

## MIZORAM STATE ESSENTIAL MEDICINE LIST 2013

Medicines have been categorized as follows :

P,S and T denote essentially at Primary, Secondary and Tertiary levels respectively while U indicates essentiality at all the levels

### *Section-1 ANAESTHETIC*

#### *1.1 General anaesthetics and oxygen*

Medicines	Category	Route of Administration	Strengths
ether, anaesthetic	U	inhalation	
halothane	S,T	inhalation	
ketamine	U	Injection	50mg (as hydrochloride)/ml in 10 ml vial
nitrous oxide	S,T	inhalation(medical gas)	
oxygen	U	inhalation	
thiopental	U	powder for injection.	0.5g, 1.0 g(sodium salt) in ampoule
propofol	U	Injection	20ml vial/amp
isoflurane	S,T	inhalation	100ml/250ml
sevoflurane	T	inhalation	250ml

#### *1.2 Local anaesthetics*

Medicines	Category	Route of Administration	Strengths
bupivacaine	S,T	injection,	0.25%, 0.5%(hydrochloride) in vial injection for spinal anaesthesia, 0.5% (hydrochloride) in 4 ml ampoule to be mixed with 7.5% glucose solution
lignocaine	U	injection	1%, 2%(hydrochloride) in vial injection for spinal anaesthesia, 5% (hydrochloride) in 2ml ampoule to be mixed with 7.5% glucose solution topical forms, 2-4% (hydrochloride)
lignocaine + epinephrine (adrenaline)	S,T	injection	1%, 2% (hydrochloride)+epinephrine 1:200 000 in vial ; dental cartridge 2% (hydrochloride)+epinephrine 1:80 000
L.A. spray	T		15%

#### *1.3 Preoperative medication and sedation for short-term procedures*

Medicines	Category	Route of Administration	Strengths
atropine	U	injection,	

diazepam	U	injection,	
morphine	U	injection,	
promethazine	U	elixir or syrup	
glycopyrolate	T	injection,	1ml amp.
midazolam	U	injection,	syp 5ml vial.5ml

**Section-2 ANALGESICS, ANTIPYRETICS, NON-STEROIDAL ANTI-INFLAMMATORY MEDICINES (NSAIMs), MEDICINES USED TO TREAT GOUT AND DISEASE MODIFYING AGENTS IN RHEUMATOID DISORDERS (DMARDS)**

**2.1 Non-opioids and non-steroidal anti-inflammatory medicines (NSAIMs)**

Medicines	Category	Route of Administration	Strengths
acetylsalicylic acid	U	tablet	300mg
ibuprofen	U	tablet/Syrup	200mg; 400mg
paracetamol	U	tablet/Syrup	500mg; 125mg/dl * not recommendation for anti-inflammatory use due to lack of proven benefit to that effect
diclofenac	U	injection,	3ml amp/100ml vial
paracetamol	U	injection,	2ml amp/100 vial
diclofenac rectal suppository	U	suppository	12.5/25/100mg
naproxen	T	tablet	500mg
Lornoxicam	T	tablet	8mg
Aceclofenac	U	tablet	100mg
inj. novalgin	U	injection,	

**2.2 Opioid analgesics**

Medicines	Category	Route of Administration	Strengths
morphine	u	injection	10mg in 1ml ampoule (sulphate)
fentanyl	S,T	injection	2ml amp
pentazocine	S,T	injection	1ml amp., inj. 30mg
tramadol	S,T	injection	2ml amp
pethidine	S,T	injection	100mg

### 2.3 Medicines used to treat gout

Medicines	Category	Route of Administration	Strengths
allopurinol	S,T	tablet	100mg
febuxostat	T	tablet	40mg, 80mg

### 2.4 Disease modifying agents used in rheumatoid disorders (DMARDs)

Medicines	Category	Route of Administration	Strengths
chloroquine	U		150mg (as phosphate)
methotrexate	S,T	tablet	2.5mg (as sodium salt)
azathioprine	S,T	tablet	50mg
sulfasalazine	S,T	tablet	500mg
leflunomide	S,T	tablet	20mg

### Section - 3 ANTIALLERGICS AND MEDICINES USED IN ANAPHYLAXIS

Medicines	Category	Route of Administration	Strengths
pheniramine	U	tablet/injection	4mg (maleate) inj. 10mg (hydrogen maleate) in 1ml ampoule
dexamethasone	U	injection	4mg, dexamethasone phosphate (as sodium salt) in 1ml amp
epinephrine (adrenaline)	U	injection	1mg (as hydrochloride or hydrogen tartrate) in 1ml amp.
hydrocortisone	U	powder for injection	100mg (as sodium succinate) in vial
prednisone	U	tablet	5-60mg, * there is no evidence for complete clinical similarity between pred-nisolone and dexamethasone at high doses
methyl prednisolone	U,S,T	tablet/injection	4-32mg oral/1gm iv
triamcinolone	T	tablet/injection	4-32mg tab., 5-40 intra art, im
<b>Long acting</b>			
dexamethasone	S,T	injection	4-20im/iv
betamethasone	S,T	tablet/injection	0.5-5mg oral, 4-20i.m. iv
deflazacort	S,T	tablet	6,12,24,30mg
cetirizine	U	tablet/syrup	tab., 5mg, syrup 5mg/5ml

