DOXAPRAM This drug must be guardrailed

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Tor Los Drug 1mL (20mg Note the mainter medical loading Double	0.9Saline or	Standard Continu	ous infusion	
1mL (20mg Note th mainter medica loading		Standard Dilution: For Loading Dose and Standard Continuous infusion		
Note the mainter medical loading	5% Dextrose	Final Volume	Concentration	
mainter medica loading	19mL)	20mL	1mg/mL	
	Note that the loading dose may followed by either oral or iv maintenance and as such is always charted separately on the medication chart. Use 1mg/mL as the concentration for the loading dose Double Strength Dilution: For a Continuous infusion if fluid restricted			
Drug	0.9Saline or 5% Dextrose	Final Volume	Concentration	
2mL (40mg	18mL)	20mL	2mg/mL	
IV Infu	volume requi sion: 0.3mg/kg/hr ose: 6mg/kg/dose	ove into the 20ml voired on the Alaris pour to a max of 1.5 after iv load		
Soft Ale	•	12mg/kg/dose 6 home mg/mL Max – mg/mL Max – mg/mL Max: 5 r Default Setting: 0	mg/kg/hr	

Interval	IV: Continuous infusion (preferred for stabilisation)
	Oral: 6 hourly
Administration	IV: Continuous infusion
Compatible with	0.9% sodium chloride, 5% and 10% dextrose
	Y-site : adrenaline, caffeine citrate, calcium chloride, calcium gluconate, cefazolin, ceftazidime, dopamine, erythromycin,heparin, insulin, metronidazole, phenobarbital, potassium chloride, ranitidine, salbutamol, vancomycin
Incompatible With	Alkaline solutions - barbiturates, benzylpenicillin, clindamycin, digoxin, dobutamine, furosemide, sodium bicarbonate. No information available re compatibility with TPN or lipid –use a separate line.
Monitoring	Monitor blood pressure
Stability	Unopened ampoules - see manufacturers expiry. Discard unused portion of the ampoule immediately after use Single vial use Continuous infusions must be changed after 24 hours
Storage	Unopened ampoules should be stored at room temperature.
	If an ampoule is used in the Neonatal unit for oral administration draw up the entire contents into a syringe and discard after 24hrs. Request a 7 day supply from pharmacy – simplifies administration and reduces cost of using the ampoules.
Adverse Reactions	Side effects are dose related and can include tachycardia, hypertension , hypertension, hyperpyrexia and laryngospasm. Oral doses may cause gastrointestinal disturbances. High doses can cause convulsions.
Metabolism	Extensively metabolised in the liver, very little drug in urine. Half life in neonates = 6-12 hours.
References	 Acta Paediatrica 1998(87);1180-1184 Am J Perinatology 1991 8:2; 110-3 NZHPA Notes on Injectable Drugs 5thedition Trissell Handbook on Injectable drugs 11th edition Neonatal Formulary Hammersmith Hospital NHS Trust 7th edition 2000 Taketomo et al Pediatric Dosage Handbook 16th edition 2010 Romeo MG et al Oral administration of doxapram in preterm neonates with aminophylline-resistant idiopathic apnea crisis. Pediatr Med Chir. 1995 Mar-Apr,17(2):123-6. www.micromedexsolutions.com
Updated By	Dr Di Gray A Lynn, B Robertshawe A Lynn, B Robertshawe A Lynn, B Robertshawe A Lynn A Lynn A Lynn May 2012 (re-order profile) A Lynn May 2013 (drop soft min g'rail to limit alarms) N Austin, M Wallenstein, B Robertshawe May 2019 (oral dosing info) A Lynn, M Wallenstein, B Robertshawe December 2020 (Compatibility review) A Lynn, B Robertshawe (review dilution instructions after a medication event)