UNIT NUMBER

PT. NAME

UCSF Medical Center **ADULT MEDICAL SURGICAL**

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Not For Acute Diabetic R	J)]	BIRTHDATE			
Check "√" in box activates orders)					
DATE:	TIME:		LOCATION	DATE	
1. D/C previous insulin orders including glucose tablets and D50W					

1.	□ D/C previous insulin orders including glucose tablets and D50W							
2.	□ D/C (hypoglycemic agents).							
3.	Maintenance IV Fluids (IV Dextrose infusion must be maintained while the patient is on insulin infusion. Minimum rate of 10mL/hour.)							
		□ D5 NS at 100 mL/hour IV						
		at 100 mL/hour IV						
		mL/hour (for patients with	n fluid restriction	ns or renal failure) IV				
		CI 20 meq/liter (generally 20 mEq/L)						
4	□ other atmL/hour Regular Insulin Infusion 100 units Regular insulin in 100mL NS (1 unit = 1 mL)							
4.		OmL of infusion through tubing before						
		nning infusion, check Blood Glucose						
5.	Start Insulin I	nfusion Rate as follows (when BG	≥100 mg/dL):					
		ur taking <30 units insulin daily <i>(recor</i>						
				ooglycemic agent, or <30 units insulin daily				
		our for patients taking >30 units insuli units/hour	n dally					
6.		n Infusion Rate as follows:						
٥.								
	I	d adjustment	☐ Sensitive adjustment (for Type 1; Pancreatectomy)					
	BG <80 mg/d	L Stop infusion and Call MD;	BG <80 mg/dL	Stop infusion and Call MD;				
		see #8 below *Do not restart insulin infusion		see #8 below *Do not restart insulin infusion				
		until BG ≥ 100 mg/dL*		until BG ≥ 100 mg/dL*				
	BG 80-120	Decrease drip by 0.5 unit/hour	BG 80-120	Decrease drip by 0.2 units/hour				
	BG 121-180	No change in drip rate	BG 121-180	No change in drip rate				
	BG 181-250	Increase drip by 0.5 unit/hours	BG 181-250	Increase drip by 0.2 units/hour				
	BG >250	Bolus 5 units regular insulin IV and	BG >250	Bolus 2 units regular insulin IV and				
		increase drip by 0.5 unit/hour		increase drip by 0.2 units/hour				
If na	tient is receiving	ng Extrangal Gamimung N. Octagam	D-vylose Win	rhoD SDF, Hepagam B, Orencia, or Adept				
				s. All BGs must be sent to the laboratory.				
7.		<u> </u>		•				
	Check BG every hour with glucose meter until stable (range 100-180 mg/dL) for two consecutive readings and then every 2 hours.							
8.	For a BG <80 mg/dL or >400 mg/dL on insulin infusion, call MD.							
	☑ BG <80 mg/dL but >60 mg/dL, stop insulin infusion. Check BG every 15 minutes.							
	☑ BG ≤60 mg/dL, stop insulin infusion; give 50 mL D50W IV push; check BG every 15 minutes and repeat							
		until BG ≥100 mg/dL. When BG ≥100	-	for new insulin infusion rate.				
9.		ng/dL, call MD to reassess insulin info or tube feeds are interrupted for lo		minutes				
Э.		0W IV OR □ D10NS IV at 50 mL/h	•					
10.		ng to subcutaneous (SQ) insulin, given. Then use Adult SQ Insulin Order S		Q dose 30 minutes prior to discontinuing				
11.	If patient eating	g meals give units aspart SQ a	after patient eats	s carbohydrates and continue insulin infusion.				
12.	Discontinue insulin infusion maintenance IV fluids when insulin infusion discontinued.							

Provider No. __ _ _ _ _ _

Date __

Date

ORDERS MUST INCLUDE LEGIBLE PROVIDER NUMBER, DATE, AND TIME

_Time _

Time

602-028 (Rev. 06/10) WorkflowOne ORIGINAL-MEDICAL RECORD WHITE-PHARMACY

Signature

Orders checked by

YELLOW-NURSING

_ Pager

INDICATIONS AND GUIDELINES FOR INSULIN INFUSION

RATIONALE

Predictable delivery and short biological effect (about 40 minutes) of intravenous insulin allows for rapid dose adjustment and more stable glucose levels. The risk of hypoglycemia is reduced and glycemic control is maintained even when the operative procedure is delayed.

INDICATIONS

- 1. All insulin-taking patients (Type 1 and Type 2) who are undergoing major surgery (general anesthesia, invasion of body cavity, surgical duration > 2 hours, NPO postoperatively).
- 2. Type 2 DM patients who are not taking insulin but are chronically hyperglycemic (fasting blood glucose > 150 mg/dL & HbA1C > 10%) and undergoing major surgery.
- 3. To establish insulin requirements for TPN & tube feeding.

GUIDELINES FOR DETERMINING INITIAL INSULIN DOSAGE

- 1. For Patients on < 30 units/24 hours insulin and Type 1 DM or s/p pancreatectomy, consider starting at 0.3 units/hour
- 2. For patients treated with < 30 units/24 hours, have Type 2 DM on oral agents or diet, consider starting on 1 unit/hour
- 3. For patient taking > 30 units insulin daily, consider starting at 1.5 units/hour
- 4. Insulin requirements are predictably increased in certain clinical conditions: severe infections, steroid therapy (doubles insulin needs), morbid obesity; and hepatic disease.

STOPPING INSULIN INFUSION AND INITIATING SUBCUTANEOUS REGIMEN (Patient eating)

- 1. Calculate the cumulative 24-hour dose (x = cumulative 24 hour total dose)
- 2. Divide the cumulative total dose by 2.5 to determine the Glargine dose (x/2.5 = y = Glargine dose).
- 3. Divide the cumulative dose to determine the basic Aspart dose before meals (x/7 = basic Aspart dose).
- 4. Write a high glucose correction premeals; bedtime, 2 am.

Endocrine / Metabolism service is available for advice on all aspects of diabetes care. Endocrine Fellow 443-9125; Clinical Nurse Specialist 443-2951.