

## FOREWORD

I am pleased to present the completely revised and updated 5<sup>th</sup> edition of the Eritrean National List of Medicines (ENLM 5<sup>th</sup> edition) to all health professionals in Eritrea. As medicines play a major role in the provision of healthcare services, the selection of the appropriate medicines required for the maintenance of an effective health system is one of fundamental and dynamic activities of the Ministry of Health.

The Eritrean National List of Medicines, which is a major component of the Eritrean National Medicine Policy, has been an indispensable instrument for promoting the rational use and cost effective procurement of medicines. It has been a tool for proper control of supply resulting in a fairly equitable distribution and availability of essential medicines throughout the country. This exemplary success is the result of an extreme sense of commitment by most prescribers and dispensers through strict adherence to the list throughout their practices. Higher adherence is further the outcome of the active participation of professionals both in the public and private sectors during the review and updating process. The Ministry of Health was able to consistently regulate the adherence to the list of procured medicines, including medicines procured by purchase or by donation during peace as well as crisis.

Since the Revised Eritrean National List of Medicines (ENLM 5<sup>th</sup> edition) is a comprehensive list of medicines that are believed to effectively treat the main health problems occurring in our country, strict adherence to the list during prescribing, dispensing, procurement and production of medicines remains a mandatory requirement. Moreover, it is the standing policy of the Ministry of Health that generic name is used in all medicine prescribing, ordering, labeling and dispensing.

Taking into account the changing therapeutic requirements nationally and internationally, ENLM will be revised periodically and a continuous feedback through suggestions and comments from all concerned is essential.

In conclusion, I would like to congratulate all the participants of the workshop in general and the National Medicine Selecting Committee in particular for their excellent work. I sincerely hope that the updated list will advance the service to all the users, and be able to prove the effectiveness of our National Drug Policy

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June 2010

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## INTRODUCTION

The Eritrean National List of Medicines (ENLM) is a list of medicines which defines the range of medicines that are available to importers, manufacturers, distributors, prescribers or dispensers in Eritrea. It also defines the level of use of medicines in different health facilities. Its preparation is based on the treatment of choice for the most common diseases and medical conditions in the country. Evidence of efficacy, safety, cost, quality and availability were the main criteria for selection.

The first edition, a successor of the Basic List of Medicines was published in 1988 during the struggle for independence, was published in 1993 after liberation and was widely circulated. A regular revision is necessary because knowledge and ideas about medicines are constantly changing, new drugs are coming to the market, and experience with the existing medicines is continuously expanding. The subsequent 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> editions were published in 1996, 2001 and 2005 respectively. Drug use indicator surveys in 1995, 1997 and 2005 showed more than 90% adherence to the list by health professionals in Eritrea which shows a wide acceptance of the concept.

A selection in the Eritrean National Drug Policy states that: “The Eritrean National List of Medicines will be reviewed at least every three years”. In 1998 National Drug Committee which is composed of knowledgeable individuals from different health disciplines was established. Main responsibility of the committee is to review ENLM, publish Eritrean Drug Formulary, Eritrean National Treatment Guidelines as well as to overlook any drug related problems including pharmacovigilance.

As usual during the recent ENLM revision review forms were distributed to health professionals in the country. The comments and suggestions were compiled and formed the basis for discussion in a national workshop held at the Orotta National Referral Hospital Conference hall from 30 June – 02 July 2009.



One hundred and fifteen participants selected from various disciplines of the health profession, including health professionals from the public and private sectors and representatives of international agencies such as WHO & UN agency groups attended the workshop. A full list of the participants is shown on page 12. Considerable attention was given to ensure wider representation and involvement of health workers. An experienced consultant Dr Richard Laing, WHO EDM program, Geneva was there for his third time in Eritrea to share expert opinion and to facilitate the workshop. The workshop was conducted under an extreme sense of commitment and active interest of the participants. A summary of the consensus reached regarding changes to the previous list is given on page 19.

ENLM 5<sup>th</sup> edition will be revised after a period of three years, to that end it shall supersede the previous 4<sup>th</sup> edition. Adherence to the list in procuring or prescribing drugs is a legal requirement. However, the list is not set in stone and in exceptional cases application for permission to obtain non-listed products could be considered by the National Drug Committee on condition that the request has the support of the Department of Health Services.

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## ACKNOWLEDGMENTS

The Department of Regulatory Services would like to extend a special thanks to all the National Drug Committee members who thoroughly supervised the revision process of the ENLM. The department is also grateful to all health professionals who sent their valuable comments and suggestions; and to the consensus building workshop participants for their enthusiastic participation, without which the revision would not have achieved success.

We owe special thanks to WHO-Eritrea for its assistance in funding the workshop activities and printing of the Eritrean National List of Medicines 5<sup>th</sup> edition, as well as for sponsoring the consultant. Special thanks goes to Dr. Idrisa Sow, WHO country representative and Head of Mission for his consistent encouragement and co-operation in promoting the Essential Drugs Programme in Eritrea.

We would also like to thank Dr. Richard Laing, professor, consultant from WHO EDM program, Geneva, for his remarkable contribution to the success of the workshop:.

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## **Summary of Changes**

### **1. Anesthetics**

#### **1.2 Local Anaesthetics**

Lidocaine hydrochloride is lowered from level 3 to level 1 due to delivery and incision at lower level (health station).

- Injection, 1%, 2% in vial

- Injection, 1%, 2% with epinephrine 1:200,000 in vial

### **2. Analgesics, Antipyretics, NSAIDs and medicines used to treat gout**

#### **2.1 Nonopioids**

Piroxicam - capsule, 20mg – deleted from the list due to the side effect.

Naproxen - Tablet, 250,500mg – Added to the list at level three and is used to treat various painful conditions including postoperative pain and the drug has long duration of action, high pain control score.

Tramadol - Tablet, 50-200mg – Added to the list at level three and is used as an analgesic agent for the treatment of moderate to severe pain.

#### **2.2 Opioids**

Pentazocine hydrochloride, 50mg tab, caps, 30mg/ml injection and 50 mg suppositories – Deleted from the list due to the side effects.

### **3. Antiallergies and medicines used in anaphylaxis**

Cetirizine, 10mg Tablet and 5mg/5ml syrup – Added to the list at level two and used for symptomatic relief of allergy such as hay fever, urticaria.

### **6.2 Antibacterial**

#### **6.2.4. Antituberculosis Medicine**

Kanamycin, 1gm Vial, Ofloxacin, 400mg Tablet, Cycloserine, 250mg Tablet, Ethionamide, 125mg, 250mg Tablet – Added to the list at level

three and these drugs are recommended for the treatment of multi - drug resistant TB (MDR-TB)

#### **6.4.3 Antimalarial Medicines**

Artemether + lumefantrine, Tablet, 20mg + 120mg - Added to list at level three

#### **6.5.2 Antiretroviral Medicines**

Stavudine 40mg and all combinations which have Stavudine 40mg were deleted from the list due to the side effect of stavudine 40mg that is peripheral neuropathy.

##### **6.5.2.2 Non-Nucleoside Reverse Transcriptase Inhibitors**

Tenofovir, Tablet, 300mg - Added to the list at level three.

### **8. Antineoplastic and Immunosuppressive Medicines**

#### **8.3 Hormones and Antihormones**

Dexamethasone , Oral liquid form as 2 mg/5 ml is added.

Prednisolone, Oral liquid form as 5 mg/ml is added.

### **12. Cardiovascular Medicines**

#### **12.3 Antihypertensive Medicines**

Amlodipine, Tablet, 5mg - Added to the list at level three and it is convenient for geriatric use once daily.

Enalapril, tablet, 2.5mg, tablet, 10mg strengths are added.

#### **12.7 Lipid-lowering medicines**

Atorvastatin, Oral form as tablet, 10mg, 40mg(s) are added at level S.

Simvastatin, Tablet, 10mg, 40mg - Added to the list at level three.

## **18. Gastrointestinal medicines**

### **18.1 Antacid and other Antiulcer Medicines**

Omeprazole, Powder for oral liquid form as 20 mg, 40 mg sachets is added.

