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MEDICINES FOR PAEDIATRICS**
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FOREWORD

I have the pleasure to preface the 2022 Rwanda Standards Treatment Guidelines and the Essential Medicines List (STGs/EML). This is the second edition after the 2013 STGs and 2015 EML.

The development of the STGs/EML is an essential part of the improvement of the quality of health care delivery especially at the primary healthcare level. Rwanda is committed to the attainment of the 2030 SDGs and especially goal 3 i.e. “good health and well-being” with one its target to “Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all”

To attain the above-mentioned goals, special packaging of policies and strategies aligned to the Global Strategy for Women’s, Children’s and Adolescent’s Health were developed through the MNCH strategic plan 2018- 2024 ensuring coordinated action to address cross-cutting health needs of our future. These guidelines have therefore integrated this plan accordingly

Equally important, this 2022 STGs/EML integrates Rwanda global commitment to the implementation of the One Health Policy that set-up policies, implementation strategies to prevent and control zoonotic diseases, plant diseases, food safety and specifically antimicrobial resistance. Rwanda has therefore set up a One Health Multi-sectoral Coordination Mechanism (OH-MCM) that will allow antimicrobial resistance surveillance, guide and monitor the use of antibiotics in Rwanda. This policy is in line with our commitment to the WHO Global Action Plan on Antimicrobial Resistance (2018). We have therefore for the first time customized the WHO AWARE classification of antibiotics as well as the antibiotics prescription guidance. This will help not only reduce the current trend of antimicrobial resistance but importantly ensure better quality of healthcare of our population by reducing the negative impact of multi-drug resistance in Rwanda.

While the above global commitments inform our strategic choices, the STGs/EML are grounded first and foremost in our national diseases burden and specifically at the primary health care level. It is our hope that these guidelines will bring more evidence-based practice, more transparency in the care provision as well as access to efficient, affordable, and available medications in the country.

I would finally wish to acknowledge the strategic technical and financial contribution of the WHO that made this work possible despite the challenging environment due to Covid-19 pandemic.

This work would not have been possible without the active involvement of the professional medical/pharmacy societies/associations, that reviewed the literature, held numerous online discussions, peer-reviewed several drafts and came up with the most suitable guidelines.

Several other partners provided support to this project in one way or another and I wish to thank all of them for their usual support


Dr. NGAMIJE M. Daniel
Minister of Health



Acknowledgement

The Ministry of Health wishes to acknowledge the support of various stakeholders in the making of the 2022 Standards Treatment Guidelines (STGs) and Essential Medicines List (EML). Without their contributions, it wouldn't have been possible to complete this work despite the restrictions made necessary by the Covid-19 Pandemics.

The World Health Organization availed the required financial and technical support throughout the project and was flexible to adjust to the challenges brought about by the stringent environment.

World AIDS Campaign International (WACI) Health made a significant financial input to allowing a smooth running of the project.

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Clinton health access initiative (CHAI) have been instrumental and played a major role especially in developing the Clinical guidelines for hypoxemia screening and oxygen therapy administration in Neonates, children and adults.

The Ministry wishes to thank specifically all Rwanda Health professionals and pharmacy Societies and Associations for their self-less spirit and gave their time to patiently review and update the previous 2013 STGs and 2015 EML spending very long hours online very often late in the night.

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Special recognition goes also to the Experts Taskforce appointed by the MOH upon recommendation by the Medical and Pharmacy Societies and Associations. The team is composed as follows:

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General Guidance

Worldwide, the irrational use of medicine is becoming a big challenge in many health care systems especially in developing countries¹. By definition, the rational use of medicines requires that “patients receive medications appropriate to their clinical needs, in doses that meet their own individual requirements, for an adequate period of time, and at the lowest cost to them and their community”². Therefore, this process requires the implication of different health professionals particularly medicine prescribers and dispensers, as well as the end user, the patient. To improve the rational use of medicines, WHO and collaborators have developed different documents among which we can cite Guide to Good Prescribing, Good Prescription Practices, Good Dispensing Practices, adherence to medication. etc. The text below provides some key aspects that could help improving the use of medicines in Rwanda.

Good prescribing practices

Good prescribing practices concern prescriber, we are referring here to a person, mainly physician, who is prescribing a medicine. The prescriber has different roles: establish correct diagnosis, prescribe, recommend correct medicine or specialist, determine if the patient understood symptoms and measures to be taken (provide explanation if needed), and to look for information about the reason of treatment failure, and possible intervention of specialist. To play these important roles, the prescriber should base on the ten principles of good prescribing³:

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- 1 Mamo DB, Alemu BK. Rational Drug-Use Evaluation Based on World Health Organization Core Drug-Use Indicators in a Tertiary Referral Hospital, Northeast Ethiopia: A Cross-Sectional Study. *Drug Healthc Patient Saf*. 2020; 12:15-21 <https://doi.org/10.2147/DFGHPS.S237021>
 - 2 World Health Organization, The world medicines situations: chapter 8, rational use of medicines, 2010. WHO, Geneva, Switzerland. Available from: <http://apps.who.int/medicinedocs/en/d/JS/6160e/10.html>,
 - 3 <https://www.bps.ac.uk/education-engagement/teaching-pharmacology/ten-principles-of-good-prescribing>

Be clear about the reasons for prescribing;

- Take into account the patient's medication history before prescribing;
- Take into account other factors that might alter the benefits and risks of treatment;
- Take into account the patient's ideas, concerns, and expectations;
- Select effective, safe, and cost-effective medicines individualized for the patient;
- Adhere to national guidelines and local formularies where appropriate. Prescribing should then base on Standard treatment Guidelines (STGs), Essential Medicines List (EML), Standard Operating Procedures (SOPs) and recommendations from Drug Therapeutic Committee (DTC).
- Write unambiguous legal prescriptions using the correct documentation;
- Monitor the beneficial and adverse effects of medicines;
- Communicate and document prescribing decisions and the reasons for them;
- Prescribe within the limitations of your knowledge, skills and experience.
- Prescription writing

Medicines should be prescribed only when they are necessary in treatment following a clear diagnosis. Not all patients need a prescription for a medicine; non-pharmacological treatment may be suitable, and this has been highlighted in these guidelines. In all cases, the benefit of administering the medicine should be considered in relation to the risk involved. This is particularly important during pregnancy where the risk to both mother and foetus must be considered. A medical prescription should provide patient's name and date of birth, the name and strength of the medicine, dosage and instructions on how often to take the medicine, the route of administration, if the prescription would be refilling or not, the date, the name, phone and the signature of the prescriber.

Individualizing prescriptions

Before prescribing any medicine we should always keep in mind that some factors like age, weight, sex, race, illness, or patient physiological changes can influence drug reaction. In addition, some medicines are contraindicated or only used with caution for some category of patients (infant and children, pregnant and breastfeeding women, patient with renal failure, liver disease or menstruation). It is also important to notice that during the clinical development of new drug data generated through clinical trials do not cover all categories of patients.

Pregnant and breastfeeding women:

in both cases mother health and medication is connected to that of the foetus.

- During pregnancy some medicines are contraindicated because they can stimulate the uterine smooth muscle. In addition, many medicines administered to mother may pass through the placenta and affecting the foetus. Other drugs can cause teratogenicity (congenital malformation) or are harmful when they are used in pregnancy (case of thalidomide, cyclophamide, methotrexate, phenytoin, carbamazepine, progestogens, quinine, primaquine, trimethoprim, rifampicin, and some anesthetic).
- During breast-feeding: many medicines received by mother are likely to be found in her milk and can potentially affect the infant health. This is the case of the majority of the lipid soluble drugs that can be found in breast milk. Therefore, the drugs like sulphonamides and breast-feeding mothers should avoid tetracycline that are excreted in the milk and harm the infant health.
- Infants and children: sometimes infants and children are wrongly considered as small adults. Some drugs cannot be used in infants and children because they can be harmful or not well tolerated. Indeed, the pharmacokinetics parameters and drug safety may vary with the age.

In addition, the use of inappropriate dosage or formulation (not suitable for administration to neonates, infants and young children) may even occur for even drugs known to be safe for this category of patients. Therefore, it is highly recommended to always read the label on the bottle, and stick to the recommended dose, and use the special measures provided for paediatrics formulations. If in doubt, check with a Pharmacist.

Elderly renal failure:

Considering the role of kidney in drug elimination, renal failure affecting elderly people is a prescribing consideration. In this case, there is a high risk of having an accumulation of drug that can lead to toxicity, especially for medicines having a narrow therapeutic window. It is a paramount important to consider renal clinical test like serum creatinine and glomerular filtration rate prior to treatment adjustment. In case nephrotoxic or medicines impairing renal functions are used, renal function monitoring is recommended.

Liver disease:

The liver plays a pivot role in the metabolism and elimination of drugs. However, certain prescribed medicines may harm or increase the risk of developing liver damage if administered to people with liver diseases even if they are normally safe. That why medications that are known to be toxic to people with liver disease should be avoided or carefully used. The prescription of liver clinical tests would help to avoid any potential adverse reaction.

