

SUPPLEMENTARY MATERIALS

Supplementary Method 1. Literature Search Strategy

Search Strategy: ((Cervical Vertebrae[MeSH Terms]) OR (cervical deformity[Title/Abstract])) AND (((((Patient-Reported Outcomes[Title/Abstract]) OR (PROs[Title/Abstract])) OR (Health-related quality of life[Title/Abstract])) OR (HRQoL[Title/Abstract])) OR (treatment outcome[Title/Abstract]))

Supplementary Table 1. Quality of included studies per Newcastle-Ottawa Scale for quality assessment of cohort studies

Study	Selection		Ascertainment of exposure	Comparability on basis of design and analysis	Outcome		Adequacy of follow-up of cohorts
	Representativeness of the exposed cohort	Selection of the nonexposed cohort			Ascertainment of outcome	Adequate follow-up	
Johnson22 (2019)	**	-	**	**	**	**	*
Pierce4 (2019)	**	-	**	**	**	**	*
Bakouny25 (2018)	**	-	**	**	**	**	*
Ailon14 (2017)	**	-	**	**	**	**	*
Hyun28 (2018)	**	-	**	**	**	**	*
Poorman15 (2017)	**	**	**	**	**	**	*
Oe26 (2017)	**	-	**	**	**	**	*
Passias16 (2018)	**	-	**	**	**	**	*
Passias32 (2018)	**	-	**	**	**	**	*
Grosso23 (2013)	**	-	**	**	**	**	*
Virk18 (2020)	**	-	**	**	**	**	*
Zhong29 (2018)	**	-	**	**	**	**	*
Smith3 (2017)	**	-	**	**	**	**	*
Horn19 (2019)	**	-	**	**	**	**	*
Bao24 (2017)	**	-	**	**	**	**	*
Segreto20 (2019)	**	-	**	**	**	**	*
Protopsaltis30 (2018)	**	-	**	**	**	**	*
Lee27 (2015)	**	**	**	**	**	**	*

Asterisks are the star ratings per the Newcastle-Ottawa Scale; * and ** indicate the highest ratings for these categories.