

(place patient label here)

Patient Name: \_\_\_\_\_



PROVIDER ORDERS

Order Set Directions:

- > (✓) - Check orders to activate: Orders with pre-checked box  will be followed unless lined out.
- > Initial each place in the pre-printed order set where changes such as additions, deletions or line outs have been made
- > Initial each page and Sign/Date/Time last page

Diagnosis: \_\_\_\_\_

Allergies with reaction type: \_\_\_\_\_

## ICU Dynamic Insulin Drip Protocol

Version 4 6/11/15

- After provider order for initiation of a protocol, nursing may place orders found within the protocol using the Policy/Protocol - No Esign Req order source. (This protocol is initiated thru the ordering of the insulin drip medication order)

### Nursing Orders

- Point of care: capillary blood glucose: every hour until capillary glucose is within goal range x 4 then every 2 hours; titrate insulin infusion as directed
- Glucose Target Range: 120-180 mg/dL

#### Insulin Drip Rate Calculation Instruction

- Initial Rate:  $(BG-60) \times 0.02 = \text{UNITS/hour insulin}$ 
  - \*\*BG=Current Blood Glucose
  - \*\*0.02 is the multiplier

#### Rate Adjustments to initial rate:

- 1) Whenever BG is greater than 180 mg/dL INCREASE multiplier by 0.01
- 2) Whenever BG is less than 120 mg/dL DECREASE multiplier by 0.01
- 3) Whenever BG is 120-180 NO change in multiplier

\*\*Please note: YOU MUST RECALCULATE THE INSULIN RATE WITH EVERY BLOOD GLUCOSE EVEN IF THE MULTIPLIER DOESN'T CHANGE\*\*

\*\*TARGET REFERS TO THE BLOOD GLUCOSE NOT THE (BG- 60)\*\*

#### Notify provider managing insulin infusion

- IF capillary blood glucose remains greater than 350 mg/dL for 2 hours
- IF capillary blood glucose less than 70 mg/dL twice in a row
- IF patient is scheduled for surgery
- IF another provider turns off insulin drip for any reason
- IF feedings, TPN or steroids are started, stopped or changed

#### For Post-Op Major Vascular Surgery Patients:

After patient has begun eating:

- Do not titrate insulin drip for first 2 hours after meal
- Discontinue insulin drip 2 hours after meal unless infusing at  $> 3 \text{ UNITS/hour}$
- IF insulin drip is infusing at  $> 3 \text{ UNITS/hour}$ : NOTIFY PROVIDER

### Hypoglycemia Treatment:

Glucose Level less than 80 mg/dL  
dextrose 50% in water (D50W)

- intravenous push as needed for capillary blood glucose  $< 80 \text{ mg/dL}$ 
  - Dose using this formula:  $(100- BG) \times 0.3 = \text{mL of D50W}$ ;
  - DECREASE multiplier by 0.01 and continue insulin infusion AND re-check capillary blood glucose in 15 minutes repeat as needed;
  - Resume protocol when blood glucose is greater than 80 mg/dL