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***Iteka rya Minisitiri/Ministerial Order/Arrêté Ministériel***

**N° 20/39 ryo ku wa 29/01/2016**

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ITEKA RYA MINISITIRI N° 20/39 RYO KU  
WA 29/01/2016 RIGENA IBIKORWA  
BY'UBUVUZI BITANGWA KURI BURI  
RWEGO RW'IBIGO BY'UBUVUZI

MINISTERIAL ORDER N°20/39 OF 29/01/2016  
DETERMINING THE MEDICAL SERVICES  
PROVIDED AT EACH LEVEL OF HEALTH  
FACILITIES

ARRETE MINISTERIEL N°20/39 DU  
29/01/2016 DETERMINANT LES  
PRESTATIONS MEDICALES  
DISPENSEES A CHAQUE NIVEAU  
D'ETABLISSEMENTS DE SANTE

ISHAKIRO

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**ITEKA RYA MINISITIRI N°20/39 RYO KU WA 29/01/2016 RIGENA IBIKORWA BY'UBUVUZI BITANGWA KURI BURI RWEGO RW'IBIGO BY'UBUVUZI**

**MINISTERIAL ORDER N°20/39 OF 29/01/2016 DETERMINING THE MEDICAL SERVICES PROVIDED AT EACH LEVEL OF HEALTH FACILITIES**

**ARRETE MINISTERIEL N°20/39 DU 29/01/2016 DETERMINANT LES PRESTATIONS MEDICALES DISPENSEES A CHAQUE NIVEAU D'ETABLISSEMENTS DE SANTE**

**Minisitiri w'Ubuzima;**

**The Minister of Health;**

**Le Ministre de la Santé;**

Ashingiye ku Itegeko Nshinga rya Repubulika y'u Rwanda ryo mu 2003 ryavuguruwe mu 2015, cyane cyane mu ngingo zaryo, iya 121, iya 122 n'iya 176;

Pursuant to the Constitution of the Republic of Rwanda of 2003 revised in 2015, especially in Articles 121, 122 and 176;

Vu la Constitution de la République du Rwanda de 2003 révisée en 2015, spécialement en ses articles 121, 122 et 176 ;

Ashingiye ku Itegeko n° 03/2015 ryo ku wa 02/03/2015 rigenga imitunganyirize y'ubwisungane mu kwivuzza, cyane cyane mu ngingo yaryo ya 9;

Pursuant to Law n° 03/2015 of 02/03/2015 governing the organization of the community-based health insurance scheme, especially in Article 9;

Vu la Loi n° 03/2015 du 02/03/2015 portant organisation du régime des mutuelles de santé, spécialement dans son article 9;

Inama y'Abaminisitiri yateranye ku wa 03/11/2015 imaze kubisuzuma no kubyemeza;

After consideration and approval by the Cabinet, in its session of 03/11/2015;

Après examen et adoption par le Conseil des Ministres en sa séance du 03/11/2015;

**ATEGETSE:**

**HEREBY ORDERS:**

**ARRETE:**

**Ingingo ya mbere: Ibikorwa by'ubuvuzi bitangwa kuri buri rwego rw'ibigo by'ubuvuzi**

**Article One: Medical services provided at each level of health facilities**

**Article premier: Prestations médicales dispensées à chaque niveau d'établissement de santé**

Urutonde rw'ibikorwa by'ubuvuzi n'imiti bijyana bitangwa kuri buri rwego rw'ibigo by'ubuvuzi bifite amasezerano n'ikigo cya Leta gifite ubwisungane mu kwivuzza mu nshingano zacyo biri buri cyose ku mugereka wa I n'uwa II y'iri teka.

The medical services and corresponding medicines provided at each level of health facilities that have a valid agreement with the public institution in charge of the community-based health insurance scheme are respectively in annex I and II of this Order.

Les prestations médicales et les médicaments correspondants dispensés à chaque niveau d'établissement de santé ayant un contrat avec l'établissement public en charge du régime des mutuelles de santé sont respectivement en annexe I et II du présent arrêté.

**Ingingo ya 2: Kuvugurura urutonde**

Urutonde rw'ibikorwa by'ubuvuzi n'imiti bivugwa mu ngingo ya mbere y'iri teka rushobora kuvugururwa hashingiwe ku guhinduka kw'ibikorwa by'ubuvuzi cyangwa mu gihe habaye impinduka ku rutonde rw'imiti y'ibanze.

**Ingingo ya 3: Ivanwaho ry'ingingo zinyuranyije n'iri teka**

Ingingo zose z'amateka abanziriza iri kandi zinyuranyije na ryo zivanyweho.

**Ingingo ya 4: Igihe iteka ritangira gukurikizwa**

Iri teka ritangira gukurikizwa ku munsu ritangarijweho mu Igazeti ya Leta ya Repubulika y'u Rwanda.

Kigali, ku wa 29/01/2016

(sé)

**Dr. BINAGWAHO Agnes**  
Minisitiri w'Ubuzima

**Bibonywe kandi bishyizweho**  
**Ikirango cya Repubulika:**

(sé)

**BUSINGYE Johnston**  
Minisitiri w'Ubutabera/Intumwa  
Nkuru ya Leta

**Article 2: Updating of the list**

The list of medical services and medicines provided for in Article One of this Order may be updated according to changes in the packages of medical services or changes in the essential medicines list.

**Article 3: Repealing provision**

All prior provisions contrary to this Order are hereby repealed.

**Article 4: Commencement**

This Order shall come into force on the date of its publication in the Official Gazette of the Republic of Rwanda.

Kigali, on 29/01/2016

(sé)

**Dr. BINAGWAHO Agnes**  
Minister of Health

**Seen and sealed with the Seal of the Republic:**

(sé)

**BUSINGYE Johnston**  
Minister of Justice/Attorney General

**Article 2: Mise à jour de la liste**

La liste des services médicaux et des médicaments prévus à l'article premier du présent arrêté peut être mise à jour suite au changement du paquet des services médicaux et de médicaments essentiels.

**Article 3: Disposition abrogatoire**

Toutes les dispositions antérieures contraires au présent arrêté sont abrogées.

**Article 4: Entrée en vigueur**

Le présent arrêté entre en vigueur le jour de sa publication au Journal Officiel de la République du Rwanda.

Kigali, le 29/01/2016

(sé)

**Dr. BINAGWAHO Agnes**  
Ministre de la Santé

**Vu et scellé du Sceau de la République:**

(sé)

**BUSINGYE Johnston**  
Ministre de la Justice/ Garde des Sceaux

**UMUGEREKA WA I W'ITEKA RYA  
MINISITIRI N°20/39 RYO KU WA 29/01/2016  
RIGENA URUTONDE RW'IBIKORWA  
BY'UBUVUZI BITANGWA KURI BURI  
RWEGO RW'IBIGO BY'UBUVUZI**

**ANNEX I TO MINISTERIAL ORDER N°20/39  
OF 29/01/2016 DETERMINING THE MEDICAL  
SERVICES PROVIDED AT EACH LEVEL OF  
HEALTH FACILITIES**

**ANNEXE I DE L'ARRETE MINISTERIEL  
N°20/39 DU 29/01/2016 DETERMINANT  
LES PRESTATIONS MEDICALES  
DISPENSEES A CHAQUE NIVEAU  
D'ETABLISSEMENTS DE SANTE**

**ANNEX I**

**PART A. HEALTH SERVICE PACKAGES AT ALL LEVELS**

**1.1 HEALTH SERVICE PACKAGES AT HEALTH POST LEVEL**

<b>Primary Health Care</b>		
1	Annual General checkups and screening <sup>1</sup>	x
2	Family planning (Condoms, Pills, Injection)	x
3	HIV voluntary counseling & testing (VCT) and Provider Initiated Testing (PIT)	x
4	Primary curative consultation by A2/A1 Nurse	x
5	Management of communicable and non-communicable diseases <sup>2</sup> E.g. influenza, malaria, diarrhea, Clinical Integrated Management of Childhood Illnesses.	x
6	Wound care	x
7	Postnatal consultation(After 1 week of birth)	x
8	Follow up of malnutrition cases	x
9	Follow up of treatment initiated at upper level <sup>2</sup> .	x
10	Palliative Care and Pain management	x
<b>Laboratory/Rapid Test</b>		
1	Glycemia	x
2	Glucosuria	x
3	Rapid test for malaria	x
4	HIV Testing	x
5	Pregnancy test	x
<b>Pharmacy</b>		
1	Dispensing/Referring to the list of drugs authorized at HP level	x
2	Ambulance (par Km)	x

**1.2. HEALTH SERVICE PACKAGES AT HEALTH CENTER EXTENSION FACILITY**

<b>Primary Health Care</b>		
1	Annual General checkups and screening <sup>1</sup>	x
2	Vaccination/Immunization (newborns, children, pregnant women and others)	x
3	Antenatal Care (ANC)	x
4	Family planning (Condoms, Pills, Injection)	x
5	HIV voluntary counseling & testing (VCT) and Provider Initiated Testing (PIT)	x
6	Primary curative consultation by A2/A1 Nurse	x
7	Management of communicable and non-communicable diseases <sup>2</sup> E.g. influenza, malaria, diarrhea, Clinical Integrated Management of Childhood Illnesses.	x
8	Wound care	x
9	Normal Delivery	x
10	Postnatal consultation (After 1 week of birth)	x
1	Follow up of malnutrition cases	x

- <sup>1</sup> Reference to the package covered in Ministry of Health Instructions No.20/62 of 20<sup>th</sup> March 2014 on annual check up for Non-Communicable Diseases. *Check list*

Primary Health Care		
2	Follow up of treatment initiated at upper level. E.g. Direct Observed Treatment for Tuberculosis.	X
3	Palliative Care and Pain management <sup>2</sup>	X
Laboratory <sup>3</sup>		
1	Rapid Test(blood, urine, saliva)	X
2	Parasitology	X
Pharmacy		
1	Dispensing/Ref list of drugs authorized at HC level	X
2	<b>Hospitalization.</b> (< 72h, longer stay should be motivated) <sup>2</sup>	X
3	<b>Ambulance</b> (per Km)	X

### 1.3. HEALTH SERVICE PACKAGES AT HEALTH CENTER LEVEL

Primary Health Care		
1	Annual General checkups and screening <sup>1</sup>	X
2	Vaccination/Immunization (newborns, children, pregnant women and others)	X
3	Antenatal Care (ANC)	X
4	Family planning	X
5	HIV voluntary counseling & testing (VCT), prevention of mother-to child transmission (PMTCT) and Provider Initiated Testing (PIT)	X
6	Preventive treatment (e.g. opportunistic Infections)	X
7	Post Exposure Prophylaxis	X
8	Management of SGBV cases	X
9	Primary curative consultation(A1 + A2 health professional)	X
10	Clinical psychology/counseling/mental health consultation	X
11	Management of communicable and non-communicable diseases	X
12	Therapeutic nutritional rehabilitation	X
13	Minor surgery with or without local anesthesia	X
14	Therapeutic Circumcision	X
15	Delivery	X
16	Basic Emergency Obstetric and Neonatal Care (BeONC-B)	X
17	Postnatal consultation	X
18	Follow up of non-communicable conditions	X
19	Traumatology. E.g. Pain management, wound care, immobilization	X
<b>Hospitalization.</b> (< 72h, longer stay should be motivated) <sup>3</sup>		X
<b>Ambulance</b> (per Km)		X
Laboratory		
1	Immuno-serology	X
2	Hematology	X
3	Biochemistry	X
4	Parasitology	X
5	Microbiology	X

<sup>2</sup> Clear indication for extension for hospitalization

<sup>3</sup> Clear indication for extension for hospitalization

Pharmacy	
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**1.4. HEALTH SERVICE PACKAGE AT DISTRICT HOSPITAL LEVEL**

<b>Preventive Services</b>		
1	Vaccination/Immunization (newborns, children, pregnant women and others)	x
2	Antenatal Care (ANC)	x
3	Family planning	x
4	HIV voluntary counseling & testing (VCT), prevention of mother-to child transmission (PMTCT) and Provider Initiated Testing (PIT)	x
5	Preventive treatment (e.g. opportunistic Infections)	x
6	Post Exposure Prophylaxis	x
<b>Curative services</b>		
1	Medical consultation by a General Practitioner	x
2	Consultation by a Specialist	x
3	Paramedical consultation (A0)	x
4	Paramedical consultation (A1)	x
5	Consultation by Nurse A1	x
6	Management and follow up of non-communicable conditions <sup>2</sup>	x
7	Management and follow up visit for communicable diseases <sup>2</sup>	x
8	Hospitalization	x
9	Basic Emergency Obstetric and Neonatal Care (BeONC-B)	x
10	Comprehensive Emergency Obstetric and Neonatal Care (CeONC-C)	x
11	Minor surgery <sup>4</sup>	x
12	Major surgery <sup>6</sup>	x
13	Provision of Orthotic and Prosthetic Appliances/disability	x
14	Optometry	x
15	Hospitalization	x
<b>Accident and Emergencies</b>		
1	Pre-hospital emergency services	x
2	Ambulance	x
<b>Anesthesia&amp;Resuscitation</b>		
1	Pre-anesthetic care	x
2	Intra-operative care	x
3	Post-anesthetic care (recovery)	x
4	Resuscitation	x
5	High dependency care	x
<b>Medical Imaging</b>		
1	General radiography	x
2	General dental& intraoral x-ray	x
3	Ultrasonography	x
4	Fluoroscopy	x
<b>Pathology/ Medical Laboratory</b>		
1	Immuno-serology	x
2	Hematology	x

<sup>4</sup> Ref to surgical procedures



3	Biochemistry	x
4	Parasitology	x
5	Virology	x
6	Mycobacteriology	x
<b>Pharmacy</b>		
1	Dispensing/Ref list of drugs authorized at DH level	x
<b>Physiotherapy</b>		
1	Hydrotherapy	x
2	Electrotherapy	x
3	Soft tissues mobilisation	x
4	Neuro-developmental re-education	x
<b>Blood Bank</b>		
1	Blood Transfusion Kit	x
<b>Medical Gas Production</b>		
1	Oxygen	x
<b>Mortuary</b>		
1	Mortuary	x

### 1.5. HEALTH SERVICE PACKAGE FOR PROVINCIAL HOSPITAL LEVEL

<b>Preventive Services</b>		
1	Vaccination/Immunization (newborns, children, pregnant women and others)	x
2	Antenatal Care (ANC)	x
3	Family planning	x
4	HIV voluntary counseling & testing (VCT), prevention of mother-to child transmission (PMTCT) and Provider Initiated Testing (PIT)	x
5	Preventive treatment (e.g. opportunistic Infections)	x
6	Post Exposure Prophylaxis	x
<b>Curative Services</b>		
1	Consultation by a General Practitioner	x
2	Consultation by a Specialist	x
3	Paramedical consultation (A0)	x
4	Paramedical consultation (A1)	x
5	Consultation by Nurse A1	x
6	Management and follow up visit for non-communicable conditions.	x
7	Management and follow up visit for communicable diseases.	x
8	Comprehensive Emergency Obstetric and Neonatal Care (CeONC-C)	x
9	Minor/ Intermediate/ Major surgery.	x
10	Burn care	x
11	Hospitalization	x
<b>Physiotherapy</b>		
1	Hydrotherapy	x
2	Electrotherapy	x
3	Soft tissues mobilisation	x
4	Neuro-developmental re-education	x

