**SUPPLEMENTARY FIGURE LEGENDS**

**Supplementary FIGURE 1.** Forest plot of the influence of treatment duration of rifaximin on the primary outcomes of clinical efficacy. The outcome measures included OHE improvement (A), prevention of recurrent HE (B), and MHE reversal (C). The control groups received placebo or other active drugs.

**Supplementary FIGURE 2.** Forest plot of randomized controlled trials on the secondary outcomes of rifaximin treatmentfor HE. The outcome measures included blood ammonia level (A), mental state (B), flapping tremor (C), PSE index (D), and rehospitalisation (E). The control groups received placebo or other active drugs.