Ranitidine hydrochloride, as Oral liquid: 75 mg/5 ml is added.

### **18.2 Antiemetic Medicines**

Metoclopramide hydrochloride, Oral liquid form as syrup, 5mg/5ml is added.

### **18.7 Medicines Used In Diarrhoea**

Zinc sulphate, Oral liquid: in 10 mg per unit dosage forms and tablet: in 10 mg per unit dosage forms is added.

## **19. Hormones, other Endocrine Medicines and Contraceptives**

### **19.5 Insulins and Other Antidiabetic Agents**

Glimipride, Tablet, 1mg, 2mg, 3mg, and 4mg - Added to the list at level three and has extra pancreatic effect, long duration of action, its metabolite itself is active and has less risk of hypoglycemia.

### **19.9 Medicines for erectile dysfunction**

Sildenafil, tablet, 25mg strength is added to the list at level three.

## **22. OPHTHALMOLOGICAL PREPARATIONS**

### **22.1 Anti-Infective Agents**

Azithromycin – Added to the list at level S and is used for mass treatment to control blindness due to trachoma

Dorzolamide + timolol, Drop, 2% + 0.5mg - Added to the list at level S due to its additive effect in lowering intraocular pressure (IOP).

Ciprofloxacin, Drop, 0.3% - Added to the list at level S and ciprofloxacin eye drop can be used for corneal ulcers and it is extremely effective bactericidal drug with low corneal toxicity and rapid action.

Latanoprost, Drop, 0.005% - Added to the list at level S and latanoprost is more effective in lowering pressure and has fewer side-effects. This drug can be used for treatment of inoperable glaucoma cases.

### **23. OXYTOCICS and ANTIOXYTOCICS**

#### **23.1 Oxytocics**

Prostaglandin E<sub>1</sub>, Tablet, 25mcg, 200mcg (misoprostol) - Added to the list at level three due to the oral effectiveness and its use for treatment atonic PPH & induction labor and dinoprostone has been deleted.

#### **26. Medicines acting on the respiratory tract**

Bromhexine, Tablet, 4mg, 8mg and Syrup, 5mg/5ml – added to the list at level three and this drug can be used as mucolytic agent and this drug enhance the penetration of antibiotics.

#### **27. Solutions correcting water, electrolyte and acid base disturbances.**

Zinc, Tablet, 20mg added to the list

#### **28. Vitamins and minerals**

Iodine, Capsule: 200 mg.

Riboflavin, Tablet: 5 mg.

## **ABBREVIATIONS**

µg	=	microgram
DRS	=	Department of Regulatory Services
ENLM	=	Eritrean National List of Medicines
g	=	gram
IM	=	Intramuscular injection (intramuscularly)
IU	=	International Unit
IV	=	Intravenous injection (intravenously)
mg	=	milligram
ml	=	millilitre
mm	=	millimetre
mmol	=	millimole
MOH	=	Ministry of Health
NDC	=	National Drug Committee
NSAID	=	Non-steroidal anti-inflammatory medicines
ORS	=	Oral Rehydration Salts
SC	=	Subcutaneous injection (subcutaneously)





## CLASSIFICATION OF LEVEL OF USES

The following keys indicate classification of level of uses to be adhered to.

- 1** = For use in all health care settings
- 2** = For use in health centers and higher health care levels
- 3** = For use in all hospitals
- S** = Specialty medicines; to be used in special cases and be kept **only** in the highest referral hospital



Drug	Level of Use	Dosage form and Strength
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## ERITREAN NATIONAL LIST OF MEDICINES

Medicine	Level of Use	Dosage form and Strength
<b>1. ANAESTHETICS</b>		
<b>1.1. General Anaesthetics</b>		
1. Ether, anaesthetic	3	Inhalation
2. Halothane	3	Inhalation
3. Ketamine hydrochloride	3	Injection, 50mg/ml 10ml vial
4. Oxygen	2	Inhalation
5. Propofol	S	Injection, 10mg/ml, 20mg/ml in ampoule
6. Soda Lime (CO <sub>2</sub> )	2	Powder
7. Thiopental sodium	3	powder for injection, 0.5g, 1.0g in ampoule
<b>1.2 Local Anaesthetics</b>		
1. Bupivacaine hydrochloride	3 3	injection, 0.25%, 0.5% in vial injection for spinal anaesthesia 0.5% in 4ml ampoule with 7.5% glucose solution

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
2. Lidocaine hydrochloride	1 1 3  1 3	injection, 1%, 2% in vial injection, 1%, 2% with epinephrine 1:200,000 in vial injection for spinal anaesthesia 5% in 2ml ampoule with 7.5% glucose solution  topical forms, 2-4 % dental cartridge, 2% + epinephrine 1:80000
3. Ethyl Chloride	<b>1</b>	topical forms, aerosol spray
<b>1.3 Preoperative Medication</b>		
1. Atropine sulfate	<b>3</b>	injection, 1mg in 1ml ampoule
2. Diazepam	<b>3</b>	injection, 5mg/ml 2ml ampoule
3. Midazolam	<b>S</b>	injection, 2mg/ml in 2ml, 5mg/ml in 2ml ampoule
4. Morphine hydrochloride	<b>3</b>	injection, 10mg in 1ml ampoule
5. Pethidine Hydrochloride	<b>2</b>	injection, 50mg in 1ml ampoule
6. Promethazine hydrochloride	<b>2</b>	elixir or syrup, 5mg/5ml
7. Metoclopramide	<b>3</b>	injection, 5mg/ml in 2ml ampoule
8. Sodium citrate	<b>3</b>	oral solution, 490mg/5ml
<b>1.4 Miscellaneous</b>		
KY Jelly	<b>1</b>	

Drug	Level of Use	Dosage form and Strength
<b>2. ANALGESICS, ANTIPYRETICS, NON- STEROIDAL ANTI-INFLAMMATORY MEDICINES AND MEDICINES USED TO TREAT GOUT.</b>		
<b>2.1 Nonopioids</b>		
1. Acetylsalicylic acid	1	tablet, 300mg, 500mg
	2	enteric coated tablet, 300mg
2. Allopurinol	3	tablet, 100mg
3. Colchicine	3	tablet, 500µg
4. Ibuprofen	1	tablet, 200mg, 400mg
5. Indomethacin	2	tablet or capsule, 25mg
	2	suppository, 100mg
6. Diclofenac Sodium	2	tablet, 25mg, 50mg (regular and/or modified release)
	2	suppository, 12.5mg (paediatric) 100mg
	2	injection, 75mg/3ml ampoule
	2	gel 1%
7. Paracetamol	1	tablet, 100-500mg
	1	suppository, 100mg
	1	syrup, 125mg/5ml
8. Naproxen	3	Tablet, 250,500mg
9. Tramadol	3	Tablet/capsule, 50mg -200mg
<b>2.2 Opioids</b>		
1. Codeine phosphate	2	tablet, 30mg
2. Morphine hydrochloride	3	injection, 10mg in 1ml ampoule
	3	oral solution 10mg/5ml
	3	tablet, 10mg (as sulfate)

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
3. Pethidine hydrochloride	<b>3</b> <b>3</b>	tablet, 50mg, 100mg injection, 50mg/ml in 1ml ampoule
<b>3. ANTIALLERGIES &amp; MEDICINES USED IN ANAPHYLAXIS</b>		
1. Chlorphenamine hydrogen maleate	<b>1</b> <b>1</b> <b>1</b>	tablet, 4mg syrup, 2mg/5ml injection, 10mg in 1ml ampoule
2. Cetirizine	<b>3</b>	Tablet, 10mg Syrup, 5mg/5ml
3. Dexamethasone sodium phosphate	<b>3</b> <b>3</b>	tablet, 500µg, 4mg injection, 4mg
4. Epinephrine hydrochloride	<b>1</b>	Injection, 1mg in 1ml ampoule
5. Hydrocortisone sodium succinate	<b>2</b>	powder for injection, 100mg in vial
6. Prednisolone	<b>3</b>	tablet, 5mg Oral liquid: 5 mg/ml
<b>4. ANTIDOTES AND OTHER SUBSTANCES USED IN POISONINGS</b>		
<b>4.1 General</b>		
1. Charcoal, activated	<b>1</b> <b>1</b>	powder tablet

