

Essential Drugs List for Uganda (EDLU) 2001

The National Drug Authority



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Foreword

It is my pleasure to present this revised and updated Essential Drugs list for Uganda (EDLU) 2001 to all prescribing and dispensing staff, and to other health professionals handling medicines in Uganda.

This 3rd edition of EDLU has been produced in order to take account of the various changes which have taken place in therapeutic practice over the 5 year period since the last edition.

Essential drugs are those which satisfy the needs of the majority of the population and should therefore always be available in adequate amounts and appropriate dose forms. EDLU lists those essential drugs considered to be the most appropriate for use in the Uganda public health system. It is also strongly recommended as a rational basis for private sector prescribing.

In order to ensure that the correct decision is taken on whether to include a particular item or not, consideration must be made of a number of key criteria including:

- **Efficacy:** the capacity of the medicine effectively to treat the diagnosed condition
- **Safety:** the therapeutic index of the drug (ratio of treatment dose to toxic dose) and

the nature, frequency and severity of expected side-effects

➤ **Quality:** compliance of the drug presentation with internationally accepted standards of purity, composition, and consistency

➤ **Cost-effectiveness:** considered in terms of available and effective alternative medicines or dose-forms

➤ **Appropriateness:** the overall suitability of the medicine within the local context taking account of various factors including:

- Changing morbidity patterns
- Stability in storage
- Likely compliance with dose regime
- Development of resistance
- Type of dose form/method of administration
- Socio-economic factors

In preparing the new EDLU, these criteria have been carefully considered by the Committee on Essential Drugs (CED), assisted as required by experts in the various medical specialities.

Drug lists by their very nature are subject to rapid obsolescence due to ever-changing therapeutic requirements for the treatment of conditions found in Uganda. A good example of this is the treatment of malaria which has had to be revised recently to take account of rapidly developing resistance to previous first-line medication.

Thus the list should be subject to constant scrutiny and updated accordingly. This process is highly dependent on the input of clinicians in the field who should therefore continuously assess the appropriateness of the selected medicines for treating the conditions encountered. Clinicians are encouraged to submit proposals for amendments to EDLU following the procedures given in the Preface.

The EDLU is a guide for drug selection and level of distribution and is meant to be used together with the National Standard Clinical Guidelines (NSCG) which give practical guidance on diagnosis and appropriate therapeutic approaches. Both publications are also useful resource materials for training in all aspects of rational drug use.

I wish to thank the Chairman and members of the National Drug Authority Committee on Essential Drugs for the time and effort they have put into the production of this excellent and vital document.

It is my sincere hope that routine use of the EDLU in combination with the NSCG by all levels of prescriber in their daily work will greatly assist in ensuring that patients receive optimum treatment of their health problems at all times.

However this will only be possible if adequate quantities of the recommended drugs are constantly available for utilisation at the appropriate level of health unit.

The Ministry of Health is therefore committed to improving accessibility to required essential drugs through active implementation of the new *National Drug Policy* which aims *inter alia* at securing adequate funding of essential drugs procurement and improved management of the drug supply system at all levels.

*Dr C W C B Kiyonga MP
Hon. Minister of Health*

Preface and Acknowledgements

1. Background to EDLU 2001

The first and second editions of EDLU were produced in 1991 and 1996 respectively. As with these previous editions which it now supersedes, this new EDLU 2001 is produced with the aim of assisting in making *accessible and affordable* to the majority of the population those drugs which are necessary for the prevention and treatment of common health problems in the country.

The EDLU lists those essential drugs considered to be most suitable for current use in Uganda. The current WHO model list (11th revision December 1999) was used as a basis for EDLU and modified to suit the requirements of Uganda according to the criteria given in the Foreword by the Honourable Minister of Health, and taking into account available resources and currently applicable clinical practice.

According to the *National Drug Policy* the EDLU is a 'primary drug management tool at all levels of the health system' and is intended to 'to strengthen and harmonise the essential drugs selection process at national and district levels for both public and private sectors'. The EDLU should be used 'as a basis for procurement, prescribing and dispensing in the public health system and its use promoted in the private (profit and non-profit) sector'.

Thus it is important to stress that, although the list is designed primarily for public sector use, it is *equally appropriate for private sector prescribers* who are strongly encouraged to select EDLU drugs whenever possible. Numerous changes have been made to EDLU to bring it into line with currently accepted therapeutic requirements. These are summarised on pages xix-xxvi.

2. Amendment of EDLU 2001

As stated in the Foreword, the EDLU will be subject to constant review and revision. All clinicians should therefore fully familiarise themselves with the contents of the EDLU and continuously evaluate its relevance and appropriateness to their daily work.

Proposals for amendments to EDLU, together with supporting arguments and any available relevant literature, should be forwarded in writing to:

*The Chairman
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According to the *National Drug Policy*, the EDLU is supposed to be revised at least every three years, thus the next edition should be produced by 2004.

In the meantime, any proposals will be discussed by the Committee on Essential Drugs. Agreed amendments to the list will be notified to all prescribers through Ministry of Health circulars as appropriate.

3. Acknowledgements

Preparation of this vital publication would not have been possible without the dedication and hard work of my fellow contributing members of the Committee on Essential Drugs who are listed on pages xv-xvi and without the invaluable contributions of the key clinical specialists listed on page xvii. I wish to express my sincere thanks to them all for their time and efforts.

I am also greatly indebted to the Chairman and Executive Secretary / Registrar of NDA for facilitating the completion of this work through the provision of a most suitable and supportive working environment and to the NDA Secretariat staff for their continuous technical and administrative support.

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Presentation of Information

1. General

Drug names: the relevant International Non-proprietary Name (INN) or generic name are used throughout the list. According to the National Drug Policy and Authority Statute 1993 sec 12 generic names shall be used for prescribing and labelling (ie. including dispensing) of drugs, except where no such generic or suitable alternative non-proprietary name exists.

Order of sections: drugs are arranged in alphabetical order by pharmacological / therapeutic groups following the same basic arrangement as the WHO Model List of Essential Drugs with the addition of two additional sections: 28: Ear, Nose and Oropharyngeal Preparations and 29: Drugs for Neurosurgical Use.

2. Level of Use

For each item the lowest level of health care facility at which the item may be used is indicated as shown in the table below. This designation is in line with the diagnostic and clinical skills expected to be available at that level. In certain cases the use of an item is further restricted to facilities where a specific type of clinical and/or diagnostic expertise is available, eg. certain ophthalmological preparations. The in-charge of each level of Health Centre is given in parentheses.