**Section - 4 ANTIDOTES AND OTHER SUBSTANCES USED IN POISONING**

**4.1 Non-specific**

Medicines	Category	Route of Administration	Strengths
charcoal, activated	U	powder	

**4.2 Specific**

Medicines	Category	Route of Administration	Strengths
atropine	U	injection	1mg (sulphate) in 1ml amp
naloxone	U	injection	400 micrograms (hydrochloride) in 1ml amp.)
anti-snake venom (monovalent&polyvalent)	U		
tetanus immunoglobulins	U		
rabies immunoglobulins	U		
tetanus toxoid	U		
anti-rabies vaccine	U		

**Section - 5 ANTICONVULSANTS/ANTIEPILEPTICS**

Medicines	Category	Route of Administration	Strengths
carbamazepine	U	tablet/injection	100mg, 200mg
diazepam	U	injection	5mg/ml in 2ml amp. (intravenous or rectal)
magnesium sulphate	U	injection	500 mg/ml in 2ml amp. 500mg/ml in 10ml amp. * for use in eclampsia and severe pre-eclampsia and not for other convulsant disorders
phenobarbitone	S,T	tablet/injection	15-100mg; elixir,15mg/5ml, inj. 200mg/ml
phenytoin	U	capsule or tablet	25mg, 50mg, 100mg (sodium salt)
valproic acid	S,T	enteric coated tablet	200mg (sodium salt)
lorazepam	T	tablet	2mg
levetiracetam	T	tablet	250mg
gabapentin	T	capsule	300mg
ethosuximide	T	tablet	750mg
lamotrigine	T	tablet	150mg

magnesium sulfate*	S,T	injection	150mg/ml in 2ml amp; 500mg/ml in 10ml amp. *for use in eclampsia and severe
phenobarbitone	U	tablet/injection	15-100mg; elixer, 15mg/5ml, inj. 200mg/ml
phenytoin	U	capsule/ tablet/injection	capsule or tablet, 25mg, 50mg, 100mg (sodium salt) inj. 100ml per amp

### **Section - 6 ANTI-INFECTIVE MEDICINES**

<b>6.1 Anthelmintics</b>			
<b>6.1.1 Intestinal anthelmintics</b>			
Medicines	Category	Route of Administration	Strengths
albendazole	U	chewable tablet/suspension	400mg, suspension 200mg/5ml 10ml
mebendazole	U	chewable tablet/suspension	400mg; suspension 200mg/5ml 10ml
niclosamide	U	chewable tablet	500mg
<b>6.2 Antibacterials</b>			
Medicines	Category	Route of Administration	Strengths
ethambutol	T	tablet	100mg-400mg (hydrochloride)
isoniazid	T	tablet	100-300mg
isoniazid + ethambutol	T	tablet	150mg + 400mg
pyrazinamide	T	tablet	400 mg
rifampicin	T	capsule or tablet	150mg, 450mg
amoxicillin	U	capsule or tablet	250mg, 500mg (anhydrous) powder for oral suspension, 125mg (anhydrous)/5ml, dispersible 125mg kid tablet
amoxicillin + clavulanic acid	S,T	tablet/injection	500mg + 125 mg, inj. 250mg+50/500mg+100mg/1000mg+200mg per vial
ampicillin	U	powder for injection	100mg, 250mg, 500 mg, 1g (as sodium salt) in vial
ampicillin + cloxacillin	U	injection	125mg+125mg/250mg+250mg/500mg+500mg/vial
benzathine benzylpenicillin	U	powder for injection	1.44g benzylpenicillin (=2.4 million IU) in 5ml vial
cloxacillin	U	powder for injection	600 mg (=1 million IU) 3g (=5 million IU) (sodium or potassium salt) in vial

procaine benzylpenicillin	U	poeder for injection	1g (=1 million IU). 3g (=3 million IU) in vial
ceftazidime	S,T	powder for injection	250mg/500mg/1gm (as pentahydrate) in vial
ceftriaxone	U	powder for injection	250mg (as sodium salt) in vial, 1gm vial
cefotaxime	S,T	injection	250mg/500mg//1gm per vial
ceftriaxone + sulbactam	S,T	injection	250mg+125mg/500mg+250mg/1000mg+500mg vial