<b>Rehabilitative Services</b>		
1	Therapeutic nutrition rehabilitation	X
2	Provision of Orthotic and Prosthetic Appliances/disability	X
3	Optometry	X
<b>Accident and Emergencies</b>		
1	Pre-hospital emergency care	X
2	Ambulance	X
<b>Anesthesia and Resuscitation</b>		
1	Pre-anesthetic care	X
2	Intra-operative care	X
3	Post anesthetic care (recovery)	X
4	Resuscitation	X
5	High dependency care	X
<b>Medical Imaging</b>		
1	General radiography	X
2	Dental intraoral x-ray or panoramic X-ray	X
3	CT-scanning	X
4	Ultrasonography	X
5	Fluoroscopy	X
6	Mammography	X
<b>Pathology/ Medical Laboratory</b>		
1	Immuno-serology	X
2	Hematology	X
3	Biochemistry	X
4	Parasitology	X
5	Virology	X
6	Mycobacteriology	X
7	Medical Entomology	X
8	Cytology & histopathology	X
9	Molecular biology & genetics	X
<b>Pharmacy</b>		
1	Dispensing/Ref list of drugs authorized at PH level	X
<b>Blood Transfusion</b>		
1	Blood Transfusion Kit	X
<b>Medical Gas Production</b>		
1	Oxygen	X
<b>Mortuary</b>		
1	Mortuary	X

#### 1.6. HEALTH SERVICE PACKAGES FOR REFERRAL HOSPITAL LEVEL

<b>Preventive Services</b>		
1	Vaccination/Immunization (newborns, children, pregnant women and others)	X
2	Antenatal Care (ANC)	X
3	Family planning	X

4	HIV voluntary counseling & testing (VCT), prevention of mother-to child transmission (PMTCT) and Provider Initiated Testing (PIT)	x
5	Preventive treatment <sup>2</sup>	x
6	Post Exposure Prophylaxis	x
<b>Curative Services</b>		
1	Consultation by a General Practitioner	x
2	Consultation by a Specialist	x
3	Paramedical consultation (A0)	x
4	Paramedical consultation (A1)	x
5	Consultation by Nurse A0/A1	x
6	Management and follow up visit for non-communicable conditions.	x
7	Management and follow up visit for communicable diseases.	x
8	Hospitalization (Annex with details)	x
9	Comprehensive Emergency Obstetric and Neonatal Care (CeONC-C)	x
10	Dialysis	x
11	Oncology	x
12	Surgery	x
<b>Physiotherapy</b>		
1	Hydrotherapy	x
2	Electrotherapy	x
3	Soft tissues mobilisation	x
4	Neuro-developmental re-education	x
<b>Rehabilitative Services</b>		
1	Specialized physiotherapy (spine, neuro etc.)	x
2	Speech & audiology	x
3	Therapeutic nutrition rehabilitation	x
4	Provision of Prosthetics & orthotics	x
5	Optometry	x
<b>Accident and Emergencies</b>		
1	Pre-hospital emergency care	x
2	Ambulance	x
<b>Anesthesia &amp; Resuscitation</b>		
1	Pre-anesthetic care	x
2	Intra-operative care	x
3	Post anesthetic care (recovery)	x
4	Resuscitation	x
5	High dependency care	x
<b>Medical Imaging</b>		
1	General radiography	x
2	Dental intraoral x-ray or panoramic X-ray	x
3	CT-scanning	x
4	Ultrasonography	x
5	Electroencephalography	x
6	Electrocardiography	x
7	Fluoroscopy	x
8	Mammography	x

9	Angiography	x
10	MRI scanning	x
<b>Pathology/ Medical Laboratory</b>		
1	Immuno-serology	x
2	Hematology	x
3	Biochemistry	x
4	Parasitology	x
5	Virology	x
6	Mycobacteriology	x
7	Medical Entomology	x
8	Cytology & histopathology	x
9	Molecular biology & genetics	x
<b>Pharmacy</b>		
1	Dispensing/Ref list of drugs authorized at RH level	x
<b>Blood Transfusion</b>		
1	Blood or Blood Kits	x
<b>Medical Gas Production</b>		
1	Oxygen	x
<b>Mortuary</b>		
1	Mortuary	x

**PART B. TYPES OF PROCEDURES AND INVESTIGATION DONE AT ALL LEVELS**

**2.1 INTERNAL MEDICINE PROCEDURES**

Specialty Service	Medical Condition	Type of Procedures	NRH/UTH	P&RH	DH	HC	HP	Comments
Internal Medicine	Chronic Respiratory Diseases	Assessment & clinical staging	x	x	x	x	x	
		Basic investigation	x	x	x			
		General management (e.g: - bronchodilators and	x	x	x			
		Advanced investigations : -(E.g: ABG, pathology, microbiology, bronchoscopy, GeneXpert, etc)	x	x	x			GeneXpert is done at DH

Specialty Service	Medical Condition	Type of Procedures	NRH/UTH	P&RH	DH	HC	HP	Comments
		Advanced management (-oxygenation and nebulization)	x	x	x			
	Respiratory Failure	Intubation, ventilator management	x	x	x			
	Gastrointestinal Diseases	Patient	x	x	x	x	x	
		Basic investigation (laboratory and imaging)	x	x	x			
		Advanced investigation (pathology, endoscopy)	x	x	x			
		Basic management (symptomatic management using drugs)	x	x	x	x	x	
		Advanced management (drugs, endoscopic and surgical interventions)	x	x				Highly specialized procedures such transplantation, reconstructive surgery etc...will be subject to guidelines guided by assessment prior its introduction. A specific authorization will be issued.
	Genito-Urinary System- Upper and Lower	Patient assessment	x	x	x	x	x	
		Basic investigation (hematology, bacteriology, urine microscopy and dip stick & biochemistry)	x	x	x	x		
		Advanced investigations (urine culture, ultrasound, cytology)	x	x	x			

Specialty Service	Medical Condition	Type of Procedures	NRH/UTH	P&R H	DH	HC	HP	Comments
		Basic management ( symptomatic management using drugs)	x	x	x	x	x	
		Advanced management (treatment guided by the culture and sensitivity results, surgical procedures, dialysis in acute phase: 6 weeks as per guidelines)	x	x				Highly specialized procedures such transplantatio, reconstructive surgery, dialysis, etc...will be subject to guidelines guided by assessment prior it introduction. A specific authorization will be issued.
	Dermatology pathologies	Patient assessment		x	x	x	x	
		Basic investigations (hematology, biochemistry)		x	x	x		
		Advanced investigations (pathology)		x				
		Basic management (symptomatic management using drugs)	x	x	x	x	x	
		Advanced management (guided by specialized investigation results), Laser management	x	x				
	Cardiovascular diseases	Patient assessment	x	x	x	x	x	
		Basic investigations (Laboratory and imaging)	x	x	x	x		
		Advanced investigation (cardiac ultrasound, Holter monitor, stress test, cardiac enzymes, etc.)	x	x	x			

Specialty Service	Medical Condition	Type of Procedures	NRH/UTH	P&R H	DH	HC	HP	Comments
		Basic management (symptomatic management using drugs)	x	x	x	x	x	
		Advanced management (guided by specialized investigation results); defibrillation, hemodynamic infusions and surgical procedures.	x					Highly specialized procedures such valve replacement, pacemaker, catheterization etc... will be subject to guidelines guided by assessment prior it introduction. A specific authorization will be issued.
	Mental Health	Patient assessment	x	x	x	x	x	
		Basic investigations (hematology, biochemistry)	x	x	x	x		
		Advanced investigation (radiological scans and EEG)	x	x	x			
		Basic management (symptomatic management using drugs)	x	x	x	x		
		Advanced management (guided by specialized investigation results)	x	x				
	Oncology	Patient assessment: screening and early detection	x	x	x	x	x	e.g., palpation for breast cancer can be performed at all facilities
		Basic investigation (hematology, biochemistry, bacteriology, biopsy procedures and processing for referral)	x	x	x	x		

Specialty Service	Medical Condition	Type of Procedures	NRH/UTH	P&RH	DH	HC	HP	Comments
		Advanced investigation (e.g., biopsy, x-rays, ultrasound, mammography, markers)	x	x	x			Mammography and scans only available at NRH
		Procedures(e.g.: cryotherapy and colposcopy)	x	x	x			
		Advanced therapy: (e.g.: chemotherapy and surgery)	x	x	x			Follow up for already initiated drugs by internists Highly specialized procedures/ treatment will be subject to guidelines guided by assessment prior it introduction.
		Radiotherapy	x					
	Endocrinology /Metabolic Diseases, e.g. Diabetes	Patient assessment	x	x	x	x	x	
		Basic investigation (hematology, biochemistry)	x	x	x	x		
		Advanced investigation (e.g., fundoscopy, ECG, x-rays, ultrasound, HBA1C)	x	x	x			
		Basic management (symptomatic treatment)	x	x	x	x	x	
		Advanced management	x	x				Management of Some endocrinology /metabolic diseases will be subject to guidelines guided by assessment prior it introduction.
	Infectious Diseases	Patient Assessment	x	x	x	x	x	
Basic investigations (rapid tests)		x	x	x	x	x		
Advanced investigations		x	x					



Specialty Service	Medical Condition	Type of Procedures	NRH/UTH	P&RH	DH	HC	HP	Comments
		Basic management (e.g., antiretroviral, antibiotics, antimalarial and TB drugs)	x	x	x	x	x	Management of Some Infections diseases such as Hep C will be subject to guidelines guided by assessment prior it introduction.
		Advanced management	x	x	x			

## 2.2. PEDIATRIC PROCEDURES

Specialty Service Area	Medical Conditions	Type of Procedures	NRH/UTH	P&RH	DH	HC	HP	Comments
Neonatology	Normal Newborn Care	Normal care	x	x	x	x		
	Prematurity	Management of prematurity	x	x	x			
	Low birth weight (<2500g)	Warming/ Kangaroo Mother Care	x	x	x			
		IV D10%	x	x	x			
	Very low birth weight (<1500g)	Incubator	x	x	x			
	Extremely low birth weight (<1000g)	Oxygen therapy	x	x	x			Premature neonates with extremely low birth weight (below 1kg) are to be referred to Provincial or Referral Hospitals for proper management.
		Continuous positive airway pressure (CPAP)	x	x	x			
	Respiratory Distress Syndrome	Mechanical ventilator support	x	x				Babies requiring ventilator support for Respiratory Distress Syndrome are to be referred to Provincial or referral hospitals
		Surfactant	x	x				
	Neonatal Infections : mild	IV antibiotics	x	x	x			

	Severe infection	IV fluids	x	x	x			
		Oxygen therapy	x	x	x			
		Mechanical ventilator support	x	x				
	Neonatal jaundice	Phototherapy	x	x	x			
		IV fluids	x	x	x			
		Exchange transfusion	x					
	Birth asphyxia	Selective head cooling	x					
		Convulsion management	x					
		IV fluid restriction	x					
<b>Gastrointestinal Disorders</b>								
	Bleeding esophageal varices	Non-pharmaceutical and pharmaceutical	x	x	x			
		Resuscitation with IV replacement	x	x	x			
		Endoscopic injection sclerotherapy	x					
	Acute gastroenteritis	Oral and IV fluids	x	x	x	x	x	
	Persistent diarrhea	Oral and IV fluids	x	x	x	x		Assess and treat underlying causes; Use of IMCI guidelines
	Bloody diarrhea	Non-pharmaceutical and pharmaceutical	x	x	x			
	Upper GI bleeding	Non-pharmaceutical and pharmaceutical	x	x	x			
	Peptic ulcer disease	Non-pharmaceutical and pharmaceutical	x	x	x			
Poisoning	Specific antidotes	x	x	x			Assess and treat specific poison	
<b>Respiratory Diseases</b>								
	Respiratory distress	Airway management	x	x	x	x	x	Assess and treat underlying causes; IMCI guidelines
	Pneumonia	Antibiotics	x	x	x	x	x	
	Asthma	Prophylaxis (avoidance of allergens)	x	x	x	x	x	Patient and family education

		Pharmacological management : bronchodilators & corticosteroids	x	x	x	x		Mild and moderate forms can be managed at DHs.
		Nebulizer therapy	x	x	x	x		
		Oxygen therapy	x	x	x			
		IV pharmacological therapy	x	x	x			Severe forms managed at P&RHs and RHs
	ENT conditions	Pharmaceutical management, e.g. antibiotics	x	x	x	x		
		Surgical procedures and devices	x	x				ENT surgeons desirable at P&RHs. Management of ENT conditions requiring highly specialized procedures or devices etc..will be subject to guidelines guided by assessment prior it introduction.
<b>Cardiovascular Diseases</b>								
	Rheumatic heart disease	Antibiotics Surgery	x	x				
	Congenital heart disease	Cardiac catheterization Surgery	x					
	Dilated cardiomyopathy	Oxygen therapy Nutritional support Fluid management Cardiac medications	x					
<b>CNS Disorders</b>								
Pediatrics	Seizure disorders	Antiepileptic medications	x	x	x	x		Not all seizures require medications; follow management of convulsions protocol. Cases of status epilepticus referred to higher levels
	Coma	Identify & treat cause: brain injury, diabetes, etc.	x	x	x			Referral mainly for investigations (EEG, MRI or CT scan)
<b>Endocrine Diseases</b>								

	Diabetes Mellitus	Lifestyle modification (nutrition & physical activity)	x	x	x	x	x	
		Insulin therapy	x	x	x			Mentorship at P&RHs and DHs from higher levels helpful for patients in rural settings
Renal Diseases								
	Urinary tract infections	Antibiotics	x	x	x	x		
	Acute renal failure	Nutrition guidance	x	x	x			
		Medication management	x	x	x			
		Dialysis	x	x				Refer cases of renal failure. Dialysis Only during the acute phase equivalent to the first 6 weeks.
	Acute glomerulonephritis	Medication management	x	x	x			Refer cases of renal failure.
Renal Diseases								
Pediatrics	Primary & secondary nephrotic syndrome	Immune system medications, diuretics, antibiotics	x	x				Requires multisystem management including management of HIV, diabetes, or lupus.
	Congenital nephrotic syndrome	Dialysis Kidney transplant	x					Dialysis Only during the acute phase equivalent to the first 6 weeks.
Cancer								
	Cancer	Suspected cancer	x					Refer to Butaro Hospital. Guidelines regulating Specialized Hospital as Butaro and their package with specifications considerations
		Palliative care	x	x	x	x	x	
Infectious Diseases								
	Malaria	Antimalarial drugs	x	x	x	x	x	
	HIV	Antiretroviral drugs Prophylaxis	x	x	x	x		Refer complicated cases

	Sexually transmitted infections	Antibiotics	x	x	x	x		
	Tuberculosis	Anti-tuberculosis drugs	x	x	x	x	x	
	Meningitis	Antibiotics	x	x	x	x		
<b>Hematological Conditions</b>								
	Sickle cell anemia	Medication management	x	x	x			
		Simple or exchange transfusion	x					
	Hemophilia	Physical fitness, dental care, & vaccinations	x	x	x	x		
		Prophylactic use of Blood or blood products	x	x				

### 2.3 SURGICAL PROCEDURES

**Abbreviations:** Local anesthesia (LA), local regional anesthesia (LRA), and general anesthesia (GA),

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
General principles and basic techniques			+ Aseptic behavior + Handling instruments + Blood transfusion + Incision of an abscess + Suture technique + Hypovolemic-shock treatment + Bladder catheterization	x	x	x	x	General principles of resuscitation and life-saving procedures + common doses of sedatives and general anesthetics	Minor surgery at the HC= incision of a superficial abscess; bladder catheterization or supra-pubic puncture; suture of skin lesions;; emergency resuscitation with fluid infusion  LA-RA-GA  No Blood transfusion and assisted deliveries at health centers

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
<b>Orthopedic Surgery</b>									
<b>Fractures, Dislocations and Amputations</b>									
	Lower and Upper Limbs	Closed Fractures and Dislocations	<i>Splint</i>		x	x	x	LRA, GA, sedation/ analgesics	The patient transferred from a health facility to another should always be immobilized in a splint and transferred to an orthopedic surgeon.
	Lower and Upper Limbs	Closed and Open Fractures	<i>Plaster technique</i>	x	x	x		LRA, GA, sedation/ analgesics	Cast with window in an open fracture. Definitive management to be done by an orthopedic surgeon.
	Lower and Upper Limbs	Open fractures	Disinfection, debridement, plaster cast with window or tractions	x	x	x		LRA, GA	Temporary treatment waiting for external fixation to be provided by an orthopedic surgeon.
	Lower and upper limbs	Tendon lesions	Disinfection and dressing,  Primary suture	x	x	x	x	LRA, LA-GA	Wound disinfected and dressed at the HC then transferred to an experienced surgeon for repair of a tendon at DH or PH.
	Upper and lower limbs	Traumatic amputation of upper	Hemostatic and Immobilization	x	x	x	x	GA, LRA, analgesics	Patient should be transferred to an experienced health practitioner for

