

^{*} Trouble shoot with MD if glucose increases while on insulin drip: Causes may include: 1) insulin drip off 2) IV access loss/infiltrated 3) Patient eating 4) Steroids or excessive glucose administered



Transition to subcutaneous insulin therapy (requires order entry in electronic health record)

Anion Gap Closure and/or Absence of Ketones

- **Insulin glargine:** Recommended starting dose 0.25 units/kg. Consider insulin drip requirements over the past 6-8hrs and current blood glucose fingerstick. Consider patient's home dose if reliable.
- ICU DKA Transition to SC Insulin
 - o If tolerating PO diet then see Healthbridge Insulin Order Set: ICU DKA Transition to Subcutaneous Insulin
 - o If on tube feeds then see Healthbridge Insulin Order Set: Enteral / Tube Feeds
 - o If NPO post insulin drip and no tube feeds then CONTINUE D5W, discontinue insulin drip and add Aspart sliding scale
- MD to discontinue insulin drip 2 hrs after long acting insulin administration
- Consider Endocrinology Consult

If patient able to tolerate PO (MD enters diet order)

- MD orders insulin aspart 0.08 units/kg/dose TID with meals
- No further insulin drip titration per fingersticks by RN (run at fixed rate)

Electrolyte Replacement Guidelines:

POTASSIUM replacement		
Serum Potassium	Establish adequate urine output (0.5 mL/kg/hr) before giving potassium	
< 3.3 mEq/L	Hold insulin and give 20 – 40 mEq potassium riders until K > 3.3 mEq/L	
3.3 - 5.3 mEq/L	Give 20 – 30 mEq potassium riders to keep serum K between 4 – 5 mEq/L	
> 5.3 mEq/L	Do not give potassium, but check serum K every 2 hours	

PHOSPHORUS replacement					
Use POTASSIUM PHOSPHATE when serum potassium < 4 mEq/L. Each mL contains 3 mmol phosphate and 4.4 mEq potassium.		Use SODIUM PHOSPHATE for patients with serum potassium > 4 mEq/L. Each mL contains 3 mmol phosphate and 4 mEq sodium.			
Serum Phosphorus					
2.0-2.5 mg/dL	 10 mmol Potassium Phosphate (with 15 mEq Potassium) IVPB in 250 mL NS over 4 hours 	 10 mmol Sodium Phosphate (with 13 mEq Sodium) IVPB in 250 mL NS over 4 hours 			
1.5 – 1.9 mg/dL	 15 mmol Potassium Phosphate (with 22 mEq Potassium) IVPB in 250 mL NS over 4 hours 	 15 mmol Sodium Phosphate (with 20 mEq Sodium) IVPB in 250 mL NS over 4 hours 			
1.0-1.4 mg/dL	 21 mmol Potassium Phosphate (with 30.8 mEq Potassium) IVPB in 250 mL NS over 4 hours 	 21 mmol Sodium Phosphate (with 28 mEq Sodium) IVPB in 250 mL NS over 4 hours 			
< 1.0 mg/dL	 Central line required: 30 mmol Potassium Phosphate (with 44 mEq Potassium) IVPB in 250 mL NS over 6 hours 	Central line required: 30 mmol Sodium Phosphate (with 40 mEq Sodium) IVPB in 250 mL NS over <u>6 hours</u>			

MAGNESIUM REPLACEMENT			
Serum Magnesium	Magnesium Replacement Order		
1.3-2.0 mg/dL	 Magnesium Sulfate IVPB – 2 grams/50 mL x 1 dose (over 1 hour) 		
< 1.3- mg/dL	 Magnesium Sulfate IVPB – 4 grams x 1 dose (Infused as two 2-gram bags; each bag over 1 hour) 		

MD/PA Name:	Signature:	Date:	Time:
Nurse Name:	Signature:	Date:	Time:

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