

Supplementary Table 2. The certainty assessment of evidences based on GRADE (Grading of Recommendations Assessment, Development, and Evaluation)

Risk factors	Certainty assessment					Effect		Certainty
	Study design	Risk of bias	Inconsistency	Indirectness	Imprecision	Sample size	OR (95% CI)	
Patient's age at surgery ^{47,51-52}	Retrospective cohort	Not serious	Not serious	Not serious	Not serious	9,360	0.530–11.786	⊕⊕⊕○ Moderate
BMI ^{21,52,64}	Retrospective cohort	Not serious	Not serious	Not serious	Not serious	503	0.796–1.867	⊕⊕○○ Low
Diabetes mellitus ^{50,51,64}	Retrospective case-control and retrospective cohort	Not serious	Not serious	Not serious	Not serious	1,002	0.400–12.761	⊕⊕○○ Low
The presence of kyphosis ^{21,53}	Retrospective cohort	Not serious	Not serious	Not serious	Not serious	378	0.612–15.100	⊕⊕○○ Low
Blood loss ^{52,53}	Retrospective cohort	Not serious	Not serious	Not serious	Not serious	438	1.000–8.590	⊕⊕○○ Low
Preoperative neurologic deficits ^{21,47,53,55}	Retrospective cohort	Not serious	Not serious	Not serious	Not serious	9,324	0.939–713.320	⊕⊕⊕○ Moderate

OR, odds ratio; CI, confidence interval.