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		and lower limb							amputation.
	Femur , Hip	Closed Fractures and Dislocations	<i>Skin traction</i>		x	x		GA, LRA, sedation, analgesics	Skin traction while admitted and a supportive cast/splint when transferred for orthopedic management.
	Femur , Hip, Tibia	Closed Fractures and Dislocations	<i>Pin traction</i>	x	x	x		GA, LRA, sedation, analgesics	Conservative management is a definitive option.
	Pelvis	Fracture and Dislocation	Hip Spica	x	x	x		GA, LRA, analgesics	Open reduction and internal fixation and definitive conservative management must be performed in the P&RH by an orthopedic surgeon.
	Foot	Ligament and tendon injuries, fractures and dislocations	Immobilization in a back slab cast at 90° flexion of the foot	x	x	x	x	Analgesics, GA, LRA, sedation/analgesics	Open reduction and internal fixation and definitive conservative management must be performed in the PH by an orthopedic surgeon. Health centers have provisional splints for fracture immobilization before transfer.
	Ankle	Ligament and tendon injuries,	Immobilization in a back slab cast at 90° flexion of	x	x	x	x	GA, LRA, sedation, analgesics	As above

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		fractures and dislocations.	the foot						
	Clavicle, shoulder and humerus	Fractures and Dislocations	Triangular sling for shoulder and humerus fracture (no casts) + Light U-slab. Apply cuff and collar in P&RHs and DHs after x-ray.	x	x	x	x	GA, LRA, sedation, analgesics	Immobilization is mandatory before transfer.
	Elbow	Head of radius, supra and intercondylar, olecranon fractures + dislocation	The upper limb to be immobilized in a back slab at 90°	x	x	x	x	GA, LRA, sedation, analgesics	Definitive treatment to be performed by an orthopedic surgeon.
	Forearm	Radius and ulnar fractures	Upper elbow back slab + Suspended 90° long arm cast (arm to hand)	x	x	x	x	GA, LRA, sedation, analgesics	Open reduction and internal fixation and definitive conservative management must be performed in the PH by an orthopedic surgeon. Health centers have provisional splints for fracture immobilization before transfer.
	Wrist	Distal radius,	Below elbow Back slab		x	x	x	GA, LRA, sedation,	As above.



Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		distal ulna, wrist bones,						analgesics	
	Hand	Metacarpal and phalange bones	Below elbow Back slab		x	x	x	GA, LRA, sedation, analgesics	As above
<b>Bone Infections</b>									
	Upper and lower limbs	Acute osteomyelitis	Immediate immobilization with a plaster slab or a sling.	X	x	x	x	GA, LRA, sedation, analgesics	IV antibiotics and immobilization are administered as soon as possible prior to transfer to an orthopedic surgeon. HCs have provisional splints for fracture immobilization before transfer.
	Upper and lower limbs	Chronic osteomyelitis	Immobilization with a plaster slab or a sling and/or dressing	x	x	x		GA, LRA, sedation, analgesics	Perform before transfer to an orthopedic surgeon for definitive treatment.
	Upper and lower limbs	Chronic osteomyelitis	Extensive debridement, sequestrectomy, washing-drainage-pearls...	x	x	x		GA, LRA, sedation, analgesics	To be performed by a surgeon.
	Upper and Lower limb joints	Arthritis	Immobilization with a plaster slab or a sling.	x	x	x	x	Sedation/analgesics	Perform before transfer to an orthopedic surgeon for definitive treatment.
	Lower and upper limb joints	Arthritis	Needle aspiration of the pus	x	x	x		Sedation/analgesics	To be performed by an experienced surgeon

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
	Lower and upper limb joints	Arthritis	Arthrotomy	x	x			GA, LRA, sedation, analgesics LRA, sedation/analgesics	To be performed by an orthopedic surgeon
	Lower and upper limb	Osteo-articular malformations with or without neurological deficit		x				GA, LRA, sedation, analgesics	The surgery of these malformations is highly specialized and needs to be performed by an orthopedic surgeon.
<p><i>A lot of treatments of fractures and dislocations need traumatology experience. The level of treatment is thus dependent on the presence of competencies in plasters and slings application by an experienced nurse, but the indications for early mobilization of the fractured bones and joints are best decided by a specialist. All orthopedic cases in a provincial hospital are to be managed by a skilled surgeon.</i></p> <p><i>A lot of different types of fractures exist and can be consulted in the orthopedics/traumatology manuals<sup>5</sup>. An enumeration is thus not possible in this table. Only the main principles of treatment are mentioned. Generally, open reductions and fixations have to be performed by a skilled surgeon.</i></p>									
<b>Neurosurgery</b>									
	<b>Head</b>	Skull scalp laceration	Debridement		x	x	x	GA, LRA, sedation, analgesics	Clean the wound to remove all foreign bodies and close the wound.
		Skull fracture, open	Hemostasis	x	x	x	x	Analgesics or sedation GA.	Definitive management to be done by a neurosurgeon.
		Head injury	Resuscitation and urgently refer the patient	x	x	x	x	GA	Definitive treatment by a neurosurgeon.
		Hydrocephalus	Refer the patient	x	x	x		GA	Definitive treatment by a competent surgeon. At the DHs, drainage

<sup>5</sup> Cf. footnote 5

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
									should be performed by a skilled surgeon.
		Congenital head abnormalities	Refer the patient according to the defined referral system	x	x	x		GA, sedation/analgesics	Definitive treatment by neurosurgeon
		Focal deficit	Refer the patient according to the defined referral system	x	x	x	x	GA.	Definitive treatment by neurosurgeons
	<b>Spine</b>	Spine trauma	Hard collar for cervical spine injuries		x	x	x	GA if intubation required.	Definitive treatment by spine surgeon
		Thoracic and lumbar	+ Hard board for thoracic and lumbar spine injuries and refer	x	x	x	x	Analgesics	Definitive treatment by spine surgeon
		Spine pain	Proper assessment and management	x	x	x	x	GA, LRA, sedation, analgesics	At all levels, the health practitioner should seek advice and/or refer
		Spine pain with neurological deficit	Patient should be urgently referred to neurosurgical center	x	x	x	x	GA	Definitive treatment by spine surgeon
		Congenital spine diseases	Patient should be referred to the neurosurgeon	x	x	x	x	GA	Definitive treatment by neurosurgeon
<b>Ear, Nose and Throat (ENT) Surgery</b>									
	<b>Ear</b>	Foreign body	Extraction of a foreign body		x	x	x	GA, sedation	With hands on experience & appropriate equipment, this procedure can be done at HC.
		Cerumen	Ear irrigation		x	x	x	GA, sedation	As above

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		impaction							
		Chronic/ recurrent otitis media	Myringotomy	x	x			GA, sedation	
		Chronic/ recurrent otitis media	Tympanoplasty	x	x			GA	ENT surgeon only
		Chronic/ recurrent otitis media	Mastoidectomy	x	x			GA	
		External injuries	Repair of external injuries		x	x		LA, GA	
	Nose	Epistaxis	Stopping of epistaxis		x	x	x		Compression is only applicable in the HC.
		Foreign body	Extraction of a foreign body		x	x	x	GA, sedation	With appropriate equipment can be done at HC
		External injuries	Repair of external injuries		x	x		LA, GA	
	Throat	Peri-tonsil abscess	Incision of a peri-tonsil abscess	x	x			GA	
		Tonsillitis and adenoiditis	Tonsillectomy and adenoidectomy	x	x			GA	Tonsillectomy and adenoidectomy done following the established criteria
		Goiter	Thyroidectomy	x	x			GA	Thyroidectomy done following the established criteria
		Neck tumors	Tissue biopsy		x	x		LA, GA	
		Neck abscess	Incision of a neck abscess		x	x		Sedation, GA	
		Neck soft tissue injuries	Repair of neck soft tissue injuries		x			LA, GA	

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
<b>Dental Surgery</b>									
	Oral cavity	Loose or diseased teeth	Minor oral surgeries ( simple extraction, minor soft injury repair, freinectomy)	x x	x x	x x	x	LA, GA	Only dental professionals should perform extraction. HC focuses on prevention
			Major oral surgeries ( Desimpaction , sequestrectomy, maxillar and mandibular fractures						
<b>Cardiothoracic Surgery</b>									
	Airway	Airway obstruction	Tracheostomy	x	x	x		LA, GA	
			Cricothyroidotomy	x	x	x	x	LA, GA	Emergency to be taught at each level
	Effusion	Thoracic effusion, Pneumothorax	Thoracic drainage	x	x	x	x	LA, GA	If it is tension pneumothorax, needle decompression should be performed at the HC.
	Trauma	Simple rib fracture	Conservative management of rib fracture		x	x		Analgesics. GA, LRA	
		Flail chest	Flail chest management	x	x			GA, LRA	Refer to RHs, UTHs or national trauma center as needed
	Breast	Breast abscess	Incision of a breast abscess		x	x		GA	Frequent complication of breast feeding
		Breast mass	Lumpectomy of breast tumor (benign)		x	x		GA, LRA	
		Breast cancer	Mastectomy (malign tumor)	x	x			GA, LRA	P&RHs should perform diagnosis and if

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
									cancer is conformed, refer to RHs, UTHs or national cancer center as needed
General Surgery									
	Abdomen	Acute abdomen	Laparotomy	x	x	x		GA	Laparotomy is only indicated if the physician is able to treat bowel, liver, & spleen injuries.
		Abdominal hernia	Abdominal hernia repair		x			GA	
			Inguinal hernia repair		x	x		GA, LRA	The most common technique is the Bassini repair.
			Strangulated hernia repair	x	x	x		GA, LRA	This repair is a major procedure.
			Umbilical hernia repair		x	x		GA, LRA	
			Abdominal incisional hernia repair	x	x			GA, LRA	This repair is a major procedure.
		Abdominal trauma	Repair of traumatized abdominal wall and organs	x	x	x		GA, LRA	Emergency laparotomy is only indicated if unstable hemodynamic status & doctor is competent to manage bowel, liver, & spleen injuries.
	Urine retention	Insertion of a supra-pubic catheter		x	x		GA, LRA	Emergency procedure in case of urine retention.	
	Stomach & duodenum	Upper GI obstruction	Gastrostomy	x	x			GA, LRA	Gastrostomy is performed for nutrition.
		Perforated duodenal or gastric	Simple repair of a perforation duodenal or	x	x	x		GA, LRA	The level of treatment is dependent on the skills of the

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		ulcer	gastric ulcer= excision of ulcer and closing suture						surgeon and skilled GP and on the benign or malignant nature of the ulcer.
		Perforated duodenal or gastric ulcer	Repair of a bleeding of a gastric or duodenal ulcer= Hemostatic suture, excision and closing suture	x	x	x		GA, LRA	As above
		Gastric cancer	Gastrectomy (subtotal or antrectomy)	x	x			GA, LRA	As above
		Pyloric stenosis	Pyloroplasty/ gastroenterostomy	x	x			GA, LRA	As above
		Hypertrophic pyloric stenosis	Pyloromyotomy	x	x			GA, LRA	As above
	Gallbladder	Gallbladder stones, cancer, and infections	Cholecystectomy		x			GA, LRA	Cholecystectomy performed by a surgeon
	Small intestine	Intestinal perforation	Suture of an intestinal perforation	x	x	x		GA, LRA	Procedure can also be done in a DH by a skilled physician.
		Intestinal cancer	Intestinal resection and anastomosis	x	x	x		GA, LRA	The symptoms of a small intestine disorder are very often a 'high' obstruction.
	Appendix	Appendicitis	Appendectomy		x	x		GA, LRA	Procedure can also be done in a DH by a skilled physician.

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments	
	Colon	Colon disorders	Colostomy		x			GA, LRA	The symptoms of a colon disorder are often a “low” obstruction.	
		Sigmoid volvulus	Sigmoidectomy		x	x		GA, LRA	Before operating, soft introducing a rectal cannula can be tried-GA. Operation to be done by general surgeon	
	Rectum	Rectal prolapse	Recto sigmoidectomy		x			GA, LRA	HCs and DHs should perform manual reduction of rectal prolapse. Technique for a child and an adult differ! Operation to be done by general surgeon.	
	Anus	Hemorrhoids	Hemorrhoidectomy			x	x		GA, LRA	
		Anal fissure	Anal fissure repair	x	x	x		GA, LRA		
		Anal fistula	Anal fistula repair	x	x			GA, LRA	Discuss with urologists.	
		Ischio-rectal abscess	Incision of a ischio-rectal abscess	x	x			GA, LRA	This type of abscess can be the consequence of a prostatic abscess.	
	<b>Urology Surgery</b>									
		Bladder	Rupture of the bladder	Repair of ruptured bladder	x	x			GA, LRA	This rupture causes an uri- and hemoperitoneum . Operation to be done by general surgeon.
			Bladder stones	Removal of bladder stones	x	x			GA. LRA	Operation to be done by general surgeon.



Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		Urine retention	Cystostomy for urine retention due to urethral rupture	x	x	x		GA, LRA	
	<b>Urethra</b>	Urine retention	Bladder catheterization		x	x		LA, GA	If the catheter cannot be inserted at the HC, refer immediately to the DH.
			Dilation-bougination		x	x		GA, analgesics	
			Meatotomy		x	x		GA, LRA	
		Paraphimosis	Sleeve resection		x	x		Sedation and LRA, GA	
		Phimosis	Dorsal slit circumcision-phimosis		x	x	x	LRA- GA	To be done by medical officer
	<b>Testis</b>	Undescended testis	Orchidopexy-undescended testis		x	x		GA, LRA	Torsion can be managed at DH. In case of torsion, a bilateral orchidopexy is indicated.
		Torsion testis	De-torsion and Orchidopexy or orchidectomy	x	x	x		GA, LRA	
		Tunica vaginalis - hydrocele	Eversion/excision of the tunica vaginalis-hydrocele	x	x	x		GA, LRA	
			Vasectomy		x	x	x		LA, LRA, GA
	<b>Prostate</b>	BPH	Transvesical prostatectomy (modified Freyer)	x	x			GA, LRA	Operation to be done by urologist or skilled general surgeon
	<b>Obstetric and Gynecological Surgery</b>								

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments	
Obstetrics	Genital organs (uterus, ovaries, cervix, vagina)	Retained placenta	Manual removal of retained placenta		x		x	Sedation, GA	Procedure can be done, without sedation or GA, at HC provided there are experienced	
		Acute first and second degree perineal tear	Acute first and second degree perineal tear repair (delivery)		x		x	LA-sedation (after delivery)	In HCs, repair is done by midwives or experienced nurses.	
		Acute third degree perineal tear	Acute third degree perineal tear repair		x	x		LA-sedation (after delivery)	Anal sphincter repair is to be done by a specialist and under GA.	
		Acute cervical and vaginal tear	Acute cervical and vaginal tear repair (delivery)		x			LA-sedation (after delivery)		
		Incomplete abortion	Dilatation and curettage		x	x		SA-GA -		MvA can be done at HCs if diagnosis can be made by a midwife and echography is available.
			Manual vacuum aspiration		x		x			
		Complicated delivery	Assisted delivery (Vacuum)		x	x				
			Cesarean section	x	x	x		SA- GA		
		Ectopic pregnancy	Laparotomy	x	x	x		GA, LRA	If the GP of the DH is not skilled, resuscitation is initiated before transfer to the P&RH for GA.	
		Ruptured uterus	Conservative laparotomy, subtotal hysterectomy	x	x	x		GA	As above.	

