Indometacin (Indomethacin)

Newborn use only

2020

Alert	From April 2016	the international smalling	for Indomethacin has been o	shanged to Indometasin	
	•		, for indomethacin has been o	thanged to indometatin.	
Indication	Closure of patent ductus arteriosus (PDA)				
Action	Prevention of severe intra-ventricular haemorrhage.				
Action	Prostaglandin inhibitor. Prostaglandins are important in maintaining ductal patency in utero. Non storoidal anti-inflammatory drug (NSAID)				
Drug type		Non-steroidal anti-inflammatory drug (NSAID).			
Trade name	Indocid PDA, Indomethacin Agila				
Presentation	1 mg powder for reconstitution.				
Dose	IV Single daily dose as follows:				
			Day 2	Day 2	
	Post-natal Age ≤ 48 hours	Day 1 0.2 mg/kg/dose	Day 2 0.1 mg/kg/dose	Day 3 0.1 mg/kg/dose	
	> 48 hours	0.2 mg/kg/dose	0.2 mg/kg/dose	0.2 mg/kg/dose	
Dose adjustment	7 40 110013	0.2 mg/ kg/ dosc	0.2 mg/ kg/ dose	0.2 mg/ kg/ dosc	
Therapeutic hypothermia	Not applicable				
ECMO	Insufficient data to suggest dose adjustments.				
Renal impairment	Refer to contraindications section.				
Hepatic impairment	Insufficient data to suggest dose adjustments.				
Maximum dose	0.2 mg/kg				
Total cumulative dose	0.6 mg/kg				
Route	IV				
Preparation	Add 1 mL of WFI to the 1 mg powder for reconstitution. Then draw up 1 mL (1 mg) and add 9 mL				
- F		WFI to make a final volume of 10 mL with a concentration of 0.1 mg/mL.			
Administration	IV: Over 20–30 minutes.				
	Inspect visually fo	or particulate matter and	discolouration prior to admir	nistration.	
Monitoring	Monitor urine output, cardiovascular status, serum biochemistry, renal function and for signs of				
	bleeding.				
Contraindications	Serious infection, active bleeding, thrombocytopenia or coagulopathy, necrotising enterocolitis				
	(NEC) or intestinal perforation, significant renal dysfunction, ductal dependent congenital heart				
		onary hypertension.			
Precautions	Indomethacin is associated with transient renal impairment. Late and prolonged treatment of the				
Drug interactions	ductus arteriosus with indomethacin may increase the incidence of NEC.				
Drug interactions	Aminoglycosides: Dose may need to be modified if indomethacin affects renal function.				
	Digoxin: Reduces indomethacin volume of distribution – increased dose may be required. Diuretics: Use of frusemide in combination with indomethacin may increase the incidence of renal				
	impairment.				
	Systemic corticosteroids: Intestinal perforation has been described in infants treated with early				
	dexamethasone a	dexamethasone and indomethacin.			
Adverse reactions	Prophylactic indo	methacin is associated w	ith oliguria/anuria.		
			domethacin and prolonged of	courses of indomethacin are	
	associated with NEC.				
	1	perforation and possibly b	oleeding.		
A	Extravasation.				
Compatibility		loride 0.9%, water for inj		.1	
	-	· · · · ·	eftazidime, clindamycin, dexa	=	
		<u>-</u>	hydrocortisone, benzylpenic	ilin, potassium chioride,	
Incompatibility	sodium bicarbona				
Incompatibility	Fluids: Glucose 7.		mikacin, atracurium, aztreona	am hanztronina	
	buprenorphine, calcium chloride, calcium gluconate, chlorpromazine, dobutamine, dopamine, erythromycin, esmolol, gentamicin, glycopyrrolate, haloperidol lactate, hydralazine, labetalol,				
	magnesium sulfate, metaraminol, midazolam, morphine sulfate, noradrenaline, ondansetron,				
	pentamidine, pethidine, phenylephrine, promethazine, protamine, suxamethonium, tobramycin,				
	1 -	pressin, verapamil.		,,,,	
Stability			s stable for 6 hours at room to	emperature.	
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Storage	Store unopened vials at room temperature (20–25°C)		
Excipients			
Special comments			
Evidence	Refer to full version.		
Practice points			
References	Refer to full version.		

VERSION/NUMBER	DATE
Original	29/09/2015
Revised 1.2	25/12/2016
Current 1.3	20/07/2020
REVIEW (5 years)	20/07/2025

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ANMF consensus group Drug name Page 2 of 2