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
2. Ipecacuanha	<b>2</b>	syrup containing 0.14% ipecacuanha alkaloids calculated as emetine
<b>4.2 Specific</b>		
1. Atropine sulfate	<b>2</b>	injection, 1mg in 1ml ampoule
2. Deferoxamine mesilate	<b>3</b>	powder for injection, 500mg in vial
3. Dimercaprol	<b>3</b>	injection in oil, 50mg/ml in 2ml ampoule
4. Methionine racemate	<b>1</b>	tablet 250mg
5. Methylthioninium chloride (methylene blue)	<b>3</b>	injection, 10mg/ml in 10ml ampoule
6. Naloxone hydrochloride	<b>3</b>	injection, 400µg in 1ml ampoule
7. Penicillamine	<b>3</b>	capsule or tablet, 250mg
8. Potassium ferrichexacyano ferrate (II), 2H <sub>2</sub> O (Prussian blue)	<b>3</b>	powder for oral administration
9. Sodium calcium edetate	<b>3</b>	injection, 200mg/ml in 5ml ampoule
10. Sodium nitrite	<b>3</b>	injection, 30mg/ml in 10ml ampoule
11. Sodium thiosulfate	<b>3</b>	injection, 250mg/ml in 50ml ampoule

Drug	Level of Use	Dosage form and Strength
<b>5. ANTIEPILEPTICS</b>		
1. Carbamazepine	3	tablet(scored), 100mg, 200mg tablet(chewable), 100mg, 200mg oral liquid: 100 mg/5 ml
2. Diazepam	2	injection, 5mg/ml in 2ml ampoule (i.v or rectal)
3. Ethosuximide	3 3	capsule or tablet, 250mg syrup, 250mg/5ml
4. Phenobarbitone	2 2 S	tablet, 15mg - 100mg elixir, 15mg/5ml injection, 200mg/ml
5. Phenytoin sodium	3 3	capsule or tablet, 25mg, 50 mg, 100mg injection, 50mg/ml in 5ml vial oral liquid: 25 mg to 30 mg/5 ml.
6. Valproic acid	3 3	enteric coated tablet, 200mg, 500mg (sodium salt) syrup, 200mg/5ml
7. Clonazepam	S	tablet, 500µg
8. Magnesium sulfate	3	injection, 500mg/ml in 2ml ampoule



Drug	Level of Use	Dosage form and Strength
<b>6. ANTI-INFECTIVE MEDICINES</b>		
<b>6.1 Anthelmintic Medicines</b>		
<b>6.1.1 Intestinal Anthelmintics</b>		
1. Albendazole	2	chewable tablet, 200mg, 400mg
	2	oral suspension, 200mg/5ml
2. Mebendazole	1	chewable tablet, 100mg
	1	elixir, 100mg/5ml
3. Niclosamide	1	chewable tablet, 500mg
4. Praziquantel	2	tablet, 150mg, 600mg
<b>6.1.2 Antifilarials</b>		
1. Diethylcarbamazine dihydrogen citrate	3	tablet, 50mg
2. Ivermectin	3	scored tablet, 3mg, 6mg
<b>6.1.3 Antischistosomes</b>		
1. Praziquantel	2	tablet, 600mg
<b>6.2 Antibacterials</b>		
<b>6.2.1 Penicillins</b>		
1. Amoxicillin (anhydrous)	1	capsule or tablet, 250mg, 500mg
	1	powder for oral suspension, 125mg/5ml

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
2. Ampicillin sodium	<b>3</b>	powder for injection, 500mg, 1gm in vial
3. Benzathine benzyl penicillin	<b>1</b>	powder for injection, 1.44g in 5ml vial (2.4 million IU) 720mg in 5ml vial (1.2million IU)
4. Benzyl penicillin as sodium or Potassium salt	<b>2</b>	powder for injection, 600mg (= 1 million IU), 3g (= 5 million IU), in vial
5. Cloxacillin sodium	<b>3</b>	powder for injection, 500mg in vial
6. Flucloxacillin sodium	<b>3</b> <b>3</b>	capsule, 250mg, 500mg powder for oral solution, 125mg/5ml
7. Phenoxymethyl penicillin potassium	<b>1</b> <b>1</b>	tablet, 250mg powder for oral suspension, 125mg/5ml, 1250mg/5ml
8. Piperacillin sodium	<b>S</b>	powder for injection, 1g, 2g in vial
9. Procaine benzyl penicillin	<b>1</b>	powder for injection, 1g (= 1million IU), 3g (= 3 million IU)
10. Amoxicillin + Clavulanic acid	<b>S</b>	tablet, 250mg + 125mg, 500mg + 125mg oral liquid: 125 mg amoxicillin + 31.25 mg clavulanic acid/5 ml and 250 mg amoxicillin + 62.5 mg clavulanic acid/5 ml.

Drug	Level of Use	Dosage form and Strength
<b>6.2.2 Other Antibacterials</b>		
1. Amikacin	S	injection, 50mg/ml, 250mg/ml in 2ml vial
2. Ceftazidime	3	powder for injection, 500mg in vial
3. Ceftriaxone	3	powder for injection, 250mg, 500mg, 1gm in vial
4. Chloramphenicol	2 2 3 3	capsule, 250mg oral suspension, 150mg/5ml (as palmitate) powder for injection, 1g in vial (as sodium succinate) oily suspension, 0.5g/2ml ampoule (as sodium succinate)
5. Ciprofloxacin hydrochloride	S	tablet, 250mg, 500mg oral liquid: 250mg/5ml solution for iv infusion: 2mg/ml
6. Clarithromycin	S	tablet, 250mg tablet, 500mg
7. Clindamycin phosphate	S	injection, 150mg/ml
8. Doxycycline hyclate	2	capsule or tablet, 50mg, 100mg

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
9. Erythromycin	<b>2</b>  <b>2</b>	tablet or capsule, 250mg (as stearate or ethyl succinate) powder for oral suspension, 125mg/5ml (as stearate or succinate)
10. Gentamicin sulfate	<b>3</b>	injection 10mg/ml, 40mg/ml in 2ml vial
11. Metronidazole	<b>1</b> <b>3</b> <b>3</b> <b>1</b>	tablet, 200-500mg injection, 500mg in 100ml vial suppository, 500mg, 1g oral suspension, 200mg/5ml (as benzoate)
12. Nalidixic acid	<b>3</b>	tablet, 250mg, 500mg
13. Nitrofurantoin	<b>2</b>	tablet, 50mg, 100mg
14. Spectinomycin hydrochloride	<b>2</b>	powder for injection 2g in vial
15. Sulfadiazine	<b>3</b>	tablet, 500mg
16. Sulfamethoxazole + trimethoprim	<b>1</b>  <b>1</b>	tablet, 100mg + 20mg, 400mg + 80mg, 800mg + 160mg oral suspension, 200mg + 40mg/5ml
<b>6.2.3 Antileprosy Medicines</b>		
1. Clofazimine	<b>3</b>	capsule, 50mg, 100mg
2. Dapsone	<b>3</b>	tablet, 25mg, 50mg, 100mg,
3. Rifampicin	<b>3</b>	capsule or tablet 100mg, 300mg

