

Table S4. AMSTAR-2 quality assessment

AMSTAR item	Author								
	Huang 2018	Sun 2017	Mao 2016	Caroff 2016	Frost 2013	Leasure 2012	Muscedere 2011	Wang 2011	Dezfulian 2005
1. PICO components described?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2. A statement design provided?	No	No	Yes	No	No	No	No	No	No
3. Selection of included studies designs explained?	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
4. Comprehensive literature search performed?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5. Duplicate study selection performed?	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
6. Duplicate data extraction performed?	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
7. List of excluded studies provided?	No	No	No	Yes	No	Yes	Yes	No	No
8. Details of the included studies provided?	Yes	Partial Yes	Yes	Yes	Partial Yes	Yes	Yes	Partial Yes	Partial Yes
9. RoB of individual studies assessed?	Yes	Yes	Yes	Yes	No	No	Partial Yes	Yes	Partial Yes
10. Sources of funding for studies included reported?	No	No	No	No	No	No	No	No	No
11. Methods for statistical analysis appropriated?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12. Impact of RoB on meta-analysis assessed?	No	Yes	Yes	Yes	No	No	Yes	Yes	No
13. RoB of individual studies in discussion accounted?	No	No	Yes	Yes	No	No	No	Yes	Yes

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14. Explanation for heterogeneity?	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	
15. Likelihood of publication bias assessed?	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	
16. Sources of conflict of interest reported?	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	

RoB, risk of bias