### **6.2.1 Other Antibacterials**

azythromycin	S,T	injection	500ml vial
piperacillin + tazobactam	T	injection	2.25g/4.5g vial
levofloxacin	T	injection	500ml in 100ml
meropenem	T	injection	500mg/1gm vial
linezolid	T	injection	600mg in 300 ml
amikacin	S,T	injection	100mg/250mg/500mg vial
tobramycin	T	injection	20mg/80mg per vial
netilmycin	T	injection	10mg/25mg per amp.
vancomycin	T	injection	500mg vial
niclosamide	U	chewable tablet	500mg
cefadroxil	T	tablet	250mg, 500mg
methylrosanilinium(gentian violet)	U	ointment or cream	1% w/w
rifampicin + isoniazid	U	tablet	60mg + 30mg, 150mg + 75mg, 300mg +150mg,60mg+60mg (for intermittent used 3 times weekly) ; 150mg+150mg+500mg(for intermittent used 3 times weekly)150mg +150mg (for intermittent used 3 times weekly)
rifampicin + isoniazid + pyrazinamite	U	tablet	60mg + 30mg +150mg, 150mg+75mg+400mg,
rifampicin + isoniazid + pyrazinamite+ethambutol	U	tablet	150mg+75mg+400mg+275mg
streptomycin	U	powder for injection	1gm (as sulphate) in vial
chloramphenicol	U	capsule/suspension/injection	250 mg;oral suspension.150mg (as palmitate)/5ml, inj. 500mg/1gm per vial
ciprofloxacin	U	tablet	250mg (as hydrochloride)

doxycycline	U	capsule or tablet	100mg (hydrochloride)
erythromycin	U	capsule/tablet/suspension	250mg (as stearate) ; powder for oral suspension 125mg (as stearate)
gentamycin	U	injection,	10mg, 40mg (as sulphate)/ml in 2-ml vial final selection depends on indication for use
metronidazole	U	tablet/injection/suspension/suppository	200-500mg- ; injection, 500 mg, in 100 ml vial ; suppository 500 mg 1g; oral suspension. 200 mg (as benzoate)/5ml
nalidixic acid	U	tablet	250mg, 500mg
nitrofurantion	U	tablet	100mg
sulphafamethoxazole + trimethoprim	U	tablet/injection/suspension	100gm +20mg, 400mg + 80mg; oral suspension.200mg +40mg/5ml; injection 80 mg +16mg/ml in 5ml & 10ml ampouls
norfloxacin	U	tablet	400mg
clarithromycin	U	tablet	500mg

### 6.2.3 Antileprosy medicines

Medicines used in the treatment of leprosy should never be used except in combination. Combination therapy is essential to prevent the emergency of drugs resistance. Colour coded blister packs (MDT blister packs) containing standard two medicine (paucibacillary leprosy) or three medicine (multibacillary leprosy) combinations for adult and childhood leprosy should be used. MDT blister packs are supplied from the Govt. of India and are not be purchased by the Govt. of Mizoram.

Medicines	Category	Route of Administration	Strengths
clofazimine	U	capsule	50mg, 100 mg
dapsone	U	tablet	25mg, 50mg, 100mg
rifampicin	U	capsule or tablet	150mg, 300mg

### 6.2.4 Antituberculosis medicines from the RNTCP of Govt. of India not for purchas by Govt. of Mizoram.

### 6.3 Antifungal medicnes

Medicines	Category	Route of Administration	Strengths
fluconazole	U	capsules/injection/suspension	50mg, inj. 2mg/ml in vial, oral suspension 50mg/5ml

griseofulvin	U	capsule or tablet	125mg, 250mg
terbinafine	T	tablet	200mg
ketoconazole	T	tablet	200mg
amphotericin B	T	injection	50 microgram

#### **6.4 Anti viral medicines**

Medicines	Category	Route of Administration	Strengths
aciclovir	S,T	tablet/injection	200mg/400mg/800mg powder for inj. 250mg; (as sodium salt) in vial
famcyclovir	T	tablet	250mg

##### **6.4.1 Antitherpes medicines From Mizoram AIDS Control Society not for purchased by Govt. of Mizoram**

##### **6.4.2 Antiretrovirals**

Medicines	Category	Route of Administration	Strengths
oseltamivir	S,T	capsules/suspension	30mg, 45mg or 75mg; oral suspension 6mg/mL
amantadine	S,T	tablet	100mg

To be considered only when CD4 counts are possible in Mizoram state.

#### **6.5 Antiprotozoal medicines**

##### **6.5.1 Antiamoebic and anti giar diasis medicines**

Medicines	Category	Route of Administration	Strengths
diloxanide	U	tablet,	500mg (furoate)
metronidazole	U	tablet/injection/suspension	200-500mg, inj. 500mg in 100ml vial ; oral suspension 200mg (as benzoate)/5ml
ornidazole	T	tablet	500mg
zinc oral	U	suspension	20mg per 5ml

##### **6.5.2 Antimalarial medicines from NAMP Govt. of India; to be purchased by Govt. of Mizoram only in case of emergency.**



### 6.5.2.1 For curative treatment

Medicines for the treatment of *P. falciparum* malaria cases should be used in combination.

Medicines	Category	Route of Administration	Strengths
Chloroquine	U	tablet /injection/suspension	150mg(as phosphate); syrup 50mg (as phosphate)/5ml inj. 40 mg (as hydrochloride, phosphate or sulphate)/ml in 5ml amp.
primaquine	U	tablet	2.5mg, 7.5mg (as diphosphate)
quinine	U	tablet /injection	300mg (as bisulfate or sulphate); inj., 300mg (as dihydrochloride)/ml in 2ml amp.
doxycycline	U	capsule or tablet,	100mg (hydrochloride)(for use only in combination with quinine)
sulfadoxine + pyrimethamine	U	tablet	500mg + 25mg

### 6.5.2.2 For prophylaxis

Medicines	Category	Route of Administration	Strengths
chloroquine	U	tablet/suspension	150mg (as phosphate or sulphate); syrup 50mg(as phosphate or sulphate)/5ml
artemether	U	injection	80 mg
artesunate	U	injection	120mg
arteether	U	injection	150mg
arterolane maleate + piperaquine	U	tablet	150mg+750mg

## Section - 7 ANTIMIGRAINE MEDICINES

### 7.1. For treatment of acute attack

Medicines	Category	Route of Administration	Strengths
acetylsalicylic acid	U	tablet	300-500mg
paracetamol	U	tablet	300-500mg
ibuprofen	T	tablet	400-800mg

<b>Moderate migraine</b>			
ergotamine	T	tablet	1-2mg/dose
sumatriptam	T	tablet	50-100mg
flunarizine	T	tablet	5,10mg
prochlorperazine	T	tablet	10-25mg

### **7.2. Antidiabetic Medicines**

<b>Medicines</b>	<b>Category</b>	<b>Route of Administration</b>	<b>Strengths</b>
metformin	S,T	tablets	500mg, 1000mg
glimipride	S,T	tablets	1mg, 2mg, 3mg
pioglitazone	S,T	tablets	12.5mg, 15mg, 30mg
glipizide	S,T	tablets	2.5mg, 5mg, 10mg
glicazide	S,T	tablets	40mg, 80mg
vidagliptin	S,T	tablets	25mg, 50mg, 100mg
insulins	S,T		(30/70)human mixtard
			(50/50)human mixtard
			human insulin-regular
			(30/70)human insulin
			(50/50)human insulin

**Section - 8 ANTINEOPLASTIC, IMMUNOSUPPRESIVES AND MEDICINES USED INPALLIATIVE CARE For specialist used only as per requirement.**

### **8.1 Specific T cell inhibitors :**

<b>Medicines</b>	<b>Category</b>	<b>Route of Administration</b>	<b>Strengths</b>
cyclosporine	T	tablet	25-100mg

### **8.2 Cytokines :**

<b>Medicines</b>	<b>Category</b>	<b>Route of Administration</b>	<b>Strengths</b>
azathioprine	T	tablet	1-5mg/kg
cyclophosphamide	T	tablet/injection	2-3mg.kg/day
methotrexate	T	tablet/injection	7.5mg once a week
mycophenolate mofetil	T	tablet	1gm bd

**Section -9 ANTIPARKINSONISM MEDICNES For specialist used only as per requirement.**

Medicines	Category	Route of Administration	Strengths
Dopamine precursor, levodopa	T	tablet	250mg in divided doses max dose 2.5-8gm/day
peripheral decarboxylase inhibitor, carbidopa	T	tablet	75-100mg in 3 divided doses
levodopa+carbidopa	T	tablet	(100-250mg)+10-50mg in divided doses

**Section -10 MEDICNES EFFECTING THE BLOOD**

**10.1 Antianaemia medicines From Govt. of India for RCH programme.**

Medicines	Category	Route of Administration	Strengths
ferrous salt +folic acid	U	tablet	20mg +200micrograms, 60mg iron + 1mg folic acid (nutritional supplement for used during pregnancy), 100mg iron + 1mg folic acid
erythropoetin	T	injection	50units/kg 3 times a week
filgastrim(GM-CSF)	T		1-10microgram/kg/day s.c. or i.v.
iron+dextran im	U		alternate days (2ml), iv 2ml in 5% dextrose(6-8hrs)

**10.2 Medicines effecting coagulation**

Medicines	Category	Route of Administration	Strengths
heparin sodium	T	injection	1000IU/ml, 5000 IU/ml, 20,000IU/ml in 1ml amp
phytomenadione	U	injection	10mg/ml in 5ml amp., tablet 10mg
warfarin	T	tablet	1mg, 2mg and 5mg (sodium salt)
LMWH	T		20mg, 40mg, 60mg s.c
oral anti coagulant	T		warfarin 1,2,5mg tablet
phytomenadione	U	injection	10mg/ml in 5amp. Tab. 10mg

**Section -11 BLOOD PRODUCTS AND PLASMA SUBSTITUTES**

**11.1 Plasma substitutes**

Medicines	Category	Route of Administration	Strengths
dextran 70	S,T	injection	solution 6%
polygeline	U	injection	solution 6%

**11.2 Plasma fractions for specific used as per requirement by specialists**

**Section -12 CARDIOVASCULAR MEDICINES**

**12.1 Antianginal medicines**

Medicines	Category	Route of Administration	Strengths
atenolol	U	tablet	50mg, 100mg
glyceryl trinitrate	S,T	tablet(sublingual)	500 micrograms

**12.2 Antiarrhythmic medicines**

Medicines	Category	Route of Administration	Strengths
atenolol	U	tablet	50mg, 100mg
digoxin	T	tablet/injection	250 micrograms, inj. 250 micrograms/ml in 2 ml amp.
epinephine (adrenaline)	T	injection	1mg (as hydrochloride)/ml in 5ml.amp
lignocaine	T	injection	20mg (hydrochloride)/ml in 5ml amp
verapamil	S,T	tablet/injection	40mg, 80mg (hydrochloride) inj.2.5mg (hydrochloride)/ ml in 2ml amp

**12.3 Antihypertensive medicines**

Medicines	Category	Route of Administration	Strengths
atenolol	U	Tablet	50mg, 100mg
enalapri	U	Tablet	2.5mg

hydrochlorothiazide	U	scored tab	25mg
methyldopa	S,T	Tablet	250mg * methyldopa is listed for use in the management of pregnancy-induced hypertension only. Its use in the treatment of essential hypertension is not recommended in view of the availability of more evidence of efficacy and safety of other medicines.
nifedipine	U	cap., tab	10mg
nitroglycerine	T	injection	5ml amp.

#### **12.4 Medicines used in heart failure**

Medicines	Category	Route of Administration	Strengths
digoxin	U	tablet	250 micrograms, inj. 250 micrograms/ml in 2ml amp. paed syrup 50 microgram per ml
enalapril	U	tablet	2.5mg
hydrochlorothiazide	U	scored tab	25mg
dopamine	S,T	injection	40mg (hydrochloride) in 5ml vial
norad	S,T	injection	2ml amp.
dobutamine	S,T	injection	5ml amp.

#### **12.5 Antithrombotic medicines**

acetylsalicylic acid	S,T	scored tab	150mg
streptokinase	T	powder for injection	1.5million IU in vial

### **Section -13 DERMATOLOGICAL MEDICINES (topical)**

#### **13.1 Antifungal medicines**

Medicines	Category	Route of Administration	Strengths
benzoic acid + salicylic acid	U	ointment or cream	6% +3%
clotrimazole	U	ointment or cream	1% w/w
selenium sulfide	T	detergent based suspension,	2%
ketakonazole	T	lotion detergent based	
sertaconazole	T	cream	1%

### 13.2 Anti-infective medicines

Medicines	Category	Route of Administration	Strengths
methylrosanilinium chloride (gentian) violet	U	aqueous solution	0.5%, tincture, 05.%
gentamycin	U	gel/cream	0.10%
potassium permanganate	U	aqueous solution	1:10,000
silver sulfadiazine	U	cream	1% in 500g container
metronidazole	S.T	gel	1%
potassium iodide	U	crystals	500gms.ph
potassium permanganate	U	crystals	20gm pkt.
clindamycin phosphate	T	gel	1%

### 13.3 Anti-inflammatory and antipruritic medicines

Medicines	Category	Route of Administration	Strengths
betamethasone	U	ointment or cream,	0.1% (as valerate)
neomycin + betamethasone	U	ointment	0.5% neomycin + 0.12% bethamethasone
calamine lotion	U	lotion	

### 13.4 Medicine infecting skin differentiation and proliferation

Medicines	Category	Route of Administration	Strengths
benzoyl peroxide	T	lotion or cream	5%
salicylic acid	T	cream	6%, 12%
urea	T	ointment or cream	10%

### 13.5 Scabicides and pediculicides

Medicines	Category	Route of Administration	Strengths
Gamma Benzene hexachloride (gamma BHC)	U	lotion	1%

**Section -14 DIAGNOSTIC AGENTS**

**14.1 Ophthalmic medicines**

Medicines	Category	Route of Administration	Strengths
fluorescein	S,T	eye drops	1% (sodium salt)
tropicamide	S,T	eye drops	0.50%

**14.2 Radiocontrast media**

Medicines	Category	Route of Administration	Strengths
amidotrizoate	T	injection	140-420mg iodine (as sodium or meglumine salt)/ml in 20ml amp
barium sulphate	S,T	aqueous suspension/powder	
iohexol	S,T	injection	140-350mg iodine/ml in 5ml, 10ml and 20ml amp.
iopanoic acid	S,T	tablet	500mg
propyliodone	S,T	oily suspension	500-600mg/ml in 20ml, amp. (for administration only into the bronchial tree)
complimentary list	S,T	solution	5-8g iodine in 100-250ml
meglumine iotroxate	S,T	injection	