HC1 = Health Centre 1 (Community Level)

HC2 = Health Centre 2 (Enrolled Comprehensive Nurse)

HC3 = Health Centre 3 (Clinical Officer)

HC4 = Health Centre 4 (Medical Officer)

H = Hospital

R = Restricted Use (ie. needs high level diagnostic/clinical skills only available in specialised institutions, eg. Cancer Institute, National Psychiatric Hospital, etc.)

Ref = Referral Hospital

Notes:

1. **Diagnostic facilities:** Health facilities of levels HC3 and higher have different degrees of laboratory diagnostic support facilities available.

2. **Drug availability:** all of the items listed for health centre levels up to and including H (Hospital) level are expected to be available at all times from National Medical Stores. More specialised items with an R (Restricted) or Ref (Referral) designation will be available from NMS only at the request of the relevant institution. It is therefore important that accurate estimates for the annual requirements for these items are made by the institutions concerned well in advance and the information forwarded to NMS so that sufficient quantities of the required items may be procured and held in stock.

Abbreviations and Units

BNF = British National Formulary

BP = British Pharmacopoeia

BPC = British Pharmaceutical Codex
 Inf = infusion
 IM = intramuscular
 Inj = injection
 IT = intrathecal
 IU = international units
 IV = intravenous
 MU = Mega Unit = one million (1,000,000) units
 PFR = powder for reconstitution
 SC = subcutaneous
 SR = slow-release

G = gram = 1,000 mg = 0.001 kg
 mg = milligram = 1,000 µg
 µg = microgram = 0.001mg

L = litre = 1,000 mL
 mL = millilitre = 0.001 L

Summary of Main Changes in EDLU 2001

A. Additions

1.1 General anaesthetics and oxygen

propofol injection 10mg/mL IV R

1.2 Local anaesthetics

lignocaine spray 10% HC4

1.3 Preoperative and peri-operative medication

ephedrine hydrochloride injection 3mg/mL Ref

fentanyl injection 50µg/mL Ref

midazolam injection 2mg/mL Ref

2.3 Opioid analgesics

morphine oral solution 1mg/mL HC3

4.1 Antidotes (General)

charcoal activated tablet 250mg HC2

4.2 Antidotes (Specific)

sodium thiosulphate injection 250mg or 500mg/mL H

6.1.1 Intestinal anthelmintics

mebendazole tablet 500mg HC1

6.2.1 Penicillins

flucloxacillin oral susp (PFR) 125mg/5mL HC4

6.2.2 Other antibacterial drugs

ceftriaxone powder for inj 250mg IV/IM Ref

ciprofloxacin tablet 500mg HC3

6.2.4 Antituberculosis drugs

ethambutol + isoniazid	tablet 400mg + 150mg	HC4
6.3 Antifungal drugs		
clotrimazole	pessary 500mg	HC4
6.4.1 Antiamoebic drugs		
tinidazole	tablet 500mg	HC4
6.4.3 Antimalarial drugs		
artemether	injection 100mg IM	HC4
artemether	tablet 50mg	HC4
sodium artesunate	tablet 50mg	HC4
6.4.4 Antitrypanosomal drugs (African trypanosomiasis)		
nifurtimox	tablet 30mg	R
nifurtimox	tablet 120mg	R
nifurtimox	tablet 250mg	R
6.4.6 Drugs used in toxoplasmosis		
clindamycin	capsule 150mg	HC4
pyrimethamine	tablet 25mg	HC4
10.1 Antianaemia drugs		
ferrous sulphate + folic acid	tab 60mg elem.iron + 400µg	HC1
12.1 Antianginal drugs		
atenolol	tablet 100mg	H
12.2 Antidysrhythmic drugs		
atenolol	tablet 100mg	H
12.3 Antihypertensive drugs		
nifedipine	tablet 10mg	H
nifedipine	tablet 20mg SR	H
12.4.2 Drugs used in vascular shock		
hydrocortisone sod. succinate	injection (PFR) 100mg IV/IM	HC3
13.1 Topical antifungals		
miconazole	cream 2%	H
13.2 Topical antiinfectives		
potassium permanganate	solution aq 1:10,000 (0.01%)	HC4
silver sulphadiazine	cream 1%	HC3
13.3 Topical antiinflammatories and antipruritics		
betamethasone	cream or ointment 0.1%	HC4
13.4 Keratoplastics and keratolytics		
benzoyl peroxide	lotion or cream 5%	HC4
13.6 Pediculicide		
malathion	lotion aqueous 0.5%	HC2
14.1 Ophthalmic diagnostic agents		
rose bengal	eye drops 1%	HC4
17.1 Antacids and other antiulcer drugs		
omeprazole	tablet 20mg	H
17.2 Antiemetics		
cyclizine	tablet 50mg	Ref

cyclizine	inj 50mg/mL IM/slow IV	Ref
domperidone	tablet 10mg	H
domperidone	suspension 5mg/5mL	H
domperidone	suppository 30mg	H
17.4 Antispasmodics		
propantheline	tablet 15mg	H
17.6 Laxatives		
senna	tablet 7.5mg	HC2
17.7.2 Antidiarrhoeals		
loperamide	tablet or capsule 2mg	H
18.1 Adrenal hormones & synthetic substitutes		
dexamethasone	tablet 4mg	H
18.5 Insulins and other antidiabetic agents		
isophane insulin	injection 100 IU/mL SC	HC4
19.1 Diagnostic agents		
tuberculin PPD	injection 100 IU/mL	HC3
19.2 Sera and immunoglobulins		
antirabies immunoglobulin, human	injection 200 IU/mL IM/local infiltration	HC4
20. Muscle relaxants & cholinesterase inhibitors		
atracurium besylate	injection 10mg/mL	Ref
21.1.1 Antiinfective + antiinflammatory agents		
neomycin + betamethasone	eye drops 0.5% + 0.1%	HC4
22.1 Oxytocics		
ergometrine + oxytocin	injection 500µg + 5 IU/mL IM	HC2
22.2 Antioxytocics		
salbutamol	injection 1mg/mL IV inf	HC4
25.1 Antiasthmatic drugs		
aminophylline	tablet 100 mg	HC3
cromoglycic acid	inhaler 5mg/metered dose (for adults)	HC4
salbutamol	nebuliser solution 2.5mg/mL	H
salbutamol	nebuliser solution 5mg/mL	H
25.2 Antitussive drug		
codeine phosphate	tablet 30mg	HC4
27. Vitamins and minerals		
ergocalciferol	tablet or capsule 250µg	Ref
pyridoxine	tablet 50mg	HC4
retinol (vitamin A)	capsule (drops) 50,000 IU	HC2
retinol (vitamin A)	capsule (drops) 100,000 IU	HC2
28.1 Ear preparations		
betamethasone	ear/eye drops 0.1%	H
28.3 Oropharyngeal preparations		
povidone-iodine	mouthwash/gargle 1%	HC3
triamcinolone acetonide	oral paste 0.1%	H

