[1] 23.41

LT
[1] 38.42

UT vs LT p-value:[1] 0.1277416

2Y. Sagittal Balance - mean

All
[1] 41.77

UT
[1] 35.19

LT
[1] 46.5

UT vs LT p-value:[1] 0.2329367

5Y. Sagittal Balance - mean

All

[1] 47.77

UT

[1] 35.3

LT

[1] 62.15

UT vs LT p-value:[1] 0.04389935

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

1.357398e-07

Preop vs 2y p-value

0.0001305205

Preop vs 5y p-value

0.0004383962

6w vs 2y p-value

0.07586664

2y vs 5y p-value

0.9918795

6w vs 5y p-value
0.1246944

Sagittal Balance tests LT
Preop vs 6w p-value
5.674249e-07

Preop vs 2y p-value
0.002271294

Preop vs 5y p-value
0.1810322

6w vs 2y p-value
0.02890587

2y vs 5y p-value
0.2036065

6w vs 5y p-value
0.004113597

Sagittal T2-T5 - mean
All
[1] 9.88
UT
[1] 9.79
LT
[1] 9.94

UT vs LT p-value:[1] 0.9301138

6W. Sagittal T2-T5 - mean
All
[1] 13.72
UT
[1] 15.22
LT
[1] 12.66

UT vs LT p-value:[1] 0.1592035

6M. Sagittal T2-T5 - mean
All
[1] 13.06
UT
[1] 15.29
LT

[1] 11.66

UT vs LT p-value:[1] 0.06342868

1Y. Sagittal T2-T5 - mean

All

[1] 13.17

UT

[1] 15.98

LT

[1] 10.99

UT vs LT p-value:[1] 0.02091048

2Y. Sagittal T2-T5 - mean

All

[1] 13.69

UT

[1] 17.22

LT

[1] 11.3

UT vs LT p-value:[1] 0.006804271

5Y. Sagittal T2-T5 - mean

All

[1] 16.7

UT

[1] 20.11

LT

[1] 13.51

UT vs LT p-value:[1] 0.04539882

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
0.009501355

Preop vs 2y p-value
0.00176467

Preop vs 5y p-value
0.001190687

6w vs 2y p-value
0.3873482

2y vs 5y p-value
0.3663238

6w vs 5y p-value
0.1091853

Sagittal T2-T5 tests LT
Preop vs 6w p-value
0.06142316

Preop vs 2y p-value
0.368773

Preop vs 5y p-value
0.09575251

6w vs 2y p-value
0.3896955

2y vs 5y p-value
0.3179222

6w vs 5y p-value
0.6932087

Sagittal T5-T12 - mean
All
[1] 29.15
UT
[1] 34.62

LT
[1] 27.37

UT vs LT p-value:[1] 0.0356883

6W. Sagittal T5-T12 - mean

All
[1] 35.21

UT
[1] 35.78

LT
[1] 36.94

UT vs LT p-value:[1] 0.6356924

6M. Sagittal T5-T12 - mean

All
[1] 37.69

UT
[1] 37.08

LT
[1] 40.14

UT vs LT p-value:[1] 0.2410361

1Y. Sagittal T5-T12 - mean

All
[1] 37.89

UT
[1] 38.23

LT
[1] 41.09

UT vs LT p-value:[1] 0.2449936

2Y. Sagittal T5-T12 - mean

All
[1] 38.81

UT
[1] 40.11

LT
[1] 41.18

UT vs LT p-value:[1] 0.6912301

5Y. Sagittal T5-T12 - mean

All

[1] 42.88

UT

[1] 40.71

LT

[1] 46.7

UT vs LT p-value:[1] 0.1257993

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

0.7293233

Preop vs 2y p-value

0.1194235

Preop vs 5y p-value

0.134036

6w vs 2y p-value

0.09816026

2y vs 5y p-value

0.8621364

6w vs 5y p-value
0.1377875

Sagittal T5-T12 tests LT
Preop vs 6w p-value
0.0002263382

Preop vs 2y p-value
4.139887e-07

Preop vs 5y p-value
1.057887e-07

6w vs 2y p-value
0.09942463

2y vs 5y p-value
0.09339375

6w vs 5y p-value
0.003352377

Sagittal T2-T12 - mean
All
[1] 35.22
UT
[1] 39.91
LT
[1] 33.38

UT vs LT p-value:[1] 0.06231162

6W. Sagittal T2-T12 - mean
All
[1] 44.77
UT
[1] 46.2
LT
[1] 45.58

UT vs LT p-value:[1] 0.8157152

6M. Sagittal T2-T12 - mean
All
[1] 48.38
UT
[1] 50.69
LT

[1] 49.05

UT vs LT p-value:[1] 0.5754632

1Y. Sagittal T2-T12 - mean

All

[1] 47.82

UT

[1] 51.14