**Section -15 DISINFECTANTS AND ANTISEPTICS**

**15.1 Antiseptics**

Medicines	Category	Route of Administration	Strengths
chlorhexidine	U	solution	5% (digluconate) for dilution
ethanol	U	solution	70% (denatured)
polyvidone iodine	U	solution	10%
methyl alcohol	U	solution	

### 15.2 Disinfectants

Medicines	Category	Route of Administration	Strengths
glutaraldehyde	S,T	solution	2%
amorphus hydrogel	S,T	ointment	
parrafin	S,T	gouge	
silver sulfadiazine	S,T	ointment	

### 15.3 Peracef Powder

### Section -16 DIURETICS

Medicines	Category	Route of Administration	Strengths
frusemide	U	tablet/injection	40mg, inj. 10mg/ml in 2ml amp.
hydrocholothiazide	U	scored tablet	25mg
mannitol	S,T	injectable solution	10%, 20%
spironolactone	U	tablet	25mg

### Section -17 GASTROINTESTINAL MEDICINES

#### 17.1 Antacids and other antiulcer medicines

Medicines	Category	Route of Administration	Strengths
aluminium hydroxide	U	tablet/suspension	500mg ; oral suspension, 320 mg/5ml
ranitidine	U	tablet/injection/suspension	150mg (as hydrochloride),inj. 25mg/ml in 2ml amp.
magnesium hydroxide	U	oral suspension,	85% equivalent to 550 mg magnesium oxide/10ml

#### 17.2 Antiemetic medicines

Medicines	Category	Route of Administration	Strengths
metoclopramide	U	tablet/injection	10mg (hydrochloride), inj.5mg (hydrochoride)/ml in amp.
promethazine	U	tablet/injection/syrup	10mg, 25mg(hydrochloride); elixir or syrup, 5mg (hydrochloride)/ml in 2ml amp.



ondansetron	S,T	injection	2ml/4ml amps.
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### 17.3 Antihaemorrhoidal medicines

Medicines	Category	Route of Administration	Strengths
lignocaine*	T	ointment	2%, 5%

### 17.4 Antispasmodic medicines

Medicines	Category	Route of Administration	Strengths
dicyclomine	U	tablet/injection	20mg (sulfate); inj. 10mg (hcl) in 1ml amp.
drovartine	U	injection	40mg/ml
tranexamic acid	S,T	injection	

### 17.5 Laxatives

Medicines	Category	Route of Administration	Strengths
bisacodyl	U	tablet	5mg
lactulose	U	suspension	5-10ml HS

### 17.6. Oral rehydration

Medicines	Category		
oral rehydration salts * (for glucose-electrolyte solution)	U	glucose	75mEq
		sodium	75 mEq or mmo1/1
		chloride	65 mEq or mmo1/1
		potassium	20 mEq or mmo1/1
		citrate	10 mmo1/1
		osmolarity	245 mOsm1/1
		glucose	13.5 g/l
		sodium chloride	2.6 g/l
		potassium chloride	1.5g/l
		treisodium citrate dihydrate+	2.9g/l

+ trisodium citrate dihydrate may be replaced by sodium hydrogen carbonate (sodium bicarbonate) 2.5g/l. However, as the stability of this latter formulation is very poor under tropical conditions, it is only recommended when manufactured for immediate use. \* in cases of cholera a higher concentration of sodium may be required.

**17.6.1 Medicines used in diarrhoea**

loperamide	U		4mg followed by 2mg tab.
racecadrotil	U		10mg

**Section -18 HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES**

**18.1 Adrenal hormones and synthetic substitutes**

Medicines	Category	Route of Administration	Strengths
Nil			

**18.2 Androgens**

Medicines	Category	Route of Administration	Strengths
Nil			

**18.3 Contraceptives**

**18.3.1 Hormonal contraceptives From RCH supply by Govt. of India**

Medicines	Category	Route of Administration	Strengths
ethinylestradiol + levonorgestrel	U	tablet,	30 micrograms + 150 micrograms
ethinylestradiol + norethisterone	U	tablet,	35 micrograms + 1.0mg
levonorgestrel	S,T	tablet,	30 micrograms, 750 micrograms (pack of two) 1.5mg
norethisterone enantate	S,T	oily solution,	200mg/ml in 1ml amp

**18.3.2 Intrauterine devices from RCH supply by Govt. of India**

copper containing device
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**18.3.3 Barrier methods from RCH supply by Govt. of India**

condoms
diaphragms

#### **18.4 Insulins and other antidiabetic agents**

<b>Medicines</b>	<b>Category</b>	<b>Route of Administration</b>	<b>Strengths</b>
glibenclamide	U	tablet	2.5mg, 5mg
insulin inj. (soluble)	U	injection	40 IU/ml in 10ml vial, 100 IU/ml in 10ml vial
intermediate-acting insulin	S,T	injection	40 IU/ml in 10ml vial, 100 IU/ml in 10 ml vial(as compound insulin zinc suspension or isophane insulin)
metformin	U	tablet	500mg (hydrochloride)

