

NEONATAL					
GLUCOSE GEL 40%					
This document should be read in conjunction with this DISCLAIMER					
Unrestricted: Any prescriber may initiate treatment as per guideline					
Presentation	Oral Gel: (Glutose15® Lemon Flavour)				
	15g of glucose/37.5g tube = 0.4g/mL				
	Concentration = 200mg of Glucose 40% Gel in 0.5ml				
	Contains: citric acid monohydrate, water, dextrose, glycerin, methylparaben, potassium sorbate, propylparaben, carboxymethylcellulose, sodium citrate.				
Classification	Glucose gel. Mobilises glucose stores together with breastfeeding, expressed breast milk or formula to increase blood sugar levels.				
Contraindication	Do not use on infants who have symptomatic hypoglycaemia, PGL < 2.0 mmol/L. <i>Contact neonatal senior registrar or consultant</i>				
Indication	 For Acute Management of Neonatal Hypoglycaemia 				
	Inclusion criteria:				
	Plasma glucose level (PGL) between 2 and 2.5 mmol/L				
	 Infants of Diabetic Mothers 				
	■ ≥ 35 weeks gestation and				
	≤ 48 hours of age and				
Doso	Buccal				
D03e	0.5 mL/ka/dose (200 ma/ka/dose)				
	Duration:				
	 If more than 2 doses are required contact the neonatal consultant or senior registrar. 				
	A maximum of 6 doses over 48 hours can be given on consultant or senior registrar advice ONLY				

Monitoring	 Notify paediatric registrar about low PGL 2.0 – 2.5 mmol/L Check plasma glucose level 30-60 minutes after administration of gel and feeding. Use the radiometer in postnatal wards for PGL testing. If still hypoglycaemic notify neonatal registrar/consultant for 		
	 possible, repeat dose with EBM or formula Check PGL in further 30 - 60 mins post gel. 		
	 If at any point the neonate is symptomatic or PGL ≤ 2.0 contact consultant 		
Dose Adjustment	Consult senior staff for ongoing management		
Administration	Buccal: SINGLE Patient Use Only		
	 Give dose with breast feeds, EBM or formula. Persons authorised to administer gel and required level of competency are: Registered Nurse Midwife Obstetric nurse Wearing a clean glove, gently dry the infant's buccal mucosa with gauze. Massage into infant's mucosa with a gloved hand. NB: <u>Do not</u> squirt the gel directly into the neonate's mouth or down a nasogastric tube; always rub into the buccal mucosa. 		
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Adverse Reactions	No adverse effect currently listed. Any adverse effects after gel administration must be reported to the doctors and the pharmacy department. Rare : Hyperglycaemia
Guidelines & Resources	<u>Hypoglycaemia</u>
Storage	Seal the tube with a syringe cap and place in the fridge for further dose if required. Can be stored in a refrigerator for 48 hours after opening.
References	Deborah L Harris, Philip J Weston, Mathew Signal, J Geoffrey Chase, Jane E Harding. Dextrose gel for neonatal hypoglycemia (the sugar babies study): a randomized, double- blind, placebo- controlled trial. Lancet 2013; 382:2077- 2083 (cited Aug 19).
	Harris DL, Alsweiler JM, Ansell JM, Gamble GD, Thompson B, Wouldes TA, Yu TY, Harding JE, with Hypoglycaemia C. Outcome at 2 years after dextrose gel treatment for neonatal hypoglycemia: follow- up of a randomized trial. The Journal of pediatrics. 2018 April 24;170:54-9 (cited Aug 19).
	Harris DL, Gamble GD, Weston PJ, Harding JE. What happens to blood glucose concentrations after oral treatment for neonatal hypoglycemia?. The Journal of pediatrics. 2017 Nov 1;190:136-41 (cited Aug 19).
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	Weston PJ, Harris DL, Battin M, Brown J, Hegarty JE, Harding JE. Oral dextrose gel for the treatment of hypoglycaemia in newborn infants. The Cochrane Library. 2016 May 4 (cited Aug 19).

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Author / Reviewer:	KEMH & PCH Pharmacy / Neonatology Directorate			
Date first issued:	August 2001	Version:	3.0	
Last reviewed:	October 2019	Next review date:	Oct 2022	
Endorsed by:	Neonatal Directorate Management Group	Date:	Oct 2019	
Standards Applicable:	NSQHS Standards:			
	1 🕙 Governance 3 🥯 Infection Control 4 🥙 Medication Safety;			
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