

Review Due Date: 2016 May

PATIENT CARE ORDERS Please use black ink ballpoint p	on only and pres					
Weight (kg) Known Adverse Read	ctions or Intolerances	s mining to make copy			TRANSCRIPTION	
DRUG ∐ No	☐ Yes (list)					
FOOD □ No	☐ Yes (list)					
LATEX No	☐ Yes					
Diabetes Mana	gement – '	Tube Feeding/	Parenteral Nu	utrition		
	Ord	er Set (Adult)				
See Suggestions for Management (on reverse) ***If any order changes are required post initiation of this set, then a new order set must be completed*** ***Non-insulin antihyperglycemic agents or corticosteroid therapy may impact glycemic						
	0,	control***	., , ,	0,		
Capillary Blood Glucos 0300 h (if concerns abo Capillary Blood Glucos						
	Sch	eduled Insulin				
 If feedings or parentera 	 Discontinue all previous insulin orders If feedings or parenteral nutrition held, hold insulin, notify physician and request orders If tube feeding/parenteral nutrition is interrupted notify physician or nurse practitioner for 					
24-hour Cor	ntinuous En	teral Feeds or Pa	renteral Nutriti	on		
Coloot a Docal Inquilin						
Select a Basal Insulin Long-Acting Twice Dail	ly Subcut	aneous at 0800 h	Subcutaneous a	t 2000 h		
☐ Insulin glargine						
Insulin detemir	unitsunits					
OR Long Acting Once Deily Subsuteneous at 2000 h						
Long-Acting Once Daily Insulin glargine Subcutaneous at 2000 h						
☐ Insulin detemir						
If on 12-hour (Continuous	Enteral Feeds or	Parentral Nutr	ition		
Select a Basal Insulin						
Subcutaneous at 0800 h Subcutaneous at 2000 h						
☐ Insulin NPH						
☐ Insulin glargine units			units			
☐ Insulin detemir						
					Pharmacy Use Only:	
					Reviewed by: Entered by:	
					Checked by:	
Prescriber Printed Name	Designation	Signature	Date (YYYY/MM/DD)	Тіте (ннмм):	Page 1 of 3	



PATIENT CARE ORDERS

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Diabetes Management – Tube Feeding/Parenteral Nutrition Order Set (Adult)						TRANSCRIPTION		
If on Bolus Scheduled Feeds						-		
Bolus Insulin	т			-		·		
Bolus Insulin	Subcutaneous at # 1 Feeding Time		Subcutaneous at # 2 Feeding Time		Subcutar 3 Feeding	neous at # g Time		
	<u> </u>	h		h			_ h	
Short-Acting Insulin Regular	units		units			units		
AND A Basal Insulin								
Long-Acting Twice da ☐ Insulin glargine	aily	Subcuta	Subcutaneous at 0800 h		Subcu	Subcutaneous at 2000 h		
☐ Insulin detemir OR		<u> </u>	units			units		
Long-Acting Once da	illy			Subcı		ubcutaneous at 2000 h		
Insulin detemir						units		
								Pharmacy Use Only:
								Reviewed by: Entered by:
			 		<u> </u>		<u> </u>	Checked by:
Prescriber Printed Name	Desiç	gnation	Signa	iture	Date ((YYYY/MM/DD)	Тіте (ннмм):	Page 2 of 3



PATIENT CARE ORDERS

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Diabetes Management – Tube Feeding/Parenteral Nutrition Order Set (Adult)					TRANSCRIPTION
Administer subcuta measurements. Se Insulin as Insulin research one of the following for patients Insulin Resistant:					
Capillary Blood	Insulin	Usual	Insulin	Individualized]
Glucose (mmol/L)	Sensitive (units) ☐	(units) 🗌	Resistant (units) ☐	(units)	
10.1 to 12.0	2	4	6		-
12.1 to 14.0	4	6	8		
14.1 to 17.0	6	8	10		
17.1 to 20.0	8	10	12		
20.1 to 22.0	10	12	14		
Over 22	12	14	16		
					Pharmacy Use Only: Reviewed by:
					Entered by: Checked by:
Prescriber Printed Na	me Designation	Signature	Date (YYYY/I	мм/рр) Тіте (ннмм):	Page 3 of 3

