

**Table S2. The methodological quality of the included studies.**

Study (year)	Selection <sup>a</sup>				Comparability <sup>b</sup>		Exposure <sup>c</sup>			The Newcastle- Ottawa Scale
	1	2	3	4	5A	5B	6	7	8	
Nichols 2012	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Dziegielewski 2012	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Dionysopoulos 2013	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Zhang 2013	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Timmermans 2015	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Wong 2015	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Grover 2015	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Wang 2016	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	6
Tu 2015	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Fu 2016	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Graboyes 2017	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Dyckhoff 2017	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Birkeland 2017	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	6
Cheraghlo 2018	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Chen 2018	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Oh 2019	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	6
Patel 2019	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7
Zhou 2019	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	7

Song 2019	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	<b>7</b>
Bates 2019	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	<b>6</b>
Boukovalas 2020	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	<b>7</b>
Zhang 2020	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	<b>6</b>
Lin 2021	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	<b>7</b>

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A star rating system was used to indicate the quality of a study, with a maximum of nine stars. A study could be awarded a maximum of one star for each numbered item within the selection and exposure categories

a: Selection (4 items): adequacy of case definition; representativeness of the cases; selection of controls; and definition of controls.

b.: Comparability (1 item): comparability of cases and controls on the basis of the design or analysis.

c.: Exposure (3 items): ascertainment of exposure; same method of ascertainment for cases and controls; and non-response rate (same rate for both groups).