

Fluid Requirement		
Age	Requirement (ml/kg/day)	
Day 1	60	
Day 2	80	
Day 3	100	
Day 4	120	
Day 5	140	
Day 6	150	
9 month	150-160	
12 month	100-150	
2 years	100-120	
4 years	90-100	
8 years	70-90	
12 years	60-70	
Which parenteral fluid to give:		
Age	Fluid	Constituent
Day 1	10% DA	75 ml 5% DA + 25 ml 25% glucose, in each 100 ml.
Day 2 - Day 28	10% DBS	75 ml 5% BS + 25 ml 25% glucose in each 100ml
2 month - 6 years	5% BS	5% glucose + 0.225% Na
6 - 10 years	Libott's junior	5% glucose + 0.45% Na
From 11 years	Adult fluid	
Micro drops/min: 1 large drop = 4 micro drop 1 ml = 15 large drops = (15 x 4) micro drops = 60 micro drops		
4 micro drops/min	100 ml in 24 hours	100 ml in 24 hours
8 micro drops/min	200 ml in 24 hours	100 ml in 12 hours
12 micro drops/min	300 ml in 24 hours	100 ml in 8 hours
Neonatal convulsion এ 10% DA 2ml/kg stat dose এ দিতে হবে ।		

# Blood

Blood equivalent = 20 ml/kg

Transfusion of blood (4.2 ml x wt. in kg) = increase of Hb%  
1 gm/dl

Transfusion of 1 unit of plasma = 10% increase of platelet

Inj. Sedil  
Inj. Lasix  
Inj. Cotson

**Wt. in kg x 0.1  
ml/dose**

## Drugs:

1 TSF = 5 ml

All antibiotic contains

125 mg

Azithromycin

200 mg

Metronidazole

200 mg

Ciprofloxacin

250 mg

Cefixime

100 mg

Nalid

300 mg

## Antiviral:

Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Acyclovir	10 mg/kg/dose, 8hrly, I/V in 100 ml DA within 1 hr. or 20 mg/kg/dose, 5 times daily, for 5 days, orally			Inj. Zovirux(250mg/10ml), Tab. Virux (200 mg, 100mg), Syp. Virux (200 mg/ 5 ml) 1 TSF = 200 mg	

# Antibiotic:

Generic name	Dose			Strength	
	Neonate	Meningitis		Tab.	Inj.
Ampicillin	200 mg/kg/day 12 hourly 6 hourly if > 28 days	Neonate: 100 -200mg/kg/day - 12 hourly Children: 400mg/kg/day		Inj. Ampexin, Pen A, ampicillin, (500mg/5ml)	
Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Amoxicillin	Oral 50 mg/kg/day Injectable 50 – 70 mg/kg/day 8 hourly			Cap. 250 mg, 500 mg	Pediatric drop- 125mg/125ml Syp. 125Mg/5ml; 250mg/5ml
Amoxicillin + Clavulanic acid	50mg/kg/day 12 hourly, oral	20 – 50 mg/kg/day 8 – 12 hourly, oral		Tab. 375 mg, 625 mg	Inj. 600Mg, 1200 mg Syp: 125mg/5ml
Doxycycline	2 – 5 mg/kg/day -----12 – 24 hourly			Cap. Doxycap (100 mg)	
Flucloxacillin	12.5 – 25 mg/kg/dose 6 hourly, I/V or oral	50 – 100 mg/kg/day 6 hourly, I/V or Oral		Cap. 250 mg, 500 mg	Inj. Phylophen, Fluphen, Flux, Fluclo (250, 500 mg, 1gm) Syp. 125 mg/5ml
Cloxacillin	50 - 100 mg/kg/day ----- 6hourly			Cap. 500mg	Syp. 125 mg/5 ml
Gentamycin	wt. in kg X 5 mg/kg/day ,12 hourly 1 mg = 1 unit of 40 unit insulin syringe), e.g. If wt. is 3kg, then 3x5 = 15 mg/day required So, 7.5 mg required 12 hourly, 7.5 unit Gentin taken by 40 unit insulin syringe, given I/V, 12 hourly	5mg/kg/day, 8 hourly			Inj. 80 mg/2 ml
Amikacin	15mg/kg/day----- 12 hourly	15mg/kg/day, 8-12 hourly		Inj. 100mg/2ml, 500 mg/2ml	
Ceftriaxone	100 mg/kg/day, daily or BD 50 - 100 mg/kg/day in pneumonia			250mg/2.5ml, 500mg/5ml, 1gm/10ml, 2gm/20ml	