B. Deletions

1.2 Local anaesthetics

lignocaine spray 5% Hosp

2.1 Non-opioids

acetylsalicylic acid tablet 75mg HC

3. Anti-allergics & drugs used in anaphylaxis

astemizole tablet 10mg Ref

4.1 Antidotes (General)

charcoal activated tablet 50mg HC

4.2 Antidotes (Specific)

ferric hexacyanoferrate powder Hosp

sodium thiosulphate injection 1.5G/50mL Hosp

5. Antiepileptics and anticonvulsants

phenobarbitone (phenobarbital) tablet 30mg HC

phenobarbitone tablet 60mg HC

6.1.1 Intestinal anthelmintics

mebendazole tablet 100mg HC

6.1.3 Antischistosomes

niridazole tablet 600mg Ref

6.2.1 Penicillins

ampicillin powder for syrup 125mg/5mL Hosp

ampicillin tablet or capsule 250mg Hosp

cloxacillin powder for syrup 125mg/5mL Hosp

6.2.2 Other antibacterial drugs

cephalexin tablet 250mg R

lincomycin capsule 500mg Ref

tetracycline tablet / capsule 250mg HC

6.2.4 Antituberculosis drugs

rifampicin tablet / capsule 150mg Ref

6.4.3 Antimalarial drugs

chloroquine injection 200mg base/5mL HC

primaquine tablet 15mg HC

pyrimethamine tablet 25mg Hosp

8.3 Hormones and antihormones

stilboestrol tablet 5mg R

12.1 Antiangina drugs

cinnarizine tablet 75mg Ref

propranolol tablet 40mg Hosp

12.3 Antihypertensive drugs

diazoxide injection 300mg/20mL Hosp

13.1 Topical antifungals

griseofulvin tablet 250mg, 500mg Hosp

13.4 Astringent drugs

aluminium diacetate solution 13% Hosp

14.1 Ophthalmic diagnostic agents

homatropine	eye drops 1%	Hosp
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17.2 Antiemetics

chlorpromazine	tablet 25mg	HC
chlorpromazine	injection 25mg/mL deep IM	Hosp
chlorpromazine	suppository 100mg	Hosp
prochlorperazine	suppository 5mg	HC
prochlorperazine	suppository 25mg	HC

17.4 Anti-inflammatory drug

sulfasalazine	tablet 500mg	R
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17.5 Antispasmodic drugs

atropine	injection 1mg/mL	Hosp
hyoscine butylbromide	tablet 10mg	Hosp

18.1 Adrenal hormones and synthetic substitutes

vasopressin	spray 10µg/dose	Ref
vasopressin	injection 5 IU	Ref

18.7 Progestogens

medroxyprogesterone acetate	injection 50mg/mL	HC
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19.1 Diagnostic agents

tuberculin, PPD with Tween 80	injection 5 IU/0.1mL	HC
tuberculin, PPD with Tween 80	injection 5 IU/mL	HC

19.2 Sera and immunoglobulins

antirabies immunoglobulin, human	injection 1,000 IU IM/local infiltration	Hosp
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19.3.2 Vaccines for specific groups of individuals

cholera vaccine	inj 10mL/vial, 1.5mL/vial	Hosp
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21.1.1 Antiinfective + antiinflammatory agents

neomycin + beclomethasone	eye drops 0.5% + 0.1%	R
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25.1 Antiasthmatic drugs

aminophylline	tablet 200 mg	HC
cromoglycic acid	inhaler 1mg/dose	Ref

25.2 Antitussive drug

codeine phosphate	tablet 10mg	Hosp
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26.2 Parenterals

glucose	infusion 10%	HC
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26.3 Miscellaneous

water for injection	injection 100mL	HC
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27. Vitamins and minerals

calciferol	injection 10,000 IU	Hosp
pyridoxine	tablet 25mg	Hosp
vitamin B+C (Parenterovite)	injection 5mL	Ref
yeast dried	tablet 300mg	HC

28.1 Ear preparations

boric acid in spirit	ear drops 1:16 (6.25%)	H
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chloramphenicol	ear drops 0.5%	H
hydrogen peroxide	solution 3%	H
ichthammol in glycerol	ear drops 10%	H
oxytetracycline + polymyxin B	ear drops 0.5% + 0.119%	H
salicylic acid	ear drops 2%	H
salicylic acid	ear drops 10%	H

28.2 Nasal preparations

cromoglycic acid	nasal spray 2%	Hosp
ephedrine	nasal drops 0.5%	HC

28.3 Oropharyngeal preparations

alkaline phenol	mouth wash solution	HC
alkaline phenol	gargle solution 1%	HC

28.4 Miscellaneous

chromic acid	solution 25%	Ref
silver nitrate	solution 0.5%-4%	Hosp

ESSENTIAL DRUGS LIST FOR UGANDA

1. ANAESTHETICS

1.1 General anaesthetics and oxygen¹

¹ Soda lime must be available for CO₂ absorption during closed circuit general anaesthesia

ether	inhalation	HC4
halothane	inhalation	HC4
ketamine	injection 50mg/mL IV/IM	HC4
ketamine	injection paed 10mg/mL IV/IM	HC4
nitrous oxide	medical gas	HC4
oxygen	medical gas	HC4
propofol	injection 10mg/mL IV	Ref
thiopental	injection (PFR) 500mg IV	HC4

1.2 Local anaesthetics

bupivacaine	injection 0.25% IT/SC	Ref
bupivacaine	injection 0.5% IT/SC	Ref
ethyl chloride	spray	HC3
lignocaine	injection 2% (epidural)	H
lignocaine	dental cartridge 2%	HC4
lignocaine	injection 2%	HC2
lignocaine	spray 10%	HC4
lignocaine	paste 2-4%	HC4

lignocaine	ointment 5%	HC4
lignocaine	injection 5% (heavy spinal)	H
lignocaine	gel 2%	HC3
lignocaine + epinephrine	dental cartridge 2%+1:80 000	HC4