Good dispensing practice

Dispensing process includes the act of preparing and supplying medicines to a particular person with clear instructions, advice and counselling on the use of prescribed medicines where necessary. Dispensing process has six steps: reception and validation of the prescription, understanding the prescription, labelling and preparation of the medication, final check, record and delivery

and patient consultation making a cycle. Many errors like wrong interpretation of prescription (or diagnosis), retrieval of the wrong drug from stock, wrong dosages, inadequate packaging/labelling or inaccurate counting, inability or insufficient time to communicate to patients about therapy may occur during dispensing. Good dispensing practice provide guidance to ensure that the right medicines of desired quality are delivered correctly to the right patient with the right dose, strength, frequency, dosage form and quantity, together with clear instructions, both written and verbal and with appropriate packaging suitable for maintaining the quality and efficacy of the medicine⁴. The following strategies can help dispensers, mainly Pharmacists, respecting good dispensing practice and avoid the potential dispensing errors:

Patient knowledge

- Have a therapeutic goal (the prescribed medicine is the right answer? Have you included the patient in this decision?)
- Knowledge about the drug;
- Monitor for effects and adverse effects;
- Use your resources and;
- Good communication

Patience adherence and compliance

Adherence is the act or quality of sticking to something, steady devotion, and the act of adhering. We are referring here to treatment adherence, which, according to WHO, can be defined as the extent to which the patient follows medical instructions⁵. The adherence plays a key role not only for the rational use of medicines, but also for the health of the population or any improvement in specific medical treatments⁶.

4 Guide to good dispensing practice. 1st Edition. pharmaceutical services Division Ministry of Health Malaysia

5 Sabate E. WHO Adherence Meeting Report. Geneva, World Health Organization, 2001

6 Brown MT, Bussell JK. Medication adherence: WHO cares? Mayo Clin Proc. 2011;86(4):304-314. doi:10.4065/mcp.2010.0575

Indeed, poor treatment adherence can lead to unnecessary disease progression and complications; reduction of functional abilities and quality of life, but also to unneeded medication changes and high treatment cost. As long as the role of patient in rational use of medicine is concerned, we should also consider treatment compliance, another treatment aspect defined as the degree to which the patient conforms to medical advice about lifestyle and dietary changes as well as to keeping appointments for follow up and taking treatment as prescribed⁷. Therefore, health professionals particularly physician, nurses and pharmacists, should have good communication skills and then involve the patient in the treatment decision-making process to help him or her accepting and playing his/her key active role in the rational use of medicine.

Adverse drugs reactions

According to WHO, adverse drug reaction (ADR) or adverse drug effect is any response to a drug which is noxious and unintended, and which occurs at doses normally used in human for prophylaxis, diagnosis, or therapy of disease, or for the modification of physiological function⁸. ADR can have different severities (mild, moderate, severe or lethal) and can be classified into six types (with mnemonics): dose-related (Augmented), non-dose-related (Bizarre), dose-related and time-related (Chronic), time-related (Delayed), withdrawal (End of use), and failure of therapy (Failure)⁹. ADR can be predictable (unwanted or exaggerated pharmacological effects/side effects) or unpredictable (idiosyncratic (often linked to genetic anomalies, individual immunization, immunogenic hypersensitivity or allergic reactions). ADR should be taken into consideration when prescribing, and the patient should be aware.

7 <https://blog.cureatr.com/key-differences-between-treatment-adherence-vs-compliance>

8 Uppsala Monitoring Centre, WHO Collaborating Centre for International Drug Monitoring, Sweden, glossary, <http://www.who-umc.org/graphics/8321>

9 Edwards IR, Aronson JK. Adverse drug reactions: definitions, diagnosis, and management. *Lancet*. 2000 Oct. 7; 356 (9237):1255-9. doi: 10.1016/S0140-6736(00)02799-9. PMID: 11072960

Drugs interactions

Drug interaction is a phenomenon which occurs when the effects of one drug are modified by the prior or concurrent administration of another drug(s). A drug interaction may result in beneficial or harmful effects and may be classified into:

pharmaceutical drug interactions: case of incompatibilities of drugs administered by intravenous infusion generally occurring before the administration and can lead for example to turbidity or precipitation.

Pharmacokinetic drug interactions comprises the interaction occurring during the absorption, distribution, biotransformation, and during the excretion process of different drugs.

Pharmacodynamic interactions: occurs on the site of action. They include the case of drug synergism, and drug antagonism.

Palliative care

WHO defines palliative care as an approach that improves the quality of life of patients and their families facing the problem associated with life-threatening illness, through the prevention and relief of suffering by means of early identification and impeccable assessment and treatment of pain and other problems physical, psychosocial and spiritual¹⁰. The list of medicines used in palliative care are part of the Essential Medicines List but they can also be used for other diseases and conditions depending on their therapeutic activity. The use of medicines in palliative care aimed at alleviating pain and other distressing symptoms; affirming life and regards dying as a normal process; intending neither to hasten nor postpone death; enhancing quality of life, and positively influencing the course of illness. When prescribing medicine(s) used in palliative care it is important to mainly focus on patient but not on the disease.

10 WHO. Essential Medicines in Palliative Care. World Health Organization, 2013.

Narcotics

Narcotics are medicines that produce pain relief (analgesic effect), a state of stupor or sleep (narcosis), and addiction (physical dependence on the drug). Sometimes, narcotics can also produce euphoria (a feeling of great elation) for some patients who need then to undergo a specific treatment. Narcotics are mainly used for pain relief, but they should be used with great caution because of their addictive properties. Therefore, narcotic drugs must be brought under strict and controlled supply chain management, they should be provided in a planned way according to justifiable demand of medical treatment units, medical colleges or a scientific research institution.

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● ANAESTHETICS

-- | General anaesthetics and oxygen

Product name	Dosage Form & Strength	UTH/ RH	L2TH /PH	DH	MHC	HC	SGHP	FGH P	Co
Halothane	Inhalation	X	X	X					
Isoflurane	Inhalation	X	X	X					
Sevoflurane ¹	Inhalation	X	X						
Propofol	Inj. 20 mg/ml	X	X	X					
Ketamine	Inj. 50 mg /ml	X	X	X					
Oxygen	Inhalation (medical gas)	X	X	X	X	X	X		
Thiopental	Powder for inj. 1 g	X	X	X					
Thiopental	Powder for inj. 0.5 g	X	X	X					

UTH= University Teaching Hospital, RH= Referral hospital, L2TH= Level 2 teaching Hospital , PH= Provincial Hospital, DH= District Hospital, MHC= Medicalized Health center, HC= Health Centre, SGHP= Second Generation Health Post, FGHP= First Generation Health post, Co= Community

-- | Local anaesthetics

Product name	Dosage form & Strength	UTH/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Bupivacaine	Inj. 0.25 %	X	X	X					
Bupivacaine	Inj. 0.5 %	X	X	X					
Bupivacaine	Inj. for spinal anaesthesia: Bupivacaine 0.5 % + 7.5 % of Glucose	X	X	X					
Lidocaine	Inj. 2 %	X	X	X	x	X	X	X	
Lidocaine	Topical 2 to 4 %	X	X	X	x	X			
Lidocaine	Spray 10 % 50 ml	X	X	X	x	X			
Lidocaine	Gel 2 %	X	X	X					
Lidocaine + Epinephrine	Inj. 2 % + 1/200000	X	X	X					
Lidocaine + Epinephrine	Inj. 2 % + 1/80.000	X	X	X					

(dental cartridge)

Ephedrine	Inj. 30 mg/ml	X	X	X					
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¹Only for induction in pediatric only

-- | Preoperative medication and sedation for short-term procedures

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGH P	FGH P	Co
Atropine	Inj. 1 mg /ml	X	X	X	X				
Midazolam ²	Oral liquid 2 mg/ml	X	X	X	X				
Midazolam	Inj. 1 mg/ml	X	X	X	X				
Suxamethonium	Inj. 50 mg/ml	X	X	X	X				
Neostigmine	Inj. 0.5 mg/ml	X	X	X	X				
Vecuronium	Powder for inj.	X	X	X	X				
Morphine	Inj. 10 mg/ml	X	X	X	X				
Fentanyl	Inj. 50 µg/ ml	X	X	X	X				

● MEDICINES FOR PAIN AND PALLIATIVE CARE

-- | Non-opioids and non-steroidal Anti-inflammatory medicines

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Ibuprofen	Tab. 200 mg	X	X	X	X	X	X	X	
Ibuprofen ³	Susp. 100 mg/5 ml	X	X	X	X	X	X	X	
Paracetamol	Syrup 125 mg/5 ml	X	X	X	X	X	X	X	
Paracetamol	Suppo. 125 mg	X	X	X	X	X	X	X	
Paracetamol	Suppo. 250 mg	X	X	X	X	X	X	X	
Paracetamol	Inj. 1g	X	X	X					

-- | Opioid analgesics

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Morphine	Inj. 10 mg/ml	X	X	X					
Morphine	Tab. 10 mg	X	X	X	X*				
Morphine	Powder for oral sol	X	X	X	X*	X*			

²Do not use in infant less than 6 months of age

³Do not use in infant less than 3 months of age

X*: For Refilling after prescription from upper level of health system

-- | Medicines for other symptoms common in palliative care

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FG HP	Co
Amitriptyline	Tab. 10 mg; 25 mg	X	X	X	X*	X*			
Cyclizine	Inj. 50 mg/ml	X	X	X					
Cyclizine	Tab. 50 mg	X	X	X	X	X			
Dexamethasone	Inj. 4 mg/ml	X	X	X	X				
Dexamethasone	Tab. 2 mg	X	X	X	X				
Diazepam*	Inj. 5 mg/ml	X	X	X	X	X	X	X	
Diazepam	Oral liquid: 2 mg/5 ml	X	X	X	X	X			
Diazepam	Tab. 5 mg	X	X	X	X	X			
Diazepam	Tab. 10 mg	X	X	X	X	X			
Fluoxetine ⁴	Tab. 20 mg	X	X	X	X	X			
Docusate sodium	Caps.: 100 mg	X	X	X	X	X			
Docusate sodium	Oral liquid. 50 mg/5 ml	X	X	X	X	X			
Hyoscine butylhybromide	20 µg/ml	X	X	X	X	X	X		
Hyoscine butylhybromide	Tab. 5 mg	X	X	X	X	X	X	X	
Lactulose	Oral liquid: 3.1-3.7 g/5 ml	X	X	X	X	X	X		
Glycerine	Suppo. 1; 2 g	X	X	X	X	X	X		

