

Supplementary Table 1. Search Strategies for PubMed, Embase, and Cochrane Library

Database: PubMed <up to October 8, 2017>	
1	Spine/ or lumbar vertebrae/ (193808)
2	Limit 1 to (English language and humans and ages 19+) (81049)
3	Spine fusion/ or arthrodesis/ (38808)
4	Limit 3 to (English language and humans and ages 19+) (17392)
5	Minimally invasive / or mini-open/ or minimal access/ (1993)
6	Limit 5 to (English language and humans and ages 19+) (900)
7	2 and 6 (576)
8	4 and 6 (236)
9	7 or 8 (745)
Database: Embase <up to October 8, 2017>	
1	Spine/ or lumbar spine/ or lumbar vertebra/or lumbosacral spine/ (194628)
2	Limit 1 to (human and English language) (81303)
3	Spine fusion/ or arthrodesis/ (31703)
4	Limit 3 to (human and English language) (22209)
5	Minimally invasive procedure/ or minimally invasive surgery/ (23495)
6	Limit 5 to (human and English language) (16607)
7	2 and 6 (387)
8	4 and 6 (562)
9	7 or 8 (748)
Database: Cochrane Library <October 8, 2017>	
1	MeSH descriptor Spine explode all trees (3093)
2	MeSH descriptor Surgical Procedures, Minimally Invasive explode all trees (18382)
3	MeSH descriptor Spinal Fusion explode all trees (582)
4	((#1 AND #2) OR (#2 AND #3)) (114)