#### **18.5 Ovulation inducers Nil**

#### **18.6 Progestogens**

<b>Medicines</b>	<b>Category</b>	<b>Route of Administration</b>	<b>Strengths</b>
norethisterone	S.T.	tablet	5mg

#### **18.8 Thyroid hormones and antithyroids medicines**

<b>Medicines</b>	<b>Category</b>	<b>Route of Administration</b>	<b>Strengths</b>
levothyroxine	U	tablet	50 micrograms, 100 micrograms (sodium salt)
carbimazole	U	tablet	5mg
propylthiouracil	S,T		100-150mg

### **Section -19 IMMUNOLOGICALS**

**supplied by Universal Programme of Immunisation, Govt. of India.**

#### **19.1 Diagnostic agents**

All tuberculins should comply with the WHO Requirements for Tuberculins (Revised 1985). WHO Expert Committee on Biological Standardization Thirty sixth report. (WHO Technical Report Series No. 745, 1987 Annex I) tuberculin, purified protein derivative injection. (PPD) S.T.

#### **19.2 Sera immunoglobulins**

All plasma fractions should comply with the WHO Requirements for the Collection, Processing and Quality Control of Blood, Blood Components and Plasma Derivatives (Revised 1992). WHO Expert Committee on Biological Standardization Forty-third report, (WHO Technical Report Series. No. 840, 1994, Annex 2)

Medicines	Category	Route of Administration	Strengths
anti-D immunoglobulin (human)	T	injection	250 micrograms in single dose vial
antitetanus ommunoglobulin(human)	U	injection	500 IU in vial
antivenom serum polyvalent	U	injection	freeze dried to make 10ml
rabies immunoglobulin	T	injection	150IU/ml in via

### 19.3 Vaccines

**All vaccines should comply with the WHO Requirements for Biological Substances. To be procured from Government of India.**

#### 19.3.1 For universal immunization

BCG vaccine

diphtheria vaccine

hepatitis B vaccine

measles vaccine

pertussis vaccine

poliomyelitis vaccine

tetanus vaccine

### Section -20 MUSCLE RELAXANTS (PERIPHERALLY ACTING ) AND CHOLINESTERASE INHIBITORS

Medicines	Category	Route of Administration	Strengths
neostigmine	S,T	tablet/injection	15mg (bromide) inj. 500micrograms in 1ml amp. 2.5mg (metilsulfate) in 1 ml amp.
suxamethonium	T	injection	50 mg(chloride)/ml in 2ml amp. powder for inj. (chloride) in vial
atracurium	S,T	injection	2.5ml amp.
vecuronium	U	injection	4mg amp/vial (lyophilised)
rocuronium	S,T	injection	5ml vial
myopyrolate (neostigmine and glycopyrolate)	S,T	injection	5ml

## Section- 21 OPHTHALMOLOGICAL PREPARATIONS

### 21.1 Anti-infective agents

Medicines	Category	Route of Administration	Strengths
gentamicin	U	solution (eye drops),	0.3% (sulphate) * final selection depends on indication for use
tetracycline	U	eye ointment,	1% (hydrochloride)
chloramphenicol	S,T	eye drop	0.5%, ointment 1%

### 21.2 Anti-inflammatory agents

Medicines	Category	Route of Administration	Strengths
presnisone	S,T	solution (eye drops),	0.5% (sodium phosphate)
flurbiprofen	S,T	eye drops	0.03%

### 21.3 Local anaesthetics

Medicines	Category	Route of Administration	Strengths
tetracaine	S,T	solution (eye drops)	0.5%(hydrochloride)
proparacaine	S,T	solution (eye drops)	0.5% hydrochloride
xylocaine	S,T	injection	4%

### 21.4 Miotics and antiglaucoma medicines

Medicines	Category	Route of Administration	Strengths
acetazolamide	S,T	tablet	250mg
pilocarpine	S,T	solution (eye drops)	2%, 4%(hydrochloride or nitrate)
timolol	S,T	solution (eye drops)	0.1%, 0.5%, 1% (as maleate)

### 21.5 Mydriatics

Medicines	Category	Route of Administration	Strengths
atropine	S,T	solution (eye drops),	0.1%, 0.5%, 1%(sulphate) ointment
tropicamide with phenylephine	S,T	eye drop	0.5%

**Section- 22 OXYTOCICS AND ANTIOXYTOCICS**

Medicines	Category	Route of Administration	Strengths
ergometrine	U	tablet/injection	200 micrograms (hydrogen maleate); inj. 200 micrograms (hydrogen maleate) in 1ml amp
oxytocin	U	injection	10 IU in 1ml amp.
misoprostol	T	tablet	25 micrograms, 200 micrograms
mifepristone	T	tablet	200mg
carboprost	T	injection	250micrograms

**22.2 Antioxytocics**

Medicines	Category	Route of Administration	Strengths
salbutamol	U	tablet/injection	4mg (as sulfate); inj. 50 micrograms (as sulphate)/ml in 5ml amp.

