



NEONATAL MEDICATION PROTOCOLS

GLYCERYL TRINITRATE TOPICAL
Created by: NCCU
Date for review: Aug 2016

NCCU Clinical Guidelines
KEMH/PMH
Perth, Western Australia

DRUG:	GLYCERYL TRINITRATE TOPICAL
PRESENTATION:	Ointment: 0.2%
ACTION & INDICATION	Vasodilator. May be used to reverse peripheral tissue ischaemia secondary to arterial line complications in neonates
DOSE:	1 centimeter / kg . Repeat dose every eight hours if necessary
ADMINISTRATION:	Apply as a thin film over affected areas
ADVERSE EFFECTS:	Tachycardia, paradoxical bradycardia, flushing, headache Nausea, vomiting, heartburn, dizziness Avoid use with increased intracranial pressure, severe anaemia, hypotension. Avoid concomitant administration of sildenafil, nitric oxide.
COMMENTS:	Use gloves when applying ointment to avoid side effects in person administering drug. The 2% ointment (Nitro-Bid) is no longer available in Australia Glyceryl trinitrate patches (release rate 5mg/24 hours), cut into strips have also been used. Apply for 2 to 4 hours. Review the area then reapply if desired. Each strip may be used for up to 24 hours.
REFERENCES:	BNF for Children 2013 Baserga MC, Pur A, Sola A. The use of topical nitroglycerine ointment to treat peripheral tissue ischaemia secondary to arterial line complications in neonates. J Perinatol 2002;22(5):416-9
DATE:	August 2013