Supplementary Material S3. Modified AMSTAR 2 questionnaire.

This supplement provides the modified version of the AMSTAR 2 questionnaire that was used to assess the methodological quality of systematic reviews. Please refer to the following publication for the original AMSTAR 2 tool: Shea BJ, Reeves BC, Wells G, Thuku M, Hamel C, Moran J, Moher D, Tugwell P, Welch V, Kristjansson E, Henry DA: AMSTAR 2: a critical appraisal tool for systematic reviews that include randomised or non-randomised studies of healthcare interventions, or both. BMJ 2017;358:j4008.

1. Did the research questions and inclusion criteria for the review include the components of PICO?					
For Yes, ALL the following:					
	Population		Yes		
	Intervention		No		
	Comparator group				
	Outcome				
2. Did the report of the review contain an explicit statement that the review methods were established prior to the conduct of the review and did the report justify any significant deviations from the protocol?					
For Yes:					
The authors s following:	state that they had a written protocol or guide that includes	ALL	the		
	review question(s)		Yes		
	a search strategy		No		
	inclusion/exclusion criteria				
	a risk of bias assessment				
3. Did the re	view authors use a comprehensive literature search st	rateo	IV?		
For Yes, ALI	_ the following:				
	searched at least two databases		Yes		
	(relevant to research question)		No		
	provided key word and/or search strategy				
4. Did the re	view authors perform study selection in duplicate?				
ii Did tiio io	view datalore periorim etday colocionim daplicate.				
For Yes, either	er ONE of the following:				
	at least two reviewers independently agreed on		Yes		
	selection of eligible studies and achieved consensus on which studies to include		No		
	on windi studies to include				
	OR two reviewers selected a sample of eligible				
	studies <u>and</u> achieved good agreement (at least 80 percent), with the remainder selected by one reviewer				

5. Did the re	view authors perform data extraction in duplicate?			
For Yes, either	er ONE of the following:			
	at least two reviewers achieved consensus on which data to extract from included studies		Yes No	
	OR two reviewers selected a sample of eligible studies <u>and</u> achieved good agreement (at least 80 percent), with the remainder selected by one reviewer			
6. <u>Did the re</u> exclusion	view authors provide a list of excluded studies and just is?	tify t	<u>he</u>	
For Yes:				
	Provided a flow chart showing the number of		Yes	
	excluded studies and reasons for exclusion. A study- specific list is not required.		No	
7. Did the re	view authors describe the included studies in adequate	e det	ail?	
For Yes, ALL	the following:			
	described population		Yes	
	described interventions		No	
	described comparators			
	described outcomes			
	described research designs			
8. Did the review authors use a satisfactory technique for assessing the risk of bias (RoB) in individual studies that were included in the review?				
For Yes:				
	A tool was used to evaluate the risk of bias of		Yes	
	included studies		No	
9. If meta-analysis was performed did the review authors use appropriate methods for statistical combination of results?				
For Yes:				
	Statistical heterogeneity between trial results was		Yes	
	assessed and the results are provided		No	
			No meta- analysis conducted	

10. Did the review authors account for RoB in individual studies when interpreting/discussing the results of the review?				
For Yes:				
	Study quality is considered in the discussion and		Yes	
	interpretation		No	
11. Did the review authors provide a satisfactory explanation for, and discussion of, any heterogeneity observed in the results of the review?				
For Yes, eith	er ONE of the following:			
	There was no significant heterogeneity in the results		Yes	
	00.71	П	No	
	OR if heterogeneity was present the authors performed an investigation of sources of any			
	heterogeneity in the results and discussed the impact	Ш	No meta- analysis	
	of this on the results of the review		conducted	
12 If thou r	performed quantitative synthesis did the review autho	re on	rry out an	
	te investigation of publication bias (small study bias)		irry Out arr	
For Yes:				
	Performed graphical or statistical tests for publication		Yes	
	bias or an adequate reason is provided for not		No	
	performing a test.	Ш	INO	
			No meta-	
			analysis conducted	
13. Did the review authors discuss the likely impact of publication bias on the results of the review?				
_	er ONE of the following:		V	
	There was no significant publication bias	Ш	Yes	
	OR if publication bias was present the authors		No	
	discussed the likelihood and magnitude of impact of		No meta-	
	publication bias on the results of the review		analysis	
14 Did the	review authors report any potential sources of conflict	of int	conducted	
14. Did the review authors report any potential sources of conflict of interest, including any funding they received for conducting the review?				
For Yes, eith	er ONE of the following:			
	The authors reported no competing interests		Yes	
	OD The south and described their forestings are source.		No	
	OR The authors described their funding sources and how they managed potential conflicts of interest			

Critical assessment items are underlined.

Overall rating
Critical weakness(es):
Non-critical weakness(es):
Rating overall confidence in the results of the review: