

Drug Dosages

Pediatrics

Categories of drugs

1. Symptomatic & supplements
2. Antimicrobials
3. Emergency medication

Drug	Indication	Dosage					Comments
Ondansetron	Nausea, vomit	0.1 - 0.15 mg/kg/dose, TID					Atleast 30min Before feeds
Phenylephrine	Nasal/sinus decongestion, Hypotension, Ocular procedures	<5yr: 2.5mg TID	6-11yr: 5mg TID		>12yr: 10mg TID		Nasal drops< 3days to prevent rebound congestion
Paracetamol	Axillary Temp > 99°F, Pain	<1yr: 10mg/kg/dose Q6hrs Max: 60mg/kg/day		>1yr: 15mg/kg/dose Q6hrs Max: 75mg/kg/day		Oral/ Rectal suppository	
Ambroxol	Productive cough	<6mo: 3mg TID	6-12mo: 7.5mg TID	1-6yr: 10mg TID	6-12yr: 30mg TID	>12yr: 40mg TID	
Amoxicillin	Infections of ENT, LRT, skin & skin structures	Neonate: 30mg/kg/day in 2 div.doses, PO			Child: 50mg/kg/day in 2 div.doses, PO 90mg/kg/day (AOM/CAP/Sinusitis)		Max: 2-3g/day
Azithromycin	Pertussis, Campylobacter, Chlamydia, Mycoplasma, drug resistant enteric fever	10mg/kg/day OD PO For 5 days			Enteric fever: 20mg/kg/day PO for 7 days		

Drug	Indication	Dosage			Comments
Cefixime	Gram negative infections, UTI, diarrhea, Enteric fever	Child: 8mg/kg/day in 2 div.doses Enteric: 20mg/kg/day in 2 div.doses, for 14 days	Adolescent/ Adult: 200mg BD PO		
Metronidazole & Ofloxacin	Amoebiasis, Giardiasis, H.pylori. Diarrhea, UTI, Enteric fever	Ofloxacin: 10-15mg/kg/day in 2 div.doses PO Max: 400mg/dose PO			
Artemether+Lumefantrine	Falciparum malaria-uncomplicated	Art: 2mg/kg/dose; Lum: 12mg/kg/dose BD PO for 3 days			
Primaquine	Anti-gametocyte in F.malaria Prevents relapse in P.vivax & ovale	P.Vivax & ovale: 0.5mg/kg/day for 14days Max: 30mg/day	Falciparum malaria: 0.25mg/kg single dose on day1. 7.5mg (1-4yr); 15mg (5-8yr); 30mg (9-14yr); 45mg (>15yr)	Can cause hemolytic anemia in G6PD deficiency	
Bactrim (Cotrimoxazole)	UTI, Bacillary dysentery, Otitis media, Skin & soft tissue infections in >2mo	Mild-moderate: 10mg/kg/day in 2 div.doses	Mod-severe: 20mg/kg/day in 3 div.doses	C/I: pregnancy, lactation, <2mo infants Adv effects: SJS, TEN, QT prolongation, arrhythmia	

IV Drug	Indication	Dosage			Comments
Ceftriaxone	Septicaemia, Meningitis, Enteric fever, Pneumonia, Otitis media, Pyelonephritis	75mg/kg/day IV in 2 div.doses for 7-14 days		Meningitis: 100mg/kg/day in 2 div.doses for 14 days	Give a test dose before giving IV (preferably by infusion)
Gentamicin	Gram negative infections, skin & eye infections	<8days: 2.5mg/kg BD IV/IM	8days-2mo: 2.5mg/kg TID IV/IM	>2mo: 7.5mg/kg/day OD IV/IM	Adv effects: Nephrotoxicity, Ototoxicity
Artesunate (+5% NaHCO3)	Malaria	<20kg: 3mg/kg/day IM/IV		>20kg: 2.4mg/kg/day IM/IV	At 0,12,24hrs f/b OD until child can take orally
IV/IM/IN Midazolam	Epilepsy, Anxiety, Sedation for procedures	0.1mg/kg bolus f/b 1mcg/kg/min, increasing by 1mcg/kg/min Q 15min until seizures stop			Max: 5mcg/kg/min

THANK

you