

# Common Drugs in Paediatrics

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**RISH**ACADEMY

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Name of the Drug	Adrenaline	
Dose	Normal Dose	(u = micrograms ) Acute hypotension ( IV) <18y = 100 ng/kg/min (initially) 1.5 ug/kg/min (max) 2. Acute anaphylaxis 1 in 1000 (1mg/ml) solution <6y = 150 ug (0.15 ml) 6 - 12y = 300 ug (0.3 ml) >12y = 500 ug (0.5 ml)
	Renal Dose	
	Hepatic Dose	
Contraindications	Hypotension, Coronary heart disease, Arrhythmia, Hemorrhagic shock	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Nausea, Vomiting, Anorexic, Dry mouth, Hypersalivation	
Renal	Metabolic acidosis, Difficult in micturition, Urinary retention	
Liver		
Blood	Hyperglycemia, Hypokalemia	
Skin	tissue necrosis at injection site	
CNS	Anxiety Tremor ,, Restlessness , Headache , Insomnia , Confusion, Weakness , Dizziness, Psychosis	
CVS	Arrhythmias, Palpitation, MI, Tachycardia, Angina, HTN	
Respiratory	Cold, Extremities, Pallor, Dyspnea	

Name of the Drug	Ascorbic acid(Vitamin c)	
Dose	Normal Dose	scurvy-By mouth Child 1 month–4 years 125–250mg daily in 1–2 divided doses Child 4–12 years 250–500mg daily in 1–2 divided doses Child 12–18 years 500 mg–1g daily in 1–2 divided doses Adjunct to desferrioxamine-By mouth Child 1 month–18 years 100–200mg daily 1 hour before food Metabolic disorders (Neonate 50–200mg daily, adjusted as necessary Child 1 month–18 years 200–400mg daily in 1–2 divided doses
	Renal Dose	
	Hepatic Dose	
Contraindications	hyperoxaluria & hypersensitivity reactions	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Nausea, vomiting, diarrhoea	
Renal	Hyperoxaluria	
Liver		
Blood		
Skin		
CNS	Faintness, dizziness, headache, fatigue	
CVS	Flushing	
Respiratory		

<b>Name of the Drug</b>	<b>Azythromycin</b>	
<b>Dose</b>	Normal Dose	6M to 11Y – 12mg/kg once daily 12Y to 17Y – 500mg daily
	Maximum dose	6M to 11Y – 500m per dose
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	Not licensed for typhoid fever, Lyme disease, prophylaxis of Type A Streptococcal infection or chronic Pseudomonas aerogenosa infection in Cystic fbrosis	
<b>Caution</b>	Liver	
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	Anorexia, Dyspnea	
<b>Renal</b>		
<b>Liver</b>		
<b>Blood</b>		
<b>Skin</b>		
<b>CNS</b>	Disturbances in vision and taste Headache, dizziness Reversible hearing loss in long term therapy	
<b>CVS</b>		
<b>Respiratory</b>		

<b>Name of the Drug</b>	<b>Carbamazepine</b>	
<b>Dose</b>	Normal Dose	Prophylaxis of bipolar disorder/trigeminal neuralgia/Focal and generalized tonic-clonic seizures 1 month – 11 years-> <ul style="list-style-type: none"> <li>•initially -5mg/kg once daily at night</li> <li>•alternatively-2.5mg/kg twice daily</li> <li>•increase-2.5-5mg/kg every 3-7days</li> </ul>
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	<ul style="list-style-type: none"> <li>•acute prophyrias</li> <li>•AV conduction abnormality(unless paced)</li> <li>•history of bone marrow depression.</li> </ul>	
<b>Caution</b>	Liver	•should withdraw immediately if aggravated liver dysfunction or acute liver disease.
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	Dry mouth ,nausea, vomiting	
<b>Renal</b>		
<b>Liver</b>		
<b>Blood</b>	aplastic anemia, blood disorders ,eosinophilia, hyponatremia, leukopenia, Thrombocytopenia	
<b>Skin</b>	Allergic skin reaction, dermatitis, urticaria	
<b>CNS</b>	Dizziness, drowsiness, Headache, ataxia, fatigue, unsteadiness	
<b>CVS</b>		
<b>Respiratory</b>		

Name of the Drug	Cefixime	
Dose	Normal Dose	6-11 months – 75mg/day 1-4 years – 100mg/day 5-9 years – 200mg/day 10-11 years – 200-400mg/day
	Renal Dose	
	Hepatic Dose	
Contraindications		
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT		
Renal		
Liver		
Blood		
Skin		
CNS		
CVS		
Respiratory		