# Antibiotic:

Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Ceftazidime	100mg/kg/day, 12 hourly	150 mg/kg/day 8 hourly			250 mg/5 ml, 500 mg/5 ml
Cefotaxime	<7 days ---- 100 mg/kg/day >7 days ---- 150 mg/kg/day		200 mg/kg/day, 12 hourly		250 mg/2.5 ml, 500 mg/5 ml 1 gm/10 ml
Cefuroxime	100 mg/kg/day, 12 hourly, I/V or I/M	20 - 30 mg/kg/day, 8 hourly, oral	Child: 200 - 400 mg/kg/day, 12 hourly, I/V or I/M	Tab. 125mg, 250mg, 500mg	Inj. 250mg, 750 mg powder for suspension (125 mg/5 ml)
Clindamycin	8 - 16 mg/kg/day, 3 -4 divided doses, In severe cases, 16 - 25 mg/kg/day, in 3 - 4 divided doses			Clindacin	
Cefepime	50 mg/kg/day, 8 hourly				250 mg, 500mg, 1 gm
Cefixime	10 mg/kg/day, BD 20 mg/kg/day, BD In enteric fever			Cap. 200 mg, 400 mg	Syp. 30 ml, 40 ml, 50ml, (100 mg - 5 ml= 1 TSF)
Cephadrine	50 - 100 mg/kg/day, 6 - 12 hourly			Cap. 250 mg, 500 mg	Syp. 100ml, (125 mg = 5ml = 1 TSF)
Ciprofloxacin	15 - 30 mg/kg/day, 12 hourly			Tab. 250 mg, 500 mg	Syp. 60 ml (250 mg/5 ml), 1 TSF = 250 mg Inj. 200 mg/100ml/bottle
Azithromycin	6 month - 12: 10mg/kg/day, daily, for 3 -5 days. >12 years: 500 mg once daily, for 3 - 5 days			Tab. 250 mg, 500 mg	Syp. 200mg/5ml 1 TSF = 200 mg
Meropenem	0 - 3 month ---- not recommended 3 month - 12 years: 10 - 20 mg/kg/dose, 8 hourly Dilution: dilute with 10 - 20 ml of N/S or B/S, then give within half an hour, cannot be given with Metronidazole				500 mg, 1 gm
Imipenem	15 mg/kg/day, 6 hourly, I/V dilute with 100 ml N/S & give within half an hour, can't be given with gentamycin				
Erythromycin	10 - 50 mg/kg/day, 6 hourly			Tab. 250 mg, 500 mg	Syp, 125 mg/5ml
Nitazoxanide	1 - 4 years: 100mg, BD, for 3 days. 4 - 12 years: 200 mg, BD for 3 days. > 12 years: 500 mg, BD for 3 days.			Tab. 500 mg	Syp. (200mg/5ml) 1 TSF = 200 mg

# Antibiotic:

Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Metronidazole	Inj. 1.5 ml/kg/dose or 7.5 mg/kg/day, 8 hourly. Oral: 15 – 30 mg/kg/day, 8 hourly			Tab. 200 mg, 400 mg	500mg/100ml bottle Syp. 60 ml, 200 mg= 5ml = 1 TSF
Levofloxacin	10 – 20 mg/kg/day, once daily			Cap. 500Mg	
Cefpodoxime Proxetil	15 days – 6 months: 4 mg/kg/day, 12 hourly 6 months – 2 years: 40 mg/kg/day, 12 hourly 3 – 8 years: 80 mg/kg/day, 12 hourly > 9 years: 100 mg/kg/day, 12 hourly			Cap. 100 mg, 200 mg	Suspension 40 mg/5ml Pediatric drop: 20 mg/ml
Nalidixic acid	50 -55 mg/kg/day, 6 hourly			Tab. 500Mg	Syp. 300/5ml(1tsf)
Penicillin V	25 - 50 mg/kg/day, 6 hourly			Tab. 125 mg, 250 mg	Syp. 1 TSF = 125 mg
Penicillin G procaine	25000 - 50000 unit/kg/day				Pronapen 4 - 8 lac/vial
Penicillin G Benzathine	600000 - 1200000 unit, deep I/M, single dose				Benzapen 6 - 12 lac/vial
Clarithromycin	Oral: 7.5 - 15 mg/kg/day, 12 hourly I/V: 10 mg/kg/day, dilute with 10 ml N/S then give in 100 ml N/S drip slowly over 1 hour			Tab. 250 mg, 500 mg	Inj. 500mg/5ml Syp.
Chloramphenicol	25 mg/kg/day, 6 hourly	50 - 100 mg/kg/day, 6 hourly		Cap. 125 mg, 250 mg	Inj. Medophenicol (1 gm/ 10 mg)
Cefadroxil	30 mg/kg/day, 12 hourly			Cap. 500 mg	Syp, Pedi Drop 15 ml, 100 mg/ ml
Cefaclor	20 - 40 mg/kg/day, 8 - 12 hourly, 5 - 7 days			Cap. 250 mg, 500 mg	Syp, Pedi Drop 15 ml, 100 mg/ ml
Netilmicin	3 mg/kg/day, 12 hourly				
Neomycin	50 mg/kg/day, 6 hourly, oral	50 - 100 mg/kg/day, 6 -8 hourly, oral		Cap. 350 mg	
Nitrofurantoin	5 - 7 mg/kg/day, 6 hourly, oral			Tab. 100 mg	
Ofloxacin	15 - 20 mg/kg/day, 12 hourly, oral			Tab. 200 mg, 400 mg	
Pivmecillinam	50 mg/kg/day, 6hourly, I/V, I/M or oral			Tab. 200 mg, 400 mg	400 mg/vial
Tetracycline	25 - 50 mg/kg/day, 6 hourly, oral			Cap. 250 mg, 500 mg	