Midazolam	Inj. 1 mg/ml; Inj. 5 mg/ml	X	X	X					
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X : Prescription by a medical Doctor or mental health nurse*

Diazepam inj. is prescribed at health center, Health posts for seizure before transfer only

-- | Antiallergics and medicines used in anaphylaxis

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGH ^P	FGHP	Co
Dexamethasone	Inj. 4 mg/ml	X	X	X	X	X*	X*		
Hydrocortisone	Inj. 100 mg	X	X	X	X	X*	X*		
Epinephrine (adrenaline)	Inj. 1 mg/ ml 1 ml	X	X	X					
Desloratidine ⁵	Tab. 5 mg	X	X	X	X	X	X	X	
Desloratidine	Oral solution 0.5 mg/ml (2.5mg/5 ml)	X	X	X	X	X	X	X	
Chlorpheniramine	Syrup 2 mg/5 ml	X	X	X	X	X	X	X	
Chlorpheniramine	Tabs. 2 mg; 4 mg	X	X	X	X	X	X	X	

⁴Not recommended for children under 8 years

⁵For children above 1 year

X*: given as single dose before referral to upper level

● ANTIDOTES AND OTHER SUBSTANCES USED IN POISONINGS

-- | Non-specific

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Charcoal activated	Powder 25 mg	X	X	X	X	X	X	X	

-- | Specific

Product name	Dosage form & Strength	UT H/ RH	L2 TH /P H	DH	MHC	HC SG HP	FGHP	Co
Acetyl cysteine (N-)	Inj. 200 mg/ml	X	X	X				
Atropine	Inj. 1 mg/ml	X	X	X	X			
Naloxone	Inj. 400 µg/1ml	X	X	X				
Deferoxamine or Desferrioxamine	Powder for inj. 500 mg	X	X	X				
Sodium Bicarbonate	Inj. 8.4 % .10 ml	X	X	X				
Flumazenil	Inj. 0.25 mg/5 ml	X	X	X				
Intralipid or Total Parental Nutrition	Inj. 20 % 100 ml	X	X	X				
Pralidoxim	In. 20 mg/ml	X	X	X				
Protamine	Inj. 5000 IU/5 ml	X	X					

● ANTICONVULSANTS/ ANTIEPILEPTICS

Product name	Dosage form & Strength	UTH/ RH	L2TH/ PH	DH	MHC	HC	SGH P	FGHP	Co
Valproic acid (and Salts)	Tab. 200 mg	X	X	X	X	X	X*	X*	
Valproic acid (and Salts)	Tab. 300 mg	X	X	X	X	X	X*	X*	
Valproic acid (and Salts)	Syrup 200 mg/5 ml	X	X	X	X	X	X*	X*	
Carbamazepine	Tab. 200 mg	X	X	X	X	X	X*	X*	
Carbamazepine	Syrup 100 mg/5 ml	X	X						
Diazepam	Inj. 5 mg/ml	X	X	X	X	X			
Diazepam	Tab. 5 mg	X	X	X	X	X	X*	X*	
Phenobarbital	Tab. 30 mg	X	X	X	X	X	X*	X*	
Phenobarbital	Tab. 50 mg	X	X	X	X	X	X*	X*	
Phenobarbital	Inj. 100 mg/ml 2	X	X	X	X	X	X*	X*	

	ml								
phenytoin	Tab. 100 mg	X	X	X	X				
Phenytoin	Inj. 250 mg/5 ml	X	X	X					
Lorazepam ⁶	Tab. 1 mg	X	X	X					
Clonazepam	Syrup 25 mg/ml	X	X	X					
Clonazepam	Tab. 0.5mg	x							
Levetiracetam	Tab. 500 mg/ Tab 250mg	X							
Levetiracetam	Oral solution 100 mg/ml	X							

X*: only for Refills on medication prescribed at upper levels of health system

● ANTI-INFECTIVE MEDICINES

-- | Anthelmintics

▶ Intestinal antihelminthics

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Mebendazole	Tab. 100 mg or 500 mg	X	X	X	X	X	X	X	X
Mebendazole	Susp. 100 mg/5 ml	X	X	X	X	X	X	X	
Albendazole	Susp. 200 mg/5 ml	X	X	X	X	X	X	X	
Albendazole	Tab. 200 mg; 400 mg	X	X	X	X	X	X	X	X
Nicosamide	Tab. 500 mg	X	X	X	X	X	X	X	X
Oxantel pamoate	Susp. 50 mg/ ml	X	X	X	X	X			
Pyrantel pamoate	Oral liquid 50 mg/ml	X	X	X	X	X			
Nicosamide	Tab. 500 mg (chewable)	X	X	X	X	X	X	X	

⁶To be used in children > 1 month of age

► Antifilarials

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Ivermectine	Tab. 3 mg	X	X	X	X	X	X	X	
Diethylcarbama zine	Tab. 50 mg, 100 mg	X	X	X	X	X			

► Antischistosomal and other antitrepatode medicines

Product name	Dosage form & Strength	UT H/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Praziquantel	Tab. 150 mg, 600 mg	X	X	X	X	X			

-- | ANTIBACTERIALS

► Beta Lactam medicines

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FGHP	Co
Amoxicillin	Caps. 250 mg, 500 mg	X	X	X	X	X	X	X	
Amoxicillin	Tab 125 mg (dispersible)	X	X	X	X	X	X	X	X
Amoxicillin	Injectable 250 mg	X	X	X					
Amoxicillin	Injectable 500 mg	X	X	X					
Amoxicillin	Inj. 1 g	X	X	X					
Amoxicillin	Susp. 125 mg /5 ml	X	X	X	X	X	X	X	
Amoxicillin/Clavulanic Acid	Susp. 125 mg + 31.25 mg	X	X	X					
Amoxicillin/Clavulanic Acid	Tab. 500 mg + 125 mg	X	X	X					
Amoxicillin/Clavulanic Acid	Powder for inj.: 500 mg + 100 mg; 1000	X	X	X					

	mg + 200 mg								
Ampicillin	Inj. Powder for inj. 500 mg	X	X	X	X	X			
Ampicillin	Inj. Powder for inj. 1 g	X	X	X	X	X			
Benzathine benzylpenicillin	Powder for inj. 2.4 MIU	X	X	X	X	X			
Procaine benzylpenicillin forte	Powder for inj. 1 or 3 MIU	X	X	X	X	X			
Benzylpenicillin	Powder for inj. 5 MIU	X	X	X	X	X			
Cloxacillin	Caps. 250 mg	X	X	X	X	X	X	X	
Cloxacillin	Susp. 125 mg	X	X	X	X	X	X	X	
Cloxacillin	Powder for inj. 500 mg	X	X	X	X				
Phenoxymethylpenicillin	Tab. 250 mg	X	X	X	X	X	X	X	
Cefadroxil	Susp. 125 or 250 mg/5 ml	X	X	X					
Cefadroxil	Caps. 500 mg	X	X	X					
Cefotaxime	Powder for inj. 1g	X	X	X					
Ceftriaxone	Powder for inj. 1g	X	X	X					
Ceftazidime	Powder for inj. 1g	X	X						
Imipenem/Meropenem	Powder for Inj. 500 mg, 1g	X	X						
Cefixime	Susp. 50 mg/5 ml	X	X	X					
Cefixime	Caps.: 200 mg	X	X						
Cefuroxime	Tab 500 mg	X	X	X					
Cefuroxime	Susp. 125 mg/5 ml	X	X	X					

At health center or medicalized health center, Ampicillin is given for pneumonia as dose before transfer, If given by nurses.

► Other antibacterial

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Azithromycin	Caps. 250 mg	X	X	X	X	X			
Azithromycin	Syrup 200 mg/5 ml	X	X	X	X	X			
Chloramphenicol ⁷	Oil susp. for inj. 0.5 g/2 ml	X							
Chloramphenicol	Caps.: 250 mg	X	X	X					
Ciprofloxacin	Tab. 250 mg	X	X	X	X	X	X	X	
Ciprofloxacin	Inj. 2 mg/ml	X	X	X					
Doxycycline	Tab. 100 mg	X	X	X	X	X	X	X	
Erythromycin	Tab. 250 mg	X	X	X	X	X	X	X	
Erythromycin	Oral susp. 125 mg/5 ml	X	X	X	X	X	X	X	
Erythromycin	Ointment 0.5 %	X	X	X					
Clarithromycin	Tab. 250 mg	X	X	X	X				
Gentamicin	Inj. 40 mg /ml	X	X	X	X	X			
Metronidazole	Tab. 250 mg	X	X	X	X	X	X	X	
Metronidazole	Inj. 500 mg /100 ml	X	X	X					
Metronidazole	Oral susp. 200 mg/5 ml	X	X	X	X	X	X	X	
Nitrofurantoin	Tab. 100 mg	X	X	X	X	X	X	X	
Sulfamethoxazole/ Trimethoprim	Tab., 100 mg + 20 mg	X	X	X	X	X	X	X	
Sulfamethoxazole/ trimethoprim ⁸	Tab. 400 mg + 80 mg	X	X	X	X	X	X	X	
Sulfamethoxazole/ trimethoprim	Oral susp. 200 mg + 40 mg/5 ml	X	X	X	X	X	X	X	
Sulfamethoxazole/ trimethoprim	Inj. 80 mg + 16 mg/ml	X	X	X					
Clindamycin	Tab. 150 mg	X	X	X					
Clindamycin	Inj. 150 mg/ml	X	X						
Vancomycin ⁹	Powder for inj. 250 mg	X	X	X					
Ciprofloxacin	Oral liquid: 250 mg/5 mL (anhydrous)	X	X	X	X	X			
Ciprofloxacin	Ear drop 0.3% (as HCl)	X	X	X					
Amikacin	Inj.: 250 mg (as	X							

sulfate)/mL
in 2- mL vial

⁷ Please check a possible risk of palpitation which may occur after administration

At health center or medicalized health center, Gentamicin is given for pneumonia as dose before transfer, If given by nurses.

