NLEMMC Newborn Nursery Hypoglycemia Algorithm*

🕸 Northern Light Health

NLEMMC NICU (207) 275-1082

Symptomatic Neonate	Asymptomatic High-	Risk Neonate
Any Age in Hours	Birth to 4 Hours of Age	4 to 24 Hours of Age
Signs may include but are not limited to: hypotonia lethargy poor suck or feeding tremors respiratory distress tachypnea temp instability	 Encourage skin-to-skin with mother FEED (BF/MOM/PDHM/formula) within 1 hour of birth Minimum volume of 3mL/kg if supplement Screen glucose 30 minutes after 1st feeding (no later than 90 minutes of age) Target glucose level is ≥ 40 mg/dL from birth to 4 hours of age 	 FEED infant (BF/MOM/PDHM/formula) every 2-3 hours Target glucose levels should be ≥ 45 mg/dL Consult NICU if unable to maintain glucose ≥ 45 mg/dL or for recurrent hypoglycemia Check AC glucose per algorithm:
 cyanosis seizures exaggerated Moro apneic episodes high pitched cry eye rolling Blood glucose < 40 mg/dL: Obtain lab/iStat glucose level Notify newborn attending provider if confirmed glucose < 40 mg/dL on lab/iStat Start IV glucose per provider order IV Glucose: 1. D10W bolus 2 mL/kg (give over 5 minutes) Start maintenance IV with D10W at 80 mL/kg/day Repeat blood glucose 30 minutes after IV glucose bolus started 	Red Zone Glucose < 25 mg/dL Yellow Zone Glucose 25 - 39 mg/dL Confirm with lab/iStat 1. Confirm with lab/iStat Confirm with lab/iStat 1. Confirm with lab/iStat Sive glucose gel 3. BF AND feed (human milk/formula) Notify newborn attending provider Image: Simple state Initiate IV glucose *Consider glucose gel while obtaining IV access Proceed to appropriate colored glucose zone – glucose gel may be given a MAX of 2 times If glucose remains > 40 mg/dL and > 4 hours, proceed to 4 – 12 hour algorithm	Red Zone 35 mg/dL 1. Confirm with 1ab/iStat 2. Notify 35 - 44 mg/dL 1. Confirm with 1ab/iStat 2. Notify ister glucose gel 3. Initiate IV Glucose per provider order If poor feeding, Notify revelow mathematication in the second of
Feeding Guidelines: Human milk or term formula Syringe, cup, finger, and/or bottle/nipple feed 3-10 mL/kg	High Risk Neonates: IDM** LGA SGA < 37 weeks 5-minute Apgar < 7 Temperature < 36.5° C (97.7° F) Unknown/abnormal GTT No Prenatal Care	Dextrose 40% Gel 200 mg/kg Dose: 0.5 mL/kg Wt Dose 2 kg 1 mL 2.5 kg 1.25 mL 3 kg 1.5 mL 3.5 kg 1.75 mL 4 kg 2 mL 4.5 kg 2.25 mL

* Algorithm is not intended to replace provider's clinical judgment. ** IDM consists of all infants of insulin dependent, non-insulin dependent, and gestational diabetic mothers.