



NEONATAL MEDICATION PROTOCOLS

GLYCERYL TRINITRATE
 Created by: NCCU
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NCCU Clinical Guidelines
 KEMH/PMH
 Perth, Western Australia

DRUG:	GLYCERYL TRINITRATE
PRESENTATION:	Ampoule: 50mg / 10mL
ACTION & INDICATION:	Vasodilating agent For control of hypertension associated with surgical procedures such as cardiac surgery.
DOSE:	IV: 1 to 10 microgram / kg / minute Usual dose 1-3microgram /kg/ minute
PREPARATION:	Use solution prepared in Pharmacy if available. Diluent: Glucose 5% only Add 3mg / kg to 50mL of diluent. This is then infused at a rate of 1 - 10 mL / hr = 1 microgram / kg / minute to 10 microgram / kg /minute For other concentrations refer to the Calculation of drug infusion table.
ADMINISTRATION:	Intravenous infusion Use only polyethylene tubing – Portex manometer or Go Medical V2V4, V set tubing, as GTN migrates readily into plastic Do not filter.
ADVERSE EFFECTS:	Tachycardia Bradycardia Hypotension Vomiting Use gloves, or wash hands well when handling GTN to prevent severe headaches.
COMMENTS:	Do not use if turbidity or crystallisation present in prepared solution (concentration > 20mg/50mL). GTN IS NOT LIGHT SENSITIVE Compatible with Morphine and Dopamine solutions providing they are diluted in Glucose 5% and rate of administration is similar.
REFERENCES:	BNF for Children 2012
DATE:	September 2013