-- | ANTI TUBERCULOSIS MEDICINES

Product name	Dosage Form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Ethambutol	Tab. 100 mg	X	X	X	X	X			
Isoniazide	Tab. 100 mg	X	X	X	X	X			
Pyrazinamide	Tab. 400 mg	X	X	X	X	X			
Rifampicine	Caps. 150 mg	X	X	X	X	X			
Rifampicine	Caps. 300 mg	X	X	X	X	X			
Rifampicine + isoniazide	Tab. 150 mg + 75 mg	X	X	X	X	X			
Prothionamide	Tab. 250 mg	X	X	X	X	X			
Cycloserine	Tab. 250 mg	X	X	X	X	X			
Para amino salicylic acid	Granules 4 g	X	X	X	X	X			
Moxifloxacin	Tab. 400 mg	X	X	X	X	X			
Rifampicine + Isoniazide + Pyrazinamide	75 mg + 50 mg + 150 mg	X	X	X	X	X			
Clofazimine	Tab. 50 mg	X	X	X	X	X			
Levofloxacin	Tab. 100 mg	X	X	X	X	X			
Levofloxacin	Tab. 250 mg	X	X	X	X	X			
Rifampicine + isoniazide	Tab. 75 mg + 50 mg	X	X	X	X	X			

⁸ For HIV patients only

⁹ To be prescribed only by a specialist

-- | ANTIFUNGAL MEDICINES

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Fluconazole	Susp. 50 mg/ml	X	X	X	X				
Griseofulvin	Tab. 125 mg; 250 and 500 mg	X	X	X	X	X	X	X	
Nystatin	Susp. 100.000 UI	X	X	X	X	X	X	X	
Nystatin	Tab. 500.000 UI	X	X	X	X	X	X	X	
Amphotericin B	Powder for inj. 50 mg	X	X	X					
Natamycin	Suspension 5%	X	X	X					

-- | ANTIVIRALS

▶ Antiherpetics

Product name	Dosage form & Strength	UTH /RH	L2T H/PH	DH	MHC	HC	SGHP	FG HP	Co
Acyclovir	Tab. 200 mg 400 mg	X	X	X	X	X	X	X	
Acyclovir	Inj. Powder 250 mg	X	X	X					
Acyclovir	Cream 5%	X	X	X	X	X	X		

⁸Contra-indicated for infant less than 3 months

▶ Antiretrovirals

Product name	Dosage form & Strength	UT H/ RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Lamivudine (3TC)	Oral solution 10 mg/ml	X	X	X	X	X			
Zidovudine (AZT)	Oral solution 10 mg/ml	X	X	X	X	X			
Abacavir (ABC) ¹⁰	Oral solution 20 mg/5 ml	X	X	X	X	X			
Efavirenz (EFV)	Tab. 200 mg	X	X	X	X	X			
Nevirapine (NVP)	Oral solution 10 mg/ml	X	X	X	X	X			
Etravirine (ETV)	Tab. 25 mg	X	X	X	X	X			
Etravirine (ETV)	Tab. 100 mg	X	X	X	X	X			
Ritonavir + Lopinavir	Oral solution 80/20 mg/ml	X	X	X	X	X			

Ritonavir + Lopinavir	Tab.100/25 mg	X	X	X	X	X			
Atazanavir	Tab. 200 mg	X	X	X	X	X			
Atazanavir	Tab. 150 mg	X	X	X	X	X			
Darunavir	Tab. 150 mg	X	X	X	X	X			
Darunavir	Tab.75 mg	X	X	X	X	X			
Ritonavir+ Lopinavir	Caps. 10/40 mg (pellets)	X	X	X	X	X			
Ritonavir+ Lopinavir	Tab.200/50 mg	X	X	X	X	X			
Raltegravir	Tab. 400 mg	X	X	X	X	X			
Dolutegravir	Tab. 50 mg	X	X	X	X	X			
Zidovudine/Lamivudine	Tab. 60/30 mg	X	X	X	X	X			
Abacavir/Lamivudine	Tab. 120/60 mg	X	X	X	X	X			
Abacavir/Lamivudine	Tab. 600/300 mg	X	X	X	X	X			
Emtricitabin/Tenofovir	Tab. 200/300 mg	X	X	X	X	X			
Tenofovir/Lamivudine/ Dolutegravir	Tab. 300/300/50 mg	X	X	X	X	X			
Zidovudine/Lamivudine	Tab. 300/150 mg	X	X	X	X	X			
Ritonavir	Tab.100 mg	X	X	X	X	X			

-- | ANTIPROTOZOAL MEDICINES

▶ Antiprotozoal Medicines

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Metronidazole	Tab. 250 mg;	X	X	X	X	X	X	X	
Metronidazole	Inj. 500 mg	X	X	X					
Metronidazole	Oral susp. 200 mg /5 ml	X	X	X	X	X	X	X	
Tinidazole	Tab. 100 mg	X	X	X	X	X	X	X	
Niclosamide	Tab. 500 mg (chewable)	X	X	X	X	X	X	X	
Metronidazole	Vaginal tab. 500mg	X	X	X	X	X	X	X	

¹¹The intramuscular use of Quinine is prohibited in all health centers in Rwanda. Never use IV bolus injection

Antimalarial medicines

★ CURative treatment medicines

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Artemether + Lumefantrine	Disp. 20 mg+120 mg	X	X	X	X	X	X	X	X
Artesunate	Inj. 60 mg	X	X	X	X	X	X	X	
Quinine	Tab. 300 mg	X	X	X	X	X	X	X	
Quinine ¹¹	Inj. 300 mg/ ml	X	X	X	X	X			
Dihydroxyartemisinin- Piperazine	20 mg/160 mg	X	X	X	X	X	X	X	
Dihydroxyartemisinin- Piperazine	40 mg/320 mg	X	X	X	X	X	X	X	
Mefloquine	Tab. 250 mg	X	X	X					

-- | ANTINEOPLASTICS AND IMMUNOSUPPRESSIVES

▶ Cytotoxic and adjuvant medicines

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Folinic acid	Tab. 15 mg	X	X						
Asparaginase	Powder for inj. 10000 IU	X	X						
Bleomycin	Inj. 15 mg	X	X						
Cyclophosphamide	Tab. 25 mg	X	X						
Cyclophosphamide	Inj. 500 mg	X	X						
Doxorubicin	Powder for inj. 10 mg, 50 mg	X	X						
Methotrexate	Tab. 2.5 mg	X	X						
Methotrexate	Inj. 50 mg	X	X						
Vincristine	Powder for Inj. 1 mg	X	X						
Mercaptopurine	Tab. 50 mg	X	X						

Hydroxycarbamide	Caps 200 mg	X	X						
Daunorubicin	Inj. 50 mg	X	X						
Dactinomycine	Inj. 50 µg	X	X						
Tamoxifene citrate	Tab. 20 mg	X	X						
Anastrozole	Tab. 1 mg	X	X						
Letrozole	Tab. 2.5 mg	X	X						
Cisplatin	Inj. 1 mg/ml	X	X						
Imatinib	Tab. 100 mg	X	X						
Merfalan	Tab. 2 mg	X	X						
Trastuzumab	Inj. powder for inj.150 mg	X	X						
Zoledronate	Inj. 5 mg/100ml	X	X						
Oxaliplatin	Inj. 5 mg/ml	X	X						
Carboplatin	Inj. 10 mg/ml	X	X						
Paclitaxel	Inj. Powder for Inj. 6 mg/ ml	X	X						
Ifosfomide	Inj. Powder for inj. 500 mg	X	X						
Fluorouracil (5-FU)	Inj. 50 mg/ml	X	X						
Fluorouracil (5-FU)	Cream 0.5%, 1% and 5%	X	X						
Irinotecan	Inj. 20 mg/ml	X	X						
Docetaxel	Inj. 20 mg/ml	X	X						
Temozolamide	150 & 250 mg	X	X						

Butaro Hospital is considered as Referral hospital for cancer treatment, and its Essential Medicines Lists are the same as for UTH

► Immunosuppressants

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FG HP	Co
Hydrocortisone	Inj. 100 mg/ml	X	X	X	X*	X*	X*		
Prednisolone	Tab. 5 mg	X	X	X	X*	X*	X*		
Methylprednisolone	Inj. 40 mg/ml, 80 mg/ml	X	X						
Dexamethazone	Inj. 4 mg/ml	X	X	X	X*	X*	X*		
Interferons α-2a	Inj. 10000000IU/1.2 ml	X	X						
Interferons α-2b	Inj. 10000000IU/1.2 ml	X	X						
Tacrolimus	Tab. µg 500	X							

Cyclosporine	Caps. 25 mg	X							
Mycophenolate Mofetil	250 mg	X							
Rituximab	Inj.	X							

X*: Given on refill

Butaro Hospital is considered as Referral hospital for cancer treatment, and its Essential Medicines Lists are as the same as for UTH

