

# HYPOGLYCEMIA TREATMENT GUIDELINES 2/2016

Practitioner order **REQUIRED** for any treatment requiring medication administration (i.e. D50%, Glucagon)

	Responsive, Able to Eat		Responsive, NPO, with IV Access		Responsive, NPO, without IV Access	Unresponsive, With IV Access	Unresponsive, without IV Access
	FS 50-70	FS <50	FS 50-70	FS <50	FS < 70	FS < 70	FS < 70
Fingerstick (FS)							
Medications / Treatment	15 grams simple carbs (4 oz) *	30 grams simple carbs (8 oz) **	½ amp (12.5 Grams) D50% IVP X 1 dose	1 amp (25 Grams) D50% IVP x 1 dose	Glucagon 1mg IM x 1	1 amp (25 Grams) D50% IVP x 1 dose	Glucagon 1mg IM x 1
Practitioner Notification	Required		Required		Required	Required & call RRT	Required & call RRT
Other Interventions					<ul style="list-style-type: none"> <li>Turn patient on left side in case of vomiting</li> <li>Obtain IV Access</li> </ul>		<ul style="list-style-type: none"> <li>Turn patient on left side in case of vomiting</li> <li>Obtain IV Access</li> </ul>
Repeat FS	Repeat FS in 15 minutes		Repeat FS in 15 minutes		Repeat FS in 15 minutes	Repeat FS in 15 minutes	Repeat FS in 15 minutes
Repeat Treatment, prn	If repeat FS remains <100, give 15 grams of simple carbs and obtain FS 15 minutes later. Continue this treatment until FS ≥ 100		If repeat FS remains <100, administer ½ amp D50% IVP and obtain FS 15 minutes later. Continue this treatment until FS ≥ 100		If repeat FS remains <100, <u>If IV access obtained</u> , follow steps for “Responsive, NPO, with IV Access”  <u>If IV access unsuccessful</u> , administer Glucagon 1mg IM X 1 and notify practitioner  <b>***Do not administer more than 2 doses of glucagon in total.</b>	If repeat FS remains <100, administer 1 amp D50% IVP and obtain FS 15 minutes later. Continue this treatment until FS ≥ 100	<u>If repeat FS remains &lt;100</u> , <u>If IV access obtained</u> , follow steps for “Unresponsive, with IV Access”  <u>If IV access unsuccessful</u> , administer Glucagon 1mg IM X 1 and notify practitioner  <b>***Do not administer more than 2 doses of glucagon in total.</b>
After FS ≥ 100	Once FS is corrected to ≥ 100: <u>If patient is not NPO</u> : if patient is not expected to eat a meal within 1 – 1 ½ hours, a snack (15 grams of carbs AND a protein or fat choice) should be provided to help stabilize blood sugars. Nursing should call the diet office to request a half sandwich or the standard diabetic snack for the day, or if dietary office is closed, provide the Nabisco Ritz cheese cracker sandwiches from the hypoglycemia dietary kit. <u>If patient is NPO</u> , collaborate with practitioner for additional orders.						

\*15 grams of simple carbs = 4 oz apple or cranberry juice  
 \*\*30 grams of simple carbs = 8 oz apple or cranberry juice  
 AVOID orange juice & AVOID adding sugar packets to juice

**\*\*\*Notes about Glucagon IM**

- Blood glucose should rise within 10 minutes of injection and peak effect is reached in 30 minutes
- Repeating the Glucagon dose may make nausea/vomiting more likely without raising the blood glucose level any further
- It can cause more insulin to be released and potential for secondary rebound hypoglycemia