Drug	Level of Use	Dosage form and Strength
<b>6.2.4 Antituberculosis Medicines</b>		
1. Ethambutol hydrochloride	2	tablet, 100 - 400mg oral liquid, 25 mg/ml
2. Isoniazid	2 2	tablet, 100mg, 300mg oral solution, 50mg/5ml tablet (scored), 50 mg
3. Pyrazinamide	2	tablet, 400mg, 500mg oral liquid: 30 mg/ml tablet (scored or dispersible) 150 mg
4. Rifampicin	2 2 2	capsule or tablet, 150mg, 300mg oral solution, 100mg/5ml powder for i.v infusion, 300mg in vial
5. Streptomycin sulfate	2	powder for injection, 1g in vial
6. Rifampicin + Isoniazid	2	tablet, 30mg + 60mg, 60mg+60mg, 75mg + 150mg, 150mg + 150mg,
7. Rifampicin+isoniazide + pyrazinamide	2	tablet, 30mg + 60mg + 150mg 75mg +150mg + 400mg,
8. Isoniazide + ethambutol	2	tablet, 150mg + 400mg
9. Isoniazide + rifampicin+ pyrazinamide + ethambutol	2	tablet, 75mg + 150mg + 400mg + 275mg

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
10. Kanamycin	s	Vial, 1gm
11. Ofloxacin	s	Tablet, 200 mg, 400mg
12. Cycloserine	s	Tablet,250mg
13. Ethionamide	s	Tablet,125mg,250mg
<b>6.3 Antifungal Medicines</b>		
1. Amphotericin	<b>3</b>	powder for injection, 50mg in vial
2. Clotrimazole	<b>1</b>	vaginal tablet, 100mg, 500mg
3. Fluconazole	<b>3</b>	capsule, 50mg, 200mg
	<b>3</b>	oral suspension, 50mg/5ml
	<b>3</b>	injection, 2mg/ml in vial
4. Griseofulvin	<b>2</b>	capsule or tablet, 125mg, 250mg, 500mg oral liquid, 125 mg/5 ml.
5. Ketoconazole	<b>3</b>	tablet, 200mg
	<b>3</b>	oral suspension, 100mg/5ml
6. Nystatin	<b>1</b>	tablet, 500,000 IU
	<b>1</b>	pessary, 100,000 IU
<b>6.4 Antiprotozoal Medicines</b>		
<b>6.4.1 Antiamoebic &amp; Antigiardiasis Medicines</b>		
1. Diloxanide furoate	<b>1</b>	tablet, 500mg
2. Metronidazole	<b>1</b>	tablet, 200 - 500mg
	<b>3</b>	injection, 500mg in 100ml vial
	<b>1</b>	oral suspension, 200mg/5ml (as benzoate)
3. Tinidazole	<b>2</b>	tablet, 500mg

Drug	Level of Use	Dosage form and Strength
<b>6.4.2 Antileishmaniasis Medicines</b>		
1. Meglumine antimonate	3	injection, 30% in 5ml ampoule
2. Pentamidine isetionate	S	powder for injection, 200mg, 300mg in vial
3. Sodium stibogluconate	3	injection, 100mg/ml
<b>6.4.3 Antimalarial Medicines</b>		
<i>(a) For Curative Treatment</i>		
1. Amodiaquine	1	tablet, 153mg, 200mg(base)
2. Artesunate	2	tablet, 50mg, 100mg
3. Chloroquine	1 1 1	tablet, 100mg, 150mg (as phosphate or sulfate) syrup, 50mg/5ml (as phosphate or sulfate) injection, 40mg base/ml(as hydrochloride, phosphate or sulfate)
4. Doxycycline	2	capsule or tablet,50mg, 100mg
5. Mefloquine	3	tablet, 250mg (as hydrochloride)
6. Primaquine diphosphate	2	tablet, 7.5mg, 15mg
7. Quinine	2 2	tablet, 300mg (as sulfate or bisulfate) injection 300mg (as dihydrochloride) /ml in 2ml ampoule

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
8. Sulfadoxine + Pyrimethamine	1	tablet 500mg + 25mg
9. Artemether + lumefantrine.	2	Tablet, 20mg + 120mg
<b>(b) For Prophylaxis</b>		
1. Chloroquine	1 1	tablet, 100mg, 150mg (as phosphate or sulfate) syrup, 50mg (as phosphate or sulfate) /5ml
2. Proguanil hydrchloride	1	tablet, 100mg
<b>6.4.4 Antipneumocytocis and Antitoxoplasmosis Medicines</b>		
1. Sulfamethoxazole + trimethoprim	S S	tablet, 100mg + 20mg, 400mg + 80mg, 800mg + 160mg oral suspension 200mg + 40mg/5ml
2. Pentamidine isetionate	S S	tablet, 200mg, 300mg Powder for injection 200mg, 300mg in vial
<b>6.5 Antiviral Medicines</b>		
<b>6.5.1 Herpes and cytomegalovirus infections</b>		
1. Aciclovir	3 3 3	tablets, 200mg, 400mg, oral suspension, 200mg/5ml powder for injection, 250mg (as sodium salt)



Drug	Level of Use	Dosage form and Strength
<b>6.5.2 Antiretroviral Medicines</b>		
<b>6.5.2.1 Nucleoside Reverse Transcriptase Inhibitors</b>		
1. Abacavir	3	tablet, 300mg oral solution, 100mg/5ml
2. Didanosine	3	tablet, 25mg, 50mg, 100mg, 200mg
	3	oral solution, 100mg/sachet, 167mg/sachet, 250mg/sachet,
	3	enteric-coated capsules, 125mg; 200mg, 250mg, 400mg
3. Lamivudine	3	tablet, 150mg oral solution, 50mg/5ml
4. Stavudine + Lamivudine	3	tablet, Stavudine 30mg + Lamivudine 150mg;
5. Stavudine	3	capsules, 15mg, 20mg, 30mg, oral solution, 5mg/5ml
6. Zidovudine + Lamivudine	3	tablet, Zidovudine 300mg + Lamivudine 150mg
7. Zidovudine	3	tablet, 300mg capsules, 100mg; 250mg syrup, 50mg/5ml
<b>6.5.2.2 Non-Nucleoside Reverse Transcriptase Inhibitors</b>		
1. Efavirenz	3	capsules, 50mg, 100mg, 200mg, 600mg syrup, 30mg/ml

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
2. Nevirapine	3	tablet, 200mg oral suspension, 10mg/ml
3. Stavudine + Lamivudine + Nevirapine	3	tablet, Stavudine 30mg + Lamivudine 150mg + Nevirapine 200mg;
4. Tenofovir	5. 3	tablet,300mg
<b>6.5.2.3 Protease Inhibitors</b>		
1. Lopinavir + ritonavir	3	capsule, lopinavir 133.3mg + ritonavir 33.3mg oral solution lopinavir , 80mg/ml + ritonavir 20mg/ml
2. Ritonavir	3	capsule, 100mg, 200mg Oral liquid: 400 mg/5 ml.  Tablet (heat stable): 25 mg; 100 mg.
3. Saquinavir	3	capsule, 200mg
<b>6.6 Insect Repellents</b>		
1. Diethyltoluamide	1	topical solution, 50%, 75%
<b>7. ANTIMIGRAINE MEDICINES</b>		
<b>7.1 For Treatment of Acute Attack</b>		
1. Acetylsalicylic acid	1	tablet, 300mg, 500mg
2. Ergotamine tartrate	2	tablet, 2mg
3. Ergotamine tartrate + caffeine	2	tablet, 2mg + 100mg
4. Paracetamol	1	tablet, 300mg - 500mg

Drug	Level of Use	Dosage form and Strength
<b>8. ANTINEOPLASTIC AND IMMUNOSUPPRESSIVE MEDICINES</b>		
<b>8.1 Immunosuppressive Medicines</b>		
1. Azathioprine sodium	S S	tablet, 50mg powder for injection 100mg in vial
<b>8.2 Cytotoxic Medicines</b>		
1.L-asparaginase	S	powder for injection, 10000IU in vial
2.Bleomycin sulfate	S	powder for injection, 15mg in vial
3.Busulfan	S	tablet, 2mg
4.Carmustine	S	powder for injection, 100mg in vial
5.Chlorambucil	S	tablet, 2mg
6.Cytarabine	S	powder for injection, 100mg in vial
7.Doxorubicin hydrochloride	S	powder for injection, 10mg, 50mg in vial
8.Folinic acid	S S	scored tablet, 15mg injection, 3mg/ml
9.Thioguanil	S	tablet, 40mg
10.Fluorouracil	S	injection, 50mg/ml in 5ml ampoule
11.Hydroxyurea	S	capsule, 500mg
12.Mercaptopurine	S	tablet, 50mg

