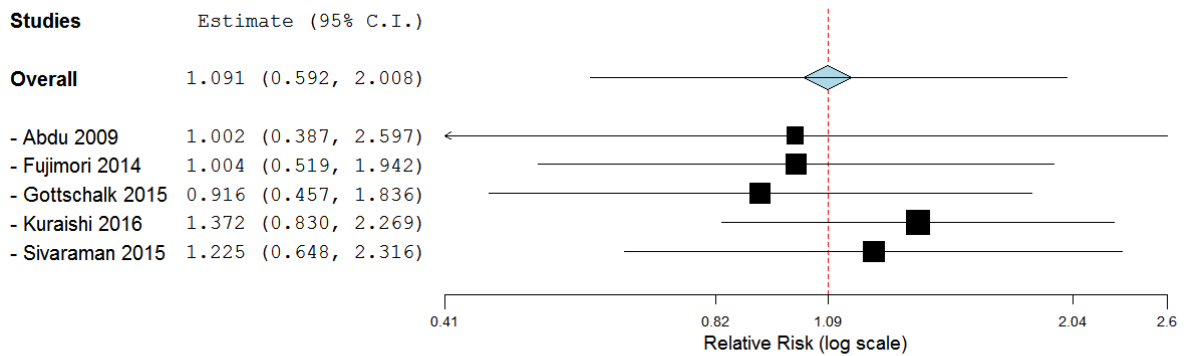


Study	Instrumentation for PLF	Instrumentation for PLIF/TLIF	Definition of instability	Pre/postoperative slip (mm)	Pre/postoperative slip local disc angle (deg)
Abdu et al	80/293 (27.3%) had in-situ fusion. 213/293 (72.7%) had instrumentation with pedicle screws	Pedicle screw + interbody	Change of more than 10° of angulation or more than 4mm of translation of the vertebrae between flexion and extension. 3/80 (3.75%) of PLF group was unstable. 4/63 (6.3%) of PLIF/TLIF group was unstable.	NR	NR
Fujimori et al	Pedicle screws	Pedicle screws and interbody		PLF: 5.2±3.5 mm / 4.1±3.1 mm PLIF/TLIF: 5.3±2.9 mm / 1.7±2.3 mm	PLF: 4.2±3.5 / 4.5±2.6 deg PLIF/TLIF: 6±4.3/6±3.9 deg
Gottschalk et al	Pedicle screws	Pedicle screws + interbody	NR	NR	NR
Ha et al	Pedicle screws	Pedicle screws + interbody	Degree of slip >4mm and slip angle >10°. PLF: 8/21 (38.1%) unstable. PLIF/TLIF: 8/19 (42.1%) unstable	NR	PLF (stable): 3.8± 5.7 /6.4± 5.4 deg PLF (unstable): 6.9± 3.2 / 5.4± 5.7 deg PLIF/TLIF (stable): 6.1 ± 6.7/ 3.0 ± 5.3 deg PLIF/TLIF (unstable): 6.0 ± 9.1/ 5.7 ± 5.8 deg
Kuraishi et al	Pedicle screws	Pedicle screws + interbody	Meyerding grade II or more, slip ≥10 deg, or ≥4mm in maximum flexion/extension, and posterior opening ≥5 deg in maximum flexion	PLF: 7.2±3.9 / 6.4±4.1 mm. PLIF/TLIF: 5.7±3.0/ 1.8±2.6 mm.	PLF: 2.9°±7.2° / -0.5°±8.9° PLIF/TLIF: 6.9°±6.2° / 8.9°±5.7°

