



### Target Glucose Levels for Age

Birth to 4 hours of life	≥ 35 mg/dL
>4 – 24 hours of life	≥ 45 mg/dL
>24 – 48 hours of life	≥ 50 mg/dL
>48 hours of life	≥ 60 mg/dL

### Symptoms of Hypoglycemia

- Irritability
- Tremors/jitteriness
- Exaggerated Moro reflex
- High-pitched cry
- Seizures
- Lethargy
- Floppiness
- Cyanosis
- Apnea
- Poor Feeding

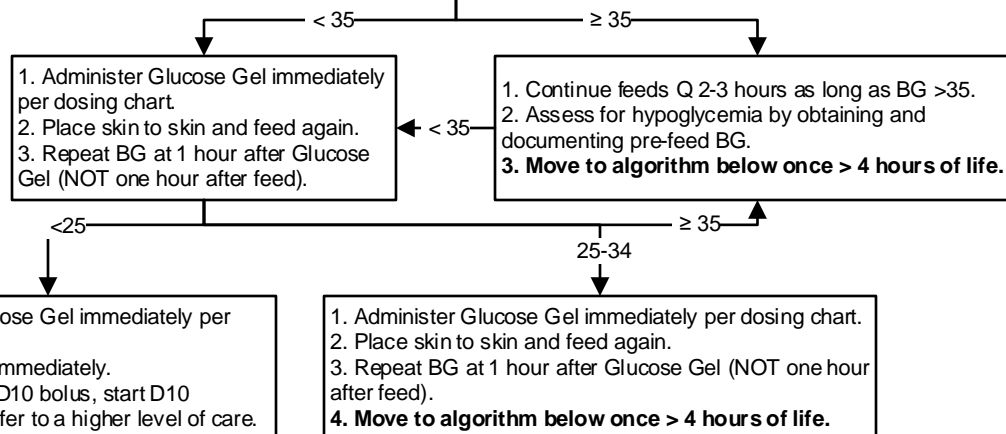
### 0-4 HOURS OF AGE

#### At Risk Infants (See Indications Box)

Begin feeding within one hour of birth. First glucose should be obtained 30 minutes after completion of first feed.

#### Indications for Screening of At Risk Infants

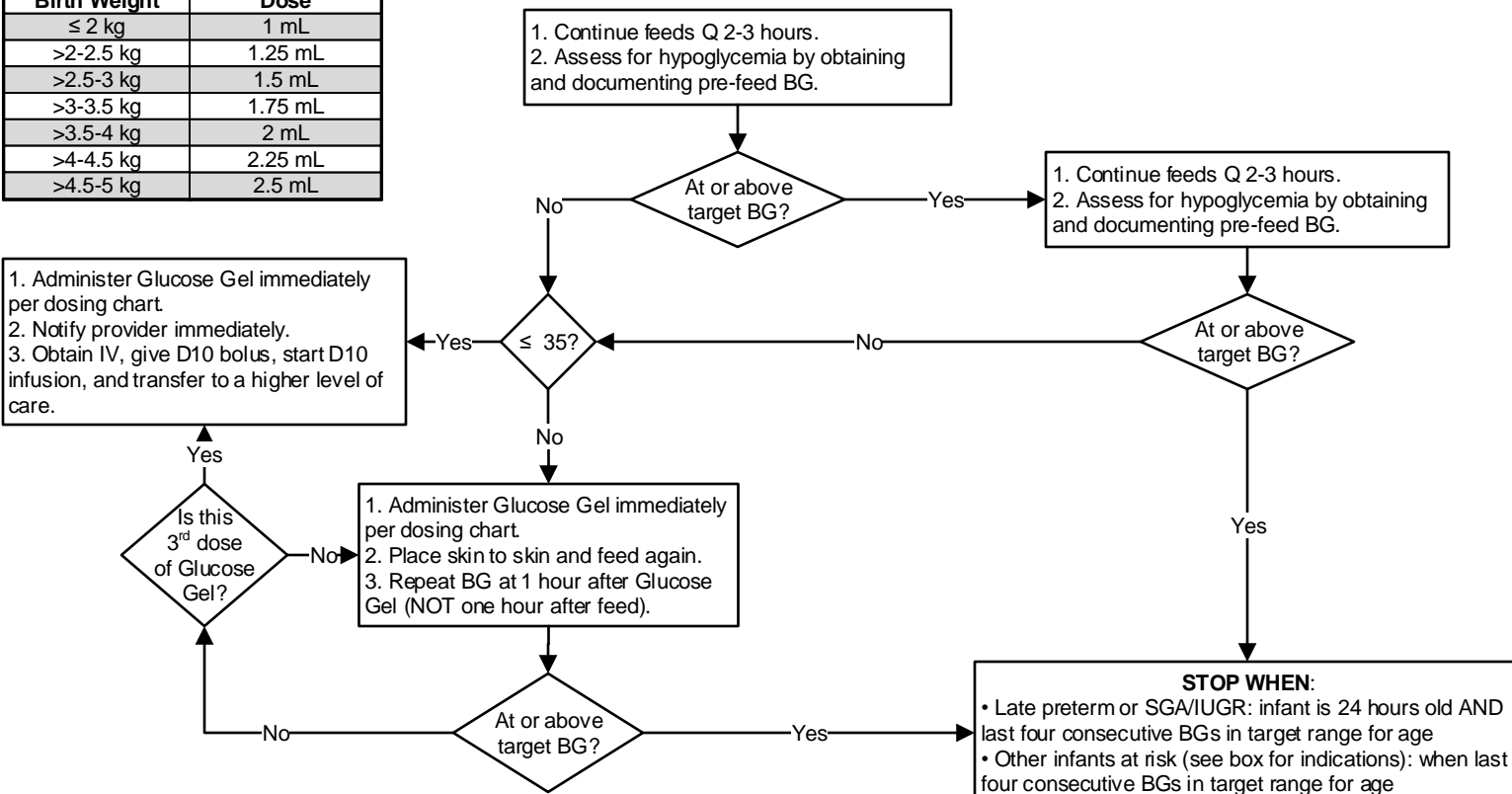
- **SGA** (<10%ile BW) or IUGR
- **LGA** (>90%ile BW)
- Infant of Diabetic Mother
- Maternal exposure to labetalol
- Late preterm (34 0/7 – 36 6/7) or post-term (>42 weeks)
- Perinatal stress (C-section for fetal distress, maternal preeclampsia or severe HTN, etc.)
- Physician discretion



### GLUCOSE 40% GEL DOSING

Birth Weight	Dose
≤ 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

### > 4 - 48 HOURS OF AGE



#### If infant has severe symptoms or BG is <25 after first Dextrose Gel dose THE ABOVE PROTOCOL NO LONGER APPLIES.

- Give Glucose Gel dose.
- Start IV.
- Give D10 2 mL/kg bolus at 1 mL/minute.
- Start D10 infusion at 80 mL/kg/day.
- Goal is to keep baby's serum glucose at 60.
- Check glucose 30 minutes after each bolus or rate change and Q1-2h until stable.
- If glucose remains low, give another D10 2 mL/kg bolus and increase hourly rate by 1 mL/hour.

This guideline is designed for the general use of most patients but may need to be adapted to meet the special needs of a specific patient as determined by the medical practitioner.  
Approved by Clinical Guideline Committee 3/11/24.  
Click [here](#) to see the supplemental resources for this guideline.  
If comments about this guideline, please contact  
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