LT

[1] 48.73

UT vs LT p-value:[1] 0.3992509

2Y. Sagittal T2-T12 - mean

All

[1] 47.67

UT

[1] 51.56

LT

[1] 47.93

UT vs LT p-value:[1] 0.2483952

5Y. Sagittal T2-T12 - mean

All

[1] 53.27

UT

[1] 54.6

LT

[1] 53.49

UT vs LT p-value:[1] 0.7919418

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
0.07120428

Preop vs 2y p-value
0.002271363

Preop vs 5y p-value
0.0007978842

6w vs 2y p-value
0.09367552

2y vs 5y p-value
0.4466002

6w vs 5y p-value
0.0277195

Sagittal T2-T12 tests LT
Preop vs 6w p-value
9.532226e-06

Preop vs 2y p-value
1.039873e-06

Preop vs 5y p-value
2.28897e-07

6w vs 2y p-value
0.3640691

2y vs 5y p-value
0.1101406

6w vs 5y p-value
0.01930236

Lordosis (top of L1-S1) - mean
All
[1] -33.34
UT
[1] -37.13

LT
[1] -32

UT vs LT p-value:[1] 0.1324747

6W. Lordosis (top of L1-S1) - mean
All
[1] -53.19
UT
[1] -55.41
LT
[1] -53.41

UT vs LT p-value:[1] 0.4437531

6M. Lordosis (top of L1-S1) - mean
All
[1] -51.8
UT
[1] -53.7
LT
[1] -52.64

UT vs LT p-value:[1] 0.6575971

1Y. Lordosis (top of L1-S1) - mean
All
[1] -50.21
UT
[1] -51.8
LT
[1] -50.95

UT vs LT p-value:[1] 0.7403

2Y. Lordosis (top of L1-S1) - mean
All
[1] -49.82
UT
[1] -52.11
LT
[1] -50.35

UT vs LT p-value:[1] 0.4893299

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

All

[1] -50.31

UT

[1] -51.16

LT

[1] -50.78

UT vs LT p-value:[1] 0.9092628

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

1.663928e-07

Preop vs 2y p-value

8.971258e-06

Preop vs 5y p-value

0.0002454054

6w vs 2y p-value

0.2416684

2y vs 5y p-value

0.7725226

6w vs 5y p-value
0.2042885

Lordosis (top of L1-S1) tests LT
Preop vs 6w p-value
6.464052e-12

Preop vs 2y p-value
1.548947e-09

Preop vs 5y p-value
1.626072e-08

6w vs 2y p-value
0.1889154

2y vs 5y p-value
0.8683615

6w vs 5y p-value
0.3164753

Pelvic Incidence - mean
All
[1] 57.33
UT
[1] 58.05
LT
[1] 57.09

UT vs LT p-value:[1] 0.7048287

6W. Pelvic Incidence - mean
All
[1] 57.51
UT
[1] 57.35
LT
[1] 57.69

UT vs LT p-value:[1] 0.8933454

6M. Pelvic Incidence - mean
All
[1] 57.44
UT
[1] 57.7
LT

[1] 57.58

UT vs LT p-value:[1] 0.9627459

1Y. Pelvic Incidence - mean

All

[1] 56.98

UT

[1] 57.12

LT

[1] 57.03

UT vs LT p-value:[1] 0.969961

2Y. Pelvic Incidence - mean

All

[1] 56.87

UT

[1] 56.78

LT

[1] 57.12

UT vs LT p-value:[1] 0.8961766

5Y. Pelvic Incidence - mean

All

[1] 57.15

UT

[1] 57.83

LT

[1] 57.29

UT vs LT p-value:[1] 0.8634318

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
0.8041958

Preop vs 2y p-value
0.6555537

Preop vs 5y p-value
0.9441941

6w vs 2y p-value
0.8418443

2y vs 5y p-value
0.7356601

6w vs 5y p-value
0.8759052

Pelvic Incidence tests LT
Preop vs 6w p-value
0.786399

Preop vs 2y p-value
0.9883745

Preop vs 5y p-value
0.9366251

6w vs 2y p-value
0.8018419

2y vs 5y p-value
0.947563

6w vs 5y p-value
0.8783383

Pelvic Tilt - mean
All
[1] 28.14
UT
[1] 29.38

LT
[1] 27.26

UT vs LT p-value:[1] 0.2271137

6W. Pelvic Tilt - mean
All
[1] 20.34
UT
[1] 19.08
LT
[1] 20.77

UT vs LT p-value:[1] 0.3418861

6M. Pelvic Tilt - mean
All
[1] 23.21
UT
[1] 23.18
LT
[1] 22.91

UT vs LT p-value:[1] 0.8688681

