

Cardiothoracic 24 Hour Blood Glucose Monitoring

Pt. Name: _____

Anesthesia End Time: _____

Date: _____

Time Admitted in CCU: _____

#	Time	Blood Glucose Level	Insulin drip rate	% of Meal	SQ Insulin per Scale
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

	Consumes > 50% of meal	Consumes 25-50% of meal	Consumes < 25% of meal
IV Insulin infusion rate units/hour	Insulin Lispro to be given within 10 minutes after breakfast, lunch, and dinner. Continue to follow IV Insulin Orders/Adjustment Guide with hourly glucose checks		
0-0.5 units/hour (or on HOLD)	3 units	2 Units	0
1-1.5 units/hour	4 units	3 Units	0
2-3 units/hour	6 units	4 Units	0
4-5 units/hour	8 units	5 Units	0
6-7 units/hour	10 units	6 Units	0
8-10 units/hour	12 units	6 Units	0
More than 10 units/hour	14 units	7 Units	0

PT. _____

MR.#/P.M. _____

DR. _____



One McLaren IV Insulin Adjustment Guide

Cardiac Surgery and Neuro Surgery Patients Only

Blood Glucose Goal 110-150 mg/dL

Infusion Titration Adjustment		CURRENT BLOOD GLUCOSE LEVEL (mg/dL)											
		<50	50-69	70-109	110-129	130-150	151-199	200-249	250-299	300-349	350-400	>400	
PREVIOUS BLOOD GLUCOSE LEVEL (mg/dL)	< 109	Hold & refer to hypoglycemia order.	Hold & refer to hypoglycemia order.	Hold	When on HOLD: Restart Insulin Drip when blood glucose > 110 mg/dl: :at 50% of previous rate if held less than 4 hours :if held more than 4h: follow initiation table of signed orders.								♦ Increase rate by 50% ♦ Maximum increase in one hour is 4 units/hr Call Provider if blood glucose > 400 mg/dL x2
	110-129			Hold	Continue	Continue	Increase by 25%	Increase by 25%	Increase by 50%	Increase by 50%	Increase by 50%	Increase by 50%	
	130-150			Hold	Decrease by 25%	Continue	Increase by 25%	Increase by 25%	Increase by 50%	Increase by 50%	Increase by 50%	Increase by 50%	
	151-199	Repeat blood glucose check every 15 minutes until blood glucose > 70 mg/ dL x2.	Repeat blood glucose check every 15 minutes until blood glucose > 70 mg/ dL x2.	Hold	Decrease by 50%	Continue	Increase by 25%	Increase by 25%	Increase by 50%	Increase by 50%	Increase by 50%		
	200-249			Hold	Decrease by 50%	Decrease by 25%	Continue	Increase by 25%	Increase by 50%	Increase by 50%	Increase by 50%		
	250-299			Hold	Hold	Decrease by 50%	Decrease by 25%	Continue	Increase by 25%	Increase by 50%	Increase by 50%		
	300-349	Re-treat whenever blood glucose < 70 mg/dl.	Re-treat whenever blood glucose < 70 mg/dl.	Hold	Hold	Decrease by 50%	Decrease by 50%	Continue	Increase by 25%	Increase by 50%	Increase by 50%		
	350-400			Hold	Hold	Decrease by 50%	Decrease by 50%	Decrease by 25%	Continue	Increase by 25%	Increase by 50%		
	>400			Hold	Hold	Hold	Decrease by 50%	Decrease by 50%	Decrease by 25%	Continue	Increase by 50%		

MAXIMUM INCREASE IN ONE HOUR IS 4 UNITS per HOUR / NO LIMIT ON RATE REDUCTION

If the insulin drip is on HOLD, continue to check blood glucose hourly.

If on hold 4 hours or less then re-start the insulin infusion at 50% of previous rate when blood glucose is greater than 150 mg/dL.

If on HOLD more than 4 hours: Re-start insulin per Insulin Initiation chart on original IV insulin orders when blood glucose is greater than 150 mg/dl

****NOT DKA Protocol****