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
13.Methotrexate sodium	S S	tablet 2.5mg Powder for injection, 50mg in vial
14.Procarbazine hydrochloride	S	capsule, 50mg
15.Vinblastine sulphate	S	powder for injection, 10mg in vial
16.Vincristine sulfate	S	powder for injection, 1mg, 5mg in vial
<b>8.3 Hormones and Antihormones</b>		
1. Dexamethasone	S S	tablet, 500µg, 4mg injection 4mg in 1ml ampoule (as sodium phosphate) oral liquid: 2 mg/5 ml.
2. Ethinylestradiol	S	tablet, 50µg
3. Hydrocortisone	S S	scored tablet, 10mg injection, 100mg/ml
4. Prednisolone	S S	tablet, 5mg injection, 20mg, 25mg in vial (as sodium succinate) oral liquid: 5 mg/ml.
5. Tamoxifen citrate	S	tablet, 10mg, 20mg
<b>9. ANTIPARKINSONISM MEDICINES</b>		
1.Biperiden hydrochloride	3	injection, 5mg in 1ml ampoule (as lactate)
2.Levodopa + Carbidopa	3	tablet, 100mg + 10mg, 250 + 25mg
3. Benzhexol	3	tablet, 2mg, 5mg

Drug	Level of Use	Dosage form and Strength
<b>10. MEDICINES AFFECTING THE BLOOD</b>		
<b>10.1 Antianaemia Medicines</b>		
1. Ferrous salt	<b>1</b> <b>1</b>	tablet, equivalent to 60mg iron oral solution or syrup, equivalent to 25mg iron/ml (as sulfate)
2. Ferrous salt + Folic acid	<b>1</b>	tablet, 60mg + 400µg
3. Folic acid	<b>1</b> <b>3</b>	tablet, 1mg, 5mg injection, 1mg in 1ml ampoule (as sodium salt)
4. Hydroxocobalamine	<b>3</b>	injection, 1mg in 1ml ampoule
5. Iron dextran	<b>3</b>	injection, equivalent to 50mg iron/ml in 2ml ampoule
<b>10.2 Anticoagulants and Antagonists</b>		
1. Heparin	<b>3</b>	injection, 1000 IU/ml, 5000 IU/ml, 20000 IU/ml in 1ml ampoule
2. Phytomenadione	<b>2</b>	injection, 10mg/ml in 5ml ampoule
3. Protamine sulfate	<b>3</b>	injection, 10mg/ml in 5ml ampoule
4. Warfarin sodium	<b>S</b>	tablet, 1mg, 2mg, 5mg

Drug	Level of Use	Dosage form and Strength
<b>11. BLOOD PRODUCTS AND PLASMA SUBSTITUTES</b>		
<b>11.1 Plasma Substitutes</b>		
1. Dextran	3	injectable solution, 6%
2. Polygeline	3	injectable solution, 3.5-4%
<b>11.2 Plasma Fractions for Specific Uses</b>		
1. Albumin, human	3	injectable solution, 5%, 25%
2. Factor VIII concentrate	S	dried
3. Factor IX complex concentrate	S	dried (coagulation factor II, IX, X)
4. Human plasma protein fraction	3	injectable solution, 4-5% isotonic solution
<b>12. CARDIOVASCULAR MEDICINES</b>		
<b>12.1 Antianginal Medicines</b>		
1. Glyceryl trinitrate	3	tablet, (sublingual), 500µg
2. Isosorbide dinitrate	3	tablet, (sublingual), 5mg, 10mg
3. Nifedipine	3	capsule or tablet, 5-20mg
4. Propranolol hydrochloride	3 3	tablet, 10mg, 40mg injection, 1mg in 1ml ampoule
5. Atenolol	3	tablet, 25mg, 50mg

Drug	Level of Use	Dosage form and Strength
<b>12.2 Antidysrhythmic Medicines</b>		
1. Propranolol hydrochloride	3 3	tablet, 10mg, 40mg injection, 1mg in 1ml ampoule
2. Quinidine sulfate	S	tablet, 200mg
3. Verapamil hydrochloride	3 3	tablet, 40mg, 80mg injection, 2.5mg/ml in 2ml ampoule
4. Procainamide	S	injection, 100mg/ml in 10ml vial
5. Lidocaine	S	injection, 1%, 2% in vial
<b>12.3 Antihypertensive Medicines</b>		
1. Captopril	3	scored tablet, 25mg
2. Hydralazine hydrochloride	3 3	tablet, 25mg, 50mg powder for injection, 20mg in ampoule
3. Hydrochlorothiazide	2	tablet, 25mg
4. Methyldopa	3	tablet, 250mg
5. Nifedipine	3	capsule or tablet, 5-20mg
6. Amlodipine	3	Tablet, 5mg, 10mg
7. Propranolol hydrochloride	3	tablet, 20mg, 40mg
8. Enalapril	3	tablet 2.5mg, 5mg, 10mg
9. Labetalol	3	injection, 5mg/ml ampoule
10. Reserpine	3 3	tablet, 100µg, 250µg injection, 1mg in 1ml ampoule

Drug	Level of Use	Dosage form and Strength
<b>12.4 Cardiac Glycosides</b>		
1. Digoxin	2 3 3	tablet, 62.5µg, 250µg oral solution, 50µg/ml injection, 250µg/ml in 2ml ampoule
<b>12.5 Medicines Used In Vascular Shock</b>		
1. Dopamine hydrochloride	S	injection, 40mg/ml, 160mg/ml in 5ml ampoules
2. Dobutamine	S	injection, 50mg/ml in 5ml vial
<b>12.6 Antithrombotic Medicines</b>		
1. Acetylsalicylic acid	3	tablet, 100mg
<b>12.7 Lipid-lowering medicines</b>		
1. Atorvastatin	S	tablet, 10mg, 20mg, 40mg
2. Simvastatin	3	tablet, 10mg, 40mg
<b>13. DERMATOLOGICAL MEDICINES</b>		
<b>13.1 Antifungal Medicines (Topical)</b>		
1. Benzoic acid + salicylic acid	1	ointment/cream, 6% + 3%
2. Clotrimazole	1	ointment/cream, 1%
3. Nystatin	2	ointment/cream, 100,000 IU/g
4. Selenium sulfide	1	shampoo, 2%
5. Miconazole	1	ointment/cream, 2%
6. Ketoconazole cream	2	cream 2%
7. Aciclovir	3	cream 5%



Drug	Level of Use	Dosage form and Strength
<b>13.2 Anti-Infective Medicines</b>		
1. Methylrosanilinium chloride (gentian violet)	<b>1</b> <b>1</b>	aqueous solution, 0.5% tincture, 0.5%
2. Neomycin sulfate + Bacitracin zinc	<b>1</b>	ointment, 5mg neomycin sulfate + 500 IU bacitracin zinc/g
3. Silver sulfadiazine	<b>2</b>	cream, 1% in 500g container
<b>13.3 Anti-Inflammatory and Antipruritic Medicines</b>		
1. Betamethasone valerate	<b>3</b>	ointment/cream, 0.1%
2. Calamine lotion	<b>1</b>	lotion
3. Hydrocortisone acetate	<b>2</b>	ointment/cream, 1%
<b>13.4 Astringent Medicines</b>		
1. Aluminium diacetate	<b>3</b>	solution, 13% for dilution
<b>13.5 Keratoplastic and Keratolytic Agents</b>		
1. Benzoyl peroxide	<b>3</b>	lotion or cream, 5% gel, 3%, 5%, 10%
2. Coal tar	<b>2</b>	solution, topical 5%
3. Dithranol	<b>2</b>	ointment, 0.1 – 2%
4. Fluorouracil	<b>S</b>	ointment, 5%
5. Ichthammol	<b>1</b>	ointment, 10%
6. Isotretinoin	<b>S</b>	gel, 0.05%
7. Podophyllum resin	<b>3</b>	solution, topical 10 – 25%
8. Salicylic acid	<b>1</b>	solution, topical 5%
<b>13.6 Scabicides and Pediculicides</b>		
1. Benzyl benzoate	<b>1</b>	lotion, 25%

