

Supplementary Table 3. Comparison of radiographic sagittal parameters preoperatively and at 1-year follow-up for procedures performed at L4–5 in patients with diagnosis of spinal stenosis or spondylolisthesis

Variable	Uniplanar (n = 23)	Biplanar (n = 27)	p-value [†]
Sacral slope (°)			
Preoperative	37.4 ± 8.18	34.8 ± 7.32	0.114
Postoperative	33.5 ± 8.74	32.2 ± 8.69	0.572
Δ Value	-0.42 ± 5.86	-1.54 ± 5.61	0.662
p-value [‡]	0.152	0.745	
Pelvic tilt (°)			
Preoperative	26.6 ± 7.12	28.9 ± 7.53	0.344
Postoperative	29.2 ± 7.12	27.8 ± 9.09	0.855
Δ Value	0.05 ± 5.27	0.79 ± 7.44	0.741
p-value [‡]	0.312	0.872	
Lumbar lordosis (°)			
Preoperative	42.5 ± 13.9	45.9 ± 11.4	0.430
Postoperative	44.3 ± 10.8	46.4 ± 13.8	0.752
Δ Value	2.06 ± 7.45	1.24 ± 8.07	0.207
p-value [‡]	0.338	0.878	
Segmental lordosis (°)			
Preoperative	4.39 ± 3.28	4.92 ± 4.15	0.422
Postoperative	7.04 ± 2.89	7.11 ± 3.75	0.951
Δ Value	3.15 ± 4.29	2.19 ± 3.68	0.453
p-value [‡]	0.071	0.003*	
PI-LL (°)			
Preoperative	22.5 ± 11.7	16.4 ± 11.9	0.071
Postoperative	18.4 ± 8.16	15.3 ± 14.4	0.842
Δ Value	-2.43 ± 11.2	0.79 ± 11.2	0.377
p-value [‡]	0.297	0.757	

Values are presented as mean ± standard deviation.

PI-LL, pelvic incidence-lumbar lordosis mismatch.

*p < 0.05, statistically significant differences. [†]Independent-samples t-test or Mann-Whitney U-test comparing uniplanar and biplanar cages.

[‡]Paired-sample test or Wilcoxon rank-sum test comparing preoperative and postoperative values.