1Y. Pelvic Tilt - mean
All
[1] 23.64
UT
[1] 23.64
LT
[1] 23.77

UT vs LT p-value:[1] 0.9457442

2Y. Pelvic Tilt - mean
All
[1] 23.31
UT
[1] 23.09
LT
[1] 23.57

UT vs LT p-value:[1] 0.765077

5Y. Pelvic Tilt - mean

All

[1] 24.81

UT

[1] 25.6

LT

[1] 24.28

UT vs LT p-value:[1] 0.5414092

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

5.736509e-07

Preop vs 2y p-value

0.001064304

Preop vs 5y p-value

0.07763912

6w vs 2y p-value

0.02565724

2y vs 5y p-value

0.2088897

6w vs 5y p-value
0.002057593

Pelvic Tilt tests LT
Preop vs 6w p-value
6.752917e-05

Preop vs 2y p-value
0.01304572

Preop vs 5y p-value
0.1029524

6w vs 2y p-value
0.08118715

2y vs 5y p-value
0.7019291

6w vs 5y p-value
0.07086717

Sacral Slope - mean
All
[1] 29.17
UT
[1] 28.68
LT
[1] 29.76

UT vs LT p-value:[1] 0.6351505

6W. Sacral Slope - mean
All
[1] 37.17
UT
[1] 38.43
LT
[1] 36.87

UT vs LT p-value:[1] 0.4666164

6M. Sacral Slope - mean
All
[1] 34.2
UT
[1] 34.52
LT

[1] 34.64

UT vs LT p-value:[1] 0.9554193

1Y. Sacral Slope - mean

All

[1] 33.31

UT

[1] 33.44

LT

[1] 33.23

UT vs LT p-value:[1] 0.9144979

2Y. Sacral Slope - mean

All

[1] 33.8

UT

[1] 34.25

LT

[1] 33.6

UT vs LT p-value:[1] 0.7484465

5Y. Sacral Slope - mean

All

[1] 32.34

UT

[1] 32.23

LT

[1] 33.02

UT vs LT p-value:[1] 0.7323264

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
0.0001614065

Preop vs 2y p-value
0.02628577

Preop vs 5y p-value
0.1730269

6w vs 2y p-value
0.07304834

2y vs 5y p-value
0.40301

6w vs 5y p-value
0.01253971

Sacral Slope tests LT
Preop vs 6w p-value
0.0002468874

Preop vs 2y p-value
0.03475547

Preop vs 5y p-value
0.09824427

6w vs 2y p-value
0.0785702

2y vs 5y p-value
0.7618061

6w vs 5y p-value
0.05623723

RLL - mean
All
[1] -31.21
UT
[1] -27.86

LT
[1] -32.4

UT vs LT p-value:[1] 0.154616

6W. RLL - mean

All
[1] -11.43

UT
[1] -9.15

LT
[1] -11.29

UT vs LT p-value:[1] 0.3370016

6M. RLL - mean

All
[1] -12.81

UT
[1] -11.07

LT
[1] -12.06

UT vs LT p-value:[1] 0.6174753

1Y. RLL - mean

All
[1] -14.12

UT
[1] -12.61

LT
[1] -13.41

UT vs LT p-value:[1] 0.7288452

2Y. RLL - mean

All
[1] -14.36

UT
[1] -12.09

LT
[1] -13.9

UT vs LT p-value:[1] 0.4039805

5Y. RLL - mean

All

[1] -14.12

UT

[1] -13.69

LT

[1] -13.74

UT vs LT p-value:[1] 0.9873371

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

7.735522e-09

Preop vs 2y p-value

5.801655e-07

Preop vs 5y p-value

4.000946e-05

6w vs 2y p-value

0.2111799

2y vs 5y p-value

0.5618426

6w vs 5y p-value
0.1029905

RLL tests LT
Preop vs 6w p-value
1.92115e-13

Preop vs 2y p-value
2.325444e-11

Preop vs 5y p-value
2.790424e-09

6w vs 2y p-value
0.1986092

2y vs 5y p-value
0.9463958

6w vs 5y p-value
0.3168057

Global Tilt - mean
All
[1] 37.42
UT
[1] 38.93
LT
[1] 36.42

UT vs LT p-value:[1] 0.4184608

6W. Global Tilt - mean
All
[1] 21.56
UT
[1] 19.75
LT
[1] 21.97

UT vs LT p-value:[1] 0.3050412

6M. Global Tilt - mean
All
[1] 24.5
UT
[1] 23.01
LT

[1] 24.97

UT vs LT p-value:[1] 0.4004804

1Y. Global Tilt - mean

All

[1] 25.86

UT

[1] 24.41

LT

[1] 27.15

UT vs LT p-value:[1] 0.2963713

2Y. Global Tilt - mean

All

[1] 27.44