Name of the Drug	Cefotaxime	
Dose	Normal Dose	<u>IM,IV</u> Neonate, age less than 7 days :25mg/kg/12hrs Neonate 7-12 days :25mg/kg/3hrs Neonate 21-28 days :25mg/kg/6hrs Child 1M -18yrs:50mg/kg/12hrs <u>Maximum dose</u> Child 1M-18yrs :12g daily
	Renal Dose	Usual initial dose. Then use half normal dose if eGFR is less than 5ml/min/1.73m <sup>2</sup>
	Hepatic Dose	
Contraindications	Cephalosprin hypersensitivity	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Diarrhea, nausea, vomiting, abdominal discomfort	
Renal	Reversible interstitial nephritis	
Liver	Disturbances in liver enzymes, transient hepatitis, Cholestatic jaundice	
Blood	Thrombocytopenia, Eosinophilia, leucopenia, agranulocytosis, anemia	
Skin	Rashes, toxic epidermal necrolysis	
CNS	Headache, hyperactivity, hallucinations, confusions,	
CVS	Arrhythmias	
Respiratory		

Name of the Drug	Ceftriaxone	
Dose	Normal Dose	By intravenous infusion over 60 minutes Neonate under 15 days 20–50mg/kg daily; doses at higher end of recommended range used in severe cases Neonate over 15 days 50–80mg/kg daily; doses at higher end of recommended range used in severe cases
	Hepatic Dose	if hepatic impairment is accompanied by severe renal impairment, reduce dose and monitor plasma concentration
Contraindications	premature neonates less than 41 weeks corrected gestational age; full-term neonates with jaundice,	
Caution	Liver	neonates; may displace bilirubin from serum albumin, administer over 60 minutes in neonates
	Spleen	
<b>Common side effects</b>		
GIT	stomatitis, glossitis	
Renal	calcium ceftriaxone precipitates in urine, haematuria, glycosuria, oliguria	
Liver		
Blood	prolongation of prothrombin time	
Skin	toxic epidermal necrolysis	
CNS	convulsion, vertigo	
CVS		
Respiratory	bronchospasm	
Pancreas	Pancreatitis	



<b>Name of the Drug</b>	<b>Cetirizine hydrochloride</b>	
<b>Dose</b>	Normal Dose	By mouth Child 1–2 years 250 micrograms/kg twice daily Child 2–6 years 2.5 mg twice daily Child 6–12 years 5 mg twice daily Child 12–18 years 10 mg once daily
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	Avoid in acute porphyrias	
<b>Caution</b>	Liver	
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	gastro intestinal disturbances	
<b>Renal</b>	urinary retention	
<b>Liver</b>		
<b>Blood</b>		
<b>Skin</b>		
<b>CNS</b>	antimuscurinic effects, blurred vision, dry mouth , headache , psychomotor impairment	
<b>CVS</b>		
<b>Respiratory</b>		

<b>Name of the Drug</b>	<b>Chlorphenamine</b>	
<b>Dose</b>	Normal Dose	Oral -: 1-23 months - 1mg 2-5 years - 1mg 6-11 years - 2mg 12-17 years - 4mg  Maximum dose -: Oral - 2-5 years - 6mg 6-11 years - 12mg 12-17 years - 24mg
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	Accute porphyrias Hepatic impairment	
<b>Caution</b>	Liver	
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	Dry mouth Gastrointestinal disturbance	
<b>Renal</b>	Urinary retention	
<b>Liver</b>		
<b>Blood</b>		
<b>Skin</b>		
<b>CNS</b>	Drowsiness , Headache, Psychomotor impairment, Blurred vision, Extrapyrasidal effects, Confusion, Depression, Sleep disturbance	
<b>CVS</b>	Hypotension, Palpitations, Arrhythmia	
<b>Respiratory</b>		

Name of the Drug	Clotrimazole	
Dose	Normal Dose	Fungal skin infections Apply 2-3 times a daily Vaginal candidiasis Vaginal cream (5g for 1 dose) Pressaries (200mg for 3 nights/500mg for 1 night) Recurrent vulvovaginal candidiasis Pressaries (500mg every 1 week for 6 months)
	Renal Dose	
	Hepatic Dose	
Contraindications		
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT		
Renal		
Liver		
Blood		
Skin	Local irritation, hypersensitivity reactions include mild burning sensation, erythema, itching	
CNS		
CVS		
Respiratory		

