

Supplementary Table 6. Subgroup analysis of fusion rate*							
Fusion modalities	Studies	Percutaneous group		Open group		Follow-up†	OR (95% CI)
		Fusion success (%)	Total number of patients	Fusion success (%)	Total number of patients		
Overall fusion success							
TLIF	6 ^{19, 21, 22, 25 - 27}	241 (96.0)	251	242 (97.6)	248	24.1±2.6, 24.3±2.6‡	0.7 (0.2 to 2.0)
PLIF	2 ^{23, 29}	68 (98.6)	69	56 (94.9)	59	11.8±0.4, 15.4±4.7	2.5 (0.3 to 19.9)
PLF	1 ²⁴	42 (97.7)	43	37 (100)	37	32±0, 40±0	0.4 (0.01 to 9.6)
Overall	9 ^{19, 21 - 27, 29}	351 (96.7)	363	335 (97.4)	344	22.2±6.8, 24.1±7.6	0.9 (0.3 to 2.1)
Fusion success of patients with spondylolisthesis							
TLIF	2 ^{19, 26}	91 (98.9)	92	92 (98.9)	93	25.2±1.6, 25.2±1.6	1.0 (0.06 to 16.1)
PLF	1 ²⁴	42 (97.7)	43	37 (100)	37	32±0, 40±0	0.4 (0.01 to 9.6)
Overall	3 ^{19, 24, 26}	133 (98.5)	135	129 (99.2)	130	27.4±4.1, 30.1±8.7	0.6 (0.08 to 5.4)
Fusion success of patients with mixed diagnoses							
TLIF	4 ^{21, 22, 25, 27}	150 (94.3)	159	150 (96.8)	155	23.5±3.0, 23.9±3.1	0.7 (0.2 to 2.1)
PLIF	2 ^{23, 29}	68 (98.6)	69	56 (94.9)	59	11.8±0.4, 15.4±4.7	2.5 (0.3 to 19.9)
Overall	6 ^{21 - 23, 25, 27, 29}	218 (95.6)	228	206 (96.3)	214	19.6±6.5, 21.0±5.4	0.9 (0.3 to 2.5)
*OR = odds ratio, CI = confidence interval, TLIF = transforaminal lumbar interbody fusion, PLIF = posterior lumbar interbody fusion, PLF = posterolateral fusion, The values are given as the number of patients. †The values are given as the mean ± standard deviation. ‡The values appear in order of percutaneous group and open group.							