



NEONATAL MEDICATION PROTOCOLS

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

DRUG:	AMIKACIN
PRESENTATION:	Vial: 500mg/2mL
ACTION & INDICATION:	Semi-synthetic aminoglycoside for treatment of serious infection due to susceptible strains of gram negative bacilli
DOSE:	Corrected gestational age: < 30 weeks 7.5 mg/kg/dose 24 hourly 30-36 weeks 10 mg/kg/dose 24 hourly Term: 1st week of life 15 mg/kg/dose 24 hourly 2nd week of life onwards 22.5mg/kg/dose 24 hourly
PREPARATION:	Use solution prepared in Pharmacy if available. Diluent: Water for Injections, Glucose 5%, sodium chloride 0.9% Draw up contents of vial, make up to 50mL = 500mg in 50mL = 10mg/mL
ADMINISTRATION:	Intramuscular Intravenous: Infuse over 20 to 30 minutes
ADVERSE EFFECTS:	Hearing loss, reduced renal function, renal failure, vertigo, anaemia, arthralgia. Toxicity may be enhanced by concurrent administration of diuretic.
COMMENTS:	Discard vial immediately after use
DRUG LEVELS:	Trough: < 5mg/L Sample immediately prior to 4th dose and every 3 to 5 days thereafter Peak: Not required
REFERENCES:	Paediatric Pharmacopoeia 13 th Ed Royal Children's Hospital Melbourne
DATE:	August 2013