cefOTAXIME

Newborn use only

Alert	High risk medicine. The Antimicrobial Stewardship Team recommends this drug is listed under the					
	following category: Restricted.					
Indication	As part of therapy for suspected meningitis.					
	Trea	Treatment of proven meningitis and sepsis caused by susceptible organisms (e.g., E.coli, H.				
	influ	influenzae, Klebsiella spp.).				
Action	Bac	Bactericidal agent which inhibits cell wall synthesis in susceptible bacteria.				
	Bro	Broad spectrum against gram positive and many gram negative organisms but not <i>Pseudomonas</i>				
During the sec	species.					
Drug type	Cep	Cepnaiosporin antibiotic.				
Trade name	Cerc	Cerotaxime Sandoz, DBL Cerotaxime Sodium				
Presentation	500	500 mg and 1 g vial				
Dose	50 r	50 mg/kg/dose.				
		Corrected Gestational Age/Postmenstrual Age	Postnatal Age	Interval		
		< 30 ⁺⁰ weeks	0–28 days	12 hourly		
		$< 30^{+0}$ weeks	>29 days	8 hourly		
		$30^{+0}-36^{+6}$ weeks	0–14 days	12 hourly		
		30^{+0} -36 ⁺⁶ weeks	>15 days	8 hourly		
		\geq 37 ⁺⁰ weeks	0–7 davs	8 hourly		
		≥ 37 ⁺⁰ weeks	≥8 days	6 hourly		
Dose adjustment				· ·		
Maximum dose						
Total cumulative dose						
Route	IV					
	IM					
Preparation	IV					
	Add	Add 9.8 mL of water for injection to the 500 mg powder to make a 50 mg/mL solution OR				
	Add	Add 9.6 mL of water for injection to the 1 g powder to make a 100 mg/mL solution.				
	IM injection					
	Add 2 mL of water for injection to the 500 mg powder to make a 230 mg/mL solution OR					
Administration	Aud 5 mL or water for injection to the 1 g powder to make a 300 mg/mL solution.					
Auministration	IV infusion: over 15-30 minutes					
	IN injection: Inject deep into the large muscle					
Monitoring	Cefe	Cefotaxime has a high therapeutic index				
5 6 6	Con	sider monitoring renal function, blood count and elect	rolytes if therapy is p	prolonged.		
Contraindications	Нур	Hypersensitivity to cefotaxime or other cephalosporins or previous history of major allergic response				
	to a	penicillin.				
Precautions	Live	r and renal disease.				
	Sod	ium restriction – cefotaxime contains 48.2 mg/g (2.1 m	mol/g) sodium.			
Drug interactions	May	potentiate the renal toxicity of nephrotoxic drugs.				
	Sho	uld not be combined with bacteriostatic antibiotics (e.g	g., tetracycline, eryth	nromycin or		
	chlc	ramphenicol) since there may be a potential antagonis	tic effect.			
Adverse reactions	Leu	copaenia, granulocytopaenia, agranulocytosis.				
	IVI00	derate and transient rise in liver enzymes and/or biliruc	DIN.			
	Нур	ersensitivity reactions.	N/administration th	rough a control		
		aus catheter		nough a central		
	Fun					
	Bac	terial resistance.				
Compatibility	Flui	ds: Glucose 5%, glucose 10%. Hartmann's. sodium chlor	ride 0.9%			
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	Y site: Amino acid solutions, aciclovir, amifostine, aztreonam, bivalirudin, dexmedetomidine, granisetron, hydromorphone, magnesium sulfate, midazolam, morphine sulfate, pethidine, remifentanil, tigecycline.		
Incompatibility	Fluids: Alkaline solutions e.g., containing sodium bicarbonate.		
	Y site: Aminoglycosides – amikacin, gentamicin, tobramycin; azathioprine, azithromycin, caspofungin, chloramphenicol, chlorpromazine, dobutamine, dolasetron, filgrastim, fluconazole, ganciclovir, haloperidol lactate, hydralazine, labetalol, methylprednisolone sodium succinate, mycophenolate mofetil, pentamidine, phenobarbitone, phentolamine, promethazine, protamine, sodium bicarbonate, vecuronium.		
Stability	Reconstituted solution is stable for 24 hours at 2 to 8 °C. Protect from light.		
	Do not use if powder or solutions have darkened in colour.		
Storage	Store below 25°C		
	Protect from light.		
Excipients			
Special comments	The main metabolite of cefotaxime is desacetylcefotaxime. This metabolite is active and is thought to enhance activity against Gram negative organisms. It has a longer half-life than cefotaxime. The major route of clearance of both cefotaxime and desacetylcefotaxime is renal.		
Evidence	Refer to full version.		
Practice points			
References	Refer to full version.		

VERSION/NUMBER	DATE
Original 1.1	08/08/2015
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