1.3 Preoperative and peri-operative medication

atropine	injection 1mg/mL IV/IM	HC4
diazepam	rectal tube 2mg/mL	HC2
droperidol	injection 5mg/mL IV/IM/IVinf	H
ephedrine hydrochloride	injection 3mg/mL	Ref
fentanyl	injection 50µg/mL	Ref
lorazepam	injection 4mg/mL IV/IM	H
midazolam	injection 2mg/mL	Ref
morphine	injection 15mg/mL IV/IM/SC	HC4

2. ANALGESICS, ANTIPYRETICS

2.1 Non-opioids

acetylsalicylic acid	tablet 300mg	HC1
diclofenac	tablet 25mg	HC4
diclofenac	injection 25mg/mL IV/IM	H
ibuprofen	tablet 200mg	HC2
paracetamol	tablet 500mg	HC1
paracetamol	suppository 100mg	HC3

2.2 Drugs used for gout

allopurinol	tablet 100mg	HC4
colchicine	tablet 500µg	HC4
indomethacin	tablet 25mg	HC4
probenecid	tablet 500mg	HC4

2.3 Opioid analgesics

codeine	tablet 30mg	HC4
dihydrocodeine	tablet 30mg	HC4
morphine	injection 15mg/mL IV/IM/SC	HC4
morphine	oral solution 1mg/mL	HC3
morphine	tablet 30mg	HC4
morphine	tablet SR 10mg	HC3
morphine	tablet SR 30mg	HC3
morphine	tablet SR 60mg	HC3
papaveretum + hyoscine	injection 15.4mg + 0.4mg	Ref
pethidine	tablet 50mg	HC4

pethidine injection 50mg/mL IV/IM/SC HC3

3. ANTI-ALLERGICS & DRUGS USED IN ANAPHYLAXIS

chlorphenamine	tablet 4mg	HC2
cyproheptadine	tablet 4mg	H
cyproheptadine	syrup 2mg/5mL	H
dexamethasone	injection 4mg/mL IV/IM	HC4
epinephrine (adrenaline)	injection 1mg/mL IV/IM/SC	HC2
hydrocortisone sod. succinate	injection (PFR) 100mg IV/IM	HC3
prednisolone	tablet 5mg	HC4
promethazine	tablet 25mg	HC2
promethazine	injection 25mg/mL slow IV/IM	HC4

4. ANTIDOTES

4.1 General

charcoal activated	tablet 250mg	HC2
ipecacuanha	syrup 0.14%	HC2
pralidoxime	injection 200mg/mL IV/IM	HC4

4.2 Specific

atropine	injection 1mg/mL IV/IM	HC4
benztropine	injection 1mg/mL IV/IM	HC4
calcium folinate (folinic acid)	tablet 15mg	Ref
calcium folinate (folinic acid)	injection 3mg/mL IV/IM	Ref
deferoxamine	injection (PFR) 500mg IV	H
dimercaprol	injection 50mg/mL IM	H
methionine	tablet 250mg	H
methylthionium chloride (methylene blue)	injection 10mg/mL IV	H
naloxone	injection 400µg/mL IV/IM/SC	HC4
naloxone	inj paed 20µg/mL IV/IM/SC	HC4
penicillamine	tablet 250mg	H
sodium calcium edetate	injection 200mg/mL IV	H
sodium nitrite	injection 30mg/mL IV	H
sodium thiosulphate	inj 250mg/mL or 500mg/mL IV	H

5. ANTIEPILEPTICS AND ANTICONVULSANTS

carbamazepine	tablet 200mg	HC4
carbamazepine	syrup 100mg/5mL	HC4
clonazepam	tablet 2mg	Ref
clonazepam	injection 500mg/mL IV	Ref
diazepam	injection 5mg/mL IV	HC4

diazepam	rectal tube 2mg/mL	HC2
ethosuximide	tablet 250mg	H
ethosuximide	syrup 250mg/5mL	H
magnesium sulphate (specifically for convulsions in eclampsia)	injection 500mg/mL (50%) IV	HC3
phenobarbitone (phenobarbital)	injection 200mg/mL IV/IM	Ref
phenytoin	injection 10mg/mL IV	Ref
phenytoin	tablet or capsule 50mg	HC3
phenytoin	tablet or capsule 100mg	HC3
phenytoin	suspension 30mg/5mL	HC3
valproic acid	tablet 200mg	Ref

6. ANTI-INFECTIVE DRUGS

6.1 Anthelmintics

6.1.1 Intestinal anthelmintics

mebendazole tablet 500mg HC1
 niclosamide tablet 500mg HC4

6.1.2 Antifilarials

diethylcarbamazine tablet 50mg H
 ivermectin tablet 6mg HC3

6.1.3 Antischistosomes

praziquantel tablet 600mg HC3

6.2 Antibacterials

6.2.1 Beta Lactam Drugs

amoxicillin	tablet or capsule 250mg	HC2
amoxicillin	tablet or capsule 500mg	HC2
amoxicillin	inj (PFR) 500mg IV/IM/IVinf	HC4
amoxicillin	syrup (PFR) 125mg/5mL	HC2
amoxicillin + clavulanic acid	tablet 250mg + 125mg	Ref
ampicillin	inj (PFR) 500mg IV/IM/IVinf	HC4
benzathine benzylpenicillin	injection (PFR) 2.4 MU IM	HC3
benzylpenicillin	inj (PFR) 1MU (600mg) IM	HC2
ceftriaxone	injection (PFR) 250mg IV/IM	Ref
cefuroxime axitel	tablet 250mg	Ref
cefuroxime sodium	injection (PFR) 750mg IV/IM	Ref
cefuroxime	oral susp (PFR) 125mg/5mL	Ref
cloxacillin	injection (PFR) 500mg IV/IM	HC4
flucloxacillin	capsule 250mg	HC4

flucloxacillin	syrup (PFR) 125mg/5mL	HC4
phenoxymethylpenicillin	tablet 250mg (Pen V)	HC2
procaine benzylpenicillin forte	injection (PFR) 4 MU IM (PPF)	HC3

6.2.2 Other antibacterial drugs

chloramphenicol	injection (PFR) 1G IV/IM	HC3
chloramphenicol	capsule 250 mg	HC4
ciprofloxacin	tablet 250mg	HC3
ciprofloxacin	tablet 500mg	HC3
cotrimoxazole	tablet 120mg	HC2
cotrimoxazole	tablet 480mg	HC2
cotrimoxazole	syrup 240mg/5mL	HC2
doxycycline	tablet 100mg	HC2
erythromycin	oral susp (PFR) 125mg/5mL	HC4
erythromycin	tablet 250mg	HC2
gentamicin	injection 40mg/mL IV/IM	HC4
metronidazole	infusion 5mg/mL	H
metronidazole	tablet 200mg	HC2
nalidixic acid	tablet or capsule 500mg	H
nitrofurantoin	tablet 100mg	HC2

