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**Table S1:** The developed search strategy performed in database of Medline.

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No	Search terms
#1	proximal fusion level
#2	upper instrumented vertebra
#3	proximal junctional kyphosis
#4	upper instrumented thoracic vertebra
#5	#1 or #2 or #3 or #4
#6	degenerative lumbar deformity
#7	adult lumbar deformity
#8	adult spinal deformity
#9	degenerative lumbar scoliosis
#10	adult scoliosis
#11	#6 or #7 or #8 or #9 or #10
#12	#5 and #11

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