Figure 3. Effect of exogenous insulin on the morphology of lung 8 hours after LPS-induced acute lung injury or saline treatment. (A) Control group: No histologic changes were observed. (B) LPS group: Marked intraalveolar exudate, edema, and inflammatory cell infiltration in the interstitial and alveolar spaces. (C) LPS + insulin group: Insulin significantly attenuated lung injury. (D) LPS + insulin + wortmannin group: Wortmannin significantly blocked the effect of insulin in the lung pathology. (E) Lung injury score: Insulin significantly reduced ALI-induced increase in lung injury score. Wortmannin significantly blocked the effect of insulin (n=5 per group). Original magnification: 100×. Data are presented as mean±S.E.M. △P<0.05 vs Control group; *P<0.05 vs LPS group; # P<0.05 vs LPS + Insulin group.