



NEONATAL MEDICATION PROTOCOLS

NORADRENALINE
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NCCU Clinical Guidelines
 KEMH/PMH
 Perth, Western Australia

DRUG	NORADRENALINE
PRESENTATION:	Ampoule: 4mg/4mL
ACTION & INDICATION:	Noradrenaline is a catecholamine with β -1 and potent α -1 activity. Usually added to dopamine to treat profound hypotension, in the setting of sepsis when other inotropes have failed. It also has a direct stimulatory action on the myocardium.
DOSE:	DOSE stated as Noradrenaline base Initial Dose: 0.05 – 0.1 microgram/kg/minute Titrate in small increments as required to a maximum dose: 0.05 – 0.5 microgram/kg/minute
PREPARATION:	Use solution prepared in Pharmacy if available. To give an infusion rate of 0.1 microgram/kg/minute: Take 300 microgram (0.3mg) of noradrenaline base per kilogram of baby's weight and dilute to 50mL with 5% glucose or 5% glucose/saline solutions. 1mL/hr = 0.1 microgram/kg/minute
ADMINISTRATION:	IV Infusion into central line access only
ADVERSE EFFECTS:	Hypertension which may be associated with bradycardia. Prolonged use of high doses can result in renal impairment and reduced peripheral tissue perfusion. Monitor BP continuously. Extravasation can cause local tissue necrosis. The infusion site should be checked regularly.
COMMENTS:	Do not cease infusion abruptly Discard diluted solutions after 24 hours Protect ampoules from light during storage and discard if discoloured. Correct hypovolaemia before commencing noradrenaline Metabolised in liver, excreted in urine
REFERENCES:	Paediatric Pharmacopoeia 13 th Ed Royal Children's Hospital Melbourne Frank Shann Drug doses 2005
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