**Figure S9** Meta-analysis of the effect of PP on ICU mortality in ARDS patients with P/F ≤ 300 mm Hg. No obvious heterogeneity was found using the M-H chi-square test (p = 0.28) and the I² test (I² = 22%). Fixed-effects model was performed. The z test for overall effects was not statistically significant (p = 0.31).

Weight is the contribution of each study to the overall RR. PP, prone positioning; SP, supine prone; ARDS, acute respiratory distress syndrome; P/F, partial pressure of arterial oxygen/inspired fraction of oxygen; M-H, Mantel-Haenzel; I², percentage of total variation across studies from between-study heterogeneity rather than chance; RR, risk ratio; CI, confidence interval.