

Table S5. Assessment of risk of bias in included trials.

First author	Publication year	1) Random sequence generation (selection bias)	2) Allocation concealment (selection bias)	3) Blinding of participants and personnel (performance bias)-	4) Blinding of outcome assessment (detection bias)	5) Incomplete outcome data (attrition bias)-	6) Selective reporting (reporting bias)	7) Other bias-
Wang et al.	2017	low risk	low risk	low risk	low risk	low risk	unclear	low risk
Finfer et al.	2015	low risk	low risk	High risk	unclear	low risk	unclear	unclear
Kalfon et al.	2014	low risk	unclear	High risk	unclear	low risk	unclear	low risk
Okabayashi et al.	2014	unclear	unclear	unclear	unclear	low risk	unclear	unclear
Zuo et al.	2012	low risk	low risk	low risk	low risk	low risk	unclear	low risk
Cao et al.	2011	unclear	unclear	High risk	unclear	low risk	unclear	unclear
Arabi et al.	2011	low risk	low risk	unclear	unclear	low risk	unclear	unclear
Coester et al.	2010	low risk	low risk	unclear	unclear	High risk	unclear	unclear
Green et al.	2010	unclear	unclear	unclear	unclear	low risk	unclear	unclear
Annan et al.	2010	low risk	low risk	unclear	unclear	low risk	unclear	low risk
Bilotta et al.	2009	unclear	unclear	unclear	unclear	low risk	unclear	unclear
Yang et al.	2009	unclear	unclear	unclear	unclear	low risk	unclear	unclear
Cavalcanti et al.	2009	low risk	High risk	High risk	unclear	low risk	unclear	unclear
Kreisel et al.	2009	low risk	low risk	unclear	unclear	low risk	unclear	high risk
Finfer et al.	2009	low risk	low risk	High risk	unclear	low risk	unclear	unclear
Preiser et al.	2009	unclear	unclear	unclear	unclear	low risk	unclear	unclear

Taslimi et al.	2009	unclear	unclear	unclear	unclear	low risk	unclear	unclear
Savioli et al.	2009	low risk	low risk	unclear	unclear	High risk	unclear	high risk
Arabi et al.	2008	low risk	low risk	unclear	unclear	low risk	unclear	unclear
Brunkhorst et al.	2008	unclear	unclear	unclear	unclear	low risk	unclear	High risk
De La Rosa et al.	2008	low risk	low risk	low risk	low risk	low risk	unclear	low risk
Iapichino et al.	2008	low risk	low risk	unclear	unclear	low risk	unclear	unclear
Oksanen et al.	2007	unclear	low risk	unclear	unclear	low risk	unclear	unclear
Mitchell et al.	2006	unclear	unclear	unclear	unclear	low risk	unclear	unclear
Hoedemaekers et al.	2005	low risk	low risk	unclear	unclear	low risk	unclear	High risk
Van den Berghe et al.	2006	low risk	low risk	High risk	unclear	low risk	unclear	low risk
Van den Berghe et al.	2001	low risk	low risk	High risk	unclear	low risk	unclear	unclear