Supplemental Material S4. AMSTAR 2 Rating.

Article Name: Speech Therapy interventi	ons for Acquired Apraxia of Speecl			
1. Did the research questions and inclusion criteria for the review include the components of PICO?				
For Yes: ☑ Population ☑ Intervention ☑ Comparator group ☑ Outcome 2. Did the report of the review contain a	Optional (recommended) ☑ Timeframe for follow up	☑ Yes □ No		
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 Partial Yes: The authors state that they had a written protocol or guide that included ALL the following: ☑ review question(s) ☑ a search strategy ☑ inclusion/exclusion criteria ☑ a risk of bias assessment	 For Yes: As for partial yes, plus the protocol should be registered and should also have specified: a meta-analysis/synthesis plan, if appropriate, and a plan for investigating causes of heterogeneity justification for any deviations from the protocol 	□ Yes ☑ Partial yes □ No		
3. Did the review authors explain their se	election of the study designs for inclusion in	the review?		
For Yes, the review should satisfy ONE of □ Explanation for including only R □ OR Explanation for including only □ OR Explanation for including only □ OR Explanation for including only	CTs ly NRSI	☑ Yes □ No		
4. Did the review authors use a compreh	nensive literature search strategy?			
 For Partial Yes (all the following): ☑ searched at least 2 databases (relevant to research question) ☑ provided key word and/or search strategy ☑ justified publication restrictions ○ (e.g. language) 	 For Yes, should also have (all the following): searched the reference lists / bibliographies of included studies searched trial/study registries included/consulted content experts in the field where relevant, searched for grey literature conducted search within 24 months of completion of the review 	☑ Yes □ Partial yes □ No		
5. Did the review authors perform study selection in duplicate?				
and achieved consensus on which OR two reviewers selected a same		☑ Yes □ No		

6. Did the review authors perform data extraction in duplicate?				
included studies OR two reviewers extracted data a achieved good agreement (at least extracted by one reviewer.	nsensus on which data to extract from from a sample of eligible studies <u>and</u> t 80 percent), with the remainder t of excluded studies and justify the exclusio r	☑ Yes □ No		
For Partial Yes:	For Yes, must also have:	15:		
I for l'attual res. ☐ provided a list of all potentially relevant studies that were read in full text form but excluded from the review	 ✓ Justified the exclusion from the review of each potentially relevant study 	☑ Yes □ Partial yes □ No		
8. Did the review authors describe the in	ncluded studies in adequate detail?			
 For Partial Yes (ALL the following): described populations described interventions described comparators described outcomes described research designs 	 For Yes, should also have ALL the following: ☑ described population in detail ☑ described intervention in detail (including doses where relevant) ☑ described comparator in detail (including doses where relevant) ☑ described study's setting ☑ timeframe for follow up 	☑ Yes □ Partial yes □ No		
9. Did the review authors use a satisfactory technique for assessing the risk of bias (RoB) in individual studies that were included in the review?				
RCTs For Partial Yes, must have assessed RoB from ☑ unconcealed allocation, and ☑ lack of blinding of patients and assessors when assessing outcomes (unnecessary for objective outcomes such as all o cause mortality) NRSI For Partial Yes, must have assessed	 For Yes, must also have assessed RoB from: ☑ allocation sequence that was not truly random, and ☑ selection of the reported result from among multiple measurements or analyses of a specified outcome 	 ✓ Yes Partial yes No Includes only NRSI ✓ Yes Partial yes 		
 RoB: ☑ from confounding, and ☑ from selection bias 	 methods used to ascertain exposures and outcomes, <i>and</i> selection of the reported result from among multiple measurements or analyses of a specified outcome 	 Partial yes No Includes only RCTs 		
10. Did the review authors report on the sources of funding for the studies included in the review?				

 For Yes ✓ Must have reported on the sources of funding for individual studies included in the review. Note: Reporting that the reviewers looked for this information but it was not reported by study authors also qualifies 	☑ Yes □ No		
11. If meta-analysis was performed did the review authors use appropriate methods for statistical combination of results?			
RCTs For Yes: The authors justified combining the data in a meta-analysis AND they used an appropriate weighted technique to combine study results and adjusted for heterogeneity if present. AND investigated the causes of any heterogeneity	 □ Yes □ No ☑ No meta- analysis conducted 		
For NRSI For Yes: The authors justified combining the data in a meta-analysis AND they used an appropriate weighted technique to combine study results, adjusting for heterogeneity if present AND they statistically combined effect estimates from NRSI that were adjusted for confounding, rather than combining raw data, or justified combining raw data when adjusted effect estimates were not available AND they reported separate summary estimates for RCTs and NRSI separately when both were included in the review 12. If meta-analysis was performed, did the review authors assess the potential im	 □ Yes □ No ☑ No meta- analysis conducted □ Pact of RoB in 		
individual studies on the results of the meta-analysis or other evidence synthesis? For Yes:			
 included only low risk of bias RCTs OR, if the pooled estimate was based on RCTs and/or NRSI at variable RoB, the authors performed analyses to investigate possible impact of RoB on summary estimates of effect. 	 □ Yes □ No ☑ No meta- analysis conducted 		
13. Did the review authors account for RoB in individual studies when interpreting/ discussing the results of the review?			
 For Yes: □ included only low risk of bias RCTs ☑ OR, if RCTs with moderate or high RoB, or NRSI were included the review provided a discussion of the likely impact of RoB on the results 	☑ Yes □ No		
14. Did the review authors provide a satisfactory explanation for, and discussion of, any heterogeneity observed in the results of the review?			
 For Yes: ☑ There was no significant heterogeneity in the results □ OR if heterogeneity was present the authors performed an investigation of sources of any heterogeneity in the results and discussed the impact of this on the results of the review 	☑ Yes □ No		

15. If they performed quantitative synthesis did the review authors carry out an adequate investigation of publication bias (small study bias) and discuss its likely impact on the results of the review?				
 For Yes: performed graphical or statistical tests for publication bias and discussed the likelihood and magnitude of impact of publication bias 	 □ Yes □ No ☑ No meta- analysis conducted 			
16. Did the review authors report any potential sources of conflict of interest, including any funding they received for conducting the review?				
 For Yes: The authors reported no competing interests OR The authors described their funding sources and how they managed potential conflicts of interest 	□ Yes ☑ No			