**Supplementary Figure Legends**

**Supplementary Fig. 1.** Funnel plot to detect publication bias. Publication bias was considered absent by Egger’s test (*p* = 0.453). Cl = confidence limits; RCT = randomized controlled trial; rr = risk ratio.

**Supplementary Fig. 2.** Risk ratios (RR) of overall mortality of all included studies. PMX-HP = polymyxin B hemoperfusion.

**Supplementary Fig. 3.** Risk ratios (RR) of 28- or 30-day mortality by disease-severity subgroup meta-analysis. PMX-HP = polymyxin B hemoperfusion.

**Supplementary Fig. 4.** Risk ratios (RR) of mortality among the study design subgroup meta-analysis. PMX-HP = polymyxin B hemoperfusion; RCT = randomized controlled trial.

**Supplementary Fig. 5.** Risk ratios (RR) of the included randomized controlled trials by disease-severity subgroup meta-analysis. PMX-HP = polymyxin B hemoperfusion.

**Supplementary Fig. 6.** Risk ratios (RR) of the included non-randomized controlled trials by disease-severity subgroup meta-analysis. PMX-HP = polymyxin B hemoperfusion.