



IV Weaning Protocol for Newborns with Hypoglycemia

(for infants <48 hours of age and failed PO algorithm)

Blood Glucose <30 MG/DL and Symptomatic

Blood Glucose <30 MG/DL and Asymptomatic

Bolus of 2mL/kg of D10W

Begin D10W @ 60-80 mL/kg/d (GIR 4-6 mg/kg/min)

Recheck BG 30 minutes after initiation of D10W

Recheck BG 60 minutes after any **increase** in GIR until target BG achieved

Recheck BG in 2-3 hours after any **decrease** in GIR (AC if PO feeding)

TARGET BG ≥ 46 MG/DL

For infants <48 hours of age

ADJUST RATE AS FOLLOWS:

BG<30

Bolus & increase GIR by 1-2 mg/kg/min

BG 30-44

Increase GIR by 1-2 mg/kg/min

BG 45-60

No change

BG>60

Decrease GIR by 0.5-1 mg/kg/min

BG>75

Decrease GIR by 2 mg/kg/min



CONSIDERATIONS:

1. Infants with multiple risk factors or inability to adequately feed will likely require higher GIR
2. At 100mL/kg/d of D10W consider D12.5, if GIR requirements continue to increase, consider central line
3. Titration guidelines should not be used if GIR requirements exceed 10-12 mg/kg/min
4. If hypoglycemia recurs with decreasing GIR, consider holding at previous GIR for 6-12 hours before next attempt to decrease
5. After IV fluids are discontinued, newborn should have 3 consecutive glucose levels ≥ 46 before transfer to NBN or discharge (for newborns >48 hours old- glucoses should be increasing >60)