UT

[1] 26.5

LT

[1] 28.09

UT vs LT p-value:[1] 0.5298836

5Y. Global Tilt - mean

All

[1] 29.59

UT

[1] 28.96

LT

[1] 30.76

UT vs LT p-value:[1] 0.6224227

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
5.59285e-09

Preop vs 2y p-value
0.0001586354

Preop vs 5y p-value
0.004912815

6w vs 2y p-value
0.007881775

2y vs 5y p-value
0.4229919

6w vs 5y p-value
0.002004502

Global Tilt tests LT
Preop vs 6w p-value
1.112664e-08

Preop vs 2y p-value
0.0009521047

Preop vs 5y p-value
0.09106801

6w vs 2y p-value
0.006702508

2y vs 5y p-value
0.4090431

6w vs 5y p-value
0.00687607

T1 Sagittal Tilt - mean
All
[1] 0.9
UT
[1] 0.86

LT
[1] 0.87

UT vs LT p-value:[1] 0.9916898

6W. T1 Sagittal Tilt - mean
All
[1] -3.54
UT
[1] -3.74
LT
[1] -3.71

UT vs LT p-value:[1] 0.9714292

6M. T1 Sagittal Tilt - mean
All
[1] -4.06
UT
[1] -5.5
LT
[1] -3.17

UT vs LT p-value:[1] 0.00597074

1Y. T1 Sagittal Tilt - mean
All
[1] -3.73
UT
[1] -4.92
LT
[1] -2.97

UT vs LT p-value:[1] 0.09418523

2Y. T1 Sagittal Tilt - mean
All
[1] -2.81
UT
[1] -3.44
LT
[1] -2.42

UT vs LT p-value:[1] 0.3055629

5Y. T1 Sagittal Tilt - mean

All

[1] -1.77

UT

[1] -3.39

LT

[1] 0.03

UT vs LT p-value:[1] 0.02231991

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

0.0004759627

Preop vs 2y p-value

0.001144449

Preop vs 5y p-value

0.002342076

6w vs 2y p-value

0.7670634

2y vs 5y p-value

0.9652215

6w vs 5y p-value
0.7533782

T1 Sagittal Tilt tests LT
Preop vs 6w p-value
7.165564e-05

Preop vs 2y p-value
0.006555795

Preop vs 5y p-value
0.5872806

6w vs 2y p-value
0.1287851

2y vs 5y p-value
0.07761634

6w vs 5y p-value
0.005681698

Thoracolumbar L2-T10 - mean
All
[1] 10.09
UT
[1] 16.55
LT
[1] 6.2

UT vs LT p-value:[1] 0.009809645

6W. Thoracolumbar L2-T10 - mean
All
[1] 7.5
UT
[1] 6.13
LT
[1] 8.15

UT vs LT p-value:[1] 0.2979986

6M. Thoracolumbar L2-T10 - mean
All
[1] 7.8
UT
[1] 6.29
LT

[1] 9.75

UT vs LT p-value:[1] 0.07149419

1Y. Thoracolumbar L2-T10 - mean

All

[1] 7.45

UT

[1] 6.34

LT

[1] 9.2

UT vs LT p-value:[1] 0.1664197

2Y. Thoracolumbar L2-T10 - mean

All

[1] 7.41

UT

[1] 4.77

LT

[1] 10.82

UT vs LT p-value:[1] 0.01483952

5Y. Thoracolumbar L2-T10 - mean

All

[1] 7.89

UT

[1] 3.08

LT

[1] 12.78

UT vs LT p-value:[1] 0.007065408

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
0.006293502

Preop vs 2y p-value
0.002521864

Preop vs 5y p-value
0.000777807

6w vs 2y p-value
0.5388478

2y vs 5y p-value
0.4932721

6w vs 5y p-value
0.1966093

Thoracolumbar L2-T10 tests LT
Preop vs 6w p-value
0.4031079

Preop vs 2y p-value
0.08629132

Preop vs 5y p-value
0.06847461

6w vs 2y p-value
0.2249391

2y vs 5y p-value
0.5732357

6w vs 5y p-value
0.1549637

RSA - mean
All
[1] 24.9
UT
[1] 26.06


```
LT
[1] 24.03

UT vs LT p-value:[1] 0.4641439
```

```
6W. RSA - mean
All
[1] 8.86
UT
[1] 7.16
LT
[1] 9.11

UT vs LT p-value:[1] 0.2369487
```

```
6M. RSA - mean
All
[1] 11.92
UT
[1] 10.28
LT
[1] 12.33

UT vs LT p-value:[1] 0.2443634
```

```
1Y. RSA - mean
All
[1] 13.47
UT
[1] 11.97
LT
[1] 14.71

UT vs LT p-value:[1] 0.1772613
```

```
2Y. RSA - mean
All
[1] 15.04
UT
[1] 13.79
LT
[1] 15.79
```

