

ADULT Hypoglycemia Clinical Decision Support Tool

Prevention of Nocturnal Hypoglycemia

In general, it is not necessary to give a bedtime snack for patients treated with basal (glargine, detemir) insulin. However, if bedtime BG is below target range AND above 70mg/dl: give a 15 gram CHO snack.

Treatment of Hypoglycemia: The major risk of insulin therapy is hypoglycemia. Appropriate dosing and timing of insulin in relation to food intake should minimize this risk. All patients on insulin or other hypoglycemic agents should have the following treatment orders in the event of hypoglycemia. The hypoglycemia treatment guidelines will be ordered on every patient receiving insulin therapy.

BG Level (mg/dl)	Patient Clinical Status	Treatment
50-69 mg/dl	Alert, taking PO	<p>Give 15 gm of rapid or fast acting carbohydrates. Choose one of the following:</p> <ul style="list-style-type: none"> • 4 oz. of apple or orange juice PO • 15 gm of glucose gel <p>Recheck BG 15 minutes post treatment. If BG remains < 70mg/dl, repeat treatment every 15 minutes until BG > 69mg/dl</p>
50-69 mg/dl	Alert, NOT taking PO	<p>Give 12.5 gm (25ml) of D50 IVP Recheck BG 15 minutes post treatment. If BG remains < 70mg/dl, repeat treatment every 15 minutes until BG > 69mg/dl If no IV access, RN may administer 1.0 mg glucagon IM, turn patient on side, recheck BG 15 minutes, may repeat glucagon x1 if BG remains <70mg/dl</p>
<70mg/dl	<u>Not alert</u>	<p>Give 25 gm (50 ml) of D50 IVP Recheck BG 15 minutes post treatment. If BG remains < 70mg/dl, repeat treatment every 15 minutes until BG > 69mg/dl</p>
<50mg/dL	Alert, NOT taking PO	<p>If no IV access, RN may administer 1.0 mg glucagon IM, turn patient on side, recheck BG 15 minutes, may repeat glucagon x1 if BG remains <70mg/dl</p>
<50mg/dl	Alert, taking PO	<p>Give 30 gm of fast acting carbohydrates. Choose one of the following:</p> <ul style="list-style-type: none"> • 8 oz. of apple or orange juice PO • 30 gm of glucose gel <p>Recheck BG 15 minutes post treatment. If BG remains < 70mg/dl, repeat treatment every 15 minutes until BG > 69mg/dl</p>

Notify physician of BG 50-69mg/dl that does not respond to treatment.

Notify physician of BG <50 mg/dl.