

**Supplementary Table 1.** Subgroup analysis of prognosis in patients with single/double fused segment

Group	No.	Prognosis evaluation							
		Delta VAS of low back <sup>†</sup>	p-value	Delta VAS of leg <sup>†</sup>	p-value	Fused (yes/no)	p-value	Subsidence (yes/no)	p-value
Single segment									
OLIF	13	4.0 (3.0–6.0)	0.262	3.0 (0–5.0)	0.592	11/2	0.811	8/5	0.440
OLIF-AF	7	3.0 (0–4.0)		4.0 (0–4.0)		7/0		3/4	
OLIF-PF	19	3.0 (0–5.0)		3.0 (0–6.0)		17/2		7/12	
Double segments									
OLIF	12	4.0 (2.0–5.0)	0.458	3.0 (0–4.0)	0.761	10/2	0.648	9/3	0.091
OLIF-AF	12	4.0 (1.0–6.0)		2.0 (0–5.0)		10/2		7/5	
OLIF-PF	8	4.0 (2.0–4.0)		2.5 (0–4.0)		8/0		2/6	

Values are presented as median (range).

VAS, visual analogue scale; OLIF, oblique lateral interbody fusion; OLIF-AF, OLIF combined with anterolateral screw fixation; OLIF-PF, OLIF combined with percutaneous pedicle screw fixation.

<sup>†</sup>The delta VAS of low back/leg was calculated as the pre-VAS score minus follow-up VAS.