

Title:

Policy #: **4256**

Hypoglycemia in the Newborn

Attachment A - Management of Neonatal Hypoglycemia Algorithm: Asymptomatic Neonate with Risk Factors

1. Place all newborns Skin to Skin immediately after birth. Attempt to initiate feeding for all neonates as soon as the newborn is ready, preferably within 30 minutes to 1 hour of birth.

2. Assess the neonate for presence of the following risk factors

Risk Factors

- | | |
|---|---|
| <ul style="list-style-type: none"> • <37 weeks • ≥42 weeks • Diabetic mother • Maternal use of hypoglycemic agent • Maternal use of Beta Blockers | <ul style="list-style-type: none"> • LGA or SGA • Neonatal sepsis • Temperature instability • Apgar score less than (<) 7 at 5 minutes • Cord blood pH less than (<) 7.2 |
|---|---|

ASYMPTOMATIC WITH RISK FACTORS

Check blood glucose 90-120 minutes of life

Initial Glucose ≤ 24
Notify physician

If Glucose Gel ordered

Initial Glucose 25-39

- Notify Provider and activate order for glucose gel.
- Attempt to feed or use hand expression (based on maternal choice).
- Administer Glucose Gel per orders.

Initial Glucose ≥ 40
Continue feeding according to baby's feeding cues.

- Repeat blood glucose 4-6 hours after last blood glucose and prior to next feed during the 4-6 hour timeframe.
- * Last feed time must be noted.

Glucose ≤ 44

Glucose ≥ 45: screen complete

ePOC glucose* 1 hour after glucose gel administered. Continue to attempt to feed.

If ePOC Glucose ≤ 24

- Notify physician
- Do not administer additional glucose gel unless prescriber indicates to do so.
- Anticipate need for possible transfer to higher level of care

If ePOC Glucose 25-40

- Notify physician
- Administer 2nd dose of glucose gel per order and
- Attempt to feed, consider DHM if breastfeeding

Repeat ePOC glucose 1 hour after gel administered.

****Notify physician of result if ≤ 44****

If result ≥ 45

****If ePOC Glucose ≥ 40****
Continue to feed according to infant cues

- Repeat ePOC 4-6 hours after last blood glucose and prior to next feed during the 4-6-hour timeframe:
- ****If Glucose ≤ 44: notify physician****
- ****If Glucose ≥ 45: screening is complete****
- Continue to feed according to infant feeding cues

ASYMPTOMATIC WITHOUT RISK FACTORS
Routine newborn care

*South Lake Hospital and Bayfront Health will use POCT or alternative POCT approved method/Lab. glucose as needed.
**Newborn Standing Order Set includes Conditional Orders for up to 2 doses of glucose gel in specific situations.
*** May use Donor Human Milk if available and

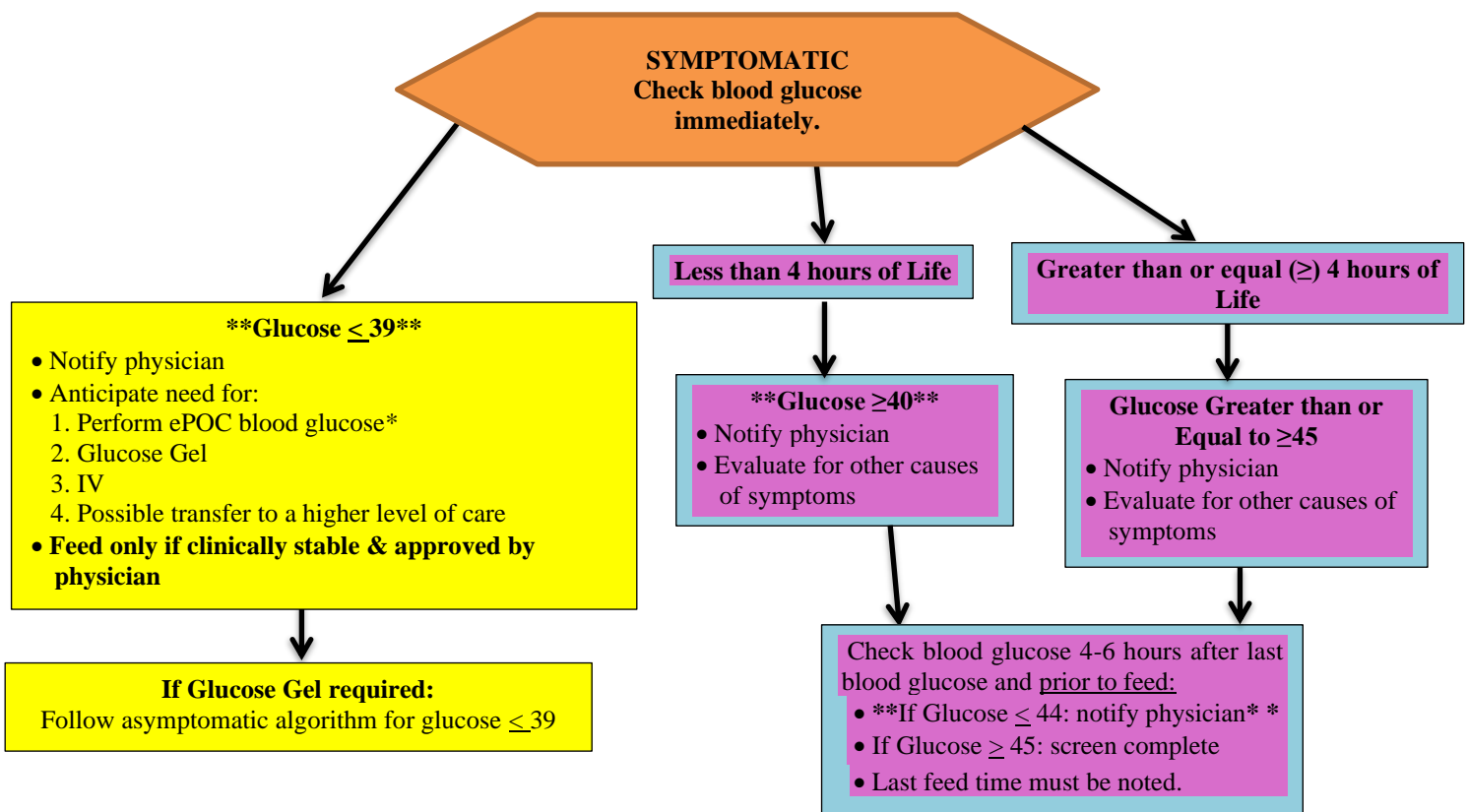
Title:

Policy #: **4256**

Hypoglycemia in the Newborn

Attachment B - Management of Neonatal Hypoglycemia Algorithm: Symptomatic Neonate

Assess the neonate for presence of the following symptoms	
Symptoms	
<ul style="list-style-type: none"> • Jitteriness • Stupor • Irritability • High-pitched cry • Seizures 	<ul style="list-style-type: none"> • Respiratory distress • Irregular rapid breathing • Hypotonia /floppiness • Lethargy • Poor feeding



*South Lake Hospital and Bayfront Health will continue using POCT or alternative POCT approved method/Lab. glucose as needed.

**Newborn Standing Order Set includes Conditional Orders for up to 2 doses of glucose gel in specific situations. **