6.2.3 Antileprosy drugs¹

¹ may be available at designated health centres

clofazimine	capsule 100mg	R
dapsone	tablet 100mg	R
rifampicin ²	tablet or capsule 150mg	R
thalidomide	tablet 50mg	R

6.2.4 Antituberculosis drugs

ethambutol	tablet 400mg	HC4
ethambutol + isoniazid	tablet 400mg+150mg	HC4
isoniazid	tablet 100mg	HC4
pyrazinamide	tablet 500mg	HC4
rifampicin + isoniazid ²	tab or cap 150mg+100mg	HC4
rifampicin + isoniazid ²	tab or cap 300mg+150mg	HC4
rifampicin + isoniazid ²	syrup 100mg+50mg/5mL	HC4
streptomycin	injection (PFR) 1G deep IM	HC4

² rifampicin products are reserved for TB/Leprosy Programme use only

6.3 Antifungal drugs

amphotericin B inj (PFR) 50mg for IV inf	Ref
clotrimazole pessary 500mg	HC4
fluconazole tablet or capsule 50mg	Ref
fluconazole tablet or capsule 100mg	Ref
fluconazole tablet or capsule 200mg	Ref
flucytosine injection 10mg/mL for IV inf	Ref
griseofulvin tablet 125mg	HC3
griseofulvin tablet 500mg	HC3
ketoconazole oral susp 100mg/5mL	HC3
ketoconazole tablet 200mg	HC3
miconazole pessary 100mg	HC4
nystatin pessary 100,000 IU	HC3
nystatin oral susp 100,000 IU/mL	HC2
nystatin tablet 500,000 IU	HC3

6.4 Antiprotozoal drugs

6.4.1 Antiamoebic drugs

metronidazole tablet 200mg	HC2
tinidazole tablet 500mg	HC4

6.4.2 Antileishmaniasis drugs

pentamidine isethionate inj (PFR) 200mg deep IM	HC4
sodium stibogluconate inj 100mg/mL antimony IV/IM	R

6.4.3 Antimalarial drugs

amodiaquine tablet 200mg	HC3
artemether injection 100mg IM	HC4
artemether tablet 50mg	HC4
chloroquine inj 40mg base/mL IM/SC	HC2
chloroquine tablet 150mg base	HC1
chloroquine syrup 75mg base/5mL	HC1
primaquine tablet 7.5mg	HC4
proguanil tablet 100mg	HC4
quinine inj 300mg/mL IV/deep IM	HC3
quinine tablet 300mg	HC4
quinine mixture 100mg/5mL	HC4
sodium artesunate tablet 50mg	HC4
sulfadoxine + pyrimethamine tablet 500mg + 25mg (SP)	HC1

6.4.4 Antitrypanosomal drugs (African trypanosomiasis)

melarsoprol	injection 36mg/mL slow IV	HC4
nifurtimox	tablet 30mg	R
nifurtimox	tablet 120mg	R
nifurtimox	tablet 250mg	R
pentamidine isethionate	inj (PFR) 200mg deep IM	HC4
suramin sodium	injection (PFR) 1G slow IV	HC4

6.4.5 Antitrichomoniasis drugs

tinidazole tablet 500mg HC4

6.4.6 Drugs used in toxoplasmosis

clindamycin capsule 150mg HC4
 pyrimethamine tablet 25mg HC4

6.5 Antiviral drugs

aciclovir	tablet 200mg	HC4
aciclovir	tablet 400mg	HC4
ganciclovir sodium injection (PFR) 500mG IV inf (for cytomegalovirus infection) R		

7. ANTIMIGRAINE DRUGS

7.1 Treatment of Acute Attacks

acetylsalicylic acid	tablet 300mg	HC1
ergotamine	tablet 1mg	HC4
paracetamol	tablet 500mg	HC1

7.2 Prophylaxis

propranolol tablet 10mg HC4
 propranolol tablet 20mg HC4

8. ANTINEOPLASTIC & IMMUNOSUPPRESSIVE DRUGS

8.1 Immunosuppressive drugs

azathioprine tablet 50mg R

8.2 Cytotoxic drugs

asparaginase (colaspase)	injection (PFR) 100mg	Ref
calcium folinate (folinic acid)	tablet 15mg	Ref
calcium folinate (folinic acid)	injection 3mg/mL IV/IM/IVinf	Ref
cyclophosphamide	injection (PFR) 500mg IV	Ref

cyclophosphamide	tablet 50mg	Ref
cytarabine	inj (PFR) 100mg SC/IV/IT	Ref
dacarbazine	injection (PFR) 100mg IV	Ref
dactinomycin	injection (PFR) 500µg IV	Ref
daunorubicin	injection (PFR) 50mg IVinf	Ref
doxorubicin (adriamycin)	injection (PFR) 50mg IVinf	Ref
fluorouracil	injection 500mg/10mL IV	R
hydroxyurea	capsule 500mg	R
mercaptopurine	tablet 50mg	R
methotrexate	tablet 2.5mg	R
methotrexate	injection 50mg/mL IV/IM/IT	Ref
mustine	injection (PFR) 10mg IVinf	R
procarbazine	capsule 50mg	R
stilboestrol	tablet 5mg	R
thioguanine	tablet 40mg	R
vincristine	injection (PFR) 1mg IV	R
vincristine	injection (PFR) 5mg IV	R

8.3 Hormones and antihormones

dexamethasone tablet 4mg	HC4
dexamethasone inj 4mg/mL IM/slow IV/IVinf	HC4
prednisolone tablet 5mg	HC4
tamoxifen tablet 10mg	HC4

9. ANTI-PARKINSONISM DRUGS

benzhexol tablet 2mg	HC4
benztropine injection 1mg/mL IV/IM	HC4
levodopa + carbidopa tablet 100mg + 10mg	Ref
levodopa + carbidopa tablet 250mg + 25mg	Ref

10. DRUGS AFFECTING THE BLOOD

10.1 Antianaemia drugs

ferrous salt tablet 60mg elemental iron	HC1
ferrous sulphate oral solution paediatric BP	HC2
12mg elemental iron/5mL	
ferrous sulphate + folic acid tab 60mg elem.iron + 400µg	HC1
folic acid tablet 1mg	HC2
folic acid tablet 5mg	HC2
hydroxocobalamin injection 1mg/mL IM	HC4

