



SCANNED TO PHARMACY

STAT MEDICATION

A. General Guidelines:

1. Goal blood glucose (BG) **100-180** mg/dL, or per physician order _____ mg/dL.
2. Patient source of exogenous glucose: IV solution TPN Enteral None
3. Stop all existing insulin orders and all anti-diabetic agents.
4. Insulin infusion to be **discontinued** when the patient is eating **AND** has received **1st** dose of subcutaneous insulin &/or oral hypoglycemic agent.

B. Initiating the infusion: 100 units of Regular insulin mixed in 100 mL of 0.9% normal saline given by infusion pump. Flush 20 mL of infusion through all IV tubing before infusion begins (to saturate the insulin binding sites in the tubing). Repeat process with any tubing change.

1. Start at **Level 1** **except** for the following patients per physician order:
 - Level 2:** Patients receiving glucocorticoids (steroids), or diabetic patients receiving **more than 80 units per day** of insulin as an outpatient.
 - Level 3:** Patients with mild to moderate hyperglycemia. No patient starts on Level 4. Contact physician if BG not controlled on Level 4.

Blood Glucose	Initial Bolus Dose IVP Prior to Starting Infusion	Blood Glucose	Initial Bolus Dose IVP Prior to Starting Infusion
111-150	No Bolus	301-400	Lispro 10 units
151-200	Lispro 2 units	greater than 400	Notify MD for orders
201-300	Lispro 5 units		

Level 1		Level 2		Level 3		Level 4	
BG	Units/hr	BG	Units/hr	BG	Units/hr	BG	Units/hr
Less than 100	Off	Less than 100	Off	Less than 100	Off	Less than 100	Off
100-119	0.5	100-119	1	100-119	2	100-119	3
120-149	1	120-149	1.5	120-149	3	120-149	5
150-179	1.5	150-179	2	150-179	4	150-179	7
180-209	2	180-209	3	180-209	5	180-209	9
210-239	2	210-239	4	210-239	6	210-239	12
240-269	3	240-269	5	240-269	8	240-269	16
270-299	3	270-299	6	270-299	10	270-299	20
300-329	4	300-329	7	300-329	12	300-329	24
330-359	4	330-359	8	330-359	14	330-359	28
Greater than 360	6	Greater than 360	12	Greater than 360	16	Greater than 360	30

Patient Monitoring:

1. Check capillary blood glucose (BG) **hourly** until within goal range for **4 consecutive hours** and then decrease to **every two hours x 24 hours**.
2. If BG remains within goal range AND there is no change in nutritional intake, check BG **every 4 hours**.
3. If TPN or tube feeds are stopped, if patient is made NPO, or if there is a change in steroid dose, notify physician for orders. If Insulin drip is changed, reinstate hourly BG checks (following guidelines in #1 above) and adjust insulin (per scale) as necessary to keep BG within goal range.

Moving from level to level:

- a) **Moving Up:** If BG remains **above the goal range and has not decreased by at least 60 mg/dL** in one hour, advance to the next higher level, check BG in one hour, and follow instructions per scale above.
- b) **Moving Down:** For BG **less than 100 mg/dL**, turn infusion off. Then
 - o Recheck BG every 30 minutes
 - o For BG **100 mg/dL or greater** restart insulin infusion:
 - For BG between **100-119 mg/dL** restart infusion at one level lower than previous level (If drip was previously at Level 2, restart at Level 1)
 - If drip was previously at Level 1, restart insulin infusion at Level 1.
 - For BG **120 mg/dL or greater**, restart infusion at previous level.

Treatment of Hypoglycemia: Less than 70 = Hypoglycemia

1. For BG **less than 70 mg/dL STOP** insulin infusion **AND give D50W IV.**
 - A. Patient **awake:** Give **25 mL or ½ amp of D50W IV.**
 - B. Patient **not awake:** Give **50 mL or 1 amp of D50W IV.**
2. Recheck BG **every 15 minutes** until greater than 80 mg/dL. Repeat D50W dose X 1 if needed.
3. When BG is **Greater than 100 mg/dL, restart infusion at next lower level** (see Patient Monitoring above. Moving Down).
4. **If patient was at Level 1, check with physician before restarting insulin infusion.**

Reportable Conditions:

Notify the physician if hypoglycemia does not resolve after 2 treatments.

Date _____ Time _____ Physician _____



SAFH SAH SDH SMCS SRMC SSMC

Insulin IV Infusion - Adult (Non-DKA)

ORDERS

Patient Identification

ZZ21882-SMCS (4/20/10)