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		Vesico-vaginal fistula	Vesico-vaginal fistula repair	x	x	x		GA, LRA	Some simple cases can be managed by urethral catheterization and repairs at DH by a trained person.
Gynecology		Investigations	Biopsies-cervix, vulva, endometrial tissue		x	x		GA, LRA	The DH for sample collection in some cases
		Bartholin's cyst or abscess	Excision-incision of a Bartholin's cyst or abscess and marsupilisation.		x	x		GA, LRA, sedation	An incomplete excision is a common cause of recurrences- GA. Abscess can be done at DH (but cystectomy at PH).
		Torsion of an ovarian cyst	Oophorectomy for torsion of an ovarian cyst.		x	x		GA, LRA	
		Uterine prolapse + cystocele (+ rectocele)	Management of a uterine prolapse + cystocele (+ rectocele)	x	x	x		GA, LRA	The combined vaginal hysterectomy and colporrhaphy anterior and posterior is a complex procedure only to be performed by specialists.(insertion of vaginal pessary)
		Family Planning	Mini-laparotomy for sterilization (tubal ligation)	x	x	x		GA, LRA	

Specialty Service Area	Organ	Medical Condition	Type of Procedures	NRH/ UTH	P&RH	DH	HC	Type of Anesthesia	Comments
		Vulvar and vaginal lesions	Repair of vulvar and vaginal tears and lacerations	x	x	x	x	LA, GA, LRA	The physician should immediately contact the GBV center if the lesions are due to GBV.
		Cervical lacerations	Repair	x	x	x		LA	Early detection at all levels;  Specialists and trained GP to do repair
		Uterine prolapse, fibroids endometriosis etc.	Vaginal hysterectomy	x	x			GA, LRA	For DH it will be discussed with gynaecologists
			Abdominal hysterectomy						

**2.4 TYPES OF SURGICAL PROCEDURES**

PROCEDURES		CHU	RH/PH	DH	HC
<b>Minor procedures</b>					
1	Amputation of a finger	X	X	X	
2	Ascites puncture	X	X	X	
3	Bladder probe catheterization	X	X	X	X
4	Blepharorrhaphy	X	X	X	
5	Chalazion incision and curettage procedure	X	X	X	
6	Complicated dressing	X	X	X	
7	Condyloma Cauterization	X	X	X	
8	Cryo -thermo - coagulation	X	X	X	
9	Curettage of molluscum contagiosum	X	X	X	
10	Curo - pedal plaster	X	X	X	
11	Deep or multiple sutures	X	X	X	
12	Digital curage	X	X	X	
13	Ear syringing	X	X	X	
14	Exeresis of small tumours (lipomatosis, cysts)	X	X	X	
15	Extracting foreign material	X	X	X	
16	Eyelid suture + paupo-tear way	X	X	X	
17	Feet correcting plaster (Consumables are not included)	X	X	X	
18	Foreign body extraction	X	X	X	
19	Hymenectomy	X	X	X	
20	Incision and drainage of deep abscess with local or general anesthesia	X	X	X	
21	Incision and drainage of superficial abscess with or without local anesthesia	X	X	X	X
22	Intra-articular injection	X	X	X	
23	IUD ablation	X	X	X	
24	IUD insertion	X	X	X	
25	Joint puncture	X	X	X	
26	Labia minora detachment	X	X	X	
27	Lumbar puncture	X	X	X	
28	Male Circumcision	X	X	X	X
29	Norplan ablation	X	X	X	
30	Norplan implantation	X	X	X	
31	Organ Biopsy	X	X	X	
32	Pelvic-pedal plaster	X	X	X	
33	Plaster (Consumables are not included)	X	X	X	
34	Plaster applied from hip to knee (Consumables are not included)	X	X	X	
35	Plaster removal	X	X	X	

<b>PROCEDURES</b>		<b>CHU</b>	<b>RH/PH</b>	<b>DH</b>	<b>HC</b>
36	Plaster splint	X	X	X	
37	Plastered boots	X	X	X	
38	Plastered corset (Consumables are not included)	X	X	X	
39	Pleural puncture	X	X	X	
40	Removal of ingrown nail	X	X	X	
41	Removal of the stitches	X	X	X	X
42	Remove the stitches	X	X	X	
43	Simple suture	X	X	X	X
44	Spillway curettage	X	X	X	
45	Stomach tube	X	X	X	
46	Strapping (elastic bandage)	X	X	X	
47	Superficiel synovial cyst ablation	X	X	X	
48	Surgical operation of cysts	X	X	X	
49	Surgical operation of keloids	X	X	X	
50	Surgical trimming	X	X	X	
51	Tear duct probe	X	X	X	
52	Thoracic drainage	X	X	X	
53	Venous cut-downs	X	X	X	
54	Wound Dressing	X	X	X	
<b>Intermediate or Major procedures</b>					
1	Herniorrhaphy	X	X	X	
2	Surgical operation of hemorrhoids	X	X	X	
3	Skin graft	X	X	X	
4	Hydrocele	X	X	X	
5	Osseous curettage	X	X	X	
6	Appendectomy	X	X	X	
7	Testicular torsion	X	X	X	
8	Isolated tubal ligation	X	X	X	
9	Wound debridement	X	X	X	
10	Cervical cerclage	X	X	X	
11	Laparotomy for ovarian cyst	X	X	X	
12	Marsupialization (other etiology)	X	X	X	
13	Cure of disembowelment	X	X	X	
14	Varicectomy	X	X	X	
15	External fixation	X	X	X	
16	Dislocation reduction	X	X	X	
17	Capsulotomy	X	X	X	
18	Cyst excision	X	X	X	
19	Pterygium excision, pinguecula	X	X	X	
20	Tumor excision Conjunctival	X	X	X	
21	Pterygium excision, pinguecula	X	X	X	

PROCEDURES		CHU	RH/PH	DH	HC
22	Excision of conjunctival tumor	X	X	X	
23	Esophageal perforation repair	X	X		
24	Resection and anastomosis of caustic injury of the esophagus	X	X		
25	Biopsy (superficial)	X	X	X	
26	Fasciotomy	X	X		
27	Endoscopic Third Ventriculostomy (ETV)	X	X		
28	Triple screw	X	X		
29	Osteotomy	X	X		
30	Cure of vesical exstrophy	X	X		
31	Internal urethrotomy (other etiology)	X	X		
32	Prostate endoscopic resection	X	X		
33	Removal of a benign tumor of the esophagus	X	X		
34	Cure of diaphragmatic hernia	X	X		
35	Cure of hiatal hernia	X	X		
36	Cure of gastroesophageal reflux	X	X		
37	Cure of endo brachy-esophagus	X	X		
38	Dilation of the esophagus	X	X		
39	Oeso Cardio myotomy for megaesophagus (Heller procedure)	X	X		
40	Esophagectomy for esophageal cancer	X	X		
41	Oesogastrectomy for tumor of the cardia	X	X		
42	Repair of a ruptured esophagus	X	X		
43	Gastrostomy + Hemostasis on hemorrhagic ulcer	X	X		
44	Gastrectomy on gastric ulcer or stomach cancer	X	X		
45	Extended gastrectomy on stomach cancer	X	X		
46	Truncal vagotomy + pyloroplasty on duodenal ulcer (or other vagotomy without drainage)	X	X		
47	A benign tumor ablation of the stomach	X	X		
48	Gastrostomy on gastric diverticulum	X	X		
49	Truncal vagotomy + gastro-entero-anastomosis stenosis of the pylorus	X	X		
50	Cure bleeding of duodenal ulcer	X	X		
51	Unthrombosed hemorrhoid on Hemorroïdectomies	X	X		
52	Cure of HIRSCHSPRUNG disease (Swenson-Dulamel, etc.)	X	X		
53	Posterior sagittal ano-recto plasty on ano-rectal malformation (ARM)	X	X		
54	Incision and drainage of amebic liver abscess	X	X		
55	Incision and drainage of liver abscess (other etiology)	X	X		
56	Cure of diaphragmatic hernia	X	X		
57	Cure of anal fissure	X	X		
58	Cure of anal fistula	X	X		
59	Laparoscopic surgery	X	X		
60	Enucleation of benign liver tumor	X	X		
61	Left or right hepatectomy of malignancy	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
62	Debridement + hemostasis in liver trauma	X	X		
63	Excision of a metastatic liver tumor	X	X		
64	Portocaval anastomosis on portal hypertension (or splenorenal)	X	X		
65	Cholecystectomy on hydro cholecystitis	X	X		
66	Cholecystectomy on pyocholecystite	X	X		
67	Cholecystectomy + Exploration on cholelithiasis	X	X		
68	Resection + anastomosis on stenosis of bile duct	X	X		
69	Removal of choledochal cyst	X	X		
70	Cholecystectomy + dissection of bladder cancer	X	X		
71	Cure of cystocele	X	X		
72	Cure of rectocele	X	X		
73	Cure of vesical exstrophy	X	X		
74	Cholecystectomy on perforation of the bladder	X	X		
75	Pancreaticoduodenectomy	X	X		
76	Gastroenterostomy (Gastro enteric anastomosis on antral tumor or other)	X	X		
77	Cholecystectomy-jejunostomy + biliodigestive anastomosis on the fistula of bile ducts	X	X		
78	Cephalic duodeno-pancreatectomy on the cancer of the pancreatic head	X	X		
79	corporeal pancreatectomy in pancreas body cancer and pancreas tail cancer	X	X		
80	Cholecystectomy in cholecystitis	X	X		
81	Debridement of necrosis of the pancreas	X	X		
82	Enucleation of benign tumor of the pancreas	X	X		
83	Removal of blocked calculus stuck in VATER's bulb	X	X		
84	Pancreatectomy on the pancreas tumor	X	X		
85	Drainage of the pancreatic abscess	X	X		
86	Cholecystectomy on vesicular lithiasis	X	X		
87	Caudal splenopancreatectomy	X	X		
88	Splenorrhaphy on splenic abscess	X	X		
89	Abdomino-perineal amputation in anal cancer	X	X		
90	Cure of omphalocele-Gastroschisis	X	X		
91	Cure of CROHN disease	X	X		
92	Cure of myelomeningocele	X	X		
93	Cure spina bifida	X	X		
94	subtotal or total thyroidectomy on the goitre	X	X		
95	Cure of thyroglossal cyst	X	X		
96	Tracheotomy in case of dyspnea	X	X		
97	Biopsy of lymph node with a fine needle	X	X		
98	Biopsy on lymph nodules	X	X		
99	Lung decortication in case of encysted lung abscess	X	X		
100	Lobectomy on lung tumor	X	X		