10.2 Anticoagulants and antagonists

heparin	injection 5,000 IU IV	HC4
phytomenadione	injection 1mg/mL IM	HC4
phytomenadione	injection 10mg/mL IM	HC4
protamine sulphate	injection 10mg/mL slow IV	HC4
warfarin	tablet 1mg	HC4
warfarin	tablet 3mg	HC4

10.3 Fibrinolytic Agents

streptokinase injection 250,000 IU slow IV R

11. BLOOD PRODUCTS & PLASMA SUBSTITUTES

11.1 Plasma expanders

dextran 70 infusion IV 6% HC4
polygeline solution infusion IV 3.5% HC4

11.2 Plasma extracts

factor IX complex concentrate injection freeze-dried IV R
factor VIII concentrate injection freeze-dried IV R
albumin, human injection freeze-dried 25% IV R

12. CARDIOVASCULAR DRUGS

12.1 Antianginal drugs

atenolol tablet 100mg H
glyceryl trinitrate tablet sublingual 500µg H
glyceryl trinitrate patch 200µg H
isosorbide dinitrate tablet sublingual 5mg H
nifedipine tablet 10mg H

12.2 Antidysrhythmic drugs

atenolol tablet 100mg H
lignocaine inj 20mg/mL (2%) slow IV/IVinf Ref
procainamide tablet 250mg Ref
propranolol injection 1mg/mL slow IV Ref
propranolol tablet 40mg H
quinidine tablet 200mg Ref
verapamil tablet 40mg Ref

12.3 Antihypertensive drugs

atenolol tablet 100mg H

captopril	tablet 25mg	H
hydralazine	tablet 25mg	H
hydralazine	tablet 50mg	H
hydralazine	injection 20mg/mL slow IV/IVinf	H
methyldopa	tablet 250mg	HC4
nifedipine	tablet 10mg	H
nifedipine	tablet 20mg SR	H
propranolol	tablet 40mg	HC4
propranolol	tablet 80mg	HC4

12.4 Drugs used in heart failure

12.4.1 Cardiac glycosides

digoxin	tab paed 62.5µg (0.0625mg)	HC4
digoxin	tablet 250µg (0.25mg)	HC4
digoxin	injection 250µg/mL IV	HC4

12.4.2 Drugs used in vascular shock

dopamine	injection 40mg/mL IVinf	H
epinephrine (adrenaline)	injection 1mg/mL IC/IVinf	HC4
hydrocortisone sod. succinate	injection (PFR) 100mg IV/IM	HC3

13. DERMATOLOGICAL DRUGS

13.1 Topical antifungals

benzoic acid + salicylic acid	ointment 6% + 3%	HC2
clotrimazole	cream 1%	HC3
miconazole	cream 2%	H
nystatin	cream or oint 100,000 IU/g	HC3
sulphur + salicylic acid	cream or oint 2% + 2%	Hosp

13.2 Topical antiinfectives

acetic acid	solution 10%	H
chlorhexidine	cream 5%	HC4
framycetin	impregnated gauze 1%	HC3
iodine	tincture 2%	HC1
methylrosanilinium chloride	aqueous paint 1%	HC1
(gentian violet)		
neomycin + bacitracin	ointment 5mg + 500IU/g	H
potassium permanganate	solution aq 1:10,000 (0.01%)	HC4
silver sulphadiazine	cream 1%	HC3

13.3 Topical antiinflammatories and antipruritics

betamethasone cream or ointment 0.1% HC4
 calamine lotion 15% HC1
 hydrocortisone cream or ointment 1% HC3

13.4 Keratoplastics and keratolytics

benzoyl peroxide lotion or cream 5% HC4
 coal tar ointment 1% H
 dithranol ointment 0.1% H
 podophyllum resin paint 15% HC4
 salicylic acid ointment 2% HC2
 salicylic acid ointment 5% HC2

13.5 Scabicide

benzyl benzoate lotion 25% HC2

13.6 Pediculicide

malathion lotion aqueous 0.5% HC2

13.7 Other topical preparations

silver nitrate stick 40% HC3

14. DIAGNOSTIC AGENTS

14.1 Ophthalmic diagnostic agents¹

¹ for use only where ophthalmological expertise is available

fluorescein eye drops 1% HC4
 physostigmine eye drops 0.25% HC4
 rose bengal eye drops 1% HC4

14.2 Radiocontrast media

barium sulphate powder in water 75% w/v or more H
 diatrizoate injection 60% H
 diatrizoate injection 76% H
 iodised oil fluid injection 38% H
 ioglycamate injection 17% H
 ioglycamate injection 35% H
 iohexol injection 18% H
 iohexol injection 24% H
 iohexol injection 30% H

iohexol	injection 35%	H
iopanoic acid	tablet 500mg	H
iothalamate	injection 54%	H
iothalamate	injection 60%	H
iothalamate	injection 70%	H

15. DISINFECTANTS and ANTISEPTICS

15.1 Antiseptics

cetrimide + chlorhexidine	solution 0.5% + 0.05%	HC2
chlorhexidine gluconate	solution 20%	HC2
hydrogen peroxide	solution 6%	HC2
povidone iodine	solution 10%	HC3

15.2 Disinfectants

calcium or sodium hypochlorite	solution 5%	HC1
glutaraldehyde	solution 2%	H

16. DIURETICS

bendrofluzide	tablet 5mg	HC3
furosemide	inj 10mg/mL IM/slow IV/IVinf	HC4
furosemide	tablet 40mg	HC4
mannitol	injectable sol. 20% IVinf	H
spironolactone	tablet 50mg	HC4

17. GASTROINTESTINAL DRUGS

17.1 Antacids and other antiulcer drugs

bismuth chelate	tablet 120mg	Ref
cimetidine	tablet 400mg	HC4
magnesium trisilicate co.	Tablet 370mg	HC1
omeprazole	tablet 20mg	H
ranitidine	tablet 150mg	H

17.2 Antiemetics

cyclizine	tablet 50mg	Ref
cyclizine	inj 50mg/mL IM/slow IV	Ref
domperidone	tablet 10mg	H
domperidone	suspension 5mg/5mL	H
domperidone	suppository 30mg	H
prochlorperazine	tablet 5mg	HC3

prochlorperazine	injection 12.5mg/mL deep IM	HC4
promethazine	tablet 25mg	HC2
promethazine	injection 25mg/mL deep IM	HC3
metoclopramide	tablet 10mg	HC3
metoclopramide	injection 5mg/mL	HC4