UT vs LT p-value:[1] 0.3185885

5Y. RSA - mean

All

[1] 17.16

UT

[1] 16.2

LT

[1] 18.26

UT vs LT p-value:[1] 0.4808679

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

1.783886e-10

Preop vs 2y p-value

1.99111e-05

Preop vs 5y p-value

0.001191172

6w vs 2y p-value

0.0007649056

2y vs 5y p-value

0.3180437

6w vs 5y p-value
0.0001421322

RSA tests LT
Preop vs 6w p-value
9.953301e-12

Preop vs 2y p-value
0.0001126156

Preop vs 5y p-value
0.03812072

6w vs 2y p-value
0.0002195756

2y vs 5y p-value
0.3412786

6w vs 5y p-value
0.0005985329

RPV - mean
All
[1] -13.66
UT
[1] -14.56
LT
[1] -12.92

UT vs LT p-value:[1] 0.2860396

6W. RPV - mean
All
[1] -5.76
UT
[1] -4.4
LT
[1] -6.16

UT vs LT p-value:[1] 0.2394746

6M. RPV - mean
All
[1] -8.69
UT
[1] -8.52
LT

```
[1] -8.33

UT vs LT p-value:[1] 0.8859282
```

```
1Y. RPV - mean
All
[1] -9.31
UT
[1] -9.27
LT
[1] -9.42

UT vs LT p-value:[1] 0.9136583
```

```
2Y. RPV - mean
All
[1] -8.76
UT
[1] -8.25
LT
[1] -9.1

UT vs LT p-value:[1] 0.5173185
```

```
5Y. RPV - mean
All
[1] -10.38
UT
[1] -10.89
LT
[1] -9.79

UT vs LT p-value:[1] 0.4923841
```

```
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
3.184183e-08

Preop vs 2y p-value
0.0002351296

Preop vs 5y p-value
0.0389132

6w vs 2y p-value
0.01221239

2y vs 5y p-value
0.09781836

6w vs 5y p-value
0.0001409533

RPV tests LT
Preop vs 6w p-value
1.145975e-06

Preop vs 2y p-value
0.001443021

Preop vs 5y p-value
0.02488087

6w vs 2y p-value
0.02551705

2y vs 5y p-value
0.614493

6w vs 5y p-value
0.01642413

Quality of Life

ODI - Score (%) - mean
All

[1] 45.39

UT

[1] 43.31

LT

[1] 48.3

UT vs LT p-value:[1] 0.138456

6M. ODI - Score (%) - mean

All

[1] 33.19

UT

[1] 32.33

LT

[1] 33.3

UT vs LT p-value:[1] 0.7860108

1Y. ODI - Score (%) - mean

All

[1] 32.07

UT

[1] 31.21

LT

[1] 32.51

UT vs LT p-value:[1] 0.6991855

2Y. ODI - Score (%) - mean

All

[1] 34.97

UT

[1] 30.85

LT

[1] 36.92

UT vs LT p-value:[1] 0.1562687

5Y. ODI - Score (%) - mean

All

[1] 37.47

UT

[1] 34.92
LT
[1] 38.46

UT vs LT p-value:[1] 0.4803839

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

6w vs 5y p-value
6.517998e-34

ODI - Score (%) tests UT
Preop vs 6m p-value
0.004359141

Preop vs 2y p-value
0.003450846

Preop vs 5y p-value
0.09027846

6m vs 2y p-value
0.72591

2y vs 5y p-value
0.4376713

6w vs 5y p-value
1.817713e-12

ODI - Score (%) tests LT
Preop vs 6m p-value
9.37933e-06

Preop vs 2y p-value
0.001365108

Preop vs 5y p-value
0.005919652

6m vs 2y p-value
0.2378699

2y vs 5y p-value
0.6966599

6w vs 5y p-value
3.60124e-22

SRS22 - Function / Activity - mean
All
[1] 2.74
UT
[1] 2.85
LT
[1] 2.59

UT vs LT p-value:[1] 0.05511297

6M. SRS22 - Function / Activity - mean
All
[1] 2.99
UT
[1] 3.04
LT
[1] 2.98

UT vs LT p-value:[1] 0.6407194

1Y. SRS22 - Function / Activity - mean
All
[1] 3.08
UT
[1] 3.07
LT
[1] 3.01

UT vs LT p-value:[1] 0.6580784

2Y. SRS22 - Function / Activity - mean
All
[1] 3.15

UT
[1] 3.24
LT
[1] 3.12

UT vs LT p-value:[1] 0.464053

5Y. SRS22 - Function / Activity - mean
All
[1] 3.19
UT
[1] 3.33
LT
[1] 3.11

UT vs LT p-value:[1] 0.2540803

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

6w vs 5y p-value
3.606983e-13

SRS22 - Function / Activity tests UT
Preop vs 6m p-value
0.1276993

Preop vs 2y p-value
0.01573023

Preop vs 5y p-value
0.01044835

6m vs 2y p-value
0.1793191

2y vs 5y p-value
0.6653166

6w vs 5y p-value
2.067139e-13

SRS22 - Function / Activity tests LT
Preop vs 6m p-value
0.0002102953

Preop vs 2y p-value
0.0001318648

Preop vs 5y p-value
0.0006075494

6m vs 2y p-value
0.5243242

2y vs 5y p-value
0.9208224

6w vs 5y p-value
4.909452e-13

SRS22 - Pain - mean
All
[1] 2.3
UT
[1] 2.3
LT
[1] 2.22

UT vs LT p-value:[1] 0.571902

6M. SRS22 - Pain - mean
All
[1] 3.31
UT
[1] 3.32
LT
[1] 3.32

UT vs LT p-value:[1] 0.9749666

1Y. SRS22 - Pain - mean
All

