## **FLUCONAZOLE**

Fluconazole –Claris infusion (AFT)				
Diflucan S	Suspension (Pfize	er)		
Triazole antifungal agent				
Inhibits cytochrome P450 in susceptible fungi leading to reduced cell membrane permeability.				
Indication 1: Fungal prophylaxis  Infants <28 weeks  Infants 28-32 weeks and colonised with yeast  Prolonged antibiotic courses >7 days  Postnatal steroids  Surgical infants with long term central access  Oral Nystatin is the preferred fungal prophylaxis  If NBM use fluconazole iv and change to oral nystatin ASAP				
Hypersensitivity to fluconazole.  Caution in use with other meds that affect QT interval				
*N Oral: Dr	<b>lo further dilutio</b> y powder for reco	n required	oral suspension	
Indication 1: Fungal prophylaxis maintenance dose 3mg/kg iv change to nystatin when can give orally  Indication 2: Mucosal infection (includes ETT colonisation) loading dose 6mg/kg, maintenance 3mg/kg/dose  Isolated Candiduria loading dose12mg/kg, maintenance 6mg/kg/dose  Suspected Candidaemia (includes pneumonia) loading dose 12mg/kg, maintenance 6mg/kg/dose (increase to 12mg/kg/dose if blood culture positive)  Confirmed Candidaemia (includes deep infection or meningitis) loading dose 12mg/kg, maintenance12mg/kg/dose				
	Diflucan S Triazole a Inhibits cycell memilian Indicatio  Oral Nys If NBM us Indicatio  Hypersen Caution in IV: Cla *N Oral: Dry * The Bottle 350mg Indicatio	Diflucan Suspension (Pfize Triazole antifungal agent Inhibits cytochrome P450 is cell membrane permeability Indication 1: Fungal proportion of the Infants 28 of Infants 29 of Infants 2	Triazole antifungal agent  Inhibits cytochrome P450 in susceptible funcell membrane permeability.  Indication 1: Fungal prophylaxis	

Interval	Day	Interval (hourly)				
	<14	72				
	14-28	48				
	>28	24				
Administration		Oral – good absorption, can be given with feeds IV – infuse over 30 minutes.				
Compatible With	Dextrose 5 or 10%, sodium chloride 0.9%, lactated ringers					
	Y- site compatibility  Acyclovir, amikacin, aminophylline, amiodarone, aztreonam, benzylpenicillin, caspofungin, cefazolin, cefepime, cefoxitin, cimetidine, dexamethasone, dobutamine, dopamine, famotidine, ganciclovir, gentamicin, heparin, hydrocortisone, intravenous immune globulin (human), linezolid, lorazepam, meropenem, metoclopramide, metronidazole, midazolam, morphine, nitroglycerin, oxacillin, pancuronium, phenytoin, piperacillin/tazobactam, potassium chloride, propofol, ranitidine, remifentanil, sodium bicarbonate (4.2%), ticarcillin/clavulanate, tobramycin, TPN, vancomycin, vecuronium, and zidovudine.					
Incompatible With	Amphotericin B, ampicillin, calcium gluconate, cefotaxime, ceftazidime, ceftriaxone, chloramphenicol, clindamycin, digoxin, erythromycin lactobionate, furosemide, imipenem, lipid, piperacillin, ticarcillin, and trimethoprim/sulfamethoxazole					
Interactions	Potential increased risk of QT prolongation with other medicines that also affect QT e.g. cisapride and erythromycin					
		metabolism and incl dazolam phenobarbit	rease levels of caffeine, tone and phenytoin.			
Monitoring	Assess renal function, AST, ALT, CBC for eosinophilia					
Stability	<ul><li>IV: Single use only. Do not use IV solution if cloudy.</li><li>Oral: Discard unused portion after 14 days.</li></ul>					
Storage	Room temperature less than 30°C. Do not refrigerate					
Adverse Reactions	Increase in transaminases in 12% of children.  Hypokalaemia, increased cholesterol and lipids, hepatotoxicity, pruritis, rash including exfoliative skin reaction, nausea, vomiting, abdominal pain, diarrhoea, headache.					
Metabolism	Mostly excreted unchanged in the urine - increase dose interval in renal impairment. T1/2 50-90 hrs decreases with increasing age					
Comments	interfere with met	•	rbitone and phenytoin. May minophylline, midazolam.			
		5.4 mmol/ 100mL.	σσημέσιο αυσοιρίιση			

References	<ol> <li>Trissell handbook on Injectable Drugs 10<sup>th</sup> Edition.</li> <li>NZHPA Notes on Injectable Drugs 5<sup>th</sup> Edition.</li> <li>Neofax 1998 11th ed.</li> <li>Waikato drug manual</li> <li>BNF for Children 2009</li> <li>Fluconazole prophylaxis in the NICU. Healy CM. Pediatric Infectious Disease Journal, January 2009</li> <li>www.micomedexsolutions.com</li> <li>https://www.seslhd.health.nsw.gov.au/sites/default/files/migration/RHW/Newborn_Care/Guidelines/Medication/2015/flucon15.pdf</li> </ol>		
Updated By	P Schmidt, B Robertshawe October 2004 A Lynn, N Austin Feb 2009 A Lynn, B Robertshawe September 2009, Nov 2010 A Lynn, B Robertshawe June 2012 (re-order profile) A Lynn, B Robertshawe July 2020 M Wallenstein, A Lynn, B Robertshawe September 2020 (update admin & compatibilities)		