17.3 Antihaemorrhoidals

bismuth subgallate compound suppository HC3

17.4 Antispasmodics

hyoscine butylbromide injection 20mg/mL Ref
propantheline tablet 15mg H

17.5 Laxatives

bisacodyl tablet 5mg HC4
bisacodyl suppository paediatric 5mg HC4
senna tablet 7.5mg HC2

17.6 Drugs used in diarrhoea

17.6.1 For oral rehydration

oral rehydration salts powder for 1L (WHO citrate formula) HC1

17.6.2 Antidiarrhoeals¹

¹ for symptomatic treatment of adults only

codeine phosphate tablet 30mg HC4
loperamide tablet or capsule 2mg H

18. HORMONES, OTHER ENDOCRINE DRUGS & CONTRACEPTIVES

18.1 Adrenal hormones & synthetic substitutes

ACTH (corticotrophin)	injection 20IU/mL IM	Ref
betamethasone	tablet 0.5mg	Ref
cortisone	tablet 12.5mg	Ref
cortisone	tablet 25mg	Ref
dexamethasone	tablet 4mg	H
dexamethasone	inj 4mg/mL IM/slow IV/Ivinf	H
hydrocortisone sod succinate	inj 100mg IM/slow IV/Ivinf	HC3
prednisolone	tablet 5mg	HC4

18.2 Androgens

methyltestosterone tablet 5mg Ref
 testosterone enanthate inj oily 250mg/mL slow IM Ref

18.3 Hormonal contraceptives

ethinylestradiol + levonorgestrel tablet 30µg +150µg HC2
 ethinylestradiol + levonorgestrel tablet 30µg +300µg HC2
 ethinylestradiol + levonorgestrel tablet 50µg +250µg HC2
 ethinylestradiol + norethisterone tablet 50µg + 1mg HC2
 medroxyprogesterone acetate depot inj 150mg/mL deep IM HC3
 levonorgestrel implant capsules 38mg/cap H
 norgestrel tablet 75µg HC2

18.4 Oestrogens

stilboestrol tablet 1mg Ref
 stilboestrol tablet 5mg Ref

18.5 Insulins and other antidiabetic agents

glibenclamide tablet 5 mg HC4
 insulin soluble inj 40 IU/mL or 100 IU/mL SC¹ HC4
 insulin zinc suspension (lente) inj 40 IU/mL or 100 IU/mL SC¹ HC4
 isophane insulin injection 100 IU/mL SC HC4
 metformin tablet 500mg Ref
 metformin tablet 850mg Ref
 tolbutamide tablet 500 mg HC4

¹ The 40IU/mL strength is to be phased out

18.6 Ovulation inducers

bromocriptine tablet 2.5mg Ref
 clomifene tablet 50mg Ref

18.7 Progestogens

norethisterone tablet 5 mg H

18.8 Thyroid hormones and antithyroid drugs

carbimazole tablet 5mg H
 levothyroxine tablet 100µg HC4
 iodine + potassium iodide oral solution 5% + 10% (Lugol's iodine) HC4

19. IMMUNOLOGICALS²

² See individual product literature for more information

19.1 Immunological diagnostic agents

tuberculin PPD injection 100 IU/mL HC3

19.2 Sera and immunoglobulins

anti-D immunoglobulin human	injection 250µg/mL IM	Ref
antirabies immunoglobulin, human	injection 200 IU/mL IM/local infiltration	HC4
antirabies vaccine, human diploid	injection IM/deep SC	HC4
antiscorpion serum	injection	Ref
antitetanus immunoglobulin, human	injection 500 IU IM	Ref
antivenom sera polyvalent (East & Central Africa)	injection IV	HC4
diphtheria antitoxin	injection 10,000 IU IM	Ref
normal immunoglobulin, human	injection 16% IM	Ref

19.3 Vaccines

19.3.1 Vaccines for routine immunisation

BCG vaccine dried	injection ID 20 dose vial	HC2
diphtheria-pertussis-tetanus (DPT)	injection IM/deep SC (20 dose vial)	HC2
measles vaccine	injection IM/deep SC (10 dose vial)	HC2
poliomyelitis vaccine (live attenuated)	oral solution 20 dose	HC2
tetanus toxoid vaccine (20 dose vial)	injection IM/deep SC	HC2

19.3.2 Vaccines for specific groups of individuals

hepatitis B vaccine	inj IM/deep SC single dose	HC2
meningococcal vaccine A+C	inj IM/deep SC single dose	HC2
plague vaccine	inj IM/deep SC single dose	HC2
rabies vaccine human diploid	inj IM/deep SC single dose	HC2
rubella vaccine	inj IM/deep SC single dose	H
typhoid vaccine	inj IM/deep SC single dose	HC2
yellow fever vaccine	inj SC single dose	HC2

20. MUSCLE RELAXANTS & CHOLINESTERASE INHIBITORS

alcuronium chloride	injection 5mg/mL IV	Ref
atracurium besylate	injection 10mg/mL	Ref
edrophonium	injection 10mg/mL IV	H
neostigmine	tablet 15mg	HC4
neostigmine	injection 500µg/mL IM/SC	H

pancuronium bromide injection 2mg/mL IV	Ref
suxamethonium injection 50mg/mL IV/IVinf	HC4
tubocurarine injection 10mg/mL IV	H

21. OPHTHALMOLOGICAL PREPARATIONS

21.1 Antiinfective agents

aciclovir eye ointment 3%	Ref
chloramphenicol eye ointment 1%	HC2
chloramphenicol eye drops 0.5%	HC2
gentamicin eye/ear drops 0.3%	HC4
idoxuridine eye drops 0.1%	Ref
idoxuridine eye ointment 0.5%	Ref
tetracycline eye ointment 1%	HC1

21.1.1 Antiinfective + antiinflammatory agents¹

¹ for use only where qualified ophthalmological staff is available

neomycin + betamethasone eye drops 0.5% + 0.1%	HC4
hydrocortisone + eye drops 1.5% +	HC4
oxytetracycline + polymyxin B 0.5% + 0.119%	

21.2 Antiinflammatory agents¹

¹ for use only where qualified ophthalmological staff is available

betamethasone eye drops 0.1%	HC4
hydrocortisone eye drops 0.5%	HC4
hydrocortisone eye ointment 1%	HC4

21.3 Local anaesthetics¹

¹ for use only where qualified ophthalmological staff is available

tetracaine (amethocaine) eye drops 0.5%	H
tetracaine (amethocaine) eye drops 1%	H