● MEDICINES AFFECTING THE BLOOD

-- | Antianaemia medicines

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Folic acid	Tab. 5 mg	X	X	X	X	X	X	X	X
Hydroxocobalamin (Vitamin B12)	Inj. 1 mg/ml	X	X	X	X	X			
Ferrous salt	Tab. 60 mg	X	X	X	X	X	X	X	
Ferrous salt	Syrup 25 mg/5 ml	X	X	X	X	X	X	X	
Ferrous salt	Syrup 50 mg/5 ml	X	X	X	X	X	X	X	
Ferroussalt + folic acid	Syrup 60 mg + 400 µg	X	X	X	X	X	X	X	
phytomenadione (Vitamin K)	Inj. 1 mg/ml; 10 mg/ml	X	X	X	X	X	X	X	
Red blood cell	Inj.	X	X	X					
Hydroxyurea	Caps. 500 mg	X	X						

-- | Medicines affecting coagulation

Product name	Dosage form & Strength	UTH/RH	L2TH/H/PH	DH	MHC	HC	SGHP	FGHP	Co
Heparin sodium	Inj. 5000 IU/ml	X	X	X					
Protamine sulfate	Inj. 10 mg/ml	X	X	X					
Enoxaparin	Inj. 20 mg/ml; 100 mg/1 ml	X	X	X					
Rivaroxaban ¹²	Tan 10, 15 or 20 mg	X	X	X					
Warfarin	Tab 1 mg	X	X	X	X*	X*			
Warfarin	Tab 5 mg	X	X	X	X*	X*			
Warfarin	Tab 2 mg	X	X	X	X*	X*			

Hydroxocarbamide (vitamin B12)	Inj. 1mg/ml	X	X	X					
phytomenadione (Vitamin K)	Inj. 1 mg/ml, 10 mg/ml	X	X	X	X	X	X	X	
Phytomenadione	Tab. 10 mg	X	X	X	X	X	X	X	
Etamsylate	Tab. 250 mg	X	X	X	X				
Etamsylate	Inj. 250 mg/2 ml	X	X	X	X				

¹²For prophylaxis for certain major surgery cases confirmed by two specialists and in case of confirmed DVT

Warfarin may be given on refill at MHC and HC if prescribed by medical Doctors at hospitals and regular follow up is made.

● CARDIOVASCULAR MEDICINES

-- | Medicines used in heart failure

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Digoxin	Oral sol. 50 µg /ml	X	X	X					
Digoxin	Tab. 250 µg	X	X	X					
Digoxin	Inj. 250 µg /ml	X	X	X					
Furosemide	Inj. 10 mg/ml	X	X	X					
Furosemide	Oral liquid: 20 mg/5 ml	X	X	X					
Carvedilol	Tab. 6.25 mg; 12.5 mg	X	X	X					
Dopamine	Inj. 40 mg/ml	X	X	X					
Hydrochlorothiazide	Tab. 25 mg	X	X	X	X	X	X*	X*	
Dobutamine	Inj. 250 mg/5 ml	X	X	X					

Hydrochlorothiazide is given at health posts on refill.

-- | Antihypertensive medicines

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Nifedipine	Tab. 10 mg	X	X	X	X	X	X*	X*	
Amlodipine	Tab. 5 mg	X	X	X	X	X	X*	X*	
Amlodipine	Tab. 10 mg	X	X	X	X	X	X*	X*	
Furosemide	Inj. 10 mg/ml	X	X	X					
Atenolol	Tab 25 mg	X	X	X					

Propranolol	Tab. 10 and 20 mg	X	X	X					
Hydralazine	Inj. 20 mg/ml	X	X	X					
Captopril	Tab. 25 mg	X	X	X					

X*: only for Refills on medication prescribed at upper levels of health system

-- | Anti arrhythmic Medicines

Product name	Dosage form & Strength	UTH/RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Adenosine	Inj. 3 mg/ml	X	X						
Amiodarone	Inj. 150 mg/3 ml	X	X						
Amiodarone	Tab. 100 mg	X	X						
Amiodarone	Tab. 200 mg	X	X						
Digoxin	Oral sol. 50 µg /ml	X	X	X					
Digoxin	Tab. 250 µg	X	X	X					
Digoxin	Inj. 250 µg /ml	X	X	X					
Propranolol	Tab. 10 and 20 mg	X	X	X					
Captopril	Tab. 25 mg	X	X	X					

-- | Diuretics

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Furosemide	Inj. 10 mg/ml	X	X	X					
Furosemide	Tab. 40 mg	X	X	X	X	X	X*	X*	
Furosemide	Oral susp. 20 mg/5 ml	X	X	X	X	X	X*	X*	
Hydrochlorothiazide	Tab. scored, 25 mg	X	X	X	X	X	X*	X*	
Mannitol	Inj. 10 %	X	X	X	X*				
Mannitol	Inj. 20 %	X	X	X	X*				
Spironolactone	Tab. 25 mg	X	X	X	X	X	X*	X*	
Acetazolamide	Tab 250 mg	X							

X*: only for Refills on medication prescribed at upper levels of health system

● ANTIMIGRAINE MEDICINES

-- | Medicines for treatment of acute attack

Product name	Dosage form & Strength	UT H/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Paracetamol	Tab. 500 mg or 100 mg	X	X	X	X	X	X	X	
Ibuprofen	Tab. 200 mg	X	X	X	X	X	X	X	

-- | Prophylaxis

Product name	Dosage form & Strength	UTH /RH	L2TH /PH	DH	MHC	HC	SGHP	FGH P	Co
Propranolol	Tab. 20 mg	X	X	X					
Cinnarizine	Tab. 25 mg	X	X	X					

● DERMATOLOGICAL MEDICINES

-- | Anti-fungal medicines

Product name	Dosage form & Strength	UTH /RH	L2TH /PH H	DH	MHC	HC	SGHP	FG HP	Co
Miconazole	Cream or ointment 2 %	X	X	X	X	X	X	X	
*Terbinafine	Cream or ointment 1 %	X	X	X					
Miconazole	Oral gel 24 mg/ml 5-10 ml	X	X	X					

*Dermatologists only prescription.

-- | Anti-infective medicines

Product name	Dosage form & Strength	UTH/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Potassium permanganate	Aqueous solution 1:10000	X	X	X	X	X	X	X	
Silver sulfadiazine	Cream 1 %	X	X	X	X	X	X	X	
Povidone iodine	Solution 1 %	X	X	X	X	X	X	X	18
Sodium bicarbonate	Powder	X	X	X	X	X	X	X	

Alveogyl	Paste 10 g	X	X	X					
Paromomycin	Solution for intramuscular inj.: 750 mg	X	X	X	X	X			

-- | Anti-inflammatory and antipruritic Medicines

Product name	Dosage form & Strength	UT H/R H	L2T H/PH	DH	MHC	HC	SGHP	FGH P	Co
Betamethasone	Cream or ointment 0.1 %	X	X	X	X	X*	X*	X*	
Calamine	Lotion	X	X	X	X	X*	X*	X*	
Hydrocortisone	Cream or ointment 1 %	X	X	X	X	X*	X*	X*	
Betamethasone	IM, 12 mg	X	X	X					
Betamethasone	Syrup 0.05 %	X	X	X					
Hydrocortisone	Inj.	X	X	X					
Cetirizine	Oral solution 5 mg/5 ml	X	X	X	X	X	X	X	
Sodium cromoglycate	Eye drops, 0.1 %; 0.5 %	X	X	X	X	X	X	X	
Methylcellulose	Eye drops 1 %	X	X	X	X	X	X	X	

X*: Maximum use for steroid anti-inflammatory medicines at Health center, SGHP and FGHP is for 5 days

-- | Medicines affecting skin differentiation and proliferation

Product name	Dosage form & Strength	UT H/R H	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Benzoyl peroxide	Cream or lotion. 3; 5 and 10 %	X	X	X	X	X	X	X	
Salicylic acid	Cream 10 % to 25%	X	X	X	X	X	X	X	
Salicylic acid	Powder 5 %	X	X	X					
Urea	Cream 3 %; 5 %	X	X	X	X				
Urea	Powder	X	X	X					
Silver nitrate	Pencil	X	X	X	X	X			

-- | Scabicide and Pediculicides

Product name	Dosage form & Strength	UT H/R H	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Benzyl benzoate ¹³	Lotion: 25 %	X	X	X	X	X	X	X	
Permethrin	Cream: 5 % or lotion: 1 %	X	X	X	X	X	X	X	
Ivermectin tab	Tablet	X	X	X					
Sulfur	Ointment 10 %	X	X	X					

¹³Not recommended for children less than 2 years

-- | Antimicrobials

Product name	Dosage form & Strength	UT H/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Tetracycline	Ointment 3 %	X	X	X	X	X	X	X	
Fusidic acid ¹⁴	Cream 2 % and ointment	X	X	X					

-- | Antivirals

Product name	Dosage form & Strength	UT H/ RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Acyclovir	Cream or ointment 5 % Tabs and Injectable	X	X	X					

-- | Keratolytics

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Vaseline ¹⁵	Ointment	X	X	X					
Lanoline	Ointment	X	X	X					
Lanoline + Vaseline	Ointment 50 % + 50 %	X	X	X	X	X			
Zinc oxide	Ointment is the right dosage form	X	X	X	X	X	X		

