

“At-risk” defined as: Late Preterm (35-36 6/7 weeks), LGA (>4000gms) , SGA (<2500gms), IDM and/or GDM, Apgar <6 at 1 minute, Maternal Beta Blocker



Symptomatic and BS <40mg/dL → Notify Provider

SYMPTOMS OF HYPOGLYCEMIA: Irritability, tremors, jitteriness, exaggerated Moro reflex, high-pitched cry, seizures, lethargy, floppiness, cyanosis, apnea and poor feeding, tachypnea



ASYMPTOMATIC

Provide uninterrupted skin to skin care and initiate first feed WITHIN 1 hour of life

| Birth to 4 hours of age | | | 4 to 24 hours of age | | |
|--|--|---|---|--|---|
| <p>★ Target glucose ≥ 40mg/dL</p> <p>Screen glucose 30 minutes after 1st feeding, between 90-120 minutes of life</p> | | | <p>★ Target glucose ≥ 45mg/dL</p> <p>Feed newborn every 2-3 hours</p> <p>Check blood glucose before each feed</p> | | |
| <p>Initial Screen <25mg/dL</p> | <p>Initial Screen 25-40mg/dL</p> | <p>Initial Screen 25-40mg/dL</p> | <p>1st Screen after 4 hours of age ≤ 35mg/dL</p> | <p>1st Screen after 4 hours of age 35-45mg/dL</p> | <p>1st Screen after 4 hours of age 35-45mg/dL</p> |
| <ul style="list-style-type: none"> Glucose Gel immediately Place skin-to-skin and feed Repeat BG 1 hr after Gel dose Notify Provider (site specific) | <ul style="list-style-type: none"> Continue feeds q 2-3 hours Screen glucose level prior to each feed | <ul style="list-style-type: none"> Continue feeds q 2-3 hours Screen glucose level prior to each feed | <ul style="list-style-type: none"> Glucose Gel immediately Place skin-to-skin and feed Repeat BG 1 hr after Gel dose | <ul style="list-style-type: none"> Continue feeds q 2-3 hours Screen glucose level prior to each feed | <ul style="list-style-type: none"> Continue feeds q 2-3 hours Screen glucose level prior to each feed |
| <p>2nd screen <25mg/dL</p> | <p>2nd screen 25-40mg/dL</p> | <p>2nd screen >40mg/dL</p> | <p>2nd screen <35mg/dL</p> | <p>2nd screen 35-44mg/dL</p> | <p>2nd screen >45mg/dL</p> |
| <ul style="list-style-type: none"> Glucose Gel Immediately Place skin-to-skin and feed Notify Provider | <ul style="list-style-type: none"> Glucose Gel immediately Place skin-to-skin and feed Repeat glucose 1 hr after Gel dose | <ul style="list-style-type: none"> Continue feeds q2-3hrs Screen glucose level prior to each feed | <ul style="list-style-type: none"> Glucose Gel immediately Place skin-to-skin and feed Repeat glucose 1 hr after Gel dose Notify Provider | <ul style="list-style-type: none"> Glucose Gel immediately Place skin-to-skin and feed Repeat glucose 1 hr after Gel dose | <ul style="list-style-type: none"> Continue feeds q 2-3 hours Screen glucose level prior to each feed |

Goal: To obtain 3 consecutive glucose values in target range for age in hours : Birth to 4 hours of age ≥ 40 and 4 to 24 hours of age ≥ 45

Gel Administration



Squeeze weight based dose into syringe



Dry the buccal cavities with a sterile 2 x 2



Place partial dose on latex free gloved finger



Massage into buccal mucosa alternating sides until dose is complete.

40% ORAL GLUCOSE GEL DOSING CHART

Recommended dose = 0.5mL/kg

(200 mg glucose / kg / dose)

| Birth Weight | mL to administer |
|--------------|------------------|
| ≤ 2 kg | 1 mL |
| > 2 – 2.5 kg | 1.25 mL |
| > 2.5 – 3 kg | 1.5 mL |
| > 3 – 3.5 kg | 1.75 mL |
| > 3.5 – 4 kg | 2 mL |
| > 4 – 4.5 kg | 2.25 mL |
| > 4.5 – 5 kg | 2.5 mL |

LIMITS:

*1 dose per hour
3 total doses per infant*