SUGGESTIONS FOR SELECTING A BASAL-BOLUS REGIMEN IN A PATIENT WITH TUBE FEEDING / PARENTERAL NUTRITION

If tube feeding/ parenteral nutrition is interrupted start 10% dextrose (D10W) at 40 mL/hour immediately, hold the next dose of insulin, and determine the most appropriate insulin regime based on the patient's nutritional intake.

Step 1. Calculate Starting Total Daily Dose (TDD) of Insulin:

For patients previously on insulin:

Calculate the total daily dose of insulin by adding up all the doses of insulin they take on a usual day.

For patients previously not on insulin:

Use 0.3 units/kg/day if patient has "insulin sensitivity" [lean or malnourished patients, elderly, acute or chronic kidney disease (especially dialysis-requiring)]

Use 0.4 units/kg/day in "usual" patients (no features of insulin sensitivity or insulin resistance)

Use 0.5 – 0.6 units/kg/day if patient has "insulin resistance" (obese patients or receiving high doses of glucocorticoids)

Step 2. Determine Scheduled Insulin Dose

For patients receiving 24 hour continuous enteral feeds or parenteral nutrition:

Give ½ of the TDD of insulin as basal insulin.

Select detemir or glargine once daily

or

detemir or glargine q12 h (basal dose split into 2)

As the feeds increase over the first few days, be prepared to increase the dose of basal insulin to match the increasing intake of calories.

For patients receiving 12 hour continuous enteral feeds or parenteral nutrition:

Overnight- Feeds	Daytime- Feeds			
Give ½ of the TDD of insulin as basal insulin				
Select NPH q12 h				
Give ¾ of the dose of NPH at 2000 to match the overnight feed	Give 1/4 of the dose of NPH at 2000 to match the overnight feed			
Give 1/4 of the dose at 0800 to control daytime blood glucose levels	Give 3/4 of the dose at 0800 to control daytime blood glucose levels			

For patients receiving bolus enteral feeds:

Treat these patients like people who are eating meals.

Divide TDD to 50% basal, 50% bolus

<u>Basal insulin</u>: Select detemir or glargine once daily or detemir or glargine q12 h (basal dose split into 2). Basal insulin may not be warranted for patients who were previously well controlled on non-insulin antihyperglycemic medications. If no basal insulin is ordered reassess within 24-48 hours of initial order and continue to monitor.

Bolus insulin: Select Regular insulin. Time insulin dosing to match feed times

Step 3. Select an Appropriate Correction (Supplemental) Insulin Scale

Use rapid-acting insulin (aspart) for patients receiving 24 hour continuous enteral feeds or parenteral nutrition. Use Regular insulin for patients receiving bolus enteral feeds.

Frequent use suggests a need to modify the scheduled insulin dose.

Initially select the Correctional Dose Insulin Algorithm that matches the category used to calculate the starting TDD of insulin (i.e., "insulin sensitive", "usual", "insulin resistant")

Example of continuous enteral feeds:	Example of bolus enteral feeds:
80 kg obese woman on continuous feeds	80 kg obese woman on 3 bolus feeds a day
Step 1: TDD = 80 kg x 0.5 units/kg/day = 40 units	Step 1: TDD = 80 kg x 0.5 units/kg/day = 40 units
Step 2: Give 50% basal (20 units)	Step 2: Give 50% basal (20 units)
Basal: glargine or detemir 20 units typically given at 2000	Basal: glargine or detemir 20 units typically given at 2200
Step 3: Select "Usual Algorithm" Correctional Dose	Give 50% bolus (20 units). Regular insulin 7 units before
Insulin Algorithm qid	each bolus feed
	Step 3: Select "Usual Algorithm" Correctional Dose
	Insulin Algorithm gid