<b>Name of the Drug</b>	<b>Co amoxiclav</b>	
<b>Dose</b>	Normal Dose	Oral:12_17years 250/125mg/8hr Iv injection Intravenous infusion Neonate: 30mg/kg every 12 hours.
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	Jaundice,hepatic dysfunction	
<b>Caution</b>	Liver	Acute lymphatic leukemia,cholestatic jaundice
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	Nausea,vomiting	
<b>Renal</b>		
<b>Liver</b>	Cholesteric jaundice,hepatitis	
<b>Blood</b>	Prolong bleeding time,vasculitis	
<b>Skin</b>	Exfoliative dermatitis,steven Johnson syndrome,toxic epidermal neurolysis,phebitis at injection site,rash	
<b>CNS</b>	Dizziness,headache	
<b>CVS</b>		
<b>Respiratory</b>		

Name of the Drug	Dexamethasone	
Dose	Normal Dose	(u = micrograms ) 1. Physiological replacement 1m - 18y = 250-500 ug /m2 (Every 12h) 2. Inflammatory and allergic Oral 1m - 18y = 10-100 ug/kg (daily) {max = 300 ug/kg} IM/IV 1m - 18 y = 83 - 333 ug/kg (daily) {max - 20 mg}
	Renal Dose	
	Hepatic Dose	
Contraindications	Adrenal suppression, Increase susceptibility to infection, Psychiatric reaction	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Dyspepsia, Abdominal distension , Acute pancreatitis Oesophageal ulceration & candidiasis	
Renal	sodium and water retention, K & Ca loss	
Liver		
Blood	HTN, Diabetes	
Skin		
CNS	psychological dependence ,Insomnia, Increase ICP, Aggravation of epilepsy	
CVS		
Respiratory		

Name of the Drug	<b>Diclofenac sodium</b>	
Dose	Normal Dose	Inflammation and mild to moderate pain By mouth or by rectum Child 6 months–18 years 0.3–1 mg/kg (max. 50 mg) 3 times daily  Postoperative pain By rectum Child 6 months–18 years Body-weight 8–12 kg 12.5 mg twice daily for max. 4 days Body-weight over 12 kg 1mg/kg (max. 50mg) 3 times daily for max. 4 days
Contraindications	Active gasro intestinal bleeding/ ulceration , avoid injections containing benzyl alcohol in neonates, ischemic heart disease -mild to moderate heart failure ,peripheral arterial disease	
Caution	Liver	coagulation defect , incresased risk of gastro intestinal bleedings and fluid retention
	Spleen	
Common side effects		
GIT	pancreatitis	
Renal	intestinal fibrosis associated with NSAID can lead to renal failure ,papillary necrosis associated with NSAIDs can lead to renal failure	
Liver	hepatic damage	
Blood		
Skin		
CNS	visual disturbances	
CVS		
Respiratory	alveolitis, aseptic meningitis	

Name of the Drug	Domperidone	
Dose	Normal Dose	By mouth Child over 1 month and body-weight up to 35kg 250 micrograms/kg up to 3 times daily; max. 750 micrograms/kg daily Child over 12 years and body-weight 35kg and over 10mg up to 3 times daily, max. 30mg daily
	Renal Dose	reduce frequency
	Hepatic Dose	avoid in moderate or severe impairment
Contraindications	prolactinoma; gastro-intestinal haemorrhage, mechanical obstruction or perforation; cardiac disease; predisposition to cardiac conduction disorders;	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Dry mouth, less commonly diarrhoea,	
Renal	Urinary retention	
Liver	Gynacomastia	
Blood	Drowsiness, malaise	
Skin	Rash, pruritus	
CNS	Anxiety, headache, agitation, nervousness, convulsions, extra pyramidal diseases, oculogyric crisis	
CVS	QT interval prolongation, ventricular arrhythmias, sudden cardiac death	
Respiratory		

<b>Name of the Drug</b>	<b>Dulcolax (sodium picosulphate)</b>	
<b>Dose</b>	Normal Dose	1 month- 3 years - 2.5-10mg once daily 4 - 17 years - 2.5-20mg once daily
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	Intestinal obstruction Undiagnosed abdominal pain	
<b>Caution</b>	Liver	
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	abdominal cramp, nausea, vomiting, diarrhoea	
<b>Renal</b>		
<b>Liver</b>		
<b>Blood</b>	hypokalemia	
<b>Skin</b>	pruritus, rash	
<b>CNS</b>	syncope	
<b>CVS</b>	angioedema	
<b>Respiratory</b>		