PROCEDURES		CHU	RH/PH	DH	HC
101	Pneumonectomy on lung tumor	X	X		
102	Cure of broncho-tracheal cyst	X	X		
103	Cure of the branchial fistula	X	X		
104	Debridement without anesthesia	X	X		
105	Debridement under general anesthesia	X	X		
106	rib resection + Drainage of the emphysema	X	X		
107	thoracic drainage of the pleural effusion	X	X		
108	Thoracotomy + excision of mediastinal mass	X	X		
109	Cancer cholecystectomy on the bile duct	X	X		
110	Stripping of varicose veins on the leg	X	X		
111	Pericardectomy of pericarditis	X	X		
112	Vascular prosthesis on aneurysm	X	X		
113	Cure of hygroma	X	X		
114	Incision and drainage of an abscess	X	X		
115	Removal of a tumor/ Removal of a superficial foreign body	X	X	X	
116	Denudation of dehydration	X	X		
117	Amputation of the finger or toe	X	X		
118	Amputation of the foot or hand	X	X		
119	Amputation of the leg or forearm	X	X		
120	Amputation of the thigh or arm	X	X	X	
121	Disarticulation of the shoulder or hip	X	X		
122	Removal of an ingrown nail	X	X		
123	Resection of rectal polyp or colon polyps	X	X		
124	Ventriculoperitoneal diversion of the hydrocephalus	X	X		
125	Trepanation of extra dural or subdural hematoma	X	X		
126	Drainage of the scalp hematoma	X	X		
127	Pericardial drainage in case of pericardial effusion	X	X		
128	Removal of a breast nodule	X	X		
129	Incision and drainage of a breast abscess (mastitis)	X	X		
130	Mastectomy for Breast Cancer	X	X		
131	Removal of a synovial cyst	X	X	X	
132	Saphenous prosthesis on vessel wounds	X	X		
133	Removal of a hemangioma	X	X		
134	Skin graft of a clean wound	X	X		
135	Cystostomy	X	X		
136	Endoscopic removal of a urolithiasis	X	X		
137	Endoscopic resection of the prostate for prostate adenoma	X	X		
138	Endoscopic resection of a bladder polyp	X	X		
139	Endoscopic electrocoagulation of posterior urethral valves	X	X		
140	Resection of the bladder neck for cervical disease	X	X		
141	Internal urethrotomy for urethral stenosis	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
142	Nephrectomy in renal calculus	X	X		
143	Nephrectomy in renal cancer	X	X		
144	Nephrectomy on Willims' tumor	X	X		
145	Drainage of perinephric abscess	X	X		
146	Cure of pyelo-ureteric junction syndrome	X	X		
147	Nephrectomy on hydronephrosis	X	X		
148	Ureterotomy on ureteric calculus	X	X		
149	Cure of hydronephrosis on urethral stenosis	X	X		
150	Ureteral Plasty of hydronephrosis on mega-ureter	X	X		
151	Cystostomy of acute urinary retention	X	X		
152	Cystostomy of the ruptured urethra	X	X		
153	Cystotomy of bladder calculus	X	X		
154	Bricaire operation on bladder cancer	X	X		
155	Vascular Prosthesis on abdominal angina	X	X		
156	Ureterotomy on urethral calculus	X	X		
157	Repair of ruptured bladder	X	X		
158	Adenomectomy on the prostate adenoma	X	X		
159	Urethroplasty on urethral stenosis	X	X		
160	Reimplantation of the ureter (ureterovesical)	X	X		
161	Cure of epispadias or hypospadias	X	X		
162	Removal of the urethral meatus tumor	X	X		
163	Cure on persistent processus vaginalis of peritoneum	X	X		
164	Cure of hydrocele	X	X		
165	Cure of testicular ectopia	X	X		
166	Removal of the cyst of the spermatic cord	X	X		
167	Ligation of the spermatic vein in varicocele	X	X		
168	Cure of testicular torsion	X	X		
169	Cystoscopy + input of the ureteral catheter	X	X		
170	Diagnostic Cystoscopy	X	X		
171	Vesico-vaginal fistula, VVF Cure	X	X		
172	Amputation of cancer of the penis	X	X		
173	Reduction of the paraphymosis	X	X		
174	Depressed fracture elevation	X	X		
175	Exploratory trephination	X	X		
176	Epidural hematoma evacuation	X	X		
177	Acute sub-dural hematoma evacuation	X	X		
178	Chronic sub-dural hematoma burrhole hematoma evacuation	X	X		
179	Sub-dural hygroma burrhole evacuation	X	X		
180	Intracerebral hematoma evacuation	X	X		
181	Posterior fossa hematoma evacuation	X	X		
182	Dural sinus repair	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
183	Otorrhea or rhinorrhea repair	X	X		
184	Cranioplasty	X	X		
185	Brain contusion/laceration debridement	X	X		
186	Resection of supratentorial brain tumor	X	X		
187	trans-sphenoidal pituitary adenoma resection	X	X		
188	Transcranial resection of pituitary adenoma	X	X		
189	Transphenoidal craniopharyngioma resection	X	X		
190	transcranial resection of craniopharyngioma	X	X		
191	Resection of convexity meningioma	X	X		
192	Resection of parasagittal meningioma	X	X		
193	Resection of falx meningioma	X	X		
194	Resection of tentorial meningioma	X	X		
195	Resection of lateral ventricle tumors	X	X		
196	Resection of third ventricle tumors	X	X		
197	Resection of cerebellar hemisphere tumors	X	X		
198	Resection of cerebellar vermix tumors	X	X		
199	Resection of fourth ventricle tumors	X	X		
200	Acoustic neurinoma resection	X	X		
201	Resection of cerebello-pontine angle meningioma	X	X		
202	Resection of cerebello-pontine angle cholesteatoma	X	X		
203	Resection of foramen magnum tumors	X	X		
204	Resection of olfactory groove meningioma	X	X		
205	Resection of suprasellar meningioma	X	X		
206	Resection of sphenoidal ridge meningioma	X	X		
207	Resection of clival tumor	X	X		
208	Resection of cranial vault bone tumor	X	X		
209	Resection of cranial base bone tumor	X	X		
210	Evacuation of hypertensive supra-tentorial intracerebral hematoma	X	X		
211	Evacuation of hypertensive intracerebellar hematoma	X	X		
212	Intraventricular hematoma drainage	X	X		
213	Skull osteomyelitis resection	X	X		
214	Subdural abcess drainage	X	X		
215	Resection of epidural abcess	X	X		
216	Drainage of brain abcess	X	X		
217	Marsupialization of brain abcess	X	X		
218	Resection of brain abcess	X	X		
219	Removal of cysterci of fourth ventricle and basal cistern	X	X		
220	Resection of skull cavernous hemangioma	X	X		
221	Transcranial resection of optic nerve tumor	X	X		
222	Repair of cranial bifida	X	X		
223	Ventriculo-peritoneal shunt for hydrocephalus	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
224	Ventriculo-atrial shunt for hydrocephalus	X	X		
225	Resection of brain arachnoid cysts	X	X		
226	Posterior fossa decompression	X	X		
227	Resection of extradural tumor of spinal cord	X	X		
228	Resection of subdural-extramedullary tumor	X	X		
229	Resection of intramedullary tumor	X	X		
230	Resection and repair of spina bifida	X	X		
231	Resection and repair of myelomeningocele	X	X		
232	Resection of lumbosacral pilonidal sinus	X	X		
233	Intracranial aneurism clipping	X	X		
234	wrapping of intracranial aneurism	X	X		
235	Giant intracranial aneurism aneurismoplasty	X	X		
236	Resection of cerebral convexity arteriovenous malformation(AVM)	X	X		
237	Resection of cerebral interhemisphere AVMs	X	X		
238	Resection of intraventricular and periventricular AVMs	X	X		
239	Resection of strio-capsulo-thalamic AVMs	X	X		
240	Resection of hippocampo-lenticular AVMs	X	X		
241	Resection of great Vein AVMs	X	X		
242	Resection of infratentorial AVMs	X	X		
243	Dural Arteriovenous fistulae operation	X	X		
244	Carotid-cavernous fistula operation	X	X		
245	Trapping of carotid-cavernous fistula	X	X		
246	Carotid endarterectomy	X	X		
247	Vertebral endarterectomy	X	X		
248	Superficial temporal artery-MCA anastomosis	X	X		
249	Removal of catheter cranial drainage	X	X		
250	Trans-fontanel ventricular puncture	X	X		
251	Trans-fontanel sub-dural hematoma drainage	X	X		
252	Trans-fontanel ventricular CSF drainage	X	X		
253	Skin graft of head	X	X		
254	resection of scalp scar + plasty	X	X		
255	Intraventricular hematoma drainage(each side)	X	X		
256	Transcranial ventricular CSF drainage (each side)	X	X		
257	Plugging a base fractured 5th metatarsal	X	X		
258	Reduction + plugging for interphalangeal dislocation	X	X		
259	Reduction + plugging the metatarsal fracture	X	X		
260	Reduction + plugging the phalanx fracture	X	X		
261	Plugging the sternoclavicular dislocation	X	X		
262	Sternoclavicular internal Cleidectomy	X	X		
263	Screwing plate for a clavicle fracture	X	X		
264	External fixation for fracture of the clavicle	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
265	Rush pine for a clavicle fracture	X	X		
266	Plugging for acromioclavicular dislocation	X	X		
267	Coracoid transfer for acromioclavicular dislocation	X	X		
268	Open reduction for glenohumeral dislocation	X	X		
269	Rush pine for a fractured humeral neck	X	X		
270	T-plate for a fractured humeral neck	X	X		
271	Hacketal for a fractured humeral neck	X	X		
272	Plate console for a fracture of the distal radius	X	X		
273	Screwing of trochiter fracture	X	X		
274	Screwing plate for humeral shaft fracture	X	X		
275	Plugging the Bennet fracture (1st meta)	X	X		
276	Plugging the fracture of the metacarpals	X	X		
277	Reduction + plugging the metacarpophalangeal dislocation	X	X		
278	Plugging the fracture of the phalanges	X	X		
279	Plugging the fracture of the radial head	X	X		
280	Screwing plate for fracture of the radial shaft	X	X		
281	Rush pin for radial shaft fracture	X	X		
282	Screwing plate for pubic disjunction	X	X		
283	Screw for fracture of the fibular head	X	X		
284	Screwing plate for fracture ulnar shaft	X	X		
285	Rush pin for fracture ulnar shaft	X	X		
286	Screwing Plate to the fractured two forearm bones	X	X		
287	Reduction + plugging the lower radio-ulnar dislocation	X	X		
288	Plugging the lower extremity fracture of the radius	X	X		
289	External fixator for fracture of the distal radius	X	X		
290	Screwing the scaphoid fracture	X	X		
291	Bone graft for scaphoid nonunion	X	X		
292	Scaphoid nonunion for screwing	X	X		
293	Reduction + plugging for dislocation interphalangeal	X	X		
294	Reduction + traction for hip dislocation	X	X		
295	Screw for femoral head fracture	X	X		
296	Screwing of a fracture of the acetabulum	X	X		
297	Screwing plate for fracture of the acetabulum	X	X		
298	Reduction + screwed plate to a fracture of the acetabulum	X	X		
299	Reduction + screwed plate to a hip fracture-dislocation	X	X		
300	Suture for an Achilles tendon rupture	X	X		
301	Tightening of the muscle plantaire for an Achilles tendon rupture	X	X		
302	Reduction + plugging for ankle-subtalar dislocation	X	X		
303	Screwing the talus fracture	X	X		
304	Screwing of a fracture of the calcaneus	X	X		
305	Screwing the broken scaphoid tarsal	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
306	plugging + reduction for dislocation or subtalar	X	X		
307	Reduction + plugging for dislocation midtarsal (Chopart)	X	X		
308	Reduction + plugging for dislocation of tarsometatarsal (Lisfranc)	X	X		
309	Hackethal for a fractured humeral shaft	X	X		
310	Screwing the supra-condylar fracture	X	X		
311	Plugging the supra-condylar fracture	X	X		
312	Screw for fracture humeral condyle	X	X		
313	Screwing for extra and intercondylar humerus fracture	X	X		
314	Screwing the fractured capitellum	X	X		
315	Plugging the fractured capitallum	X	X		
316	Screwing of a fracture of epicondyle	X	X		
317	Screw for fracture of the medial epicondyle	X	X		
318	Plugging for epitrochlea fracture	X	X		
319	Reduction for a dislocated elbow	X	X		
320	Plugging the dislocated elbow	X	X		
321	Bracing for a fracture of the olecranon	X	X		
322	Screw for fracture coronoid	X	X		
323	Plugging for fracture coronoid	X	X		
324	Resection for a fracture of the radial head	X	X		
325	Plated blade for a pertrochanteric fracture	X	X		
326	Plugging for carpal fracture	X	X		
327	Reduction + plugging the lunate dislocation	X	X		
328	Reduction + plugging for perilunar dislocation of the carpus	X	X		
329	Screwing the fracture Bennet (1st meta)	X	X		
330	Suture + plaster to a wound of the flexor tendons	X	X		
331	Suture + plaster to a wound of the extensor tendons	X	X		
332	Suture + plaster to a wound of the nerves	X	X		
333	Strapping + Post transplant for dens fracture	X	X		
334	Strapping posterior for a fractured upper cervical spine	X	X		
335	Screwing Plate to a fracture of the lower cervical spine	X	X		
336	Graft for a posterior dislocation of the upper cervical spine	X	X		
337	Graft for posterior dislocation of lower cervical spine	X	X		
338	Graft for cervical dislocation fracture	X	X		
339	Harrington-surgical fixation screw to fracture thoracolumbar spine	X	X		
340	Reduction + Surgical fixation for thoracolumbar spine dislocation	X	X		
341	Reduction + Surgical fixation for fracture thoracolumbar spine	X	X		
342	Suture + plaster for a patellar tendon rupture	X	X		
343	Reduction + plugging the metatarsophalangeal dislocation	X	X		
344	Screwing plate for tibial pilon fracture	X	X		
345	Screw for tibial pilon fracture	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
346	Screwing a fracture of the medial malleolus	X	X		
347	Screwing plate for fracture of the lateral malleolus	X	X		
348	Rush pine for a fracture of the lateral malleolus	X	X		
349	Screwing + screwed plate to a fracture bimalléolaire	X	X		
350	Rush pin + screw for fracture bimalléolaire	X	X		
351	Ankle fracture dislocation reduction + plaster	X	X		
352	External fixation for the ankle fracture dislocation	X	X		
353	Transplantar nail for ankle fracture dislocation	X	X		
354	Surgical repair of a torn ankle ligament	X	X		
355	External fixation for pubic disjunction	X	X		
356	Traction + transplant for sacroiliac disjunction	X	X		
357	Screwing of the femoral neck fracture	X	X		
358	Hemi-prosthesis for femoral neck fracture	X	X		
359	Surgical repair of a torn knee ligament + plaster	X	X		
360	Plated screws for pertrochanteric fracture	X	X		
361	Gamma nail for fracture pertrochanteric	X	X		
362	Locked nail for trochanteric fracture	X	X		
363	Plated blade for trochanteric fracture	X	X		
364	Plated screw for trochanteric fracture	X	X		
365	Fastening nail for femoral shaft fracture	X	X		
366	Plated Screw for fracture of the femoral diaphysis	X	X		
367	External fixator for fracture of the femoral diaphysis	X	X		
368	Locked nail for a supra-condylar fracture of the femur	X	X		
369	Plated blade to a supra-condylar fracture of the femur	X	X		
370	Screwing + plated blade under and intercondylar fracture of the femur	X	X		
371	Screwing for intercondylar fracture of the femur	X	X		
372	Plated blade for epiphyseal abruption of the femur	X	X		
373	Screwing a fractured tibial tuberosity	X	X		
374	Spoiler Repair for patella luxation	X	X		
375	Meniscectomy for a torn meniscus	X	X		
376	Meniscal repair for a meniscus tear	X	X		
377	Screwing Plate for fracture of tibial metaphyseal	X	X		
378	Locked nail for fracture of the metaphysis of the tibia	X	X		
379	External fixator for a lower epiphyseal abruption of the tibia	X	X		
380	Plugging the lower epiphyseal abruption of the tibia	X	X		
381	Staples to fix the epiphyseal abruption of the femur	X	X		
382	Plugging for epiphyseal abruption of the femur	X	X		
383	External fixator for epiphyseal abruption of the femur	X	X		
384	Reduction + ligament repair + plaster for knee dislocation	X	X		
385	Cerclage for a fracture of the kneecap	X	X		
386	Plasty for a torn knee ligament	X	X		

PROCEDURES		CHU	RH/PH	DH	HC
387	Screw for tibial plateau fracture	X	X		
388	Screwing plate for fracture of the tibial plateau	X	X		
389	Fastening nail for the intramedullary fracture of the shaft of the tibia	X	X		
390	Screwing plate for fracture of the shaft tibial	X	X		
391	Screwing plate for fracture of the fibula diaphysis	X	X		
392	Rush pine for a fracture of the shaft of the fibula	X	X		
393	Bracing for a fracture of the knee cap	X	X		
394	Suture + plaster to a ruptured quadriceps tendon	X	X		
395	Ablation of osteosynthesis material under general anesthesia	X	X	X	
396	Cystoscopy + biopsy of the bladder	X	X		
397	Electrocoagulation of condylomata of the glans	X	X		
398	Meatoplasty stenosis of the urethral meatus	X	X		
399	Pulpectomy for prostate cancer	X	X		
400	Scrotal abscess drainage of	X	X		
401	Removal of urethral cyst	X	X		
402	Cure of the kinking of the penis	X	X		
403	Cure of varicocele	X	X		
404	Nephrostomy	X	X		
405	Urethrostomy	X	X		
406	Internal urethrotomy of urethral stenosis	X	X		
407	Cure of bladder diverticulum	X	X		
408	Cure of ureterocele	X	X		
409	Partial cystectomy	X	X		
410	Radical cystectomy	X	X		
411	Cystoplasty	X	X		
412	Radical cystoprostatectomy	X	X		
413	Nesbit operation (Lapeyronnie disease)	X	X		
414	Endoscopic resection of prostate (ERP) (other etiology)	X	X		
415	Endoscopic resection of bladder tumor (ERB)	X	X		
416	Nephrolithotomy	X	X		
417	Pyelolithotomy	X	X		
418	Cure of VUR by mega ureter	X	X		
419	Cure of a renal cyst	X	X		
420	Cure of undescended testes (orchidopexy)	X	X		
421	Sphincterotomy for anal fissure	X	X		
422	Resection or dilatation of anal fissure	X	X		
423	Cure of strangulated hernia	X	X		
424	Diagnostic laparoscopy	X	X		
425	Untwisting the sigmoid volvulus	X	X		
426	Segmental colectomy / transverse	X	X		
427	Cure + Herniorrhaphy on strangulated hernia	X	X		



PROCEDURES		CHU	RH/PH	DH	HC
428	Intestinal perforation cure	X	X		
429	Rectal prolapse	X	X		
430	Cure perforated duodenal ulcer	X	X		
431	Désinvagination (of intussusception) gut	X	X		
432	Intestinal or colonic resection of intussusception	X	X		
433	Hemicolectomy right or left colon cancer	X	X		
434	Laparotomy intestinal obstruction	X	X	X	
435	Laparotomy on localized or generalized peritonitis	X	X		
436	Laparotomy benign tumor of the intestine	X	X		
437	Laparotomy for hemoperitoneum on anal fistula cure	X	X		
438	Marsupialization for thoracic empyema	X	X		
439	Resection (with or without cleaning) on tumor of the intestine	X	X		
440	Colonic resection of tumor, volvulus or diverticulosis of the colon	X	X		
441	Resection of myocardial mesentery	X	X		
442	Thoracotomy for empyema, decortication, etc ...	X	X		
443	Therapeutic Laparoscopy	X	X		
444	Fracture traction	X	X	X	
445	Osteosynthesis	X	X	X	
446	Baker's cyst removal (popliteal cyst)	X	X	X	
447	Splenectomy	X	X	X	
448	Thyroidectomy	X	X	X	
449	Partial gastrectomy	X	X	X	
450	Gastrointestinal enterotomy	X	X	X	
451	Bowel resection	X	X	X	
452	Removal of saphenous vein	X	X	X	
453	Colostomy in case of bowel obstruction, Volvulus, peritonitis	X	X	X	
454	Hysterectomy	X	X	X	
455	Cesarean section	X	X	X	
456	Caesarean and tubal ligation	X	X	X	
457	Ectopic pregnancy	X	X	X	
458	Amputation of a lower limb	X	X	X	
459	Amputation of upper limb	X	X	X	
460	Oophorectomy	X	X	X	
461	Myomectomy	X	X	X	
462	Salpingectomy	X	X	X	
463	Sequestrectomy	X	X	X	
464	Repair of cervical tears	X	X	X	
465	Repair of perineal tear	X	X	X	
466	Hysterorrhaphy	X	X	X	
467	Vesico-vaginal fistula repair	X	X	X	
468	Rectovaginal fistula repair	X	X	X	

PROCEDURES		CHU	RH/PH	DH	HC
469	Recto- vesico -vaginal fistula repair	X	X	X	
470	Strapping rectal prolapse	X	X	X	
471	Flattening anal fistula	X	X	X	
472	Exploratory laparotomy	X	X	X	
473	Tonsillectomy	X	X	X	
474	Laminectomy	X	X	X	
475	Trepanation	X	X	X	
476	Nephrectomy (other etiology)	X	X	X	
477	Hemicolectomy	X	X	X	
478	Cholecystectomy	X	X	X	
479	Cataract operation	X	X	X	
480	Reduction of Finger / toe	X	X	X	
481	Reduction of Ankle	X	X	X	
482	Reduction of Wrist	X	X	X	
483	Reduction of Forearm / elbow	X	X	X	
484	Reduction of Shoulder	X	X	X	
485	Reduction of Leg / Knee	X	X	X	
486	Reduction of Hip	X	X	X	
487	Reduction under fluoroscopy	X	X	X	
488	<b>Plaster of Paris</b>	X	X	X	
489	<b>Synthetic Plaster</b>	X	X	X	

## 2.5 PRE-HOSPITAL EMERGENCY PROCEDURES

### A. INJURIES

#### 1. ROAD TRAFFIC ACCIDENTS

- Any Road Traffic Accident is considered as pre-hospital emergency.

