

Intrapartum Insulin Drip Order Set for Target Blood Glucose 70-110 mg/dL [3618]

Not for DKA, Hyperosmolar Syndrome

TARGET BLOOD GLUCOSE = 70 - 110 mg/dL

Providers: If patient has active insulin / non-insulin ANTIHYPERGLYCEMIC orders, please consider discontinuing.

Nursing

Target Blood Glucose

Intrapartum Insulin Drip: target blood glucose Routine, Until discontinued, Starting S
70-110 mg/dL

Finger Stick Blood Glucose (FSBG) Monitoring

Bedside glucose monitoring Routine, Every 30 min
-Monitor blood glucose every 30 minutes for 2 occurrences on initiation, and then every hour

-If blood glucose 50 mg/dL or LESS, give Dextrose 50% 50 mL IV Push, infuse D5LR at 150 mL/hr. Notify physician. Monitor blood glucose every 30 minutes until glucose is GREATER than 70 mg/dL.

-If blood glucose 51-69 mg/dL, infuse D5LR at 125 mL/hr. Notify physician. Monitor blood glucose every 30 minutes until glucose is GREATER than 70 mg/dL.

-Monitor blood glucose every 30 minutes until glucose is greater than 70 mg/dL.

Notify (Selection Required)

Notify Provider Routine, Until discontinued, Starting S, If Blood Glucose below 70 mg/dL

AND

If Blood Glucose greater than 200 mg/dL

Infusion Management - Intrapartum Insulin Drip 70-110 mg/dL

IV Fluids (Single Response)

<input type="checkbox"/> For Blood Glucose LESS than or EQUAL to 50 mg/dL : dextrose 5 % and lactated ringers infusion @ 150 mL/hr	150 mL/hr, intravenous, continuous
<input type="checkbox"/> For Blood Glucose BETWEEN 51-69 mg/dL : dextrose 5 % and lactated ringers infusion @ 125 mL/hr	125 mL/hr, intravenous, continuous
<input type="checkbox"/> dextrose 5 % and lactated ringers infusion	intravenous, continuous
<input type="checkbox"/> lactated ringer's infusion	intravenous, continuous

Choose One Algorithm Below for Initiation of Therapy: (Single Response)

Glucose (mg/dL)	GLUCOSE GOAL 70-110 mg/dL			
50 or less	1. Turn insulin infusion off. Give D50% 50mL IV PUSH. Infuse D5LR at 150 mL/hr. Notify physician. 2. Recheck blood glucose every 30 minutes until glucose is greater than 70 mg/dL.			
51-69	1. Turn insulin infusion off. Infuse D5LR at 125 mL/hr. Notify physician. 2. Recheck blood glucose every 30 minutes until glucose is greater than 70 mg/dL.			
Glucose (mg / dL)	Algorithm 1 (Suggested for Type 1 DM) Regular Human Insulin 100 units in Normal Saline 100 mL (units/hour)	Algorithm 2 (Suggested for GDM) Regular Human Insulin 100 units in Normal Saline 100 mL (units/hour)	Algorithm 3 (Suggested for Type 2 DM) Regular Human Insulin 100 units in Normal Saline 100 mL (units/hour)	Customized Algorithm Regular Human Insulin 100 units in Normal Saline 100 mL (units/hour)
70-90	0.5	0	0	
91-110	1	0	1	
111-130	1.5	1	2	
131-150	2	2	3	
151-170	2.5	3	4	
171-200	3	4	5	
>200	Call MD and Stop all IV fluid containing dextrose	Call MD and Stop all IV fluid containing dextrose	Call MD and Stop all IV fluid containing dextrose	

(X) Select algorithm 1-3 (Single Response) (Selection Required)

() Algorithm 1: Suggested for insulin sensitive patients with Type 1

0.5-3 Units/hr, intravenous, continuous
 ALGORITHM 1: TARGET BLOOD GLUCOSE 70-110 mg/dL

