

Supplementary Materials, Appendix

All subjects received the usual supplemental insulin dose unless BG was > 260 mg/dl at randomization for which resistant scale was used. If subjects are expected to be NPO, then the sensitive scale was used.

Supplemental Sliding Scale Insulin (aspart/lispro) for the Intensive Supplement Group

BEFORE MEAL, Supplemental Sliding Scale Insulin (number of units) - Add to scheduled prandial insulin dose.

Blood Glucose, mg/dl (mmol/L)	Sensitive	Usual	Resistant
≤ 140 (≤7.8)	0	0	0
141-180 (7.8-10.0)	2	3	4
181-220 (10.1-12.2)	3	4	6
221-260 (12.3-14.4)	4	5	8
261-300 (14.5-16.7)	5	6	10
301-350 (16.7-19.4)	6	8	12
351-400 (19.5-22.2)	7	10	14
>400 (>22.2)	8	12	16

BEDTIME, Supplemental Sliding Scale Insulin (number of units): Give half the meal time dose

Blood Glucose (mg/dl)	Sensitive	Usual	Resistant
< 221 (<12.3)	0	0	0
221-260 (12.3-14.4)	1	2	4
261-300 (14.5-16.7)	2	3	5
301-350 (16.7-19.4)	3	4	6
351-400 (19.5-22.2)	4	5	7
>400 (> 22.2)	5	6	8

Supplemental Sliding Scale Insulin (aspart/lispro) for the Non-Intensive Supplement Group

BEFORE MEAL, Supplemental Sliding Scale Insulin (number of units) - Add to scheduled prandial insulin dose

Blood Glucose (mg/dl)	Sensitive	Usual	Resistant
< 260 (<14.4)	0	0	0
261-300 (14.5-16.7)	5	6	10
301-350 (16.7-19.4)	6	8	12
351-400 (19.5-22.2)	7	10	14
>400 (> 22.2)	8	12	16

BEDTIME, Supplemental Sliding Scale Insulin (number of units): Give half the meal time dose

Blood Glucose (mg/dl)	Sensitive	Usual	Resistant
< 260 (<14.4)	0	0	0
261-300 (14.5-16.7)	2	3	5
301-350 (16.7-19.4)	3	4	6
351-400 (19.5-22.2)	4	5	7

>400 (> 22.2)	5	6	8
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Basal Insulin Titration:

- Daily insulin dose will be adjusted as follow:
 - If the fasting BG is between 100 - 140 mg/dL in the absence of hypoglycemia the previous day: no change
 - If the fasting BG is between 140 - 180 mg/dL in the absence of hypoglycemia: increase basal insulin by 10% every day
 - If the fasting BG is >180 mg/dL in the absence of hypoglycemia the previous day: increase basal insulin dose by 20% every day
 - If fasting BG is < 70 mg/dl: decrease basal insulin dose by 20%

Prandial Dose Titration:

The prandial doses were increased similarly to the basal doses if premeal (especially lunch and dinner) were elevated as follows:

BG 100-140 mg/dl- no change

BG 141-180 mg/dl- 10% increase in prandial dose

BG > 180 mg/dl- 20% increase in prandial dose

BG < 70 mg/dl- 20% decrease in prandial dose