Newborn Glucose Screening and Hypoglycemia Management
For Infants >34 Weeks at 0-4 Hours of Life

- Identify newborns at risk for hypoglycemia.
- Initiate hand expression within 1 hour and with each feeding for high risk infants.
- If infant is stable: Immediate and uninterrupted skin to skin contact, frequent feeding, and hand expression promote glucose homeostasis.

**SYMPTOMATIC INFANTS:**
Check POC glucose at symptom onset

**HYPOGLYCEMIA SYMPTOMS:**
- Abnormal neurologic status: Irritable, lethargic, jittery, hypotonic, high pitched cry, apneic, hypothermic, having seizures
- Feeding difficulty: Poor suck, uninterested
- Respiratory distress (including tachypnea, cyanosis)
- Call Provider with POC glucose result (83694 or 81390)
- Expect NICU transfer if <40 AND symptomatic

**HIGH RISK INFANTS:**
Check POC glucose 30 minutes after first feed

**HYPOGLYCEMIA RISK FACTORS:**
- LGA (>90%) or SGA (<10%)
- Birth weight <2500 grams
- Late preterm (34 weeks to 36 weeks and 6 days)
- Post dates (≥42 weeks)
- Infant of a diabetic mother (IDM)

**POC glucose**
- Heel stick
- Expressed Mother’s Milk (EMM)

**SYMPTOMATIC INFANTS:**
Check POC glucose at symptom onset

**POC glucose <25 mg/dL**
- Notify provider (83694 or 81390)
- Administer glucose gel
- Breastfeed and give EMM (give formula if EMM contraindicated)
- Send central glucose STAT. Call NICU charge (89769) for blood draw assist, if needed.

**POC glucose 25-39 mg/dL**
- Administer glucose gel
- Breastfeed and give EMM (give formula if EMM is contraindicated)

**POC glucose ≥40 mg/dL**
- Feed per cues
- Continue to monitor POC per protocol
- Continue to monitor for symptoms of hypoglycemia

**POC glucose <25 after 1st gel**
- Notify provider (83694 or 81390)
- Repeat glucose gel, 2nd dose
- Breastfeed and give EMM (give formula if EMM is contraindicated)
- TRANSFER TO PCN/NICU

**POC glucose ≥40 mg/dL**
- Notify provider (83694 or 81390)
- Repeat glucose gel, 2nd dose
- Breastfeed and give EMM (give formula if only breast milk is contraindicated)
- Send central glucose STAT. Call NICU charge (89769) for blood draw assist, if needed.
- Consider transfer to PCN/NICU

**Repeat POC glucose 60 min after 1st gel = ________**

**POC glucose <25 after 1st gel**
- Notify provider (83694 or 81390)
- Repeat glucose gel, 2nd dose
- Breastfeed and give EMM (give formula if no EMM)
- TRANSFER TO PCN/NICU

**POC glucose 25-39 mg/dL after 1st gel**
- Notify provider (83694 or 81390)
- Repeat glucose gel, 3rd dose
- Give EMM (give formula if no EMM)
- TRANSFER TO PCN/NICU

**POC glucose ≥40 mg/dL**
- Feed per cues
- Continue to monitor POC per protocol
- Continue to monitor for symptoms of hypoglycemia

**Repeat POC glucose 60 min after 2nd gel = ________**

**Initial POC glucose ________**

Please see Reverse Side for Management for Infants >4-24 hours

Finalized 7/19/18
Newborn Glucose Screening and Hypoglycemia Management
For Infants >34 Weeks at >4-24 Hours of Life

- Identify newborns at risk for hypoglycemia.
- If infant is stable: Check glucometer readings per protocol.
- Continue breastfeeding on demand, and hand expression with each feeding for high risk infants.

**SYMPTOMATIC INFANTS:**
Check POC glucose at symptom onset

Hypoglycemia Symptoms:
- Abnormal neurologic status: Irritable, lethargic, jittery, hypotonic, high pitched cry, apneic, hypothermic, having seizures
- Feeding difficulty: Poor suck, uninterested
- Respiratory distress (including tachypnea, cyanosis)
  - Call Provider with POC glucose result (83694 or 81390)
  - Expect NICU transfer if <40 AND symptomatic

**HIGH RISK INFANTS:**
Check ac POC glucose

Hypoglycemia Risk Factors:
- LGA (>90%) or SGA (<10%)
- Birth weight <2500 grams
- Late preterm (34 weeks to 36 weeks and 6 days)
- Infant of a diabetic mother (IDM)
- Post dates (>42 weeks)

POC glucose <35 mg/dL

- Notify provider (83694 or 81390)
- Administer glucose gel
- Breastfeed and give EMM (or formula if EMM contraindicated)
- Send central glucose STAT. Call NICU charge (89769) for blood draw assist if needed.

POC glucose 35-44 mg/dL

- Administer glucose gel
- Breastfeed and give EMM (give formula if breast milk is contraindicated)

POC glucose ≥45 mg/dL

- Feed per cues
- Continue to monitor POC per protocol
- Continue to monitor for symptoms of hypoglycemia

Repeat POC glucose 60 min after 1st gel =

POC glucose <35 after 1st gel

- Notify provider (83694 or 81390)
- Repeat glucose gel, 2nd dose
- Breastfeed and give EMM (give formula if no EMM)
- TRANSFER TO PCN/NICU

POC glucose 35-44 mg/dL after 1st gel

- Notify provider (83694 or 81390)
- Repeat glucose gel, 2nd dose
- Breastfeed and give EMM (give formula if breast milk is contraindicated)
- Send central glucose STAT. Call NICU charge (89769) for blood draw assist, if needed.
- Consider transfer to PCN/NICU

Repeat POC glucose 60 min after 2nd gel =

POC glucose <35 after 2nd gel

- Notify provider (83694 or 81390)
- Repeat glucose gel, 3rd dose
- Give EMM (give formula if no EMM)
- TRANSFER TO PCN/NICU

POC glucose 35-44 mg/dL

- Feed EMM or formula if no EMM
- Give 3rd dose of gel and notify provider (83694 or 81390) that dose given

POC glucose ≥45 mg/dL

- Feed per cues
- Continue to monitor POC per protocol
- Continue to monitor for symptoms of hypoglycemia

Please see Reverse Side for Management for Infants 0-4 hours

Finalized 7/19/18