Start regular human insulin 100 units in normal saline 100 mL (1 unit=1mL) via an intravenous pump and dedicated line at the protocol rate

70 - 90 mg/dL blood glucose: 0.5 units/hr insulin
 91 - 110 mg/dL blood glucose: 1 units/hr insulin
 111 - 130 mg/dL blood glucose: 1.5 units/hr insulin
 131 - 150 mg/dL blood glucose: 2 units/hr insulin
 151 - 170 mg/dL blood glucose: 2.5 units/hr insulin
 171 - 200 mg/dL blood glucose: 3 units/hr insulin
 GREATER than 200 mg/dL blood glucose: Call MD and Stop all IV fluid containing dextrose
 Select Appropriate Algorithm: Algorithm 1

() Algorithm 2: Suggested for insulin resistant patients with GDM (Gestational DM) 0-4 Units/hr, intravenous, continuous
 ALGORITHM 2: TARGET BLOOD GLUCOSE 70-110 mg/dL

Start regular human insulin 100 units in normal saline 100 mL (1 unit=1mL) via an intravenous pump and dedicated line at the protocol rate

70 - 90 mg/dL blood glucose: 0 units/hr insulin
 91 - 110 mg/dL blood glucose: 0 units/hr insulin
 111 - 130 mg/dL blood glucose: 1 units/hr insulin
 131 - 150 mg/dL blood glucose: 2 units/hr insulin
 151 - 170 mg/dL blood glucose: 3 units/hr insulin
 171 - 200 mg/dL blood glucose: 4 units/hr insulin
 GREATER than 200 mg/dL blood glucose: Call MD and Stop all IV fluid containing dextrose
 Select Appropriate Algorithm: Algorithm 2

() Algorithm 3 : Suggested for insulin resistant patients with Type 2 DM 0-5 Units/hr, intravenous, continuous
 ALGORITHM 3: TARGET BLOOD GLUCOSE 70-110 mg/dL

Start regular human insulin 100 units in normal saline 100 mL (1 unit=1mL) via an intravenous pump and dedicated line at the protocol rate

70 - 90 mg/dL blood glucose: 0 units/hr insulin
 91 - 110 mg/dL blood glucose: 1 units/hr insulin
 111 - 130 mg/dL blood glucose: 2 units/hr insulin
 131 - 150 mg/dL blood glucose: 3 units/hr insulin
 151 - 170 mg/dL blood glucose: 4 units/hr insulin
 171 - 200 mg/dL blood glucose: 5 units/hr insulin
 GREATER than 200 mg/dL blood glucose: Call MD and Stop all IV fluid containing dextrose
 Select Appropriate Algorithm: Algorithm 3

() Custom Algorithm: START HERE WITH ENDOCRINE/MFM CONSULTATION ONLY

[] insulin regular 1 unit/mL infusion for blood glucose 70-110 (Intrapartum) intravenous, continuous
 Select Appropriate Algorithm: Custom Algorithm
 Blood Glucose 70-90 mg/dL (units/hr of insulin):
 Blood Glucose 91-110 mg/dL (units/hr of insulin):
 Blood Glucose 111-130 mg/dL (units/hr of insulin):
 Blood Glucose 131-150 mg/dL (units/hr of insulin):
 Blood Glucose 151-170 mg/dL (units/hr of insulin):
 Blood Glucose 171-200 mg/dL (units/hr of insulin):
 Blood Glucose GREATER than 200 mg/dL (units/hr of insulin):

Hypoglycemia Management (Selection Required)

[X] dextrose 50% injection intravenous, PRN, low blood sugar, as directed
 If blood glucose is 50 mg/dL or LESS, Give dextrose 50% 50 mL IV push
 Infuse D5LR at 150 mL/hr.
 Notify physician.
 Recheck blood glucose every 30 minutes until glucose is GREATER than 70 mg/dL.