<b>Name of the Drug</b>	<b>Erythromycin</b>	
<b>Dose</b>	<b>Normal Dose</b>	Neonate - 12.5mg/kg every 6 hrs Children 1m - 1yr - 125mg /kg 4 times per day 2 - 7 yrs - 250mg 4 times per day 8 - 17 yrs - 250 - 500 mg 4 times per day The maximum dose is 1g
	<b>Renal Dose</b>	Reduce dose in severe renal impairment
	<b>Hepatic Dose</b>	
<b>Contraindications</b>	<b>Avoid in acute porphyrias in neonate under 2 weeks</b>	
<b>Caution</b>	<b>Liver</b>	May cause idiosyncratic hepatotoxicity
	<b>Spleen</b>	
<b>Common side effects</b>		
<b>GIT</b>	Abdominal cramps Vomiting Diarrhea	
<b>Renal</b>		
<b>Liver</b>	Liver problems	
<b>Blood</b>		
<b>Skin</b>		
<b>CNS</b>	Prolonged QT	
<b>Respiratory</b>		

Name of the Drug	Famotidine	
Dose	Normal Dose	Benign gastric and duodenal ulceration- 40mg noct.  Reflux oesophagitis- 20-40mg bd
	Renal Dose	Half of normal dose
	Hepatic Dose	
Contraindications	Child not recommended	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	constipation, dry mouth, nausea, vomiting	
Renal		
Liver		
Blood		
Skin		
CNS	anorexia, seizures, paraesthesia	
CVS	fatigue, chest tightness	
Respiratory	interstitial pneumonia	

Name of the Drug	Flucloxacillin	
Dose	Normal Dose	1month - 2years: 62.5-125mg 4 times 2-10 years: 125-250mg 4times
	Renal Dose	Use normal dose every 8 hrs if estimated glomerular filtration rate less than 10ml/minute/1.73m <sup>2</sup>
	Hepatic Dose	Should be used with caution
Contraindications	Hepatic dysfunction associated with hepatic impairment.	
Caution	Liver	Should be used with caution in patients with hepatic impairment.
	Spleen	
<b>Common side effects</b>		
GIT	Diarrhea	
Renal	Accumulation of electrolytes in renal failure	
Liver	Rarely hepatitis and cholestatic jaundice.	
Blood	Anaphylaxis	
Skin	Urticaria, rash	
CNS	Encephalopathy, cerebral irritations	
CVS		
Respiratory		

<b>Name of the Drug</b>	<b>Furosemide (Frusemide)</b>	
<b>Dose</b>	Normal Dose	Child 1 month- 11yrs ; 0.5-2mg/kg ; 2-3 times/day
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>		
<b>Caution</b>	Liver	Hepatorenal syndrome Hypoproteinaemia
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>		
<b>Renal</b>		
<b>Liver</b>	Intrahepatic cholestasis	
<b>Blood</b>		
<b>Skin</b>		
<b>CNS</b>		
<b>CVS</b>		
<b>Respiratory</b>		

Name of the Drug	Gentamicin	
Dose	Normal Dose	child 1 month - 18 years initially 7 mg /kg once daily dose intravenous infusion multiple daily dose by intramuscular or slow intravenous injection over at least 3 minutes child 1 month - 12 years 2.5 mg/ kg every 8 hours child 12- 18 years 2 mg / kg every 8 hours
	Renal Dose	
	Hepatic Dose	high dose children over 1 month age creatinine clearance less than 20 ml/ minute / 1.73m <sup>2</sup>
Contraindications	Pregnancy, patient with myasthenia gravis, renal failure	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	nausea ,vomiting,antibiotic associated colitis,electrolyte imbalance,hypomagnesaemia,hypocalcemia	
Renal	nephrotoxicity	
Liver		
Blood		
Skin	rash	
CNS	headache,encephalopathy,peripheral neuropathy,convulsion,vestibular and auditory damage	
CVS		
Respiratory		

Name of the Drug	Hydrocortisone	
Dose	Normal Dose	Congenital adrenal hyperplasia Oral Neonate 9–15mg/m <sup>2</sup> in 3 divided doses, adjusted according to response Child 1 month–18 years 9–15mg/m <sup>2</sup> in 3 divided doses Child 1 month–12 years initially 2–4mg/kg by slow IV or infusion then 2–4mg/kg every 6 hours Child 12–18 years 100mg every 6 to 8 hours by slow IV or infusion Severe or life-threatening acute asthma
	Renal Dose	Reduce dose in impairment
	Hepatic Dose	Reduce dose in impairment
Contraindications	adrenal insufficiency, hypotension, insomnia, irritability, mood lability, suicidal thoughts,	
Caution	Liver	reduce dose in hepatic impairment
	Spleen	
<b>Common side effects</b>		
GIT	local irritation(rectal), dyspepsia, abdominal distension, polyphagia, GI perforation	
Renal	Renal failure	
Blood	Hypokalemia, hypocalcemia	
Skin	Local irritation	
CNS	Paraesthesia, headach,vertigo	
CVS	Hypertension, congestive heart failure	
Respiratory		