## Anti-fungal:

Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Nystatin	100000 unit/day, 6 hourly	Infant: 200000 unit/day, 6 hourly Child: 400000 unit/day, 6 hourly		5 lac unit/tab	1 lac unit/ 15 drops
Fluconazole	6 - 12 mg/kg/day, daily, oral			Cap. 50 mg, 150 mg	50 mg/TSF
Ketoconazole	3 - 5 mg/kg/day, daily, oral			Tab. 200 mg	100 mg/ TSF
Miconazole	Topical cream, apply twice daily			Micoral gel, fungidal 2% cream	
Griseofulvin	10 - 20 mg/kg/day, BD or daily, oral			Tab. 500 mg	

## Anti convulsants:

Anti convulsants:				
Generic name	Dose		Strength	
	Loading	Maintenance	Tab.	Inj.
Diazepam	P/R: 0.5mg/kg/dose I/V: 0.3 mg/kg/dose Oral: 0.2 - 0.3 mg/kg/dose		Tab. 5 mg	Inj. 10 mg/2ml
Phenobarbitone	10 - 20 mg/kg/dose	5 mg/kg/dose, 12 hourly	Tab. 20 mg, 60 mg	
	Inj. Barbit (200 mg/ml) + 9 ml DW = Barbit (200 mg/10ml), then I/V slowly			
Phenytoin	15 - 20 mg/kg, I/V, mixed with N/S	Neonate: 5 - 6 mg/kg/day, 12 - 24 hours, IV or oral Children: 10 mg/kg/day, 12 - 24 hours IV or oral	Tab. 100 mg	Syp
Carbamazepine	10 mg/kg/day, 12 hourly		Tab. 200 mg	1 TSF = 100 mg
Valproic acid/ Sodium valproate	10 - 15 mg/kg/day, 8 hourly		Tab. 200 mg	1 TSF = 200 mg
Clonazepam	0.01 mg - 0.03 mg/kg/day, 8 - 12 hourly, oral Increase by 0.5 mg/day for 3 - 5 days (maximum 0.3 mg/kg/day)		Tab. 0.5 mg, 2 mg	

## Anti-emetics:

Generic name	Dose	Strength	
		Tab.	Inj.
Domperidone	0.2 - 0.4 mg/kg/dose, 4 - 8 hourly (B/M)	Tab. 10 mg	Syp. 60 ml 5 mg/5 ml (1 TSF) 1 amp = 2 ml = 10 mg Pedi drop 15 mg (1 ml = 5 mg)
Prochlorperazine	0.4 mg/kg/day, 8 hourly, oral 0.1 - 0.15 mg/kg/day, I/M, 8 - 12 hourly	Tab. 5 mg	1 amp. 12.5 mg

Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Paracetamol	15 mg/kg/dose, 4 - 6 hourly			Tab. 500 mg	Susp. 1 TSF = 120 mg Pedi drop (80 mg/ 15 drops)
Naproxen	10 - 20 mg/kg/day, 8 - 12 hourly, oral. Under 5 years not recommended			Tab. 250 mg, 500 mg	Susp. 125 mg/5ml
Ibuprofen	5 - 10 mg/kg/dose, 6 - 8 hourly or half TSF 8 hourly			Tab. 200 mg 400 mg	Susp. 100 mg/TSF
Aspirin	30 - 60 mg/kg/day, 4 divided doses In JRA: 60 - 100 mg/kg/day, 4 divided doses RF 100 mg/kg/day 3 - 5 days Then 75 mg/kg/day Then tapering			Tab. 75 mg, 300 mg	
Mannitol	5 - 7.5 ml/kg/day within half hour				Inj.
Ranitidine	2 - 4 mg/kg/day, 12 hourly			Tab. 150 mg	Syp. 1 TSF = 75 mg, Inj. 50 mg/2 ml
Omeprazole	0.6 - 0.7 mg/kg/day, 12 - 24 hourly			Cap. 20 mg, 40 mg	
Digoxin	Children <2 years: 0.04 mg/kg/dose Children >2 years: 0.04 - 0.06 mg/kg/dose Preterm newborn: 0.02 mg/kg/dose Full-term newborn: 0.03 mg/kg/dose			Tab. 0.25 mg	Inj. 0.5 mg/2 ml
Zinc sulfate	2 - 3 mg/kg/day Wt. < 10 kg, < 6 month, 1/2 TSF, 12 hourly				1 TSF = 10 mg
Potassium chloride	4 - 8 mmol/kg/day, 8 hourly Wt. < 10 kg, < 6 month, 1/2 TSF, 12 hourly Wt. > 10 kg, > 6 month, 1 TSF, 12 hourly				1 TSF = 10 mmol
Mebendazole	100 mg, 12 hourly			Tab. 100 mg	1 TSF = 100 mg
Pyrental pamoate	10 mg/kg/day, single dose				200 mg/TSF

Albendazole	1 - 2 year, 200 mg/day 2 - 4 year, 400 mg/day		
Spironolactone			
Folic acid	0.2 mg/kg/day	Tab. 5mg	5 mg/TSF
Calcium gluconate	1 - 2 ml/kg/dose, I/V, repeat.....		Inj. 5ml/amp
Calcium salt	6 months: 400 mg/day 6 months - 1 year: 600 mg/day 1 year - 5 year: 800 mg/day		
Vitamin A	< 6 months: 1 cap, 6 months - 1 year 2 cap, > 1 year: 4 cap; xerophthalmia, Rx on D1, D2, D14		

Generic name	Dose			Strength	
	Neonate	Children	Meningitis	Tab.	Inj.
Iron	Prophylaxis: 1 - 2 mg/kg/day Deficiency: 3 - 6 mg/kg/day				
Vitamin B1	0.2 - 1 mg/kg/day, 12 hourly, oral or I/M			Tab. 100 mg	100 mg/ml/amp
Vitamin B2	2.5 - 10 mg/kg/day, 8 - 12 hourly			Tab. 5 mg	
Vitamin B6	Deficiency: 5 - 15 mg/kg/day, oral 3 - 5 weeks, then 2.5 mg/day, Drug induced neuritis: 1 mg/kg/day			Tab. 20 mg	
Vitamin D	3 - 6 lac unit, I/M, stat				Inj. 200000 IU
Vitamin C	100 - 300 mg/day			Tab. 250 mg	Syp. 100 mg/5 ml
Magnesium sulfate	0.3 ml/kg/dose, I/M, daily, for 3 days Then, if PEM, on next day, 0.1 ml/kg/day				
Ketotifen	6 month - 3years: 0.5 mg, 12 hourly > 3 years: 1 mg, 12 hourly			Tab. 1 mg	1 mg/TSF
Promethzine	0.5 - 1 mg/kg/dose, I/M or oral, single dose or 8 - 12 hourly			Tab. 10 mg, 25 mg	5 mg/TSF, 25 mg/amp
Loratadine	Weight < 30 kg, 5 mg/dose, daily Weight > 30 kg, 10 mg/dose, daily <2 year not recommended			Tab. 10 mg	5 mg/TSF
Lactulose	0.5 mg/kg/day, 12 hourly				1tsf = 5ml = 3.35 gm
Propranolol	0.5 - 1 mg/kg/day			Tab. 10 mg, 40 mg	
Atenolol	0.8 - 1.5 mg/kg/day			Tab. 25 mg, 50 mg, 100 mg	
Captopril	Neonate: 0.5 - 0.6 mg/kg/day, 8 hourly Children: 0.15 mg/kg/day, 8 hourly			Tab. 25 mg, 50 mg	
Enalapril	0.1 mg/kg/day, 12 - 24 hourly, can be increased to 0.4 mg/kg/day			Tab. 5 mg, 10 mg	
Nifedipine	0.25 - 0.5 mg/kg/dose			Tab. 10 mg	



<b>Approximate weight</b>	
New born	3.2 kg
2 months	4.5 kg
4 months	6.5 kg
8 months	8.5 kg
1 year	10 kg
2 years	13 kg
3 years	15 kg
5 years	18 kg
7 years	23 kg
10 years	30 kg
12 years	40 kg
14 years	45 kg
16 years	58 kg
Adult	65 kg