#### 2. OTHER ACCIDENTS

- Working place accidents: e.g: building collapsed, electrocution, etc
- Home accidents: burns, electrocution, falling down, building collapsed all with life threatening conditions, poisoning, lightening
- Assaults: Fight, gun shoot, etc

### B. MEDICAL EMERGENCIES

1. Coma status of any cause other than accident
2. Medical life threatening conditions: e.g: Asthma crisis, Diabetes crisis, Cardiac crisis, anaphylaxis of any cause, poisoning, PTSD (post traumatic stress disorder)
3. Shock of any cause

### C. GYNECO-OBSTETRIC & NEONATAL EMERGENCIES

1. Pre and post partum hemorrhage: Placenta praevia, Placenta retention, Abortion etc
2. Incomplete delivery out of health facility
3. Seizures during pregnancy of any cause e.g: pre-eclampsia and eclampsia

4. Foetal distress of any cause e.g: Prolapsed cord, etc
5. Neonatal distress

#### D. REFERRAL AND COUNTER-REFERRAL PROCEDURE

1. **Referral:** is done between 2 different health facilities with a referral note for further management or investigations
2. **Counter-referral:** is done between 2 different health facilities with a specialist counter-referral approval. e.g: for palliative care, to continue treatment etc.

### 2.6 INVESTIGATIONS

#### A. MEDICAL IMAGING EXAMS

	UTH	RH/PH	DH	HC
<b>I. RADIOGRAPHY</b>				
UPPER LIMBS	X	X	X	
LOWER LIMBS	X	X	X	
CHEST	X	X	X	
SPINAL CORD	X	X	X	
ABDOMEN_Abdomen without preparation (Awp)	X	X		
<b>SPECIAL EXAMS</b>				
Lav. barium	X	X	X	
hysterosalpingography	X	X	X	
bronchography	X	X		
fistulography	X	X		
sialography	X	X		
Transit-oeso.-gastrointestinal duoden.	X	X		
cholecystography	X	X		
transit hail	X	X		
interventional colonoscopy	X	X		
intravenous urography	X	X		
Urethro-Cysto-Retrograde	X	X		
mammography (A breast)	X	X		
<b>II. ECHOGRAPHY</b>				
Abdominal ultrasound	X	X	X	
Abdominal pelvic ultrasound (Gyneco-obstetric)	X	X	X	
Electrocardiogram (ECG)	X	X	X	
Cardiac Doppler echography (or echocardiography)	X	X		
<b>SPECIAL REVIEW</b>				
biometrics	X	X	X	
And fluorescence angiography	X	X	X	
Other fundus	X	X	X	
Goldmann visual field	X	X	X	
Wallpaper glass eye contacts	X	X	X	

	UTH	RH/PH	DH	HC
Test Lancaster	X	X	X	
Color vision / refractive	X	X	X	
Evisceration of the globe	X	X		
<b>III. CT-SCAN</b>				
HEAD	X	X		
NECK	X	X		
CHEST AND HEART	X	X		
ABDOMEN	X	X		
UPPER LIMBS	X	X		
LOWER LIMBS	X	X		
<b>SPECIAL EXAMS / ENT</b>				
audiometry	X	X		
bronchoscopy	X	X		
Electronystagmography	X	X		
impedancemetry	X	X		
evoked Potentials	X	X		
Sinuscopy	X	X		
MRI	X	X		

**B. LABORATORY EXAMS**

	RH/TH	PH	DH	HC	HP
<b>1. BIOCHEMISTRY</b>					
<b>1.1 Glucose Metabolism</b>					
Albuminua	X	X	X	X	X
Glucosuria	X	X	X	X	X
Blood sugar	X	X	X	X	
Fructosamine	X	X	X		
Ketone bodies	X	X			
Fructosamine	X	X			
Hemoglobin A1c	X	X			
<b>1.2 Renal Function &amp; Nonprotein Nitrogen compounds</b>					
Creatinine	X	X	X	X	
Urea	X	X	X	X	
Uric acid	X	X	X		
Ammonia	X	X			
Amino acids	X	X			
Acetylcholinesterase-s	X	X			
<b>1.3 Liver Function/Pancreas &amp; Other enzymes</b>					
SGOT – ASAT*	X	X	X	X	

	RH/TH	PH	DH	HC	HP
SGPT –ALAT*	x	x	x	x	
Total Bilirubin*	x	x	x	x	
Direct Bilirubin *	x	x	x	x	
Blood sugar*	x	x	x	x	
Alcaline Phosphatase	x	x	x		
Amylase-Serum/urine	x	x	x		
Lipase	x	x	x		
Lactate dehydrogenase(LDH)	x	x	x		
Creatine phospho kinase(CPK)	x	x	x		
ACE (Angiotensine Converting Enzyme)	x	x			
Aldolase	x	x			
<b>1.4 Electrolytes/Blood Gas</b>					
Na + (sodium)	x	x	x		
K + (potassium)	x	x	x		
Cl -(chlorure)	x	x	x		
Arteriol blood gas analysis(ABG)	x	x	x		
Ca + (total or calcium ionised)	x	x			
Phosphorus	x	x			
Magnesium	x	x			
Lithium	x	x			
Bicarbonate	x	x			
Lactates	x	x			
Osmolality	x	x			
<b>1.5 Proteins</b>					
Total proteins (serum/urin/other body fluids)	x	x	x		
Albumin	x	x	x		
Globulines	x	x	x		
CRP (semiquantitative)	x	x	x		
CRP (Quantitative)	x	x			
Immunoglobulins (IgG,IgM,IgA, IgE)	x	x			
Serum Protein Electrophoresis	x	x			
Isoenzymes Electrophoresis	x	x			
Immunolectrophoresis/Immunofixation	x	x			
<b>1.6 Heart /Muscle</b>					
CK-MB	x	x			
Myoglobin	x	x			
Troponin T/I	x	x			
Ultrasensitive CRP	x				
BNP/Pro BNP	x				
<b>1.7 Lipids</b>					
Total Cholesterol	x	x	x		
Triglycerides	x	x	x		

	RH/TH	PH	DH	HC	HP
HDL-cholesterol	x	x			
LDL-cholesterol	x	x			
Lipoprotein a (Lp a)	x	x			
Apolipoproteins (ApoA-I & Apo B)	x	x			
<b>1.8 Anaemia Exploration</b>					
Iron	x	x			
TIBC	x	x			
Transferrin/Siderophilin	x	x			
Soluble transferrin receptors	x	x			
Ferritine	x	x			
Folic acid	x	x			
Homocystein	x	x			
Vit B12	x	x			
Haptoglobin	x	x			
<b>1.9 Hormones</b>					
TSH	x	x			
LH	x	x			
FSH	x	x			
Progesterone	x	x			
TatalOestrogen	x	x			
Oestriol	x	x			
Oestradiol	x	x			
Testosterone	x	x			
Calcitonine	x	x			
Prolactin	x	x			
Cortisol	x	x			
ACTH	x	x			
Aldosterone	x	x			
Androstenedione	x	x			
DHEA-S	x	x			
AFP [Alpha Foeto-Protein]	x				
PSA [Prostatic Specific Antigen] Free	x				
PSA [Prostatic Specific Antigen] Total	x				
CA125 :cancer antigen 125[for ovarian cancer]	x				
CA15-3 [for Breast cancer]	x				
CA 19,9 [for gastro-intestinal tract cancer]	x				
NeurospecificEnolase(NSE) [ for Bronchial Cancer]	x				
CEA	x				
ACE (Antigen Carcino Embryonic)	x				
B2 Microglobulin-S	x				
<b>1.10 Hormones</b>	x				

	RH/TH	PH	DH	HC	HP
Dosage of bêta-HCG	x				
T3 Free	x				
T3 Total	x				
T4 Free	x				
T4 Total	x				
TSH	x				
LH	x				
FSH	x				
Progesterone	x				
TatalOestrogen	x				
Oestriol	x				
Oestradiol	x				
Testosterone	x				
Calcitonine	x				
Prolactin	x				
Cortisol	x				
ACTH	x				
Aldosterone	x				
Androstenedione	x				
DHEA-S	x				
<b>1.11 Other Parameters</b>	x				
Anti-thyroid autoantibodies	x				
Anti-thyroid peroxidase (anti-TPO) antibodies	x				
Antithyroglobulin antibody	x				
C peptide	x				
Procalcitonine	x				
Fecal Occult Blood	x				
Fecal Fat Test	x				
<b>2. HEMATOLOGY</b>					
<b>2.1 Hemogram / Cell count</b>					
Hb/Ht	x	x	x	x	
CD4 & CD8 count (PIMA ??)	x	x	x	x	
WBC and diferentiel count	x	x	x		
FBC	x	x	x		
Reticulocyte count	x	x	x		
Peripheral blood film Analysis	x	x			
<b>2.2. Other Analysis</b>					
ESR	x	x	x	x	
Sickle cell test	x	x	x		
Direct Coombs test	x	x	x		
Indirect Coombs test	x	x	x		
G6PD	x				

	RH/TH	PH	DH	HC	HP
Pyruvate -Kinase	x				
Red cell osmotic fragility test	x				
The Kleihauer–Betke ("KB") test	x				
Cytogenetic investigations	x				
Immunophenotyping	x				
Hb Electrophoresis	x				
<b>2.3. Coagulation Tests</b>					
Bleeding Time	x	x	x		
Clotting Time	x	x	x		
Fibrinogen	x	x	x		
Thrombine Time (TT)	x	x	x		
Reptilase Time (RT)	x		x		
Coagulation factors	x	x			
Prothrombine time/INR	x	x			
activated partial thromboplastin time (aPTT)	x	x			
D-Dimers	x				
fibrin degradation products	x				
Antithrombine (AT)	x				
Antiphospholipid antibodies (APLAs): anticardiolipin antibodies (ACAs) and lupus anticoagulant	x				
Homocystein	x				
Factor II G20210A Mutation Analysis	x				
Protein C(PC)	x				
Protein S (PS)	x				
Activated protein C resistance test	x				
Factor V Leiden	x				
<b>2.4. Blood Transfusion</b>					
ABO/Rh grouping	x	x	x		
Cross matching	x	x	x		
<b>2.5. Bone Marrow Examination</b>	x				
Bone marrow aspirate	x	x			
Bone marrow biopsy	x	x			
<b>2.6. Coagulation Tests</b>					
Bleeding Time	x				
Clotting Time	x				
Coagulation factors	x				
Prothrombine time/INR	x				
activated partial thromboplastin time (aPTT)	x				
Fibrinogen	x				
Thrombine Time (TT)	x				
Reptilase Time (RT)	x				



	RH/TH	PH	DH	HC	HP
D-Dimers	x				
Fibrin degradation products	x				
Antithrombine (AT)	x				
Antiphospholipid antibodies (APLAs): anticardiolipin antibodies (ACAs) and lupus anticoagulant	x				
Homocystein	x				
Factor II G20210A Mutation Analysis	x				
Protein C(PC)	x				
Protein S (PS)	x				
Activated protein C resistance test	x				
Factor V Leiden	x				
<b>3. MYCO - BACTERIOLOGY</b>					
<b>3.1 Gram Stain</b>					
Special Stain (gram stain)	x	x	x	x	
Methylene Blue	x	x	x	x	
Fresh microscopy	x	x	x		
Urin sediment	x	x	x		
other swab/fluid	x	x	x		
<b>3.2 Mycobacteriology</b>					
Ziehl N / Kinyoun/	x	x	x	x	
Auramine stain	x	x	x		
Gene-Xpert	x	x	x		
culture + sensitivity	x	x			
Aerobic & anaerobic/Isolation	x	x			
<b>3.3 Culture and Sensitivity test</b>					
Hemoculture + AST	x	x	x		
Coproculture + AST	x	x	x		
culture of other fluid AST	x	x	x		
<b>3.4 MYCOLOGY</b>					
Identification of Yeats/Molds	x	x			
Indian Ink stain	x	x			
KOH	x	x			
Germ tube test	x	x			
Culture	x				
Molecular tests	x				
<b>4. PARASITOLOGY</b>					
<b>4.1 Stool Parasitology</b>	x	x	x	x	
Wet smear	x	x	x	x	
Concentration	x	x	x	x	
Direct Wet Mount	x	x	x		
Examination after concentration	x	x	x		

	<b>RH/TH</b>	<b>PH</b>	<b>DH</b>	<b>HC</b>	<b>HP</b>
<b>4.2 Blood Parasitology</b>					
Blood smear	x	x	x	x	
Indian Ink stain			x		
Potassium Hydroxide (KOH)			x		
<b>4.3 Other specimen</b>					
Special Staining Method	x	x			
Molecular tests	x				
<b>5. SEROLOGY</b>					
<b>5.1 Viral Serology</b>					
HIV 1 & 2 rapid testing	x	x	x	x	
HIV 1 & 2	x	x	x		
Syphilis (RPR, VDRL)	x	x	x	x	
Pregnancy tests	x	x	x	x	
Dried Blood Spots (DBS) collection, storage and transportation for Polymerase Chain Reaction (PCR) and further testing	x	x	x	x	
Rapid Testing for Hepatitis B and C	x	x	x	x	
Hepatitis B and C	x	x	x		
viral load	x	x	x		
Hepatitis A	x	x			
Hepatitis B	x	x			
Hepatitis C	x	x			
Hepatitis D	x	x			
Hepatitis E	x	x			
<b>5.2 Bacterial serology</b>					
Antistreptolysine O	x	x	x		
Salmonellosis	x	x	x		
Syphilis	x	x	x		
bacterial soluble Ag	x	x			
Antistaphylosine	x	x			
Antistreptodomase B	x	x			
Antistreptohyaluronidase	x	x			
Antistreptokinase	x	x			
Antistreptolysine O	x	x			
Brucellose	x	x			
Chlamydia trachomatis	x	x			
Listeriose	x	x			
Lyme disease	x	x			
Mycoplasma pneumoniae	x	x			
Rickettsioses	x	x			
<b>5.3 Parasitic serology</b>					
Toxoplasmosis	x	x	x		