Drug	Level of Use	Dosage form and Strength
2. Permethrin	2	lotion, 1% Cream: 5%.
<b>14. DIAGNOSTIC AGENTS</b>		
<b>14.1 Ophthalmic Medicines</b>		
1. Fluorescein sodium	3	strip
2. Tropicamide	S	eye drops, 0.5%
3. Rose Bengal	S	eye drops, 1%
4. Schirmers' test	S	paper
<b>14.2 Radiocontrast Media</b>		
1. Amidotrizoate sodium or meglumine salt	3	injection, 140-420mg iodine/ml in 20ml ampoule
2. Barium sulfate	3	aqueous suspension
3. Gadopentate dimeglumine	3 3	oral solution 9.38mg/ml injection, 469.01mg/ml in 5-20ml vials
4. Propylidone	3 3	aqueous suspension, 500 – 600mg/ml in 20mlampoule oily suspension, 500 – 600mg/ml in 20mlampoule
5. Dioxate meglumine	3	injectable solution, 5-8g iodine in 100-250ml
6. Iohexol	3	injectable solution, 140–350mg iodine per ml
7. Iopamidol	3	injectable solution, 128–370mg iodine per ml
8. Iopromide	3	injectable solution, 150–370mg iodine per ml

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
9. Iotrolan	<b>3</b>	injectable solution, 240–300mg iodine per ml
<b>15. DISINFECTANTS AND ANTISEPTICS</b>		
1. Calcuim hypochlorite	<b>1</b>	powder for solution (70% available chlorine)
2. Chlorhexidine digluconate	<b>1</b>	solution, 5% for dilution
3. Formaldehyde	<b>2</b>	solution, 40%
4. Glutaraldehyde	<b>3</b>	solution, 2%
5. Hydrogen peroxide	<b>1</b>	solution, 3%
6. Iodine	<b>1</b>	solution, 2.5%
7. Potassium permanganate	<b>1</b>	tablet, 300mg
8. Alcohol Denatured	<b>1</b>	solution
9. Chlorhexidine+ Cetrime	<b>1</b>	solution, 0.015% + 0.15%
<b>16. DIURETICS</b>		
1. Furosemide	<b>3</b> <b>3</b>	tablet, 10mg, 20mg, 40mg injection, 10mg/ml in 2ml ampoule oral liquid: 20mg/5ml
2. Hydrochlorothiazide	<b>2</b>	tablet, 25mg, 50mg
3. Mannitol	<b>3</b>	injectable solution, 10%, 20%
4. Spironolactone	<b>3</b>	tablet, 25mg oral liquid: 5mg/5ml, 10mg/5ml and 25mg/5ml

Drug	Level of Use	Dosage form and Strength
<b>17. EAR NOSE AND THROAT PREPARATIONS</b>		
<b>17.1 Ear Preparations</b>		
1. Chloramphenicol	2	ear drops, 5%, 10%
2. Polymixin + Neomycin	3	ear drops, 10000 IU + 0.5%
3. Polymixin + Neomycin + Hydrocortisone	S	ear drops, 10000 IU + 0.5% + 1%
4. Salicylic acid	2	ear drops 2%
5. Boric acid	2	ear drops 2.75%
6. Hydrocortisone + PolymixinB + Oxytetracycline	S	eye/ear drop, 15mg + 10000-units +5mg
7. Nystatin	1	ear drops
<b>17.2 Nose Preparations</b>		
1. Xylometazoline Hydrochloride	2	nasal drops, 0.05%, 0.1%
2. Beclomethasone dipropionate	3	nasal spray, 50micrometer per metered spray
<b>18. GASTROINTESTINAL MEDICINES</b>		
<b>18.1 Antacid and Other Antiulcer Medicines</b>		
1. Aluminium hydroxide	1 1	tablet, 500mg oral suspension, 320mg/5ml
2. Aluminium hydroxide + Magnesium hydroxide	2 2	tablet, 220mg + 195mg oral suspension, 220mg + 195mg/5ml

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
3. Cimetidine	3	injection, 100mg/ml in 2ml ampoule
	3	tablet, 200mg, 400mg
4. Famotidine	2	tablet, 20mg, 40mg,
5. Magnesium hydroxide	2	oral suspension, equivalent to 550mg magnesium oxide/10ml
6. Omeprazole	3	Tablet/capsule, 20mg
		Powder for oral liquid: 20 mg, 40 mg sachets.
7. Ranitidine hydrochloride	1	tablet, 150 - 300mg
		oral liquid, 75 mg/5 ml
<b>18.2 Antiemetic Medicines</b>		
1. Hyoscine hydrobromide	2	tablet, 300µg
	2	injection, 400µg/ml in 1ml ampoule
2. Meclozine HCl + Pyridoxine HCl	2	tablet, 25mg + 50mg
3. Metoclopramide hydrochloride	1	tablet, 10mg
	1	injection, 5mg/ml in 2ml ampoule
		syrup, 5mg/5ml
4. Promethazine hydrochloride	2	tablet, 10mg, 25mg
	2	elixir or syrup, 5mg/5ml
	2	injection, 25mg/ml in 2ml ampoule

Drug	Level of Use	Dosage form and Strength
<b>18.3 Antihaemorrhoidal Medicines</b>		
1. Antihaemorrhoidal preparation	2	ointment or suppository (containing anaesthetic, astringent and anti-inflammatory medicine)
<b>18.4 Anti-Inflammatory Medicines</b>		
1. Hydrocortisone acetate	3	suppository, 25mg
2. Sulfasalazine	3	tablet, 500mg
<b>18.5 Antispasmodic Medicines</b>		
1. Dicyclomine HCl	1	tablet, 10mg
	2	injection, 20mg/ml
	2	syrup 10mg/5ml
2. Hyoscine butylbromide	1	tablet, 10mg
	2	injection, 20mg/ml in 1ml ampoule
<b>18.6 Cathartic Medicines</b>		
1. Bisacodyl	1	tablet, 5mg
	1	suppositories, 10mg, (paediatric, 5mg)
2. Glycerol	1	suppositories, 140mg, 700mg
3. Lactulose	3	Solution, 3.1-3.7mg/5ml
4. Magnesium sulfate	3	sachet
5. Senna	1	tablet, 7.5mg
6. Sodium phosphate rectal	3	suppositories, 1.72g

Drug	Level of Use	Dosage form and Strength
<b>18.7 Medicines Used In Diarrhoea</b>		
1. Oral Rehydration Salts	1	powder, 20.5 g/l Sodium chloride 2.6 g/l Trisodium citrate 2.9 g/l Potassium chloride 1.5 g/l Glucose 13.5 g/l
zinc sulfate	1	tablet, 10mg, 20mg per unit dosage form
	1	syrup 10mg per unit dosage form
<b>18.7.1 Antidiarrhoeal (Symptomatic) Medicines</b>		
1. Codeine phosphate	3	tablet, 30mg
2. Loperamide	2	capsule or tablet, 2mg
<b>19. HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES</b>		
<b>19.1 Adrenal Hormones and Synthetic Substitutes</b>		
1. Dexamethasone sodium phosphate	3	tablet, 500µg, 4mg
	3	injection, 4mg in 1ml ampoule
2. Fludrocortisone	S	tablet, 100µg
3. Hydrocortisone sodium succinate	3	powder for injection, 100mg in vial
4. Methyl prednisolone acetate	3	injection, 40mg/ml in vial
5. Prednisolone	3	tablet, 1mg, 5mg