```
[1] 3.37
UT
[1] 3.34
LT
[1] 3.39
```

```
UT vs LT p-value:[1] 0.8053658
```

```
2Y. SRS22 - Pain - mean
```

```
All
```

```
[1] 3.31
```

```
UT
```

```
[1] 3.55
```

```
LT
```

```
[1] 3.24
```

```
UT vs LT p-value:[1] 0.1586165
```

```
5Y. SRS22 - Pain - mean
```

```
All
```

```
[1] 3.09
```

```
UT
```

```
[1] 3.13
```

```
LT
```

```
[1] 3.07
```

```
UT vs LT p-value:[1] 0.8142032
```

```
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
```

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

5.316567e-13

SRS22 - Pain tests UT

Preop vs 6m p-value

1.065709e-08

Preop vs 2y p-value

5.538537e-09

Preop vs 5y p-value

0.0008853114

6m vs 2y p-value

0.2399515

2y vs 5y p-value

0.1091694

6w vs 5y p-value

4.671229e-13

SRS22 - Pain tests LT

Preop vs 6m p-value

1.115399e-10

Preop vs 2y p-value

1.556111e-07

Preop vs 5y p-value

1.326198e-05

6m vs 2y p-value

0.6755068

2y vs 5y p-value

0.4264022

6w vs 5y p-value

5.712676e-13

SRS22 - Self image / Appearance - mean

All

[1] 2.05

UT

[1] 1.87

LT

[1] 2.14

UT vs LT p-value:[1] 0.01954816

6M. SRS22 - Self image / Appearance - mean

All
[1] 3.3
UT
[1] 3.48
LT
[1] 3.24

UT vs LT p-value:[1] 0.1421289

1Y. SRS22 - Self image / Appearance - mean
All
[1] 3.33
UT
[1] 3.35
LT
[1] 3.32

UT vs LT p-value:[1] 0.8747993

2Y. SRS22 - Self image / Appearance - mean
All
[1] 3.19
UT
[1] 3.43
LT
[1] 3.08

UT vs LT p-value:[1] 0.0580529

5Y. SRS22 - Self image / Appearance - mean
All
[1] 3.08
UT
[1] 3.29
LT
[1] 2.96

UT vs LT p-value:[1] 0.1417772

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

6w vs 5y p-value
5.367606e-13

SRS22 - Self image / Appearance tests UT
Preop vs 6m p-value
1.892906e-16

Preop vs 2y p-value
5.130801e-14

Preop vs 5y p-value
1.721936e-09

6m vs 2y p-value
0.7945165

2y vs 5y p-value
0.543378

6w vs 5y p-value
2.487551e-13

SRS22 - Self image / Appearance tests LT
Preop vs 6m p-value
6.535681e-13

Preop vs 2y p-value
8.544067e-10

Preop vs 5y p-value
2.967336e-07

6m vs 2y p-value
0.02032001

2y vs 5y p-value
0.4999885

6w vs 5y p-value
8.610168e-13

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

UT vs LT p-value:[1] 0.9991302
```

```
6M. SRS22 - Mental health - mean
All
[1] 3.41
UT
[1] 3.55
LT
[1] 3.37

UT vs LT p-value:[1] 0.2727963
```

```
1Y. SRS22 - Mental health - mean
All
[1] 3.48
UT
[1] 3.55
LT
[1] 3.48

UT vs LT p-value:[1] 0.674828
```

```
2Y. SRS22 - Mental health - mean
All
[1] 3.33
UT
[1] 3.57
LT
[1] 3.25

UT vs LT p-value:[1] 0.1108344
```

```
5Y. SRS22 - Mental health - mean
All
```