-- | Miscellaneous

Product name	Dosage form & Strength	UTH /RH	L2 TH/ PH	DH	MHC	HC	SGHP	FG HP	Co
Meladinine	Sol. 0.1% or 0.75%	X							
5-Fluorouracyl	Cream 5 %	X	X	X					
*Sunscreen spf 50	Lotion	X	X	X	X	X			
Silver nitrate	Pencil	X	X	X	X	X			
Desloratidine	Syrup	X	X						
¹⁵ Dimeticone	Solution/lotion	X	X	X					

¹⁴Restrict use to < 14 days

¹⁵To be prescribed by a dermatologist

*Only use for people with skin disabilities (albinism)

● GASTROINTESTINAL MEDICINES

-- | Antiulcer medicines

Product name	Dosage form & Strength	UTH /RH	L2 TH/ P H	DH	MHC	HC	SGHP	FG HP	Co
Ranitidine	Inj. 25 mg/ml	X	X	X					
Ranitidine	Tab., 150 mg	X	X	X					
Omeprazole	Caps. 20 mg	X	X	X	X	X	X	X	
Cimetidine	Inj. 200 mg	X	X	X					
Aluminum/Magnesium Hydroxide	Tab. 500 mg	X	X	X	X	X	X	X	

-- | Antiemetic medicines

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Dexamethasone	Inj. 4 mg/ml	X	X	X	X	X	X	X	
Dexamethasone	Oral sol 2 mg/5 ml,	X	X	X	X	X*	X*	X*	
Dexamethasone	Tab. 4 mg	X	X	X	X	X*	X*	X*	
Metoclopramide	Syrup, 5 mg /5 ml	X	X	X	X	X	X	X	
Metoclopramide	Inj. 5 mg/ml	X	X	X	X	X	X		
Metoclopramide	Tab. 10 mg	X	X	X	X	X	X	X	
Ondansetron	Oral liquid 4 mg base/5 ml	X	X	X					
Ondansetron	Injectable 2 mg base/ ml	X	X	X					

X: Maximum use for steroid anti-inflammatory medicines at Health center, SGHP and FGFGHP is for 5 days*

-- | Laxatives

Product name	Dosage form & Strength	UTH/R H	L2T H/PH	DH	MHC	HC	SGHP	FG HP	Co
Lactulose	Oral liquid: 3.1-3.7 g/5 ml	X	X	X	X	X	X	X	
Paraffin oil	Bottle 250 ml	X	X	X	X	X	X	X	
Glycerin	Suppo. infant and child	X	X	X	X	X	X		

-- | Medicines Used In Diarrhoea

► Oral Rehydration

Product name	Dosage form & Strength	UTH/RH	L2T H/PH	DH	MHC	HC	SGHP	FG HP	Co
Oral rehydration salts	Oral sol. 20.5 g/l	X	X	X	X	X	X	X	X
ReSoMal	Oral sol.	X	X	X	X	X	X	X	
Zinc Sulfate	Tab. 10 mg, 20 mg	X	X	X	X	X	X	X	X

HORMONES AND OTHER ENDOCRINE MEDICINES

-- | Adrenal hormones and synthetic substitutes

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Adrenal hormones and synthetic substitutes	Tab. 60 mg	X	X	X					
Adrenal hormones and synthetic substitutes	Tab. 50 µg 100 µg	X	X	X					
Fludrocortisone	Tab. 100 µg	X	X						
Hydrocortisone	Tab. 5 mg; 10 mg; 20 mg	X	X	X					

-- | Medicines used for diabetes

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Insulin Long acting	Inj. 100 IU/ml	X	X	X	X	X			
Insulin with intermediate action	Inj. 100 IU/ml	X	X	X	X	X			
Insulin rapid action	Inj. 100 IU/ml	X	X	X	X	X			
Potassium (chloride)	Solution 7.4 % 10 ml vial	X	X	X					
Potassium (chloride)	Tab. 600 mg	X	X	X					

-- | Thyroid hormones

Product name	Dosage form & strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Levothyroxine	Tab. 25 mcg, 50 mcg, 100 mcg	X	X	X	X				
Leuprolide	Amps 3.75mg, 7.5mg, 11.25mg	X							
Methimazole	Tab.: 5 mg, 10 mg, 20 mg	X							

-- | Miscellaneous

Product name	Dosage form & strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Gosereline	Inj 3.6 mg	X							
Estrogen	Cream	X							

● IMMUNOLOGICALS

-- | Sera and immunoglobulins

Product name	Dosage form & Strength	UT H/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Diphtheria antitoxin	Sol., 10000IU, 20000IU	X	X	X	X	X	X		
Antirabies immunoglobulin	Sol. inj. 150 IU/ml	X	X	X	X	X	X		
Antitetanus immunoglobulin	Sol. Inj., 500 IU	X	X	X	X	X	X		
Human Immunoglobulin anti-D	Sol. Inj. 250 µg	X	X	X	X	X	X		
Anti snake venom immunoglobulin	Inj. for infusion	X	X	X	X	X	X		
Normal	Intramuscular: 16 % protein solution	X	X	X					

immunoglobulin									
Hepatitis B immunoglobulin	Inj. (intramuscularly)	X	X	X					

-- | Vaccines administered at Health Centre level and in private facilities

Currently Available Vaccines		
Vaccine	Total doses	Age and interval
BCG	1	Birth
OPV/IPV	4	Birth, 6, 10, 14 weeks
DTP or DTP-HepB-Hib	3	6, 10, 14 weeks
Measles ⁴ , Rubella	2	9 months, 15 months
TT (Tetanus toxoid) (pregnant women)	2	During pregnancy and adolescence period
Pneumococcal Conjugate Vaccine	3	6, 10, 14 weeks
HPV	3	HPV for each cohort 10-14 years old girls
Rotavirus vaccine ¹⁶	3	6, 10, 14 weeks

¹⁶Rotavirus vaccine will be given in 3 doses, the first dose no later than 15 weeks of age and the last dose by 32 weeks of age

-- | General vaccines

Product name	Dosage form & Strength	UT H/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Measles vaccine	10 doses	X	X	X	X	X	X		
BCG vaccine	20 doses	X	X	X	X	X	X		
Poliomyelitis vaccine	Oral sol. 20 doses	X	X	X	X	X	X		
Diphtheria vaccine DTP- Hep B+Hib	2 doses	X	X	X	X	X	X		
Tetanus vaccine	10 doses	X	X	X	X	X	X		
Hepatitis B vaccinee	Inj.	X	X	X	X	X	X		

-- | Vaccines reserved to certain groups and materials

Product name	Dosage form & Strength	UTH /RH	L2TH/ PH	DH	MHC	HC	FGHP	Co
Meningococcal meningitis	10 and 50 doses	X	X	X	X	X		
Rabies vaccine	1 dose and 5 doses	X	X	X	X	X		
OPV	20 doses	X	X	X	X	X		
Pneumococcal vaccine	1 dose	X	X	X	X	X		
Tetanus vaccine	10 doses	X	X	X	X	X		
BCG AD syringes	0.05 ml	X	X	X	X	X		

● MUSCLE RELAXANTS AND CHOLINESTERASE INHIBITORS

Product name	Dosage form & strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Neostigmine	Tab. 15 mg	X	X	X					
Neostigmine	Inj. 2.5 mg/1 ml; 1 mg/1 ml	X	X	X					
Suxamethonium	Inj. 50 mg/ml	X	X	X					
Vecuronium	Inj.10 mg	X	X	X					

● OPHTHALMOLOGICAL PREPARATIONS

-- | Anti-infective agents

Product name	Dosage form & Strength	UTH/ RH	L2T H/PH	DH	MHC	HC	SGHP	FG HP	Co
Acyclovir	Ointment 5 %	X	X	X	X	X	X	X	
Azithromycin	Eye drops 1.5 %	X	X	X					
Gentamicin	Eye drops 0.3 %	X	X	X	X	X	X		
Ofloxacin	Eye drops 0.3 %	X	X	X					
Tetracycline	Eye ointment 1 %	X	X	X	X	X	X	X	

-- | Anti-Inflammatory agents

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Prednisolone	Eye drops 0.5	X	X	X	X	X	X		

-- | Local anaesthetics

Product name	Dosage form & Strength	UT H/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Tetracaine	Eye drops 0.5 %	X	X	X					

● PERITONEAL DIALYSIS SOLUTION

Product name	Dosage form & Strength	UTH/RH	L2TH/PH	DH	MHC	HC	SGHP	FGHP	Co
Intraperitoneal dialysis solution	Parenteral solution	X	X						

● MEDICINES FOR MENTAL AND BEHAVIOURAL DISORDERS

-- | Medicines used in psychotic disorders

Product name	Dosage form & Strength	UT H/RH	L2TH/P H	DH	MHC	HC	SGHP	FGHP	Co
Chlorpromazine	Tab. 25 mg or 50 mg	X	X	X	X	X	X	X*	
Chlorpromazine	Oral liquid 25 mg	X	X	X	X	X	X	X*	
Chlorpromazine	Inj. 25 mg/ml	X	X	X	X				
Levomepromazine	Inj. 25 mg/ml	X	X	X					
Levomepromazine	Tab. 25 mg, 100 mg	X	X	X					
Haloperidol	Tab. 2 mg or 5 mg	X	X	X	X				
Haloperidol	Inj. 5 mg/1 ml	X	X	X	X				

Flupentixol	Tab. 1 mg or 0.5 mg	X	X	X					
Flupentixol decanoate	Inj. 20 mg/ml	X	X	X					
Risperidone	Tab. 1 mg	X	X						
Pipamperon	Oral solution 40 mg/ml	X	X						
Clozapin	Tab. 25 & 100 mg	X	X						

