openMetaAnalysis: Risk of bias

Table. Risk of bias for individual trials* and across trials† based on the Cochrane Handbook with modifications for the assessment of individual studies due to lack of Consort diagram‡ and trial registration.

Study	Subjects and summary risk†	Selection bias		Performance bias	Detection bias	Attrition bias	Reporting bias	Other biases
		Random sequence generation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective reporting	E.g. imbalanced compliance, co-interventions, or other.
Summary	Total: 4234 Low risk 0% Unclear risk: 17% High risk: 83%							
Svoboda, 2007 PMID: 17523274	72	Low risk	Low risk	Unclear risk¶	Unclear risk¶	Unclear risk‡	High risk§	Low risk
Nobre, 2008 PMID: 18096708 NCT00250666	79	Low risk	Low risk	Unclear risk¶	Unclear risk¶	Low risk	Low risk	Low risk
Schroeder, 2009 PMID: 19034493	27	Unclear risk‖	Unclear risk‖	Unclear risk¶	Unclear risk¶	Low risk	High risk§	Low risk
Hochreiter, 2009 PMID: 19493352 ISRCTN10288268	110	Unclear risk‖	Unclear risk‖	Low risk	Unclear risk¶	Low risk	Low risk	Low risk
Layios, 2012 PMID: 22809906	509	Unclear Risk‖	Unclear risk‖	Unclear risk¶	Unclear risk¶	Low risk	High Risk§	Low risk
Annane, 2013 PMID: 23418298 NCT01025180	62	Low risk	Low risk	Unclear risk¶	Unclear risk¶	Low risk	Low risk	Low risk
Deliberato, 2013 PMID: 23711530	81	Low risk	Unclear risk‖	Unclear risk¶	Low risk	High risk	Low risk	Low risk

Study	N	Random sequence generation	Allocation concealment	Blinding of participants and personnel	Blinding of outcome assessment	Incomplete outcome data	Selective reporting	E.g. imbalanced compliance, co-interventions, or other.
NCT01494675								
Dharaniyadewi, 2013 PMCID: PMC3952512	197					Low risk	High risk§	
Liu, 2013 PMID: 24225216	82	Unclear Risk‖	Unclear risk‖	Unclear risk¶	Unclear Risk¶	Unclear risk‡	High Risk§	Unknown
Oliveira, 2013 PMID: 23921272 NCT00934011	94	Low risk	Low risk	Unclear risk¶	Unclear risk¶	Low risk	Low risk	Low risk
ProGUARD, 2014 PMID: 25295709 ACTRN12610000809033	394	Low risk	Unclear risk‖	Unclear risk¶	Low risk	Low risk	Low risk	Low risk
Najafi, 2015 PMID: 26553084	60	Low risk	Unclear risk‖	Unclear risk¶	Unclear risk¶	Unclear risk‡	High risk§	Low risk
De Jong, 2015 PMID: 26947523 NCT01139489	1575	Low risk	High risk	Unclear risk¶	Unclear risk¶	Low risk	Low risk	Low risk
Bloos, 2015 PMID: 2742873 NCT00832039	1089	Low risk	Low risk	Unclear risk¶	Unclear risk¶	Low risk	Low risk	Low risk
		Selection bias		**Performance bias**	**Detection bias**	**Attrition bias**	**Reporting bias**	**Other biases**

Notes:

* Assessment of individual studies based on the Cochrane Handbook, Table 8.5.d. Available at http://handbook.cochrane.org/chapter_8/table_8_5_d_criteria_for_judging_risk_of_bias_in_the_risk_of.htm .

† Summary determination across studies based on Cochrane Handbook, Table 8.7. Available at http://handbook.cochrane.org/chapter_8/table_8_7_a_possible_approach_for_summary_assessments_of_the.htm .

‡ Lack of a Consort diagram, by itself, is considered to be unclear risk for incomplete outcome and attrition bias.

§ Lack of trial registration, by itself, is considered to be unclear risk for selective reporting.

‖ Method of randomization not clearly described.

¶ Method of blinding not clearly described.