[1] 3.3
UT
[1] 3.45
LT
[1] 3.23

UT vs LT p-value:[1] 0.3188781

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

6w vs 5y p-value
2.342302e-13

SRS22 - Mental health tests UT
Preop vs 6m p-value
0.001241491

Preop vs 2y p-value
0.002757877

Preop vs 5y p-value
0.01920686

6m vs 2y p-value
0.9547857

2y vs 5y p-value
0.6039477

6w vs 5y p-value
1.338575e-13

SRS22 - Mental health tests LT
Preop vs 6m p-value
0.0002647627

Preop vs 2y p-value

0.03045711

Preop vs 5y p-value
0.0690852

6m vs 2y p-value
0.08376415

2y vs 5y p-value
0.8786229

6w vs 5y p-value
3.080019e-13

SRS22 - SRS Subtotal score - mean

All

[1] 2.51

UT

[1] 2.48

LT

[1] 2.47

UT vs LT p-value:[1] 0.9191315

6M. SRS22 - SRS Subtotal score - mean

All

[1] 3.26

UT

[1] 3.35

LT

[1] 3.22

UT vs LT p-value:[1] 0.2892153

1Y. SRS22 - SRS Subtotal score - mean

All

[1] 3.32

UT

[1] 3.34

LT

[1] 3.31

UT vs LT p-value:[1] 0.8439715

2Y. SRS22 - SRS Subtotal score - mean

All
[1] 3.24
UT
[1] 3.44
LT
[1] 3.17

UT vs LT p-value:[1] 0.1044387

5Y. SRS22 - SRS Subtotal score - mean
All
[1] 3.17
UT
[1] 3.3
LT
[1] 3.1

UT vs LT p-value:[1] 0.2994017

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

6w vs 5y p-value
3.907577e-13

SRS22 - SRS Subtotal score tests UT
Preop vs 6m p-value
1.243987e-10

Preop vs 2y p-value
1.434867e-08

Preop vs 5y p-value
2.489603e-05

6m vs 2y p-value
0.5739062

2y vs 5y p-value
0.4836256

6w vs 5y p-value
2.35703e-13

SRS22 - SRS Subtotal score tests LT
Preop vs 6m p-value
2.506969e-11

Preop vs 2y p-value
3.605091e-07

Preop vs 5y p-value
1.476828e-05

6m vs 2y p-value
0.1842041

2y vs 5y p-value
0.6196713

6w vs 5y p-value
5.138926e-13

SF36 - PCS - mean
All
[1] 33.2
UT
[1] 33.13
LT
[1] 32.14

UT vs LT p-value:[1] 0.4785594

6M. SF36 - PCS - mean
All
[1] 37.7
UT
[1] 38.15
LT
[1] 37.62

UT vs LT p-value:[1] 0.7451637

```
1Y. SF36 - PCS - mean
All
[1] 38.61
UT
[1] 39.05
LT
[1] 37.68

UT vs LT p-value:[1] 0.3905862
```

```
2Y. SF36 - PCS - mean
All
[1] 39.16
UT
[1] 40.25
LT
[1] 38.37

UT vs LT p-value:[1] 0.3206407
```

```
5Y. SF36 - PCS - mean
All
[1] 37.42
UT
[1] 38.7
LT
[1] 36.37

UT vs LT p-value:[1] 0.3195528
```

```
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
```

6w vs 5y p-value
1.018515e-63

SF36 - PCS tests UT
Preop vs 6m p-value
0.003930214

Preop vs 2y p-value
0.0002282296

Preop vs 5y p-value
0.01158439

6m vs 2y p-value
0.285715

2y vs 5y p-value
0.5111

6w vs 5y p-value
1.652374e-30

SF36 - PCS tests LT
Preop vs 6m p-value
0.0002039053

Preop vs 2y p-value
3.558592e-05

Preop vs 5y p-value
0.01290518

6m vs 2y p-value
0.8979378

2y vs 5y p-value
0.2795708

6w vs 5y p-value
7.836835e-42

SF36 - MCS - mean
All
[1] 40.67
UT
[1] 41.96
LT
[1] 40.11

UT vs LT p-value:[1] 0.433693

```
6M. SF36 - MCS - mean
All
[1] 45.61
UT
[1] 47.85
LT
[1] 45.78

UT vs LT p-value:[1] 0.3853768
```

```
1Y. SF36 - MCS - mean
All
[1] 45.48
UT
[1] 44.99
LT
[1] 46.69

UT vs LT p-value:[1] 0.5068176
```

```
2Y. SF36 - MCS - mean
All
[1] 45.14
UT
[1] 46.28
LT
[1] 45.41

UT vs LT p-value:[1] 0.7166485
```

```
5Y. SF36 - MCS - mean
All
[1] 44.58
UT
[1] 45.99
LT
[1] 44.16

UT vs LT p-value:[1] 0.4863939
```

```
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

6w vs 5y p-value
9.336918e-70

SF36 - MCS tests UT
Preop vs 6m p-value
0.02431659

Preop vs 2y p-value
0.09991349

Preop vs 5y p-value
0.1417428

6m vs 2y p-value
0.5421883

2y vs 5y p-value
0.9176471

6w vs 5y p-value
2.529305e-31

SF36 - MCS tests LT
Preop vs 6m p-value
0.001262495

Preop vs 2y p-value
0.01375908

Preop vs 5y p-value
0.07457433

6m vs 2y p-value
0.3032342

2y vs 5y p-value
0.5847462

6w vs 5y p-value

1.33258e-40

Surgery

Total Operative Blood Loss st1+st2+st3 - mean

All

[1] 2038.09

UT

[1] 1995.02

LT

[1] 2132.3

UT vs LT p-value:[1] 0.5900444

Total surgical time st1+st2+st3 - mean

All

[1] 315.83

UT

[1] 322

LT

[1] 334.79

UT vs LT p-value:[1] 0.7179277

Number of Posterior Instrumented Levels - mean

All

[1] 10.67

UT

[1] 14.51

LT

[1] 9.27

UT vs LT p-value:[1] 1.626679e-16

Pelvic fixation - table

All

variable

Yes

134

UT

variable

Yes

50

LT

variable
Yes
66

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
2	41
Posterior-Anterior	Posterior-Posterior-Anterior
6	1

LT
variable

Posterior	Posterior-Anterior
62	4

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
0.04	0.82
Posterior-Anterior	Posterior-Posterior-Anterior
0.12	0.02

LT
variable

Posterior	Posterior-Anterior
-----------	--------------------

0.93939394 0.06060606

Number of Interbody Fusions - mean

All

[1] 1.17

UT

[1] 1.22

LT

[1] 1.27

UT vs LT p-value:[1] 0.8399707

Decompression - table

All

variable

No Yes

101 33

UT

variable

No Yes

42 8

LT

variable

No Yes

49 17

Decompression - proportion

All

variable

No Yes
0.7537313 0.2462687

UT

variable

No Yes
0.84 0.16

LT

variable

No Yes
0.7424242 0.2575758

Interbody Fusion - table

All

variable

No Yes
52 82

UT

variable

No Yes
 19 31
 LT
 variable
 No Yes
 23 43

Interbody Fusion - proportion

All
 variable
 No Yes
 0.3880597 0.6119403
 UT
 variable
 No Yes
 0.38 0.62
 LT
 variable
 No Yes
 0.3484848 0.6515152

Osteotomy - table

All
 variable
 No Yes
 53 81
 UT
 variable
 No Yes
 21 29
 LT
 variable
 No Yes
 27 39

Osteotomy - proportion

All
 variable
 No Yes
 0.3955224 0.6044776
 UT
 variable
 No Yes
 0.42 0.58
 LT
 variable
 No Yes
 0.4090909 0.5909091

3C0 - table