*Medication refill only

-- | Medicines used in mood disorders

► Medicines used in depressive disorders

Product name	Dosage form & Strength	UTH /RH	L2TH/ PH	DH	MHC	HC	SGHP	FG HP	Co
Amitriptyline	Tab. 25 mg	X	X	X	X	X	X*	X*	
Fluoxetine	Tabs 25 mg	X	X	X					
Citalopram	Tab. 20 mg	X	X						
Clomipramine	Tab. 25 mg	X	X	X					
Imipramine	Tab. 10 mg; 25 mg	X	X	X					

X*: Given on refill

► Medicines used in bipolar disorders

Product name	Dosage form & strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Valproic acid (and salts)	Tab. 200 mg; 300 mg	X	X	X	X	X	X*	X*	
Carbamazepine	Tab.(scored): 100mg; 200 mg	X	X	X	X	X	X*	X*	
Lamotrigine	Tab 50; 100 mg	X	X	X					
Lithium	Tab 300 mg	X	X	X					

X*: Given on refill

► Medicines for anxiety disorders and Hypnotics

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Diazepam	Tab.(scored):2and 5mg	X	X	X	X	X	X		
Clorazepate	Cap. 5 mg	X							
Zolpidem	Tab.10 mg	X							

► Medicines used for obsessive compulsive disorders

Product name	Dosage form & strength	UT H/R H	L2T H/P H	DH	MHC	HC	SGHP	FGHP	Co
Clomipramine	Caps.: 10 mg; 25 mg	X	X	X	X	X			

-- | Medicines for disorders due to psychoactive substance abuse

Product name	Dosage form & strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Buprenorphine	Tab 2 mg (Sublingual)	X	X	X	X	X			

-- | Medicines used in attention deficit/ hyperactivity

Product name	Dosage form & strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Methylphenidate	Tab. 10 mg	X	X	X	X	X*			
Trazodone	Tab. 100 mg	X	X	X	X	X*			

X*: Medication Refill only

● SOLUTIONS CORRECTING WATER, ELECTROLYTE AND ACID-BASE

-- | Oral

Product name	Dosage form & Strength	UTH/R H	L2TH /PH	DH	MHC	HC	SGHP	FGH P	Co
Oral rehydration salts	Sachet, powder. 27.9 g/l	X	X	X	X	X	X	X	X
Potassium chloride	Powder for solution	X	X						
ReSoMal	Powder for solution	X	X	X	X	X	X	X	X
Plumpynuts	Paste	X	X	X	X	X	X	X	
Calcium folinate	Tab.: 5 mg, 15 mg, 25 mg	X	X	X					
Calcium with Vitamin D	Syrup	X	X	X					

-- | Parenteral

Product name	Dosage Form & Strength	UT H/R H	L2 TH /PH	DH	MHC	HC	SGHP	FG HP	Co
Calcium gluconate	Inj. 10 %; 100 mg/ml	X	X	X					
Glucose with sodium Chloride	Inj. 11.2 % 20 ml	X	X						
Potassium chloride	Inj. 7.5 %	X	X	X	X	X	X	X	
Sodium chloride	Inj. 0.9 %	X	X	X	X	X	X	X	
Glucose	Inj. 50 %	X	X	X	X	X	X	X	
Glucose	Inj. 5 %	X	X	X	X	X	X	X	
Sodium lactate (Ringer lactate)	Inj. 0.9 % NaCl + 5 % Glucose	X	X	X	X	X	X	X	
Calcium chloride	Sol. inj. Isotonic 0.9 %	X	X	X					

Hypertonic saline	Sol. 3%	X	X	X					
Sodium bicarbonate	Inj. 8.4% 10 ml	X	X	X					

-- | Miscellaneous

Product name	Dosage form & Strength	UTH /RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Water for injection	Inj. 2 ml 5 ml or 10 ml	X	X	X	X	X	X	X	
Ready-To-Use-Therapeutic Food (RUTF) ¹⁷	Powder	X	X	X	X	X	X	X	
Corn Soya Beans (CSB)	Sachet powder	X	X	X	X	X	X	X	
Multiple micronutrient powder	Powder	X	X	X	X	X	X	X	

● VITAMINS AND MINERALS

Product name	Dosage form & Strength	UT H/ RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Ascorbic acid	Tab. 50 mg	X	X	X	X	X	X	X	
Nicotinamide	Tab. 50 mg	X	X	X	X	X	X		
Cholecalciferol	Oral liquid: 400 IU/ml, 2400 IU/ml Tab. 400 IU; 1000 IU inj. (intramuscular) 300000 IU	X	X	X					
Pyridoxine	Tab. 25 mg and 50 mg	X	X	X	X	X	X	X	
Pyridoxine	Tab. 50 mg	X	X	X	X	X	X	X	
Retinol	Caps. 200000 IU; 100000 IU	X	X	X	X	X	X	X	
Thiamine	Tab. 50 mg	X	X	X	X	X	X	X	
Riboflavin	Tab. 5 mg	X	X	X					
Iodine	Caps. 200 mg	X	X	X	X	X			

Iodine	Oily sol. 240/ml or inj. 308 mg/0.57 ml	X	X	X	X	X			
Multivitamin	Tab.	X	X	X	X	X	X		
Multivitamin	Syrup	X	X	X	X	X	X		
Vitamin B complex	Oral dosage form	X	X	X	X	X	X		
Calcitriol	1 µg/ml (1 ml)	X							

¹⁷NOT suitable for young infants

● EAR, NOSE AND THROAT MEDICINES IN CHILDREN

Product name	Dosage form & Strength	UTH/RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Acetic acid	Ear drop 2 %, in alcohol	X	X	X	X	X			
Ciprofloxacin	Ear drop 0.3%	X	X	X	X	X			
Sodium chloride	Nasal drop 0.9 % 10 ml	X	X	X	X	X	X	X	
Betamethasone ¹⁸	Syrup 0.05 %	X	X	X					
Fluorometholone	Eye drops 0.5%	X	X	X					
Dexamethasone + neomycin	Eye drops	X	X	X					
Timolol	Eye drops. 0.25 %	X	X	X					
Atropine	Eye drop 0.1%; 0.5%	X	X	X					

MEDICINES ACTING ON THE RESPIRATORY TRACT

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Epinephrine Adrenaline	Inj. 1 mg/ml	X	X	X					
Salbutamol	Inhalation sol./aerosol 100 µg	X	X	X	X	X	X	X	
Salbutamol	Syrup 2 mg/5 ml	X	X	X					
Salbutamol	Inj. 50 µg /ml	X	X	X					
Salbutamol	Sol. Nebulizer, 5 mg /ml, 2.5 mg/2.5ml	X	X	X					
Ipratropium bromide	20 µg/metered dose	X	X						
Hydrocortisone	Inj. 100 mg	X	X	X	X	X	X	X	
Budesonide	Nasal spray 100 µg/ dose	X	X	X	X	X	X	X	
Beclometasone	Aerosol sol., 50, 100 & 250 µg /dose	X	X	X					
Sodium chloride	Nasal drops 0.9% sodium chloride)	X	X	X	X	X	X		
Aminophylline	Inj. 25 mg/ml Vial 10 ml	X	X	X	X	X			

¹⁸To be prescribed only by paediatrician and ENT specialists

SPECIFIC MEDICINES FOR NEONATAL CARE

-- | Medicines used in Neonatology

Product name	Dosage form & Strength	UTH /RH	L2T H/P H	DH	MHC	HC	SGHP	FG HP	Co
Caffeine Citrate	Syrup 20 mg/ml	X	X	X	X	X			
Chlorhexidine	Sol. or gel: 7.1%	X	X	X	X	X	X	X	X

Prostaglandin E	Inj. 0.5 mg/ml in alcohol	X	X							
Prostaglandin E 2: 1	25 mg/ml or 80 mg/m mg/ml	X	X							33
Surfactant*	25 mg/ml or 80 mg/ml	X	X	X						
Aminophylline	Inj. 25 mg/ml Vial 10 ml									

Surfactant*: To be prescribed by Pediatrician

● MEDICINES FOR JOINT DISEASES

-- | Disease modifying agents used in Rheumatoid disorders

Product name	Dosage form & Strength	UT H/ RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Hydroxychloroquine	Tab. 200 mg	X	X	X					
Methotrexate	Tab. 2.5 mg	X	X	X					

-- | Juvenile joint diseases

Product name	Dosage form & strength	UT H/ RH	L2 TH /P H	DH	MHC	HC	SGHP	FG HP	Co
Acetylsalicylic acid	Supp.: 50 mg; 150 mg	X	X	X	X	X	X		
Acetylsalicylic acid	Tab.: 75 mg, 100 mg or 500 mg	X	X	X	X	X	X		

● ANNEXES

► ANNEX 1: LIST OF ADDITIONALS TO PAEDIATRICS EML 2015

Product name	Dosage form & Strength	Category/ indication
Fentanyl	Inj. 50 µg/ ml	Anaesthetics
Lidocaine	Gel 2 %	Anaesthetics
Amoxicillin	Tab 125 mg (dispersible)	Anti-infective medicines
Cefixime	Susp. 50 mg/5 ml	Anti-infective medicines
Cefixime	Caps.: 200 mg	Anti-infective medicines
Cefuroxime	Tab 500 mg	Anti-infective medicines
Cefuroxime	Susp. 125 mg/5 ml	Anti-infective medicines
Ciprofloxacin	Oral liquid: 250 mg/5 ml (anhydrous)	Anti-infective medicines
Chloramphenicol	Caps.: 250 mg	Anti-infective medicines
Amikacin	Inj.: 250 mg (as sulfate)/ml in 2- ml vial	Anti-infective medicines
Erythromycin	Ointment 0.5 %	Anti-infective medicines
Natamycin	Susp. 5 %	Anti-infective medicines
Dihydroxyartemisinin-Piperaquine	20 mg/160 mg	Anti-infective medicines
Dihydroxyartemisinin-Piperaquine	40 mg/320 mg	Anti-infective medicines
Oxantel pamoate	Susp. 50 mg/ ml	Anti-infective medicines
Pyrantel pamoate	Oral liquid 50 mg/ml	Anti-infective medicines
Paromomycin	Solution for intramuscular inj.: 750 mg	Anti-infective medicines
Mefloquine	Tab. 250 mg	Anti-infective medicines
Rifampicine + Isoniazide + Pyrazinamide	75 mg + 50 mg + 150 mg	Anti-infective medicines
Clofazimine	Tab. 50 mg	Anti-infective medicines
Levofloxacin	Tab. 100 mg	Anti-infective medicines
Levofloxacin	Tab. 250 mg	Anti-infective medicines

