Piperacillin - Tazobactam

Newborn use only

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Cause Enter Susce resist first-li Action β-lact encor many inhibi inhibi Drug type Antib Trade name Pipera Presentation A.5 g *Cons *Cons *Cons *Cons *Cons *Cons #Cons *Cons *C	d by susce obtacteral	eptible Gram positive ar es and <i>Pseudomonas</i> sport coagulase-negative star should be considered respected CONS sepsis.(2) tamase inhibitor combined from positive and Grampositive and cell wall synthesis and cell wall synthesis enhances the antibiotic specification and beta-like to bactam Kabi, Tazocin piperacillin and 0.5 g tazo piperacillin component frected Gestational e/Postmenstrual Age 0 ⁺⁰ weeks 6 ⁻⁰ 35 ⁺⁶ weeks 6 ⁺⁰ weeks*	nd Gram negative bactors. (p.(1) aphylococci (CONS) is gesistant and piperacillination with a broad spennegative aerobic bactors. (a) Piperacillin composition of susceptible bacteria exceptible bacteria exceptible bacteria exceptible bacteria exceptible. (b) Dise Dose 100 mg/kg/dose 80 mg/kg/dose 80 mg/kg/dose 80 mg/kg/dose 80 mg/kg/dose 80 mg/kg/dose 100 mg/kg/dose 80 mg/kg/dose 100 mg/kg/dose 80 mg/kg/dose 100 mg/kg/dose 80 mg/kg/dose 100 mg/kg	eria including anaero generally not tested in-tazobactam should ectrum of antibactero teria and anaerobic ponent is a semi synoment is a beomore. Tazobactam is a beomore. Tazobactam is a beomore. Tazopip Interval Se 8 hourly 6 hourly	though oxacillind not be used as rial activity bacteria, including atheric penicillin tha	
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Maximum dose Total cumulative dose Route IV Preparation Add 1 equiv FURT Draw final v Administration Monitoring Comp	nautic hy	/pothermia – Evidence i		•		
Maximum dose Total cumulative dose Route IV Preparation Add 1 equiv FURTI Draw final v Administration IV info Monitoring Comp	shown poor PK target attainment for the directed therapy of <i>Pseudomonas aeruginosa</i> . Seek infectious diseases consultant advice(5, 6) Renal impairment – Use with caution. Concurrent use with vancomycin has been suggested to be associated with an increased incidence of acute kidney injury in adults and children but unclear in neonates. (7-11) Hepatic impairment – No dose adjustment is required.					
dose Route IV Preparation Add 1 equiv FURT Draw final v Administration IV info Monitoring Comp days).						
Preparation Add 1 equiv FURT Draw final v Administration IV info Monitoring Comp days).						
equiv FURT Draw final v Administration IV info Monitoring Comp days).						
Administration IV info Monitoring Comp days).	Add 17 mL water for injection to the 4.5 g vial to make a concentration of 200 mg/mL of piperacillin equivalent solution. FURTHER DILUTE Draw up 2 mL (400 mg of piperacillin equivalent) and add 8 mL of sodium chloride 0.9% to make a final volume of 10 mL with a final concentration of 40 mg/mL of piperacillin equivalent.					
Monitoring Comp days).	IV infusion over 30 minutes. (3)					
Contraindications Hypot	Complete blood count, electrolytes, renal and hepatic function during prolonged treatment (> 10 days).					
Contramulcations Hyper		y to any of the penicillin	ıs and/or cephalosporii	ns or beta-lactamase	e inhibitors.	
		apy increases risk of leu atraemia (owing to sodi			enia. High doses may	
	sensitivit	lead to hypernatraemia (owing to sodium content of preparations) (12) May potentially:				
• Er • Af	sensitivit nged ther o hyperna	y:	 Enhance the nephrotoxic effect of vancomycin. Affect the blood coagulation system when given with high doses of heparin and oral anticoagulants. 			

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	Increase the prolongation of the neuromuscular blockade of vecuronium.	
Adverse	Generally well tolerated.	
reactions	Hypersensitivity reactions can occur.	
	Rash (maculopapular), phlebitis, thrombophlebitis.	
	Diarrhoea, nausea, vomiting, stomatitis and pseudomembranous colitis (Clostridium difficile).	
	Black tongue, fever, anaphylactic shock, angioedema, bronchospasm.	
	Leucopenia, thrombocytopenia, anaemia.	
	Elevated transaminases.	
	Renal impairment.	
	Hypokalaemia, hypernatraemia, metabolic alkalosis.	
	Candidiasis.	
	High doses may lead to hypernatraemia (owing to sodium content of preparations)	
	Uncommon - Hypotension.	
Compatibility	Fluids: Sodium chloride 0.9%, glucose 5%, glucose 10%	
	Y-site: EDTA-free brands only (NOT Tazocin EF): Amino acid solutions, aminophylline, anidulafungin,	
	aztreonam, bivalirudin, buprenorphine, calcium folinate, calcium gluconate monohydrate,	
	clindamycin, dexamethasone, dexmedetomidine, dopamine, fluconazole, furosemide (frusemide),	
	granisetron, heparin sodium, hydrocortisone sodium succinate, hydromorphone, linezolid,	
	magnesium sulfate heptahydrate, methylprednisolone sodium succinate, metoclopramide,	
	metronidazole, morphine sulfate pentahydrate, pethidine, potassium chloride, ranitidine,	
	remifentanil, tigecycline, trimethoprim + sulfamethoxazole, zidovudine.	
	V site. Tazasin FF anhu Na information quallahla	
Incompatibility	Y-site: Tazocin EF only: No information available.	
Incompatibility	Fluids: Albumin, blood products, Hartmann's and alkaline solutions. (AIDH)	
	Y site: Aciclovir, albumin, amikacin, amiodarone, azithromycin, caspofungin, chlorpromazine,	
	ciprofloxacin, dobutamine, droperidol, ganciclovir, gentamicin, glycopyrronium bromide	
	(glycopyrrolate), haloperidol lactate, hydralazine, insulin (short-acting), labetalol, midazolam,	
	mycophenolate mofetil, pentamidine isetionate, promethazine, rocuronium, sodium bicarbonate,	
	thiopentone, tobramycin, tranexamic acid, vecuronium, verapamil.	
Stability	Reconstituted solution is stable for 24 hours below 25°C or at 2–8°C. Immediate use is	
	recommended.	
Storage	Store vial below 25°C	
Excipients	PiperTaz Sandoz, PipTaz AFT and Tazopip are EDTA-free. Contain 2.35 mmol of sodium for each 1 g of	
	piperacillin.	
	PipTaz AFT also contains sodium bicarbonate.	
	Tazocin EF also contains citric acid monohydrate and disodium edetate (EDTA). Contains 2.84 mmol of	
	sodium for each 1 g of piperacillin.	
Special	Doses here are expressed as the piperacillin component.	
comments		
Evidence	Refer to full version.	
Practice points	Refer to full version.	
References	Refer to full version.	

VERSION/NUMBER	DATE
Original 1.0	05/12/2015
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