

NEONATAL MEDICATION PROTOCOLS

DRUG:	PIPERACILLIN-TAZOBACTAM (Tazocin[®], Tazopip[®])			
PRESENTATION:	Each vial contains Piperacillin 4g Tazobactam 500mg			
ALERTS & RESTRICTIONS:	<u>Antimicrobial Restriction: Category B ORANGE Monitored</u>			
ACTION & INDICATION:	Combination of a penicillin (piperacillin) and a beta lactamase inhibitor (tazobactam). <ul style="list-style-type: none"> • Intra-abdominal infection • Hospital-acquired pneumonia Not suitable for treatment of CNS infections due to limited penetration.			
DOSE:	Dose expressed as piperacillin component.			
	Corrected Gestational Age	Postnatal Age	Dose	
	<30 weeks	≤28 days	100mg/kg/dose	12 hourly
		>28 days	100mg/kg/dose	8 hourly
	30-36 weeks	≤14 days	100mg/kg/dose	12 hourly
		>14 days	100mg/kg/dose	8 hourly
>36 weeks	≤7 days	100mg/kg/dose	12 hourly	
	>7 days	100mg/kg/dose	8 hourly	
PREPARATION:	IV: Use solution prepared by Pharmacy if available. If premade solution is not available, use the following process to prepare a 100mg/mL solution. Diluent: Water for Injections Intravenous: Add 37mL of diluent to a 4g vial = 100mg/mL			
ADMINISTRATION:	IV Infusion: Infuse over 30 minutes.			
ADVERSE EFFECTS:	Hypersensitivity reactions, eosinophilia, hyperbilirubinaemia, elevated LFTs, elevated serum creatinine, hypotension, vomiting, diarrhoea, thrombophlebitis.			
COMMENTS:	Dosage adjustment may be required in cases of renal impairment. IV Aminoglycosides are inactivated by IV Penicillins and Cephalosporins. If both are prescribed, flush the line well with Sodium Chloride 0.9% before and after giving each medication. Each 1gram of piperacillin contains 2.35mmol (54mg) of sodium.			
REFERENCES:	Neofax 2014 BNF for Children 2014 Paediatric Dosage Handbook 17 th ed. SHPA Injectable Drugs Handbook 6 th ed.			