Alert	Intravenous paracetamol should be considered a high-risk medicine when administered to infants				
	and young children.				
	Use of paracetamol should always be preceded by a comprehensive risk assessment and reviewed every 24 hours. Safety data for paracetamol in extreme preterm infants (< 28 weeks) is limited. It should be used				
	with caution, particularly in the treatmer	nt of patent ductus arteriosu	JS.		
Indication	Analgesia				
	Antipyretic				
	Adjunct to post-operative analgesia				
	Treatment of patent ductus arteriosus (PDA)				
Action	Centrally acting analgesic and antipyretic with minimal anti-inflammatory properties. The				
	mechanism of action of paracetamol in reducing pain is not completely defined. Potential				
	mechanisms include inhibition of central prostaglandin synthesis and inhibition of the cyclooxygenase (COX) isoenzyme, particularly the COX-2 isoform.				
Drug Type	Non-narcotic analgesic and antipyretic.				
Trade Name	Intravenous: Paracetamol Actavis; Paracetamol ACT; Paracetamol BNM; Paracetamol IV Pfizer;				
I ade Name	Paracetamol Kabi; Paracetamol ACT; Paracetamol BNW; Paracetamol N Phzer				
	Oral: Dymadon, Febridol, Panadol (Childr				
Presentation	IV: 500 mg/50 ml (10 mg/ml) vial				
resentation	Oral: 100 mg/mL drops				
Dosage/Interval	Analgesia/Antipyretic/Adjunct to post-operative analgesia				
Doodge, meer van	Oral/Intravenous/Rectal ¹⁻³ :	<u>_</u>			
	Weight*	Loading	Maintenance		
	<2.0 kg	15 mg/kg	7.5 mg/kg every 6 hours		
	2.0 – 3.0 kg	15 mg/kg	10 mg/kg every 6 hours		
	>3.0 kg	20 mg/kg	10 mg/kg every 6 hours		
	*Current/best weight				
	Patent Ductus Arteriosus (treatment course 3-7 days with 48-hourly monitoring of liver function)				
	Oral/Intravenous ⁵⁻⁹ :		1		
	Criteria	Loading	Maintenance		
	≥28 weeks CGA/PMA and ≥1000 g*	15 mg/kg	15 mg/kg every 6 hours		
	<pre><28 weeks and/or <1000 g*</pre>	15 mg/kg	7.5 mg/kg every 6 hours**		
		*Current/best weight			
	**Higher maintenance doses (15 mg/kg) in extremely premature infants have been used but there is limited safety data.				
Maximum daily daga	60 mg/kg/day				
Maximum daily dose					
Route	IV, oral, rectal				
Preparation/Dilution	Intravenous: Use undiluted. Can be diluted to 2 mg/ml for use in ELBW infants using sodium				
	chloride 0.9% or glucose 5%. If diluted, th	ne solution should be used i	mmediately.		
Administration	Intravenous:				
	Administer over 15 minutes via syringe driver.				
	Oral:				
	Can be given with or without feeds. Shake bottle well before measuring dose. Rectal:				
	Dilute oral mixture 1:1 with water for rectal doses. Low dose suppositories are not commercially				
available but can be prepared by selected pharmacy departments. Do not cut supposit make part rectal dose					
Monitoring	make part rectal dose. Monitor hepatic and renal function. If signs of acute liver injury (example, raised ALT >50 IU/L) – refer to acetylcysteine formulary and contact Poisons Information Centre (13 11 26 for New South Wales) or local toxicology service.				
wontoning					
Contraindications	Hypersensitivity to paracetamol, active liver disease.				
	Hepatic impairment, renal impairment, sepsis, dehydration				
Precautions					

Paracetamol

Newborn use only

Drug Interactions	Paracetamol absorption is increased by substances that increase gastric emptying.	
	Paracetamol absorption is decreased by substances that decrease gastric emptying.	
	Paracetamol may increase chloramphenicol concentrations.	
	The risk of paracetamol toxicity may be increased in patients receiving other potentially	
	hepatotoxic drugs or drugs that induce liver microsomal enzymes such as anticonvulsant agents.	
Adverse Reactions	Vomiting, fever, rash, neutropenia, leucopoenia, thrombocytopenia. May cause liver toxicity at high plasma concentrations.	
Compatibility	Sodium chloride 0.9%, glucose 5%	
Incompatibility	Do not mix with any other intravenous fluids or medications.	
Stability	Vials should be used immediately after opening. Any unused solution should be discarded. After	
	dilution in 0.9% sodium chloride or 5% glucose do not store for more than 1 hour (infusion time	
	included).	
Storage	IV: Do not store above 30°C. Do not refrigerate or freeze.	
	Oral: Store below 25°C.	
Special Comments	Preterm infants may be at increased risk of paracetamol toxicity. Review indications if IV	
-	paracetamol is needed for more than 48 hours.	
	Antidote of choice for overdose is acetylcysteine IV infusion.	
	Rectal bioavailability is variable depending on the formulation used. Oral or intravenous routes	
	are preferred.	
Evidence summary	Refer to full version.	
References	Refer to full version.	

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