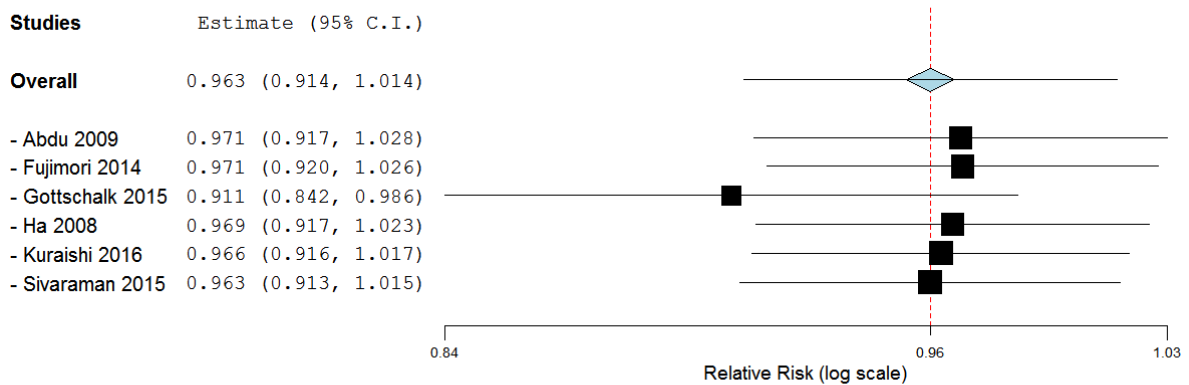
Sivaraman et al	Pedicle screws	Pedicle screws + interbody	NR	NR	PLF: 16.6 / 22.7 deg PLIF/TLIF: 15.6 / 21.2 deg
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NR, not reported

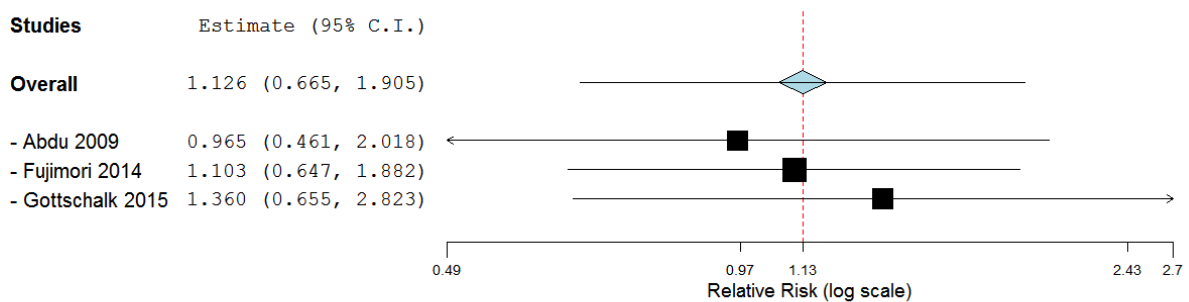
Supplementary Figure 1. Sensitivity analysis of complication rate



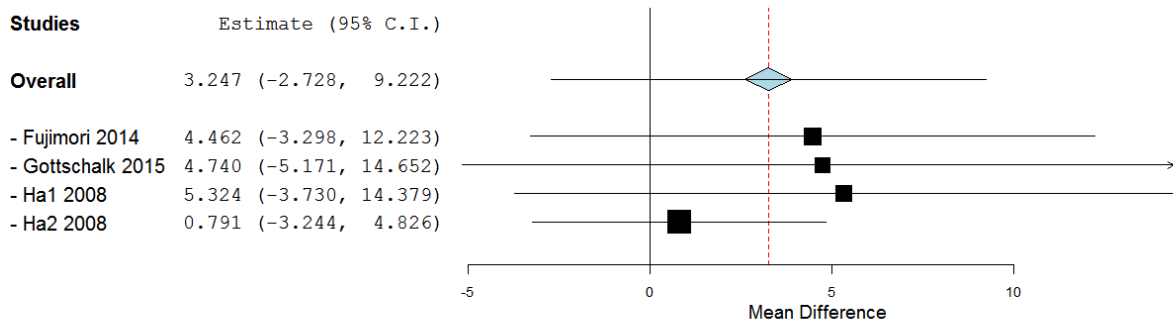
Supplementary Figure 2. Sensitivity analysis of fusion rate



Supplementary Figure 3. Sensitivity analysis of reoperations



Supplementary Figure 4. Sensitivity analysis of postoperative ODI scores



Supplementary Figure 5. Sensitivity analysis of postoperative VAS scores

