



Figure S1: Bland–Altman plots whereby resting energy expenditure (REE) based on volumetric carbon dioxide production (VCO₂) measurements (REE_{VCO₂}) using different RQ values are compared to REE measured by indirect calorimetry (IC) (REE_{IC}) at ICU Day-1. Solid lines indicate the bias (kcal/day), and the light shades with the fine dotted lines indicate the limits of agreement (bias \pm (1.96 \times SD) = precision). Dark shades represent the 95% confidence intervals of the mean (bias). (A) REE_{VCO₂}^{RQ 0.89}, assuming RQ of 0.89 compared to REE_{IC}. (B) REE_{VCO₂}^{RQ 0.85}, assuming RQ of 0.85 compared to REE_{IC}. (C) REE_{VCO₂}^{RQ 0.80}, assuming RQ of 0.80 compared to REE_{IC}. (D) REE_{VCO₂}^{RQ IC} using individual RQ values calculated by IC compared to REE_{IC}.