

Alaska Native Medical Center

Protocol for administration of oral glucose gel in infants

Step 1: Follow the hypoglycemia pathway or provider order to determine when to use glucose gel.

Step 2:

Get tube of dextrose gel from the Pyxis.



Squeeze gel into a medicine cup.



Draw the whole dose up into an oral syringe.

Dosing:
0.5 mL/kg

Step 3:

Ensure infant is comfortable (swaddled, held by family, etc.).



Dry buccal mucosae with a 2x2 gauze.



Place about $\frac{1}{4}$ of the gel on a gloved finger. Massage into the buccal mucosa of one cheek. Repeat on the opposite side. Repeat this process with remaining gel.



Allow infant to feed. Use hypoglycemia pathway or provider order to determine when to recheck blood sugar.

References:

1. Bennett, C. et al. Implementing a Protocol: Using Glucose Gel to Treat Neonatal Hypoglycemia. *Nursing for Women's Health*, 2016. 20(1): 64-74.
2. Weston, P.J. et al. Oral dextrose gel for the treatment of hypoglycaemia in newborn infants (Review). *Cochrane Database of Systematic Reviews*, 2016. Issue 5: 1-42.
3. Harris, D.L. et al. Dextrose gel for neonatal hypoglycaemia (the Sugar Babies Study): a randomised, double-blind, placebo-controlled trial. *The Lancet*, 2013. 382: 2077-2083.

Approved by MCH CCBG: 8/16/17