Drug	Level of Use	Dosage form and Strength
<b>19.2 Androgens</b>		
1. Testosterone enantate	3	injection, 200mg in 1ml ampoule
2. Mesterolone	S	tablet, 25mg
3. Danazol	3	capsule, 200mg
<b>19.3 Contraceptives</b>		
<b>19.3.1 Hormonal Contraceptives</b>		
1. Ethinylestradiol + Levonorgestrel	1	tablet, 30µg + 150µg, 30µg + 250µg
2. Ethinylestradiol + Norethisterone	1	tablet, 35µg + 1mg
3. Depot medroxy-progesterone- acetate	2	injection, 150mg/ml in 1ml vial, 50mg/ml in 3ml vial
4. Norethisterone	3	tablet, 350µg
5. Norethisterone-enantate	3	oily solution, 200mg/ml in 1ml ampoule
6. Levonorgestrel releasing implant	3	implant capsule, 38mg/implant capsule
7. Norgestrel	3	tablet, 75µg
8. Lynoestrenol	3	tablet, 500µg
<b>19.3.2 Intrauterine Device</b>		
1. Copper containing device	2	



Drug	Level of Use	Dosage form and Strength
<b>19.3.3 Barrier Methods</b>		
1. Condoms with or without spermicide (nonoxinol)	1	
2. Diaphragm with spermicide (nonoxinol)	2	
3. Female condoms	1	
<b>19.4 Estrogens</b>		
1. Ethinylestradiol	3	tablet, 10µg, 50µg
2. Conjugated estrogens	S	tablet, 0.3mg, 0.625mg, 0.9mg, 1.25mg, 2.5mg
3. Estradiol valerate	S	tablet, 2mg
<b>19.5 Insulins and Other Antidiabetic Agents</b>		
1. Insulin (soluble/normal)	2	injection, 100 IU/ml in 10ml vial
2. Intermediate acting insulin (as compound insulin zinc suspension or isophane insulin/lente)	2	injection, 100 IU/ml in 10ml vial
3. Biphasic Isophane insulin	2	injection, 30% soluble+70% isophane 100 IU/ml in 10ml vial
4. Glibenclamide	2	scored tablet, 5mg
5. Metformin Hydrochloride	3	tablet, 500mg
6. Glimipride	3	Tablet, 1, 2, 3, 4mg

Drug	Level of Use	Dosage form and Strength
<b>19.6 Ovulation Inducers</b>		
1. Clomifene citrate	3	tablet, 50mg
2. Bromocriptine	S	tablet, 2.5mg
3. Human Chorionic Gonadotropin	S	injection, 1000-5000 unit/amp
<b>19.7 Progestogens</b>		
1. Norethisterone	3	tablet, 5mg
2. Medroxyprogesterone hexanoate	3 3	tablet, 5mg oily injection, 250mg/ml ampoule
<b>19.8 Thyroid Hormones and Antithyroid Medicines</b>		
1. Levothyroxine sodium	S	tablet, 50µg, 100µg
2. Aqueous iodine solution (Lugol's solution)	3	oral solution, total iodine 130mg/ml
3. Propylthiouracil	3	tablet, 50mg
<b>19.9 Medicines for Erectile Dysfunction</b>		
1. Testosterone enantate	3	injection, 200mg in 1ml ampoule
2. Sildenafil	3	tablet, 25mg, 50mg
<b>20. IMMUNOLOGICALS</b>		
<b>20.1 Diagnostic Agents</b>		
1. Tuberculin, purified protein derivative PPD	S	injection

Drug	Level of Use	Dosage form and Strength
<b>20.2 Sera and Immunoglobulins</b>		
1. Anti-D immunoglobulin (Human)	3	injection, 250µg-300µg in single dose vial
2. Antiscorpion sera	1	injection
3. Antitetanus immunoglobulin (Human)	3	injection, 500IU in vial
4. Antivenom sera	1	injection
5. Diphtheria antitoxin	3	injection, 10,000IU, 20,000IU in vial
6. Immunoglobulin, human normal	3	injection
7. Rabies immunoglobulin	3	injection, 150IU/ml in vial
8. Tetanus antitoxin (equine)	1	injection, 5,000IU in vial
<b>20.3 Vaccines</b>		
<b>20.3.1 For Universal Immunization</b>		
1. BCG vaccine (dried)	1	injection
2. Diphtheria-pertussis-tetanus vaccine	1	injection
3. Diphtheria- tetanus vaccine	1	injection
4. Measles-Mumps-rubella vaccine	1	injection
5. Measles vaccine	1	injection

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
6. Poliomyelitis vaccine (inactivated)	<b>1</b>	injection
7. Poliomyelitis vaccine (live attenuated)	<b>1</b>	oral solution
8. Tetanus vaccine	<b>1</b>	injection
<b>20.3.2 For Specific Groups of Individuals</b>		
1. Hepatitis B Vaccine	<b>S</b>	injection
2. Meningococcal vaccine	<b>3</b>	injection
3. Rabies vaccine	<b>3</b>	injection
4. Rubella vaccine	<b>3</b>	injection
5. Typhoid vaccine	<b>3</b>	injection
6. Yellow fever vaccine	<b>S</b>	injection
<b>21. MUSCLE RELAXANTS (PERIPHERAL) AND CHOLINESTERASE INHIBITORS</b>		
1. Atracurium	<b>S</b>	injection, 10mg/ml in 2.5ml, 5ml ampoule
2. Neostigmine-bromide	<b>3</b> <b>3</b>	tablet, 15mg injection, 500µg, 2.5mg in 1ml ampoule (as metilsulfate)
3. Pancuronium bromide	<b>3</b>	injection, 2mg/ml in 2ml ampoule
4. Suxamethonium chloride	<b>3</b>	injection, 50mg/ml in 2ml ampoule
5. Vecuronium bromide	<b>3</b>	powder for injection, 10mg in vial

Drug	Level of Use	Dosage form and Strength
<b>22. OPHTHALMOLOGICAL PREPARATIONS</b>		
<b>22.1 Anti-Infective Agents</b>		
1. Gentamicin	3	solution (eye drops), 0.3%
2. Trifluridine	S	solution (eye drops), 1%,
3. Aciclovir	3	solution (eye drops), 3%
4. Tetracycline hydrochloride	1	eye ointment, 1%
5. Chloramphenicol	2 2	solution (eye drops), 0.5% eye ointment, 1%
6. Natamycin	S	solution (eye drops), 5%
7. Ofloxacin	3	solution (eye drops), 0.3%
8. Dorzolamide + timolol	S	drop, 2% + 0.5%
9. Ciprofloxacin	S	drop, 0.3%
10. Latanoprost	S	drop, 0.005%
11. Azithromycin	S	capsule 250mg syrup, 200mg/5ml
<b>22.2 Anti-Inflammatory Agents</b>		
1. Prednisolone	3	solution (eye drops), 0.5% as sodium phosphate, 1% as acetate
2. Dexamethasone	3	solution (eye drops), 0.05-0.1%
3. Hydrocortisone acetate	3	eye ointment, 1%
4. Hydrocortisone + Polymixin B + Oxytetracycline	S	eye/ear drop, 15mg + 10000-units +5mg
5. Methylprednisolone acetate	S	injection, 40mg/ml vial

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
6. Lodoxamide	<b>3</b>	eye drop, 0.1%
7. Diclofenac sodium	<b>3</b>	eye drop, 0.1%
<b>22.3 Local Anaesthetics</b>		
1. Tetracaine hydrochloride	<b>3</b>	solution (eye drop), 0.5%
<b>22.4 Miotics and Antiglaucoma Medicines</b>		
1. Acetazolamide	<b>3</b>	tablet, 250mg
	<b>3</b>	powder for injection
2. Betaxolol Hydrochloride	<b>S</b>	solution (eye drops) 0.5%
3. Dorzolamide	<b>S</b>	solution (eye drops) 2%
4. Pilocarpine hydrochloride or nitrate	<b>3</b>	solution (eye drops), 2%, 4%
5. Timolol maleate	<b>S</b>	solution (eye drops) 0.25%, 0.5%
<b>22.5 Mydriatics</b>		
1. Atropine sulfate	<b>3</b>	solution (eye drops), 0.1%, 0.5%, 1%
2. Homatropine hydrobromide	<b>S</b>	solution (eye drops), 2%
3. Phenylephrine	<b>3</b>	solution (eye drops), 2.5%, 10%
<b>22.6 Miscellaneous Ophthalmic Preparations</b>		
1. Naphazoline HCl	<b>3</b>	solution (eye drops), 0.05%