<b>Name of the Drug</b>	<b>Ibuprofen</b>		
<b>Dose</b>	Normal Dose	1-2 months	5mg/kg
		3-11 months	50mg
		1-3 years	100mg
		4-6 years	150mg
		7-9 years	200mg
		10-17 years	300mg
	Maximum dose 3 months - 11 years 30mg/kg/day		
<b>Contraindications</b>	IV use in neonates, Active bleeding coagulation effects GI ulceration, Necrotising enterocolitis History of GI perforation, Life threatening infection Marked unconjugated hyperbilirubaemia pulmonary hypertension, Thrombocytopaenia		
<b>Caution</b>	Liver	Coagulation defects	
	Spleen		
<b>Common side effects</b>			
<b>GIT</b>	Intestinal perforation, GI haemorrhage, Intestinal fibrosis		
<b>Renal</b>	Fluid retention, Haematuria, Renal failure		
<b>Liver</b>	Hepatic damage		
<b>Blood</b>	Neutropenia, Thrombocytophenia		
<b>Skin</b>	Stevens Johnson syndrome, Toxic epidermal necrolysis		
<b>CNS</b>	Ischemic brain injury, Visual disturbance		
<b>CVS</b>	Intraventricular haemorrhage		
<b>Respiratory</b>	Broncopulmonary dysplasia Pulmonary haemorrhage, Alveolitis, Pulmonary eosinophilia, Exacerbation of asthma		

Name of the Drug	Ipratoprium	
Dose	Normal Dose	Reversible airway obstruction 1month - 5 yrs » 20micrograms 3 times per day 6 - 11 yrs » 20-40 micrograms 3 times per day 12 - 17 yrs »20-49 micrograms 3 -4 times per day Acute bronchospasm (nebulize) 1 month -5 yrs »125-250 micrograms 6-11yrs » 250 micrograms 12-17 yrs »500 micrograms
	Renal Dose	
	Hepatic Dose	
Contraindications		
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Nausea	
Renal		
Liver		
Blood		
Skin		
CNS	Headache, Palpitations	
CVS	Epistaxis	
Respiratory	Nasal dryness and irritation, Pharyngitis, Bronchospasm	



Name of the Drug	Ketotifen	
Dose	Normal Dose	1mg twice daily
	Renal Dose	
	Hepatic Dose	
Contraindications	Avoid in muscle porphyrias	
Caution	Liver	Avoid in severe liver disease
	Spleen	
<b>Common side effects</b>		
GIT		
Renal		
Liver		
Blood	Drowsiness	
Skin		
CNS	Irritability, Nervousness	
CVS		
Respiratory		

Name of the Drug	Lactulose	
Dose	Normal Dose	under 1 year : 2.5ml twice daily 1-5 years :2.5-10ml twice daily 5-18 years :5-20ml twice daily
	Renal Dose	
	Hepatic Dose	
Contraindications	Allergy Galactosemia	
Caution	Liver	Diabetes mellitus
	Spleen	
<b>Common side effects</b>		
GIT	Abdominal bloating,cramps,diarrhoea	
Renal		
Liver		
Blood	Hypokalaemia,hypernatremia	
Skin		
CNS		
CVS		
Respiratory		

Name of the Drug	Levetiracetam	
Dose	Normal Dose	Monotherapy Child 16-17 years: 250mg once daily Adjunctive therapy Mouth Child (1-5 months) initially 7mg/kg (BW 50kg) Child (6mnth -17 years) initially 10mg/kg Child (12- 17 years) BW 50kg and above initially 250mg  By intravenous infusion Child 4-17 years: initially 10mg Child 12-17 years: initially 250mg
	Renal Dose	
	Hepatic Dose	
Contraindications	With oral use not to use in children under 6 years	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Abdominal pain , anorexia, book, vomiting, diarrhoea	
Liver	Hepatic failure	
Blood	Thrombocytopenia	
Skin	Rash	
CNS	Anxiety, dizziness, ataxia, headache convulsion, insomnia, depression, vertigo	
CVS	-	
Respiratory	Cough, nausea	