```

All
variable
  No Yes
100  34
UT
variable
  No Yes
  41   9
LT
variable
  No Yes
  49  17

3CO - proportion
All
variable
  No      Yes
0.7462687 0.2537313
UT
variable
  No  Yes
0.82 0.18
LT
variable
  No      Yes
0.7424242 0.2575758

```

Reinterventions

```

      group reiqs patients total
1:   all    168         56    134
2:   UT     62         20     50
3:   LT     91         28     66

      p_val_1_total p_val_2_total p_val_1_2
1 1.774297e-12 1.976333e-06 0.02328012

```

Impacts

```

Complication Impact all_num all_patients UT_num UT_patients LT_num
1:           0         1         1         0         0         1
2:      Adverse Event         4         3         1         1         0
3: Major Complication        197        65        66        22        105
4: Minor Complication        162        83        59        29         84
      LT_patients total_all UT LT p_val_1_total p_val_2_total p_val_1_2
1:           1        134 50 66 1.000000e+00 1.0000000000 1.00000000
2:           0        134 50 66 6.250000e-01 0.2500000000 1.00000000
3:          33        134 50 66 4.348703e-06 0.0016005802 0.1770014
4:          43        134 50 66 3.290846e-07 0.0004639398 0.1249182

```

Categories

	Category of the complication	all_num	all_patients	UT_num	UT_patients			
1:	Central neurologic complications	2	2	1	1			
2:	Iatrogenic	32	25	11	8			
3:	Infectious complications	18	14	5	4			
4:	Mechanical complications	197	85	78	31			
5:	Other complications	70	36	19	11			
6:	Pain	10	10	5	5			
7:	Peripheral neurologic complications	35	28	7	6			
	LT_num	LT_patients	total_all	UT	LT	p_val_1_total	p_val_2_total	p_val_1_2
1:	0	0	134	50	66	1.000000e+00	0.5000000000	1.00000000
2:	17	14	134	50	66	4.551384e-03	0.1081290214	0.28627872
3:	7	6	134	50	66	3.088379e-02	0.1153182983	0.75390625
4:	104	46	134	50	66	5.444609e-07	0.0008320421	0.11001560
5:	40	22	134	50	66	3.460011e-04	0.0869488997	0.08014331
6:	4	4	134	50	66	3.017578e-01	0.1795654297	1.00000000
7:	18	14	134	50	66	1.951256e-04	0.0435585219	0.11531830

Categories Major Complications

	Category of the complication	all_num	all_patients	UT_num	UT_patients			
1:	Central neurologic complications	2	2	1	1			
2:	Iatrogenic	11	10	3	3			
3:	Infectious complications	17	13	5	4			
4:	Mechanical complications	121	47	43	18			
5:	Other complications	28	17	7	5			
6:	Pain	7	7	5	5			
7:	Peripheral neurologic complications	11	8	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	50	66	1.0000000000	0.5000000000	1.00000000
2:	8	7	134	50	66	0.0922851563	0.629058838	0.3437500
3:	6	5	134	50	66	0.0490417480	0.096252441	1.00000000
4:	68	23	134	50	66	0.0004221303	0.005582667	0.5327093
5:	16	11	134	50	66	0.0169005394	0.344928451	0.2101135
6:	1	1	134	50	66	0.7744140625	0.070312500	0.2187500
7:	6	4	134	50	66	0.1093750000	0.387695312	0.6875000