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
2. Naphazoline Hydrochloride + Antazoline phosphate	<b>3</b>	solution (eye drops), 0.05% + 0.5%
3. Hydroxy methylcellulose	<b>S</b>	injection, 0.3% - 2%
4. Acetylcholine Cl + Mannitol 3%	<b>S</b>	powder for injection
5. Methyl cellulose	<b>S</b>	eye drop, 0.5 - 1%
6. Diclofenac sodium	<b>S</b>	eye drop, 0.1%
<b>23. OXYTOCICS and ANTIOXYTOCICS</b>		
<b>23.1 Oxytocics</b>		
1. Ergometrine hydrogen maleate	<b>1</b> <b>1</b>	tablet, 200µg, 500µg injection, 200µg in 1ml ampoule
2. Oxytocin	<b>1</b>	injection, 5IU/ml, 10IU/ml ampoule
3. Prostaglandin E <sub>1</sub> (Misoprostol)	<b>3</b>	Tablet, 25mcg, 200mcg
<b>23.2 Antioxytocics</b>		
1. Salbutamol sulfate	<b>2</b> <b>S</b>	tablet, 2mg, 4mg injection, 50µg in 5ml ampoule
<b>24. PERITONEAL DIALYSIS SOLUTION</b>		
1. Intraperitoneal dialysis parenteral solution	<b>S</b>	appropriate composition (of necessary ingredients)
2. Glycine	<b>S</b>	irrigation solution, 1.5% in water for injection

Drug	Level of Use	Dosage form and Strength
<b>25. PSYCHOTHERAPEUTIC MEDICINES</b>		
1. Amitriptyline hydrochloride	3	tablet, 25mg, 50mg, 75mg
2. Caffeine Citrate	S	
3. Chlorpromazine hydrochloride	3 3 3	tablet, 25mg, 100mg syrup, 25mg/5ml injection, 25mg/ml in 2ml ampoule
4. Diazepam	2	scored tablet, 2mg, 5mg
5. Fluoxetine	3 3	capsule, 20mg, 60mg liquid(as hydrochloride), 20mg/5ml
6. Fluphenazine decanoate or enantate	3	injection, 25mg in 1ml ampoule
7. Haloperidol	3 3 3	tablet, 2mg, 5mg oral liquid, 2mg/5ml, 10mg/5ml injection, 5mg/ml in 2ml ampoule
8. Lithium carbonate	3 3	capsule or tablet, 300mg injection, 5mg in 1ml ampoule
9. Thioridazine	3	tablet, 25mg, 100mg



Drug	Level of Use	Dosage form and Strength
<b>26. MEDICINES ACTING ON THE RESPIRATORY TRACT</b>		
<b>26.1 Antiasthmatic Medicines</b>		
1. Aminophylline	<b>1</b> <b>1</b>	tablet, 100mg, 200mg injection, 25mg/ml in 10ml ampoule
2. Beclomethasone dipropionate	<b>3</b>	inhalation (aerosol), 50µg per dose
3. Cromoglicic acid (sodium)	<b>3</b>	inhalation, (aerosol), per dose
4. Epinephrine hydrochloride	<b>2</b>	injection, 1mg in 1ml ampoule
5. Salbutamol sulfate	<b>1</b> <b>2</b> <b>2</b> <b>3</b> <b>3</b>	tablet, 2mg, 4mg syrup, 2mg/5ml inhalation (aerosol), 100µg per dose Nebuliser solution, 5mg/ml as sulfate injection, 50µg/ml in 5ml ampoule
6. Ephedrine hydrochloride	<b>1</b> <b>2</b> <b>3</b>	tablet, 30mg elixir, 15mg/5ml injection, 50mg in 1ml ampoule (as sulfate)

Drug	Level of Use	Dosage form and Strength
<b>26.2 Antitussives</b>		
1. chlorphenamine Maleate, pseudoephedrine hydrochloride and Paracetamol	2	
2. Citric acid monohydrate (Simple linctus)	1	pediatric syrup, 0.625%
3. Codeine phosphate	1	linctus, 15mg/5ml
4. Dextromethorphan	1	tablet, 15mg
	1	syrup, 15mg/5ml
<b>26.3 Respiratory stimulant and pulmonary surfactants</b>		
1 Beractant	S	Suspension, 25mg/ml
<b>26.4 Mucolytic medicines</b>		
1. Bromohexine	2	Syrup 4mg/5ml (as Hydrochloride)
<b>27. SOLUTIONS CORRECTING WATER, ELECTROLYTE AND ACID BASE DISTURBANCES</b>		
<b>27.1 Oral Rehydration</b>		
1. Oral rehydration salts (for glucose electrolyte solution)	1	powder, 20.5 g/l Sodium chloride 2.6 g/l Trisodium citrate 2.9 g/l Potassium chloride 1.5 g/l Glucose 13.5 g/l

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
2. Potassium chloride	2 2 3	powder for solution tablet, 250mg, 600mg injectable solution, 11.2% ampoule
3. Zinc sulphate	1 1	tablet, 20mg, 125mg syrup
<b>27.2 Parenteral</b>		
1. Ringer Lactate	1	injectable solution
2. Glucose	1	injectable solution, 5% isotonic, 50% hypertonic
3. Glucose with sodium chloride	1	injectable solution, 4% glucose + 0.18% sodium chloride (30mmol/l sodium solution)
4. Potassium chloride	3	injectable solution, 1.5mmol/ in 20ml ampoule
5. Sodium bicarbonate	3	injectable solution, 1.4% isotonic (167mmol/l solution) 8.4% solution in 10ml ampoule (1mol/l solution)
6. Sodium chloride	1  2	injectable solution, 0.9% isotonic (154 mmol/l solution) injectable solution, 2.5%, 3% hypertonic in ampoules
<b>27.3 Miscellaneous</b>		
1. Water for injection	1	2ml, 5ml, 10ml ampoule

Drug	Level of Use	Dosage form and Strength
<b>28. VITAMINS AND MINERALS</b>		
1. Ascorbic acid	1 3	tablet, 50mg, 250mg injection 100mg/ml ampoule
2. Calcium gluconate	2 3	tablet, 300g, 600g injection 10% in ampoule
3. Ergocalciferol	2  2  3	capsule or tablet, 1.25mg (50,000IU) oral solution, 250mcg/ml (10,000IU/ml) injection 7.5mg(300000units) in ampoule
4. Pyridoxine hydrochloride	2 2	tablet, 25mg, 50mg injection, 100mg/ml
5. Retinol (as palmitate)	1  1 2 3	sugar coated tablet, 10,000IU (5.5mg) capsule, 200,000IU (110mg) oral oily solution, 100,000IU per ml in multidose dispenser water miscible injection 100,000IU (55mg) in 2ml ampoule
6. Thiamine hydrochloride	2 3	tablet, 50mg injection, 100mg/ml
7. Vitamin B complex	1 1 3	tablet syrup injection
8. Vitamin B1, B6 and B12	3	injection
9. Multivitamin	1 1	tablet syrup

<b>Drug</b>	<b>Level of Use</b>	<b>Dosage form and Strength</b>
10. ORS + Minerals	<b>1</b>	oral solution
11. Iodine	1	Capsule: 200 mg. Iodized oil: 0.5 ml (240 mg iodine) in ampoule (oral or injectable); 0.57 ml (308 mg iodine) in dispenser bottle; 1 ml (480 mg iodine).
12. Riboflavin	1	Tablet: 5 mg.
13. Sodium fluoride	1	In any appropriate topical formulation.









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- **Bold face** type indicates a medicine as is shown in the medicine list.
- Equal sign indicates that both names are generic
- Brand names which are commonly used in Eritrea are included in the index to assist prescribers in the national change-over to generic names

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