

Supplementary Table 1. Scheme for the calculation of insulin dose adjustment

| | BG, mg/dL | | | | | Instructions |
|----------------------|--|----------------------|---|-----------------------|------------------------|---|
| | <100 | 100–139 | 140–179 | 180–259 | ≥260 | |
| Rate of change in BG | | | | BG↑ by ≥40 mg/dL/hr | BG↑ or BG unchanged | ↑Infusion by “2Δ” |
| | | | BG↑ by ≥20 mg/dL/hr | BG↑ by 0–39 mg/dL/hr | BG↓ by 1–40 mg/dL/hr | ↑Infusion by “Δ” |
| | BG↑ by ≥10 mg/dL/hr | BG↑ or BG unchanged | BG↑ by 1–19 mg/dL/hr, BG unchanged, or BG↓ by 1–20 mg/dL/hr | BG↓ by 1–40 mg/dL/hr | BG↓ by 39–80 mg/dL/hr | No infusion change |
| | BG↑ by 1–9 mg/dL/hr, BG unchanged, or BG↓ by 1–10 mg/dL/hr | BG↓ by 1–20 mg/dL/hr | BG↓ by 21–40 mg/dL/hr | BG↓ by 41–80 mg/dL/hr | BG↓ by 81–120 mg/dL/hr | ↓Infusion by “Δ” |
| | BG↓ by >10 mg/dL/hr | BG↓ by >20 mg/dL/hr | BG↓ by >40 mg/dL/hr | BG↓ by >80 mg/dL/hr | BG↓ by >120 mg/dL/hr | Hold drip × 60 min, then drip by “2Δ↓”, if BG ≥ 140 mg/dL |

Changes in the infusion rate (“Δ”) are determined by the current rate of infusion. If the current infusion rate is <3 U/hr, change in the infusion rate is 0.5 U/hr for Δ and 1 U/hr for 2Δ. If the current infusion rate is 3–5.5 U/hr, change in the infusion rate is 1 U/hr for Δ and 2 U/hr for 2Δ. If the current infusion rate is 6–9.5 U/hr, change in the infusion rate is 1.5 U/hr for Δ and 3 U/hr for 2Δ. If the current infusion rate is more than or equal to 10 U/hr, change in the infusion rate is 2 U/hr for Δ and 4 U/hr for 2Δ.
 BG, blood glucose.