



THE UNIVERSITY
OF KANSAS HOSPITAL
KUMED

3901 Rainbow Boulevard
Kansas City, Kansas 66160

Do not write in this box

PATIENT LABEL

PHYSICIAN'S ORDER FORM

DATE
&
TIME

#

ORDERS

CRITICAL CARE INTENSIVE IV INSULIN INFUSION PROTOCOL

2.

BLOOD GLUCOSE MONITORING

- i. Check BG hourly until stable (three (3) consecutive values within target range). In hypotensive patients, finger sticks can be inaccurate and obtaining the blood sample from an indwelling vascular catheter is acceptable.
- j. When Stable check BG levels every two (2) hours.
- k. Check BG levels every six (6) hours if insulin drip is discontinued and not to be resumed.
- l. If any of the following occur, resume hourly BG monitoring until BG stabilizes [three (3) consecutive values within target range].
 - i. Any significant change in insulin infusion rate (i.e. BG out of target range)
 - ii. Significant change in clinical condition
 - iii. Initiation or cessation of pressors or steroid therapy
 - iv. Initiation or cessation of nutritional support (TPN, PPN, tube feedings, etc.)
 - v. Initiation or cessation of renal replacement therapy
 - vi. Discontinuation of insulin infusion for unanticipated reasons.
- e. Obtain a STAT serum BG for changes in mental status, diaphoresis or unexplained tachycardia.

3.

CHANGING THE INFUSION RATE – Titrate the insulin infusion using the chart below in the appropriate target BG range.

BG (mg/dL)	Target Range (80-110 mg/dL)	Target Range (80-150 mg/dL)
< 60	Discontinue infusion and give 25 mL D50 IVP; recheck BG in 15 minutes. <ul style="list-style-type: none"> • If BG < 70 mg/dL, repeat 25 D50 IVP every 15 minutes until BG > 90 mg/dL and call physician. • If blood glucose > 90 mg/dL, restart insulin infusion dose at 50% of previous dose. 	
61-79	Discontinue infusion. Recheck BG in 1 hour. If > 90 mg/dL, restart infusion, and decrease dose by 0.5 unit/hr.	
80-110	NO CHANGES	NO CHANGES
111-150	Increase dose by 0.5 unit/hr	NO CHANGES
151-170	Increase dose by 1 unit/hr	Increase dose by 0.5 unit/hr
171-250	Increase dose by 1.5 units/hr	Increase dose by 1 unit/hr
251-300	Increase dose by 2 units/ rate hr	Increase dose by 1.5 units/hr
301-400	Give 5 units IVP. Increase dose by 2 units/hr	Give 5 units IVP. Increase dose by 2 units/hr
> 400	Give 10 units IVP. Increase dose by 2.5 units/hr. If BG remains > 400 mg/dL, call physician.	

Physician Signature: _____ Pager: _____

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