Rifampicine + isoniazide	Tab. 75 mg + 50 mg	Anti-infective medicines
Etravirine (ETV)	Tab. 100 mg	Anti-infective medicines
Ritonavir+Lopinavir	Caps. 10/40 mg (pellets)	Anti-infective medicines
Ritonavir+Lopinavir	Tab.200/50 mg	Anti-infective medicines
Dolutegravir	Tab. 50 mg	Anti-infective medicines
Abacavir/Lamivudine	Tab. 120/60 mg	Anti-infective medicines
Abacavir/Lamivudine	Tab. 600/300 mg	Anti-infective medicines
Emtricitabin/Tenofovir	Tab. 200/300 mg	Anti-infective medicines
Tenofovir/Lamivudine/ Dolutegravir	Tab. 300/300/50 mg	Anti-infective medicines
Zidovudine/Lamivudine	Tab. 300/150 mg	Anti-infective medicines
Tinidazole	Tab. 100 mg	Anti-infective medicines
Tacrolimus	Tab. µg 500	Antineoplastics and immunosuppressives
Cyclosporine	Caps. 25 mg	Antineoplastics and immunosuppressives
Mycophenolate Mofetil	Caps. 250 mg	Antineoplastics and immunosuppressives
Rituximub	Inj.	Antineoplastics and immunosuppressives
Dobutamine	Inj. 250 mg/5 ml	Cardiovascular medicines
Glycerine	Suppo. 1; 2 g	Gastrointestinal medicines
Desloratidine	Tab. 5 mg	Dermatological medicines
Desloratidine	Oral solution 0.5 mg/ml (2.5 mg/5 ml)	Dermatological medicines
Lorazepam	Tab.1 mg	Medicines for mental and behavioural disorders
Clonazepam	Syrup 25 mg/ml	Medicines for mental and behavioural disorders
Sodium chloride	Nasal drops 0.9 % sodium chloride)	Medicines acting on the respiratory tract
Hydroxyrea	Caps. 500 mg	Medicines affecting the blood

Red blood cell	Inj.	Medicines affecting the blood
Methimazole	Tab.: 5 mg, 10 mg, 20 mg	Hormones and other endocrine medicines
Gosereline	Inj. 3.6 mg	Hormones and other endocrine medicines
Estrogen	Cream	Hormones and other endocrine medicines
Potassium (chloride)	Solution 7.4% 10 ml Vial	Hormones and other endocrine medicines
Potassium (chloride)	Tab. 600 mg	Hormones and other endocrine medicines
Dimeticone	Solution/Lotion	Dermatological medicines
Sulfur	Ointment 10 %	Dermatological medicines
Povidone iodine	Solution 1 %	Dermatological medicines
Sodium bicarbonate	Powder	Dermatological medicines
Cetirizine	Oral solution 5 mg/5 ml	Dermatological medicines
Miconazole	Oral gel 24 mg/ml 5-10 ml	Dermatological medicines
Sodium cromoglycate	Eye drops, 0,1 %; 0,5 %	Dermatological medicines
Methylcellulose	Eye drops, 1 %	Dermatological medicines
Fluorometholone	Eye drops 0.5%	Ear, nose and throat medicines
Dexamethasone + neomycin	Eye drops	Ear, nose and throat medicines
Timolol	Eye drops. 0.25 %	Ear, nose and throat medicines
Atropine	Eye drop 0.1%; 0.5%	Ear, nose and throat medicines
Normal immunoglobulin	Intramuscular administration: 16 % protein solution	Immunologicals
Hepatitis B immunoglobulin	Inj. (intramuscularly)	Immunologicals
Clozapin	Tab. 25 & 100 mg	Medicines for mental and behavioural disorders

Lamotrigine	Tab 50, 100 mg	Medicines for mental and behavioural disorders
Lithium	Tab 300 mg	Medicines for mental and behavioural disorders
Calcium folinate	Tab.: 5 mg, 15 mg, 25 mg	Solutions correcting water, electrolyte and acid base disturbances
Calcium with Vitamin D	Syrup	Solutions correcting water, electrolyte and acid base disturbances
Hepatitis B vaccine	Inj.	Vaccines
Calcitriol	1 µg/ml (1 ml)	Vitamin
Ready-To-Use-Therapeutic Food (RUTF)	Powder	Miscellaneous
Corn Soya Beans (CSB)	Sachet powder	Miscellaneous
Multiple micronutrient powder	Powder	Miscellaneous

► ANNEX 2: LIST OF DELETIONS FROM 2015 PAEDIATRICS EML

Product name	Dosage form & Strength	Category
Nitrous oxide	Inhalation	Anaesthetics
Cisatracurium	Inj. 2 mg/ml	Anaesthetics
Diclofenac	Inj.75 mg/3 ml	Medicines for pain and palliative care
Diclofenac	Tab. 50 mg	Medicines for pain and palliative care
Diclofenac	Supp.: 100 mg	Medicines for pain and palliative care
Diclofenac	Gel 3%	Medicines for pain and palliative care
Levetiracetam	Susp. 100 mg/ml	Anticonvulsants / Antiepileptics
Cephalexin	Susp. 125 mg/5 ml	Anti-infective medicines
Cephalexin	Tab. 250 mg	Anti-infective medicines
Rifampicine + isoniazide	Tab. 60 mg+60 mg	Anti-infective medicines
Rifampicine + isoniazide	Tab. 60 mg+30 mg	Anti-infective medicines
Rifampicine + Isoniazide + Pyrazinamide + Ethambutol	Tab.150mg+75 mg + 400 mg + 275 mg	Anti-infective medicines
Rifampicine + Isoniazide + Ethambutol	Tab. 150 mg + 75 mg + 275 mg	Anti-infective medicines
Rifampicin + Isoniazide + Pyrazinamide	Tab. 60 mg+30 mg+150 mg	Anti-infective medicines
Kanamycine	Powder for inj. 1 g	Anti-infective medicines
Levofloxacin	Tab. 200 mg	Anti-infective medicines
Capreomycin	Powder for inj. 1g	Anti-infective medicines
Clarithromycin	Tab. 500 mg	Anti-infective medicines
Clofazimine	Tab. 400 mg	Anti-infective medicines
Clarithromycin	Tab. 500 mg	Anti-infective medicines
Efavirenz (EFV)	Tab. 50 mg	Anti-infective medicines
Névirapine (NVP)	Tab. 200 mg	Anti-infective medicines

Atazanavir	Tab. 100 mg	Anti-infective medicines
Abacavir/Lamivudine	Tab, 60/30 mg	Anti-infective medicines
Zidovudine/Lamivudine / Nevirapine	Tab, 60/30/50 mg	Anti-infective medicines
Artesunate	Inj. 30 mg	Anti-infective medicines
Artesunate	Inj. 120 mg	Anti-infective medicines
Ketoconazole	Cream 2%	Anti-infective medicines
Metronidazole	Vaginal tab. 500 Mg	Anti-infective medicines
Nitriximab	Susp. 100 mg/ml	Antineoplastics and immunosuppressives
Thalidomide	Tab. 100 mg	Antineoplastics and immunosuppressives
Methylprednisolone	Inj. 40 mg/ml, 80 mg/ml	Antineoplastics and immunosuppressives
Warfarin	Tab 0.5 mg	Medicines affecting the blood
Warfarin	Tab 10 mg	Medicines affecting the blood
Domperidone	Susp. 1 mg/ml	Gastrointestinal medicines
Alginate sodium	Suspension 250 mg/5 ml	Gastrointestinal medicines
Pyridostigmine	Inj. 1 mg/1ml	Muscle relaxant and cholinesterase inhibitor
Ziclopenthixol	Inj. 50 mg	Medicines for mental and behavioural disorders
Haloperidol decanoate	Inj. 50 mg/ml	Medicines for mental and behavioural disorders
Pipamperon	Tab. 40 mg	Medicines for mental and behavioural disorders
Pimozide	Tab. 1 mg	Medicines for mental and behavioural disorders

Silpiride	Tab. 200 mg	Medicines for mental and behavioural disorders
Clomipramine	Inj. 25 mg/ml	Medicines for mental and behavioural disorders
Trazodone	Tab. 100 mg	Medicines for mental and behavioural disorders
Alprazolam	Tab. 0.5 mg	Medicines for mental and behavioural disorders
Olanzapine	Tab. 5 mg	Medicines for mental and behavioural disorders
Clomipramine	Inj. 25 mg	Medicines for mental and behavioural disorders
Cinnarizine	Tab. 25 mg	Medicines for mental and behavioural disorders
Piracetam	Tab. 800 mg	Medicines for mental and behavioural disorders
Xylometazoline	Nasal drops: 0.05 %	Ear, nose and throat medicines in children

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