	<b>RH/TH</b>	<b>PH</b>	<b>DH</b>	<b>HC</b>	<b>HP</b>
Malaria	x	x	x		
Amibiasis	x	x			
Ascariidiosis	x	x			
Bilharziosis	x	x			
Candidosis	x	x			
Distomatosis	x	x			
Echinococcosis	x	x			
Filariosis	x	x			
Hydatiosis	x	x			
Leishmaniosis	x	x			
<b>TESTS PER SERVICE</b>					
Dried Blood Spots (DBS) collection, storage and transportation of for Polymerase Chain Reaction (PCR) and further testing	x	x			
Hepatitis A	x	x			
Hepatitis B	x	x			
Hepatitis C	x	x			
Hepatitis D	x	x			
Hepatitis E	x	x			
Adenovirus	x				
Cytomegalovirus(CMV)	x				
Herpes virus	x				
Miseals virus	x				
influenza virus	x				
virus ourlien	x				
Respiratory syncytial virus	x				
viral load	x				
<b>5.4 Auto-Immune</b>	x				
Anti DNA antibody	x				
Ac.Ag soluble nuclear	x				
Ac. anti cardiolipin	x				
Ac. Anti gastric parietal cell	x				
Ac. anti centromere	x				
Ac. Anti cytoplasm of granulocytes	x				
Ac. Anti intrinsic factors	x				
Ac. anti glialidine	x				
Ac. anti histone	x				
Ac. Anti islet of Langerhans	x				
Ac. anti mitocondrie	x				
Ac. smooth Antimuscle	x				
Ac. antinuclear	x				
Complement	x				

	RH/TH	PH	DH	HC	HP
Circulating immune complexes	x				
rheumatoid factors	x				
<b>7. Toxicology</b>	x				
Monitoring of drugs	x				
Diagnosis of drug abuse	x				
Toxins	x				
Drug toxicity	x				
<b>8. Genetics</b>	x				
Cyto genetic	x				
Molecular biology	x				

**ANNEX 2.7: PSYCHOLOGIC/MENTAL HEALTH PROCEDURES**

Service Area	Services	Facilities			
		NRH/UTH	P&RH	DH	HC
<b>Clinical Psychology</b>	Social psychology: Personal and family relationship problems (e.g. family conflicts/violence/ intimate partner violence/child abuse and neglect, couple and marriage problems, etc.)	x	x	x	x
	Sexual dysfunctions and disorder	x	x	x	x
	Sexual orientation psychotherapies (for transgender, bisexual and homosexual)	x	x	x	x
	PTSD (post traumatic stress disorder, specificity of Rwanda in post genocide period)	x	x	x	x
	Anxiety and mood disorders	x	x	x	x
	Addictive behaviors, e.g. alcohol and drug addiction	x	x	x	x
	Mourning and grieving	x	x	x	x
	Palliative care in hospital and community for chronic disease	x	x	x	x
	Delinquency and adolescent deviant behaviors	x	x	x	x
	Children and adolescent psychological problems	x	x	x	x
	Adulthood and geriatric psychological disorders	x	x	x	x
	Professional and individual stress management	x	x	x	x
	Anxiety and depression	x	x	x	x
	Mental illness and psychiatrics diseases	x	x	x	x
	Eating and sleep disorders	x	x	x	x
Learning and developmental disabilities	x	x	x	x	

Service Area	Services	Facilities			
		NRH/UTH	P&RH	DH	HC
	Psychology of handicapped persons	X	X	X	X
	Psychological assessment testing, and psychometrics (e.g.: intelligence, personality)	X	X	X	X
	Forensic and criminal psychology	X	X	X	X
	Behavioral medicine	X	X	X	X
	Working together with community health workers to identify and to report health problem including cases with mental health problems	X	X	X	X
	Participating in reintegration of people with mental health disabilities	X	X	X	X
	Assisting families with infertility problems	X	X	X	X
	Trauma & victimology	X	X	X	X
	Clinician's self-care	X	X	X	X

**ANNEX 2.8 PALLIATIVE CARE PACKAGE**

<b>LEVELS</b>	<b>Package</b>	<b>Comments</b>
<b>National Referral Hospital</b>	Specialized services like : <ul style="list-style-type: none"> <li>– Pain management using all steps of WHO ladder;</li> <li>– Chemo-palliative if needed and available</li> </ul>	If it is Only for Palliative Care services it is preferred to stabilize the patient and transfer him back to the lower level
<b>Referral and Provincial Hospitals</b>	All services to improve quality of life of patients and families who are consulting or hospitalized for life threatening illnesses including: <ul style="list-style-type: none"> <li>– Chemo-palliative if needed and available</li> <li>– Pain management using all 3 steps of WHO ladder including strong opioids</li> <li>– Nursing care ( Wound care, Mouth care etc)</li> <li>– Physiotherapy</li> <li>– Ongoing support counseling</li> <li>– End of life care</li> </ul>	
<b>District Hospital</b>	All services to improve quality of life of patients and families who are consulting or hospitalized for life threatening illnesses including: <ul style="list-style-type: none"> <li>– Pain management using all 3 steps of WHO ladder including strong opioids</li> <li>– Nursing care ( Wound care, Mouth care etc)</li> <li>– Physiotherapy</li> <li>– Ongoing support counseling</li> <li>– End of life care</li> </ul>	
<b>Health Center</b>	All services to improve quality of life of patients and families who are consulting or hospitalized for life threatening illnesses including:  1. Physical suffering: - Assessment of Pain and make appropriate referral Pain and symptoms management with drug administration including weak opioids (2 steps of WHO ladder)  2. Psychological Suffering: Initial and ongoing counseling 3. Social ( ex:will writing) and spiritual support: Bereavement support if patient died at the facility	The act can be done in OPD (Consultation) or in admission
<b>Health post</b>	Basic Nursing care ( wound	-The health post has to organize the home visit

LEVELS	Package	Comments
	care, Mouth care drug administration) <ul style="list-style-type: none"> <li>- Psychological consultation at least once a week per patient and family if needed</li> <li>- Rehabilitation through physiotherapy</li> </ul>	and referral of Palliative Care patients in they catchment area( Transport and act done at home will need to be costed and paid by insurance)
<b>Community</b>	– Home based care services Including : <ul style="list-style-type: none"> <li>• Basic Nursing</li> <li>• Rehabilitation through physiotherapy(ex. Massage, prevention of Bedsores)</li> <li>• Drug administration</li> <li>• Occupational Therapy (OT)</li> <li>• End of life care</li> <li>• Bereavement support</li> </ul>	The act done at home by health providers( Nurse, social worker, psychologist, Spiritual workers) need to be considered in insurance

## 2.9 NUTRITION-DIETETIC PROCEDURES

Service Area	Services	Facilities				
		NRH/UTH	PH R	DH	HC	HP
<b>Nutrition/Dietetic</b>	Nutritional assessment/screening (anthropometric measurements, interpretation of nutritional index, growth monitoring)	x	x	x	x	x
	Nutritional counseling	x	x	x	x	x
	Nutritional, rehabilitation of Protein Energy Malnutrition	x	x	x	x	x
	Diet recall (Anamnesis) and diet assessment	x	x	x	x	
	Diet therapy: diabetes, hypertension, nephropathy, Protein Energy Malnutrition, Intensive Care Unit cases, before and after surgical procedure	x	x	x	x	
	Meal planning	x	x	x	x	

*Official Gazette n°06 of 08/02/2016*

**Bibonywe ngo bishyirwe ku mugereka w'Iteka rya Minisitiri n°20/39 ryo ku wa 29/01/2016 rigena urutonde rw'ibikorwa by'ubuvuzi bitangwa kuri buri rwego rw'ibigo by'ubuvuzi**

**Seen to be annexed to the Ministerial Order n°20/39 of 29/01/2016 determining medical services provided at each level of health facilities**

**Vu pour être annexé à l'Arrêté Ministériel n°20/39 du 29/01/2016 déterminant les prestations médicales dispensées à chaque niveau d'établissements de santé**

Kigali, ku wa 29/01/2016

Kigali, on 29/01/2016

Kigali, le 29/01/2016

(sé)  
**Dr. BINAGWAHO Agnes**  
Minisitiri w'Ubuzima

(sé)  
**Dr. BINAGWAHO Agnes**  
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(sé)  
**Dr. BINAGWAHO Agnes**  
Ministre de la Santé

**Bibonywe kandi bishyizweho Ikirango cya Repubulika:**

**Seen and sealed with the Seal of the Republic:**

**Vu et scellé du Sceau de la République :**

(sé)  
**BUSINGYE Johnston**  
Minisitiri w'Ubutabera/Intumwa Nkuru ya Leta

(sé)  
**BUSINGYE Johnston**  
Minister of Justice/Attorney General

(sé)  
**BUSINGYE Johnston**  
Ministre de la Justice/ Garde des Sceaux



**UMUGEREKA WA II W'ITEKA RYA  
MINISITIRI N°20/39 RYO KU WA  
29/01/2016 RIGENA URUTONDE  
RW'IBIKORWA BY'UBUVUZI BITANGWA  
KURI BURI RWEGO RW'IBIGO  
BY'UBUVUZI**

**ANNEX II TO MINISTERIAL ORDER N°20/39  
OF 29/01/2016 DETERMINING THE  
MEDICAL SERVICES PROVIDED AT EACH  
LEVEL OF HEALTH FACILITIES**

**ANNEXE II DE L'ARRETE MINISTERIEL  
N°20/39 DU 29/01/2016 DETERMINANT  
LES PRESTATIONS MEDICALES  
DISPENSEES A CHAQUE NIVEAU  
D'ETABLISSEMENTS DE SANTE**

**ANNEX II**

**PART A: ESSENTIAL MEDICINES FOR CHILDREN**

**1. ANAESTHETICS**

**1.1. General anaesthetics and oxygen**

Product name	Dosage Form & Strength	RH	PH	DH	HC	HP	Co
Halothane	Inhalation	X	X	X			
Isoflurane	Inhalation	X	X	X			
Sevoflurane	Inhalation	X	X	X			
Nitrous oxide	Inhalation	X	X	X			
Propofol	Injectable 20mg/ml	X	X	X			
Ketamine	Inj. 50 mg /ml	X	X	X			
Oxygen	inhalation (medical gas)	X	X	X	X		
Thiopental	powder for Inj. 1g	X	X	X			
Thiopental	powder for Inj. 0,5 g	X	X	X			

**1.2. Local anaesthetics**

Product name	Dosage form & Strength	RH	PH	DH	HC	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		
Lidocaine	Topical 2 to 4%	X	X	X			
Lidocaine	Spray 10% 50ml	X	X	X			
Lidocaine + Epinephrine	inj., 2 % + 1/200000	X	X	X			
Lidocaine + Epinephrine	Inj. 2 % + 1/ 80.000 (Dental cartridge)	X	X	X			
Ephedrine	Inj. 30 mg/ml	X	X	X			

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

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Atropine	inj. 1 mg /ml	X	X	X			
Midazolam	Oral Liquid 2mg/ml	X	X	X			
Midazolam	Inj. 1mg/ml	X	X	X			
Suxamethonium	Inj. 50mg/ml	X	X	X			
Neostigmine	Inj. 0.5mg/ml	X	X	X			
Vecuronium	Powder for Inj	X	X	X			
Cisatracurium	Inj. 20mg/10ml	X	X				
Morphine	Inj.: 10 mg/ml	X	X	X			

## 2. MEDICINES FOR PAIN AND PALLIATIVE CARE

### 2.1. Non-opioids and non-steroidal anti-inflammatory medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ibuprofen	Tab. 200 mg	X	X	X	X	X	
Paracetamol	syrup, 125 mg/5 ml	X	X	X	X	X	
Paracetamol	Suppo. 125 mg and 250mg	X	X	X	X	X	
Paracetamol	Inj. 1g	X	X	X			
Diclofenac	Inj. 75mg/3ml	X	X	X	X		
Diclofenac	Tab 50mg	X	X	X	X	X	
Ibuprofen <sup>6</sup>	Susp. 100mg/5ml	X	X	X	X	X	

### 2.2. Opioid analgesics

Product name	Dosage form & Strength	RH	PH	DH	HC	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		

<sup>6</sup> Not in children less than 3 months

### 2.3. Medicines for other symptoms common in palliative care

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amitriptyline	Tab. 10 mg, 25 mg	X	X	X			
Cyclizine	Inj. 50 mg/ml	X	X	X			
Cyclizine	Tab. 50 mg	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		
Diazepam	Oral liquid: 2 mg/5 ml	X	X	X	X		
Diazepam	Tab. 5 mg	X	X	X	X		
Diazepam	Tab. 10 mg.	X	X	X	X		
Fluoxetine <sup>7</sup>	Tab. 20 mg	X	X	X	X		
Docusate sodium	Capsule: 100 mg	X	X	X	X		
Docusate sodium	Oral liquid. 50 mg/5 ml	X	X	X	X		
Hyoscine butylhybromide	Inj. 400 µgr/ml or 600 µgr/ml	X	X	X	X		
Hyoscine butylhybromide	Transdermal patches: 1 mg.	X	X	X	X		
Lactulose	Oral liquid: 3.1-3.7 g/5 ml.	X	X	X	X		
Midazolam	Inj. 1 mg/ml; 5 mg/ml.	X	X	X	X		

### 2.4. Antiallergics and medicines used in anaphylaxis

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Dexamethasone	Inj. 4 mg/ml 1 ml	X	X	X	X	X	
Hydrocortisone	Inj. 100mg	X	X	X	X		
Epinephrine (adrenaline)	Inj. 1mg/ ml 1 ml	X	X	X			
Chlorpheniramine	Susp. 2mg/5ml	X	X	X	X	X	

<sup>7</sup>Not recommended for children under 8 years

### 3. ANTIDOTES AND OTHER SUBSTANCES USED IN POISONINGS

#### 3.1. Non-specific

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
charcoal, activated	Tab. 125 mg or Powder	X	X	X	X	X	

#### 3.2. Specific

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetyl cysteine (N-)	Inj. 200 mg/ml	X	X	X			
Atropine	Inj. 1 mg/ml	X	X	X			
Naloxone	Inj. 400 µg/1ml	X	X	X			
Deferoxamine	Powder for inj. 500 mg	X	X				
Sodium Bicarbonate	Inj. 8.4% .10 ml	X	X	X			
Flumazenil	Inj. 0,25mg/5ml	X	X	X			
Intralipid	Inj. 20% 100ml	X	X				
Pralidoxim	In. 20mg/ml	X	X				
Protamine	Inj. 5000 IU/5ml	X	X				

### 4. ANTICONVULSANTS/ANTIEPILEPTICS

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Valproic acid (and Salts)	Tab., 200 mg, 300mg	X	X	X			
Valproic acid (and Salts)	Syrup 200mg/5ml	X	X	X			
Carbamazepine	Tab. 200 mg,	X	X	X	X		
Carbamazepine	Syrup 100mg/5ml	X	X				
Diazepam	Inj. 5 mg/ml.2 ml	X	X	X	X	X	
Diazepam	Tab. 5 mg	X	X	X	X	X	
Phenobarbital	Tab. 30 mg	X	X	X	X		
Phenobarbital	Tab. 50 mg	X	X	X	X		
Phenobarbital	Inj. 100mg/ml 2ml	X	X	X	X		
Phenytoin	Tab. 100 mg	X	X	X			
Phenytoin	Inj. 250mg/5ml	X	X				
Levetiracetam	Susp. 100mg/ml	X	X				

## 5. ANTI-INFECTIVE MEDICINES

### 5.1. Anthelmintics

#### 5.1.1. Intestinal anthelmintics

Product name	Dosage form & Strength	RH	PH	DH	HC	PH	Co
Mebendazole	Tab. 100 mg or 500mg	X	X	X	X	X	
Mebendazole	Susp. 100mg/5ml,	X	X	X	X	X	
Albendazole	Susp. 200mg/5ml	X	X	X	X	X	
Albendazole	Tab. 200mg; 400mg	X	X	X	X	X	
Niclosamide	Tab. 500 mg	X	X	X	X		

#### 5.1.2. Antifilarials

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ivermectine	Tab. 6 mg	X	X	X	X		
Diethylcarbamazine	Tab. 100 mg	X	X	X	X		

#### 5.1.3. Antischistosomes and other antitrematode medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Praziquantel	Tab. 150 mg, 600 mg	X	X	X	X		