**Section- 23 PERITONEAL DIALYSIS SOLUTION**

intraperitoneal dialysis solution (of parenteral solution appropriate composition) T
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**Section-24 PHYCHOTHERAPEUTIC MEDICINES**

**24.1 Medicines used in psychotic disorders**

Medicines	Category	Route of Administration	Strengths
chlorpromazine	S,T	tablet/injection	100mg (hydrochloride); syrup 25mg (hydrochloride)/5ml, inj. 25mg (hydrochloride)/ml in 2ml amp.
fluphenazine	S,T	injection	25mg (decanoate or enantate) in 1ml amp.
haloperidol	S,T	tablet/injection	2mg, 5mg, inj. 5mg in 1ml amp.

**24.2 Medicines used in mood disorders**

**24.2.1 Medicines used in bipolar disorders**

Medicines	Category	Route of Administration	Strengths
amitriptyline	S,T	tablet	25mg (hydrochloride)

### 24.2.2 Medicines used in bipolar disorders

Medicines	Category	Route of Administration	Strengths
carbamazepine	S,T	scored tablet	, 100mg, 200mg
valproic acid	S,T	enteric coated tablet,	200mg, 500mg (sodium salt)

### 24.3 Medicines used in generalized anxiety and sleep disorders

Medicines	Category	Route of Administration	Strengths
diazepam	U	scored tablet	2mg, 5mg

### Section-25 MEDICINES ACTING ON THE RESPIRATORY TRACT

#### Antiasthmatic and medicines for chronic obstructive pulmonary disease

Medicines	Category	Route of Administration	Strengths
beclometasone	S,T	inhalation (aerosol)	50 micrograms per dose (dipropionate); 250 micrograms (dipropionate)per dose
epinephrine(adrenaline)	U	injection	1mg (as hydrochloride or hydrogen tartrate) in 1ml amp
salbutamol	U	tablet/inhalation (aerosol)	2mg, 4mg (as sulphate), inhalation (aerosol), 100 micrograms (as sulphate) per dose; syrup, 2mg/5ml; nj 50 micrograms (as sulphate)/5ml in 5ml amp. respirator solution for use in nebulizers 5mg (as sulphate)/ml
theophylline	U	tablet	100mg, 200mg, 300mg
aminophylline	U	injection	25mg/ml in 10ml amp.
salbutamol and ipatropium	U	respule for nebuliser	1ml
acetylcysteine	S,T	injection	1ml amp
methyl predniisolone	S,T	injection	40/125mg inj.
terbutaline	S,T	tablet/injection	1 & 2ml
deflazacort	S,T	tablet	6/12/18/30mg
salmeterol/formeterol	S,T	inhaler	
budesonide/beclomethasone	S,T	inhaler	

**Section-26 SOLUTIONS CORRECTING WATER, ELECTROLYTE AND ACID-BASE DISTURBANCES**

**26.1 Oral**

Medicines	Category	Route of Administration	Strengths
Oral rehydration salts (for glucose electrolyte solution)	U	see section 17.7.1	
potassium chloride	U	powder for solution	

**26.2 Parenteral**

Medicines	Category	Route of Administration	Strengths
glucose	U	injectable solution	5%, 10% isotonic, 50% hypertonic
glucose with sodium chloride isotonic	U	injectable solution	5%, glucose, 0.9%, sodium chloride
potassium chloride	S,T	solution,	11.2% in 20ml amp. (equivalent to K <sup>+</sup> , 1.5 mmol/ml. CL - 1.5mmol/ml)
sodium chloride	U	injectable solution	0.9% isotonic (equivalent to Na <sup>+</sup> 154 mmol/l. CL - 154 mmol/l)
sodium hydrogen carbonate	S,T	injectable solution,	1.4% isotonic (equivalent to Na <sup>+</sup> 167 mmol/l. HCO <sub>3</sub> <sup>-</sup> 167mmol/l); solution, 8.4% in 10ml amp (equivalent to Na <sup>+</sup> 1000 mmol/l, HCO <sub>3</sub> <sup>-</sup> 1000mmol/l)
sodium lactate compound	U	injectable solution	

**Section-27 VITAMINS AND MINERALS**

Medicines	Category	Route of Administration	Strengths
retinol	U	sugar coated tab	10000IU (as palmitate) (5.5mg); capsule, 200000IU (as palmitate) (110mg); oral oily solution 100 000 IU (as palmitate)/ml in multidose dispenser; (Free RCH supply)
calcium gluconate	U	injection	100mg/ml in 10ml amp
zinc	S,T	oral suspension	20ml per 1ml
vitamin K	U	injection	1ml per amp.