21.4 Miotics and antiglaucoma drugs¹

¹ for use only where qualified ophthalmological staff is available

acetazolamide tablet 250mg	HC4
pilocarpine eye drops 2%	HC4
pilocarpine eye drops 4%	HC4
timolol eye drops 0.25%	Ref
timolol eye drops 0.5%	Ref

21.5 Mydriatics¹

¹ For use only where ophthalmological expertise available

atropine eye drops 1%	H
cyclopentolate eye drops 2%	Ref
phenylephrine eye drops 10%	HC

21.6 Astringents¹

¹ For use only where ophthalmological expertise available

zinc sulphate eye drops 0.25%	HC4
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22. OXYTOCICS & ANTI-OXYTOCICS

22.1 Oxytocics

ergometrine tablet 200µg	HC4
ergometrine + oxytocin injection 500µg + 5 IU/mL IM	HC2
methylergometrine inj 200µg/mL IM/slow IV	HC2
oxytocin inj 10 IU/mL slow IV/inf	H

22.2 Antioxytocics

salbutamol tablet 4mg	HC3
salbutamol injection 1mg/mL IV inf	HC4

23. PERITONEAL & HAEMODIALYSIS SOLUTIONS

electrolyte solutions for dialysis ²	Ref
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² See product literature for details of presentation

24. PSYCHOTHERAPEUTIC DRUGS

amitriptyline tablet 25mg	HC4
carbamazepine tablet 200mg	HC4
chlordiazepoxide tablet 10mg	HC4

chlordiazepoxide	tablet 25mg	HC4
chlorpromazine	tablet 25mg	HC2
chlorpromazine	tablet 100mg	HC2
chlorpromazine	injection 25mg/mL deep IM	HC2
diazepam	inj 5mg/mL IM/slow IV/IVinf	HC4
diazepam	tablet 5mg	HC4
fluphenazine decanoate	inj oily 25mg/mL deep IM	Ref
haloperidol	tablet 5mg	Ref
haloperidol	tablet 10mg	Ref
haloperidol	injection 5mg/mL IM	Ref
haloperidol decanoate	inj oily 50mg/mL deep IM	Ref
haloperidol decanoate	inj oily 100mg/mL deep IM	Ref
imipramine	tablet 25mg	HC4
lithium carbonate	tablet 250mg	Ref
lorazepam	tablet 2mg	Ref
nitrazepam	tablet 5mg	HC4
thioridazine	tablet 25mg	Ref
thioridazine	tablet 100mg	Ref
trifluoperazine	tablet 5mg	H
zuclopenthixol decanoate	inj oily 200mg/mL deep IM	R

25. DRUGS ACTING ON THE RESPIRATORY TRACT

25.1 Antiasthmatic drugs

aminophylline	tablet 100 mg	HC3
aminophylline	inj 25mg/mL slow IV/IVinf	HC4
beclomethasone	inhaler 50µg/metered dose	HC4
epinephrine (adrenaline)	injection 1mg/mL SC	HC2
salbutamol	nebuliser solution 2.5mg/mL	H
salbutamol	nebuliser solution 5mg/mL	H
salbutamol	inhaler 100µg/metered dose	HC4
salbutamol	tablet 4mg	HC3
sodium cromoglycate	inhaler 5mg/metered dose for adults)	HC4

25.2 Antitussive drug

codeine phosphate tablet 30mg (for adults) HC4

25.3 Cough soothing preparation

simple linctus syrup (BNF formula) HC2

26. SOLUTIONS CORRECTING WATER, ELECTROLYTE, & ACID-BASE DISTURBANCES

26.1 For oral rehydration

oral rehydration salts powder for 1 L WHO citrate formula) HC1

26.2 Parenterals

calcium gluconate	injection 100mg/mL (10%)	HC1
Darrow's solution	infusion ½ strength in 2.5% glucose	HC2
glucose	infusion 5%	HC2
glucose	infusion 50%	HC3
potassium chloride	inj 150mg/mL slow IV inf	H
sodium bicarbonate	injection 8.4% slow IV	H
sodium chloride	infusion 0.9%	HC2
sodium lactate compound (<i>Hartmann's</i> or <i>Ringer-Lactate</i> solution)	infusion	HC4

26.3 Miscellaneous

water for injection injection 2mL IV/IM HC2

water for injection injection 5mL IV/IM HC2

water for injection injection 10mL IV/IM HC2

27. VITAMINS & MINERALS

ascorbic acid (vitamin C)	tablet 100mg	HC3
calcium lactate	tablet 300mg	HC3
ergocalciferol (vitamin D ₂)	tablet or capsule 250µg 10,000 IU	Ref
multivitamin	tablet (BPC 73)	HC1
nicotinamide	tablet 50mg	HC4
potassium chloride	tablet 600mg SR	H
pyridoxine (vitamin B ₆)	tablet 50mg	HC4
retinol (vitamin A)	capsule (drops) 50,000 IU	HC2
retinol (vitamin A)	capsule (drops) 100,000 IU	HC2
retinol (vitamin A)	capsule (drops) 200,000 IU	HC2
vitamin B complex	injection IM ¹	HC4
vitamin B complex (strong)	tablet (BPC 73)	HC4

¹ Contains: nicotinamide 40mg, pyridoxine HCl 4mg, riboflavine 4mg, thiamine HCl 10mg/2mL amp

28. EAR, NOSE & OROPHARYNGEAL PREPARATIONS

28.1 Ear preparations

betamethasone ear/eye drops 0.1% H

clotrimazole	solution 1%	H
gentamicin	ear drops 0.3%	H

28.2 Nasal preparations

beclomethasone	nasal spray 50µg/metered dose	H
ephedrine	nasal drops 1% (for adults)	H
lignocaine + adrenaline	nasal drops 2% +1:100,000	Ref
xylometazoline	nasal drops 0.05%	HC4
xylometazoline	nasal drops 0.1%	HC4

28.3 Oropharyngeal preparations

lidocaine (lignocaine)	lozenges 4%	HC4
lidocaine (lignocaine)	spray 5%	HC4
miconazole	oral gel 2%	HC4
povidone-iodine	mouthwash/gargle 1%	HC3
triamcinolone acetonide	oral paste 0.1%	H

29. DRUGS FOR NEUROSURGICAL USE

29.1 For cerebral metabolism/perfusion

piracetam tablet 800mg	R
piracetam injection 125mg/mL IV/IM	R

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 Secretariat Office, Plot 93 Buganda Road
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 Email: nda@imul.com