Name of the Drug	Meropenem	
Dose	Normal Dose	Lower respiratory tract infection in cystic fibrosis: 1 month – 11 years <ul style="list-style-type: none"> <li>•under 50kg-40mg/kg 8 hourly</li> <li>•above 50kg-2g 8 hourly</li> </ul> Meningitis: 1 month – 11 years <ul style="list-style-type: none"> <li>•under 50kg-40mg/kg 8 hourly</li> <li>•above50kg-2g 8 hourly</li> </ul>
	Renal Dose	<ul style="list-style-type: none"> <li>•GFR=26-50ml/min/1.73m &gt;Normal dose 12 hourly</li> <li>•GFR=10-15ml/min/1.73m&gt;half normal dose 12 hourly</li> <li>•GFR=10ml/min/1.73m &gt;half normal dose 24 hourly</li> </ul>
	Hepatic Dose	
Contraindications		
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Abdominal pain,diarrhoea ,nausea, vomiting	
Renal		
Liver	Disturbance in liver function test	
Blood	Thrombocythaemia	
Skin	Pruiritic rash	
CNS	Headache	
CVS		
Respiratory		

Name of the Drug	Methyprednisolone	
Dose	Normal Dose	0.5 – 1.7 mg/Kg daily in 2 – 4 divided doses.
	Renal Dose	
	Hepatic Dose	
Contraindications		
Caution	Liver	(cvs)-with Iv use, rapid Iv administration of large doses associated with cardiovascular collapse.
	Spleen	--
<b>Common side effects</b>		
GIT	Dyspepsis, Acute pancreatitis, Esophageal ulcerations, Abdominal distention	
Renal	Sodium & water retention Pottasium & Calcium loss.	
Liver		
Blood		
Skin		
CNS	Headache, Vertigo	
CVS	Hypertention	
Respiratory		

<b>Name of the Drug</b>	<b>Midazolam</b>	
<b>Dose</b>	Normal Dose	Neonate – 300µg/kg Child 1-2 months - 300µg/kg Child 23-11 months – 2.5mg Child 1-4 years – 5mg Child 10-11 months – 10mg
	Maximum Dose	Child 1-2 months – 2.5mg Max
	Renal Dose	
	Hepatic Dose	
<b>Contraindications</b>	CNS depression, Compromised airway, Severe respiratory depression	
<b>Caution</b>	Liver	May cause mild to moderate hepatic impairment
	Spleen	
<b>Common side effects</b>		
<b>GIT</b>	Dry mouth, Increased appetite	
<b>Renal</b>		
<b>Liver</b>	Jaundice	
<b>Blood</b>	Anaphylaxis, Blood disorders	
<b>Skin</b>	Skin rashes	
<b>CNS</b>	Convulsions, euphoria, hallucinations, headache	
<b>CVS</b>	Cardiac arrest	
<b>Respiratory</b>	Respiratory arrest, respiratory depression, laryngospasm	

Name of the Drug	Nadine hydrochloride	
Dose	Normal Dose	Oral: for allergic rhinitis 6_11years:30mg twice daily 12_17 years: 120mg once daily Oral:for chronic idiopathic urticaria 12_17 years: 180mg once daily
	Renal Dose	
	Hepatic Dose	
Contraindications	Epilepsy	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Dry mouth,gastro intestinal disturbances	
Renal	Urinary retension	
Liver	Liver dysfunction	
Blood	Angioedema,blood disorders	
Skin	Rashes	
CNS	Antimuscarinic effect,blurred vision,headache,psychomotor impairment,confusion,convulsion,depression,dizziness, Extrapulmonary effect,tremors	
CVS	Arrhythmias,hypotension,palpitation	
Respiratory	Anaphylaxis,bronchospasm,hypersensitivity reactions	

Name of the Drug	Nifedipine	
Dose	Normal Dose	1month - 18 years Initially 500 nanograms / kg / min  Maximum dose 5 micrograms / kg / min
	Renal Dose	
	Hepatic Dose	
Contraindications	Cardiogenic shock, Aortic stenosis, Breast feeding	
Caution	Liver	Portal hypertension Hepatic impairment
	Spleen	
Common side effects		
GIT	GI disturbance, Dysphagia, Intestinal obstruction , Intestinal ulcer	
Renal	Polyuria,, Dysuria, Nocturia	
Liver	Jaundice	
Blood	Epistaxis	
Skin	Pruritis, Urticaria, Gum hyperplasia, Purpura	
CNS	Headache, Dizziness, Lethargy, Syncope, Anxiety, Sleep disturbance, Vertigo, Migraine, Paraesthesia, Visual disturbance, Mood disturbance	
CVS	Oedema, Vasodialation, Palpitations, Tachycardia, Hypotension	
Respiratory	Nasal congestion, Dyspnoea	



