



NEONATAL MEDICATION PROTOCOLS

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

DRUG:	FENTANYL
PRESENTATION:	Ampoule: 100 micrograms/2mL
ACTION & INDICATION:	Synthetic opiate used for analgesia, sedation for elective intubation (at consultants' discretion) and anaesthesia. Duration of action is only 30 to 60 minutes unless administered by infusion.
DOSE:	Sedation for intubation: IV: 4 microgram/kg/dose Analgesia: IV: 1 – 4 microgram/kg/dose 2 – 4 hourly as required. Infusion: 1 – 5 microgram/kg/hour
PREPARATION:	IV: Draw up 2mL (100 micrograms) and dilute to 10mL = 10 microgram/mL Infusion: Dilute 50microgram/kg of baby's weight to 50mL with required infusion solution = 1microgram/kg/mL Compatible with glucose, sodium chloride 0.9% and glucose/saline solutions.
ADMINISTRATION:	Intravenous: must be given by slow IV push over 1-2 minutes Infusion:
ADVERSE EFFECTS:	Bradycardia, severe muscle rigidity particularly chest wall (avoid both by using slow IV push) Respiratory depression, seizures, hypotension, reduces gut motility, urinary retention. Tolerance may develop if used >2-5 days
COMMENTS:	Effects can be reversed by Naloxone (10 microgram/kg)
REFERENCES:	Neofax 2013 Paediatric Pharmacopoeia 13 th Ed Royal Children's Hospital Melbourne
DATE:	August 2013