## 1. ANTIBACTERIALS

### 1.1. Beta Lactam medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amoxicillin	Caps.250 mg,	X	X	X	X		
Amoxicillin	Tab. dispersible125mg						X
Amoxicillin	Susp. 125 mg /5 ml,	X	X	X	X		
Amoxicillin/Clavulanic acid	Susp. 125mg + 31,25 mg	X	X	X			
Amoxicillin/Clavulanic acid	Tab. 500mg + 125mg	X	X	X			
Ampicillin	Powder for inj. 500 mg, 1g	X	X	X	X		
Ampicillin	Powder for inj.1g	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			
Cephalexin	Susp. 125 mg/5 ml	X	X	X			
Cephalexin	Tab. 250 mg	X	X	X			
Cefadroxyl	susp. 125 or 250 mg/5ml	X	X	X			
Cloxacilline	Caps. 250 mg	X	X	X	X	X	
Cloxacilline	Susp. 125mg	X	X	X	X		
Cloxacilline	Powder for inj.500 mg,	X	X	X			
Phenoxymethylpenicilline	Tab. 250 mg	X	X	X	X	X	
Cefotaxime	Powder for inj.1g,	X	X	X			
Ceftriaxone	Powder for inj.1g,	X	X	X			

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ceftazidime	Powder for inj. 1g,	X	X				
Imipenem + cilastatin	Powder for Inj. 250/250 mg	X	X				

### 1.1. Other antibacterial

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Azithromycin	Caps. 250 mg ;	X	X	X			
Chloramphenicol	Oil susp.for inj., 0,5g/2 ml	X	X	X			
Ciprofloxacin	Tab. 250 mg	X	X	X	X	X	
Ciprofloxacin	Inj. 2mg/ml	X	X				
Doxycycline	Tab. 100 mg	X	X	X	X	X	
Erythromycin	Tab. 250 mg	X	X	X	X	X	
Erythromycin	Oral susp.125 mg/5ml	X	X	X	X	X	
Clarithromycin	Tab. 250mg	X	X	X			
Gentamicin	Inj. 40 mg /ml 2ml	X	X	X			
Metronidazole	Tab. 250mg	X	X	X	X		
Metronidazole	Inj. 500 mg /100ml	X	X	X			
Metronidazole	Oral susp. 200mg/5ml	X	X	X	X		
Nitrofurantoin	Tab. 100 mg	X	X	X	X		
Sulfamethoxazole/Trimethoprim	Tab., 100 mg + 20 mg	X	X	X	X	X	
Sulfamethoxazole/trimethoprim	Tab. 400 mg + 80 mg	X	X	X	X	X	
Sulfamethoxazole/trimethoprim	Oral susp 200mg + 40mg/5 ml	X	X	X	X	X	
Sulfamethoxazole/trimethoprim	Inj. 80 mg + 16 mg/ml,	X	X	X			
Clindamycin	Tab. 150mg	X	X				
Clindamycin	Inj. 150mg/ml	X	X				
Vancomycin	Powder for inj.250 mg	X	X				

## 2. ANTI TUBERCULOSIS MEDICINES

Product name	Dosage Form &Strength	RH	PH	DH	HC	HP	Co
Ethambutol	Tab. 100 mg	X	X	X	X		
Isoniazide	Tab. 100mg	X	X	X	X		
Pyrazinamide	Tab. 400 mg	X	X	X	X		
Rifampicine	Tab.,150 mg, 300 mg	X	X	X	X		
Rifampicine + isoniazide	Tab. 150mg + 75mg	X	X	X	X		
Rifampicine + isoniazide	Tab. 60mg + 60mg	X	X	X	X		
Rifampicine + isoniazide	Tab. 60mg + 30mg	X	X	X	X		
Rifampicine + Isoniazide + Pyrazinamide + Ethambutol	Tab.150mg + 75mg + 400mg + 275mg	X	X	X	X		
Rifampicine + Isoniazide + Ethambutol	Tab. 150mg + 75mg + 275mg	X	X	X	X		
Rifampicine + Isoniazide + Pyrazinamide	Tab. 60mg + 30mg + 150mg	X	X	X	X		
Kanamycine	Powder for inj. 1g	X	X	X	X		
Prothionamide	Tab. 250 mg	X	X	X	X		
Cycloserine	Tab. 250 mg	X	X	X	X		
Levofloxacin	Tab. 200 mg	X	X	X	X		

Product name	Dosage Form & Strength	RH	PH	DH	HC	HP	Co
Capreomycin	Powder for inj. 1g	X	X	X	X		
Para amino salicylic acid	Granules 4g	X	X	X	X		
Moxifloxacin	Tab. 400mg	X	X	X	X		
Clarithromycin	Tab. 500mg	X	X	X	X		
Clofazimine	Tab. 400mg	X	X	X	X		

### 3. ANTIFUNGAL MEDICINES

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Fluconazole	Susp. 50 mg/ml	X	X	X			
Griseofulvin	Tab., 125 mg	X	X	X	X	X	
Nystatin	Susp. 100.000 UI	X	X	X	X	X	
Nystatin	Tab. 500.000 UI	X	X	X	X	X	
Amphotericin B	Powder for inj. 50 mg	X	X	X			

### 4. ANTIVIRALS

#### 4.1. Antiherpetics

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Aciclovir	Tab. 200 mg	X	X	X	X		
Aciclovir	Inj. powder. 250 mg	X	X				
Aciclovir	Cream 5%	X	X	X	X		

#### 4.2. ANTIRETROVIRALS

##### 4.2.1. Nucleoside/Nucleotide Reverse transcriptase inhibitors

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Lamivudine (3TC)	Oral solution, 10mg/ml,	X	X	X	X		
Zidovudine (AZT)	Oral solution, 10mg/ml,	X	X	X	X		
Abacavir (ABC)	Oral solution. 20mg/5ml	X	X	X	X		

##### 4.2.2. Non-nucleotide Reverse Transcriptase inhibitors

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Efavirenz (EFV)	Tab. 50mg	X	X	X	X		
Efavirenz (EFV)	Tab. 200mg	X	X	X	X		
Nevirapine (NVP)	Tab. 200 mg	X	X	X	X		
Nevirapine (NVP)	Oral suspension 10mg/ml,	X	X	X	X		
Etravirine (ETV)	Tab. 25mg	X	X	X	X		

##### 4.2.3. Protease Inhibitors

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ritonavir + Lopinavir	Oral solution 80/20mg/ml	X	X	X	X		
Ritonavir + Liponavir	Tab. 100/25mg	X	X	X	X		
Atazanavir	Tab, 200mg	X	X	X	X		



Atazanavir	Tab, 150mg	X	X	X	X		
Atazanavir	Tab, 100mg	X	X	X	X		
Darunavir	Tab. 150mg	X	X	X	X		
Darunavir	Tab.75mg	X	X	X	X		

#### 4.2.4. Fixed-Dose Combinations

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Abacavir/Lamivudine	Tab, 60/30mg	X	X	X	X		
Zidovudine/Lamivudine	Tab, 60/30mg	X	X	X	X		
Zidovudine/Lamivudine/Nevirapine	Tab, 60/30/50mg	X	X	X	X		

## 5. ANTIPROTOZOAL MEDICINES

### 5.1. Antiamoebic and Antigiardiasis Medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Metronidazole	Tab. 250 mg;	X	X	X	X	X	
Metronidazole	Inj.500 mg	X	X	X			
Metronidazole	Oral susp. 200 mg /5 ml	X	X	X	X	X	

### 5.2. Antimalarial medicines

#### 5.2.1. Curative treatment medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Artemether + Lumefantrine	Disp. 20 mg + 120mg	X	X	X	X	X	X
Artesunate	Inj. 30mg	X	X	X	X		
Artesunate	Inj. 60mg	X	X	X	X		
Artesunate	Inj. 120mg	X	X	X	X		
Quinine	Tab. 300 mg	X	X	X	X		
Quinine	Inj. 300 mg/ml	X	X	X	X		

#### 5.2.2. Curative treatment medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Long Lasting Insecticide Treated Nets		X	X	X	X	X	X
Insecticides		X	X	X	X		
Larvicides		X	X	X	X		
Mosquito Repellents		X	X	X	X		X

## 6. ANTINEOPLASTICS AND IMMUNOSUPPRESSIVES

### 6.1. Cytotoxic and adjuvant medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Folinic acid	Tab. 15 mg	X	X				
Asparaginase	Powder for inj. 10000IU	X	X				
Bleomycin	Inj. 15 mg	X	X				
Cyclophosphamide	Tab. 25 mg	X	X				
Cyclophosphamide	Inj. 500 mg	X	X				
Doxorubicin	Powder for inj. 10mg, 50 mg	X	X				
Methotrexate	Tab. 2,5 mg	X	X				
Methotrexate	Inj. 50 mg	X	X				
Vincristine	Powder for Inj. 1mg	X	X				
Mercaptopurine	Tab. 50mg	X	X				
Hydroxycarbamide	Capsule 500mg	X	X				
Daunorubicin	Inj. 50 mg	X	X				
Dactinomycine	Inj. 50 microgram	X	X				
Tamoxifene citrate	Tab. 20mg	X	X				
Anastrozole	Tab. 1mg	X	X				
Letrozole	Tab. 2.5mg	X	X				
Cisplatin	Inj. 1mg/ml	X	X				
Imatinib	Tab. 100mg	X	X				
Merfalan	Tab. 2mg	X	X				
Thalidomide	Tab. 200mg	X	X				
Trastuzumab	susp Powder 150mg IV	X	X				
Zoledronate	Inj. 5mg/100ml	X	X				
Oxaliplatin	Inj. 5mg/ml	X	X				
Carboplatin	Inj. 10mg/ml	X	X				
Paclitaxel	Powder for Inj. 5mg/5ml	X	X				
Ifosfomide	Powder 100mg,	X	X				
Fluorouracil (5-FU)	Inj. 50mg/ml	X	X				
Fluorouracil (5-FU)	Cream 0.5%, 1% and 5%	X	X				
Irinotecan	Inj. 20mg/ml, 15ml	X	X				
Docetaxel	Inj. 20mg/ml, 1ml	X	X				
Nitriximab	Susp. 100mg/ml	X	X				

### 6.2. Immunosuppressants

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Hydrocortizone	Inj. 100mg/ml	X	X	X			
Methylprednisolone	Inj. 40mg/ml, 80mg/ml	X	X				
Prednisolone	Tab. 5mg	X	X	X			
Dexamethazone	Inj. 4mg/ml	X	X	X			
Interferons $\alpha$ -2a	Inj. 10000000IU/1,2ml	X	X				
Interferons $\alpha$ -2b	Inj. 10000000IU/1,2ml	X	X				

## 7. MEIDICINES AFFECTING THE BLOOD

### 7.1. Antianaemia medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Folic acid	Tab. 5 mg	X	X	X	X	X	
Hydroxocobalamin	Inj. 1mg/ml	X	X	X	X		
Ferrous salt	Tab. 60 mg	X	X	X	X	X	
Ferrous salt	Syrup 25mg/5ml	X	X	X	X	X	
Ferrous salt + folic acid	Syrup 60mg + 400 µg	X	X	X	X	X	
Phytomenadione	Inj. 1mg/ml, 10mg/ml	X	X	X	X	X	

### 7.2. Medicines affecting coagulation

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Heparin sodium	Inj. 5000 IU/ml	X	X	X			
Protamine sulfate	Inj. 10 mg/ml	X	X	X			
Enoxaparin	Inj. 10, 000IU	X	X	X			
Warfarin	Tab 1mg	X	X	X			
Warfarin	Tab 5mg	X	X	X			
Warfarin	Tab 0.5mg	X	X	X			
Warfarin	Tab 2mg	X	X	X			
Warfarin	Tab 10mg	X	X	X			
Hydroxocarbamide	Inj. 1mg/ml	X	X	X			
Phytomenadione	Inj. 1mg/ml, 10 mg/ml	X	X	X	X		
Phytomenadione	Tab. 10mg	X	X	X	X		
Etamsylate	Tab. 250mg	X	X	X			
Etamsylate	Inj. 250mg/2ml	X	X	X			

## 8. CARDIOVASCULAR MEDICINES

### 8.1. Medicines used in heart failure

Product name	Dosage form & Strength	RH	PH	DH	HC	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. 10mg/ml	X	X	X			
Carvedilol	Tab. 6.25mg; 12.5mg	X	X	X			
Dopamine	Inj. 40mg/ml	X	X	X			
Hydrochlorothiazide	Tab. 25mg	X	X	X			

### 8.2. Antihypertensive medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Nifedipine	Tab. 10mg	X	X	X			
Amlodipine	Tab. 5 mg	X	X	X			
Amlodipine	Tab. 10mg	X	X	X			
Furosemide	Inj. 10mg/ml	X	X	X			

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

### 8.3. Anti arrhythmic Medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Adenosine	Inj. 3mg/ml	X	X				
Amiodarone	Inj150mg/3ml	X	X				
Amiodarone	Tab. 100mg, 200mg	X	X				
Isoprenaline	Inj.0.2mg/ml	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 20mg	X	X	X			
Captopril	Tab. 25mg	X	X	X			

### 8.4. Diuretics

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Furosemide	Inj. 10mg/ml	X	X	X			
Furosemide	Tab. 40mg	X	X	X			
Furosemide	Oral susp. 20mg/5ml	X	X	X	X		
Hydrochlorothiazide	Tab. scored, 25 mg	X	X	X			
Mannitol	Inj.10%, 20%	X	X	X			
Spironolactone	Tab. 25mg	X	X	X			

## 9. ANTIMIGRAINE MEDICINES

### 9.1. Medicines for treatment of acute attack

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Paracetamol	Tab. 500 mg	X	X	X	X		
Ibuprofen	Tab. 200 mg	X	X	X	X		

### 9.2. Prophylaxis

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Propranolol	Tab.20 mg	X	X	X			
Cinnarizine	Tab. 25mg	X	X	X			

## 10. DERMATOLOGICAL MEDICINES

### 10.1. Anti-fungal medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Miconazole	Cream or ointment 2%	X	X	X	X		

Terbinafine	Cream or ointment 1%	X	X	X	X		
Ketoconazole	Cream 2%	X	X	X	X		
Silver nitrate	Pencil	X	X	X	X		

### 10.2. Anti-infective medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Potassium permanganate	Aqueous solution 1:10 000.	X	X	X	X		
Silver sulfadiazine	Cream 1%	X	X	X	X		

### 10.3. Anti-inflammatory and antipruritic medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Betamethasone	Cream or ointment 0.1%	X	X	X	X		
Calamine	Lotion	X	X	X	X		
Hydrocortisone	Cream or ointment 1%	X	X	X	X		
Diclofenac	Gel 3%	X	X	X	X	X	

**10.4. Medicines affecting skin differentiation and proliferation**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Benzoyl peroxide	Cream or lotion. 5%.	X	X	X	X		
Podophyllum resin	Solution. 5%.	X	X	X	X		
Salicylic acid	Solution.10% to 25%.	X	X	X	X		
urea	Solution. 5%.	X	X	X	X		
Coal tar	Sol. 5%.	X	X	X	X		

**10.5. SCABICIDE AND PEDICULICIDES**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Benzyl benzoate <sup>8</sup>	Lotion: 25%.	X	X	X	X		
Permethrin	Cream: 5% or Lotion: 1%.	X	X	X	X		
Metronidazole	Vaginal tab. 500mg	X	X	X	X		

**10.6. Antimicrobials**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Neomycin + Bacitracin	Cream 5 mg + 500 IU/g	X	X	X	X		
Gentamycin	Ointment 0.1%	X	X	X	X		
Tetracycline	Ointment 3%	X	X	X	X		
Fusidic acid	Cream 2% and ointment	X	X	X			

**10.7. Antivirals**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acyclovir	Cream or ointment 5%	X	X	X	X		

**10.8. Keratolytics**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Vaseline	Ointment	X	X	X	X		
Lanoline	Ointment	X	X	X	X		
Lanoline + Vaseline	Ointment 50% + 50%	X	X	X	X		
Zinc Oxyde	Paste	X	X	X	X		

**10.9. