**Supplementary Figure 1:** Risk of Bias Summary

|  | Random Sequence Generation (selection bias) | | Allocation Concealment (selection bias) | Blinding of Participants and Personnel (performance bias) | Blinding of Outcome Assessment  (detection bias) | | Incomplete Outcome Data (attrition bias) | | Selective Reporting  (reporting bias) | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Annane, 2013(24) | + | + | | - | | + | | + | | ? | |
| Bouadma, 2010(25) | + | + | | - | | + | | + | | ? | |
| de Jong, 2016(26) | + | ? | | - | | ? | | - | | ? | |
| Deliberato, 2013(27) | + | + | | - | | ? | | - | | ? | |
| Hochreiter, 2009(28) | ? | ? | | - | | - | | + | | ? | |
| Layios, 2012(29) | ? | + | | + | | ? | | + | | ? | |
| Najafi, 2015(30) | + | ? | | ? | | ? | | + | | ? | |
| Nobre, 2008(31) | + | + | | - | | ? | | + | | ? | |
| Schroeder, 2009(32) | ? | ? | | ? | | ? | | + | | ? | |
| Shehabi, 2014(33) | + | + | | ? | | +  **Legend**  Low risk of bias  High risk of bias  Unclear risk of bias  +  ?  - | | + | | ? | |