Name of the Drug	Omeprazole	
Dose	Normal Dose	neonate 700 micrograms / kg once daily, increased if necessary after 7- 14 days to 1.4 mg / kg child 1 month - 2 years 700 micrograms / kg ( max .20 mg) once daily child body weight 10- 20 kg 10 mg once daily increased if necessary to 20 mg once daily
	Renal Dose	
	Hepatic Dose	no more than 700 micrograms/ kg ( max .20 mg) once daily
Contraindications	when used with other drug cause to hypomagnesaemia or with digoxin	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	nausea, vomiting abdominal pain flatulence, diarrhoea, constipation	
Renal	intestinal nephritis, hypomagnesaemia, hyponatraemia	
Liver	hepatic impairment, hepatitis, jaundice	
Blood	leucocytopenia, pancytopenia, thrombocytopenia, (after 1 year treatment sometime 3 months)	
Skin	rash and pruritis, toxic epidermal necrolysis	
CNS	headache, depression, hallucination, confusion, dizziness, photosensitivity	
CVS		
Respiratory	bronchospasm	

Name of the Drug	Ondesteron	
Dose	Normal Dose	For chemotherapy,radiotherapy induced nausea and vomiting First IV infusion over at 15 minutes- 5mg/m <sup>2</sup> or 0.15mg/kg (max-8mg) Then by mouth <0.6m <sup>2</sup> - 2mg/12hr 0.6-1.2m <sup>2</sup> - 4mg/12hr >1.2m <sup>2</sup> - 8mg/12hr Max-32mg/12hr
	Renal Dose	No adjustment
	Hepatic Dose	Reduce dose in moderate or severe impairment
Contraindications	Congenital long QT syndrome	
Caution	Liver	If there is a hepatic impairment
	Spleen	No
<b>Common side effects</b>		
GIT	Constipation, hiccups (uncommon)	
Renal	No	
Liver	No	
Blood	Hypotension (uncommon)	
Skin	Injection site reaction, flushing	
CNS	Headache,seizures (uncommon),movement diorders (uncommon),dizziness,transient visual disturbances (rare)	
CVS	Arrhythmias,bradycardia,chest pain	
Respiratory	No	

Name of the Drug	Paracetamol	
Dose	Normal Dose	Child 1-2 months ;30-60mg ; 8hrly
		Child 3-5 months ; 60mg ; 4-6hrly
		Child 2yrs- 3yrs ; 180mg ;4-6hrly Child 4yrs-5yrs ; 240mg ; 4-6hrly
	Renal Dose	Increase infusion dose interval to every 6hrs if estimated glomerular filtration rate less than 30ml/min./1.73m <sup>2</sup>
	Hepatic Dose	Dose related toxicity, avoid large doses
Contraindications		
Caution	Liver	Alcohol dependence; hepatocellular insufficiency .Chronic alcoholism ,Malnutrition
	Spleen	
<b>Common side effects</b>		
GIT		
Renal	Less frequently renal damage	
Liver	Liver damage	
Blood	Thrombocytopenia, Leucopenia , Neutropenia	
Skin	Steven's John syndrome	
CNS		
CVS	Hypotension , Flushing , Tachycardia	
Respiratory		

Name of the Drug	Phenobarbital	
Dose	Normal Dose	Neonate - initially 20mg/kg then by slow IV or by mouth - 2.5 - 5mg/kg once daily Children 1m - 11 yrs - initially 1-1.5mg/kg twice daily The maximum dose is 1g
	Renal Dose	
	Hepatic Dose	
Contraindications	Avoid in acute porphyrias in history of alcohol use in respiratory depression	
Caution	Liver	May precipitate coma
	Spleen	
<b>Common side effects</b>		
GIT	Cholestasis	
Renal		
Liver	Hepatitis	
Blood	Hypotension Megaloblastic anaemia Thrombocytopenia Agranulocytosis	
Skin	Allergic skin reaction	
CNS	Ataxia, Behavioral disturbances, Depression, Drowsiness Hallucinations. Impaired memory	
CVS	Lethargy	
Respiratory	Respiratory depression	

Name of the Drug	Phenytoin	
Dose	Normal Dose	Child 1month to 12 years: 1.5-2.5mg/kg twice daily  Child 12-18 years: 75-150mg/kg twice daily.
	Renal Dose	-
	Hepatic Dose	In hepatic impairment ,reduce the dose.
Contraindications	Intravenous injection may cause cardiovascular and CNS depression, arhythmias,hypotention and alteration of respiratory function.	
Caution	Liver	In hepatic impairment reduce the dose.
	Spleen	
<b>Common side effects</b>		
GIT	Nausea, vomiting, constipation	
Renal	Interstitial nephritis	
Liver	Rarely hepatotoxicity	
Blood	Megaloblastic anemia, leucopenia,thrombocytopenia	
Skin	Acne,hirsutism	
CNS	Drowsiness, insomnia,headache,dizziness	
CVS		
Respiratory		

Name of the Drug	Prazosin	
Dose	Normal Dose	By mouth Child 1 month–12 years 10–15 micrograms/kg 2–4 times daily (initial dose at bedtime) increased gradually to max. 500 micrograms/kg daily in divided doses (not exceeding 20 mg daily) Child 12–18 years 500 micrograms 2–3 times daily (initial dose at bedtime), increased after 3–7 days to 1 mg 2–3 times daily for a further 3–7 days; further increased gradually if necessary to max. 20&mg daily in divided doses
	Renal Dose	
	Hepatic Dose	
Contraindications	not recommended for congestive heart failure due to mechanical obstruction (e.g. aortic stenosis)	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT		
Renal	Urinary frequency	
Liver		
Blood		
Skin	Pruritus rash, sweating, urticaria	
CNS	blurred visio, depression, dizziness, drowsiness, headache , nervousness ,syncope, vertigo, eye disorders, insomnia, parasthesia, tinnitus	
CVS	palpitations , tachycardia	
Respiratory	dyspnea, nasal congestion , apistaxis	

Name of the Drug	Prednisolone	
Dose	Normal Dose	Autoimmune hepatitis 2mg/kg Corticosteroid replacement therapy 2-2.5mg/m <sup>2</sup> Idiopathic thrombocytopenic purpura 1-2mg/kg Nephrotic syndrome 60mg/m <sup>2</sup> Asthma 1-2mg/kg
	Renal Dose	Autoimmune hepatitis 40mg/daily Idiopathic thrombocytopenic purpura 4mg/kg Nephrotic syndrome 80mg/daily Asthma 40mg
	Hepatic Dose	
Contraindications	Adrenal suppression, Infection, Withdrawal of, corticosteroids, Psychiatric reaction	
Caution	Liver	Plasma drug concentration may be increased in children with hepatic impairment
	Spleen	
<b>Common side effects</b>		
GIT	Diabetes, oesophageal ulceration, Peptic ulceration candidiasis, Dyspepsia, Acute pancreatitis	
Renal	Sodium and water retention Potassium and calcium loss	
Skin	Petechiae ecchymoses skin atrophy	
CNS	Hypertension	
CVS	Cushing syndrome, psychiatric reaction Proximal myopathy, Increased ICP, Epilepsy	
Respiratory		

Name of the Drug	Salbutamol	
Dose	Normal Dose	Acute asthma <ul style="list-style-type: none"> <li>By nebulizer or aerosole</li> </ul> Under 3 years: give 1 puff every 15-30 seconds upto 10 puffs <ul style="list-style-type: none"> <li>By intravenous injection over 5 minutes</li> </ul> 1 month- 2 years :5micrograms/kg 2-18 years :15 micrograms/kg Chronic asthma - oral 3 -12 years :4mg twice daily 12-18 years : 8mg twice daily
	Renal Dose	
	Hepatic Dose	
Contraindications	Hypersensitivity reactions (rash,urticaria)	
Caution	Liver	Diabetes
	Spleen	
<b>Common side effects</b>		
GIT		
Renal		
Liver		
Blood		
Skin	Flushing of skin	
CNS	Tremors,anxiety,headache	
CVS	Tachycardia,arrhythmia,palpitation	
Respiratory		



Name of the Drug	Vancomycin	
Dose	Normal Dose	1m- 4y 5mg/kg. 4 times a day 5y-11y 62.5mg. 4 times a day 12-17. 125mg. 4 times a day Neonate 24m 15mg/kg every 24 hour 29week - 35 weeks. 15mg/kg Every 12 hour
	Renal Dose	
	Hepatic Dose	
Contraindications	Should not given by mouth for systemic infection	
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Nausea	
Renal	Interstitial nephritis, nephrotoxicity, renal failure	
Liver		
Blood	Blood disorders including neuroenia Thrombocytopenia (rare)	
Skin	Rashes	
CNS		
CVS	Pain and muscle spasm of back and chest Hypotension, shock	
Respiratory	Dyspnoea, wheezing	

Name of the Drug	Zinc sulphate	
Dose	Normal Dose	Neonate - 1mg/kg daily Body weight up to 10kg - 22.5mg daily 10-30kg - 22.5mg » 1-3 times >30kg - 45mg » 1-3 times
	Renal Dose	
	Hepatic Dose	
Contraindications		
Caution	Liver	
	Spleen	
<b>Common side effects</b>		
GIT	Abdominal pain,diarrhoea,dyspepsia,gastric irritation,gastritis,nausea,vomiting	
Renal	Accumulation may occur in acute renal failure	
Liver		
Blood		
Skin		
CNS	Headache,irritability,lethargy	
CVS		
Respiratory		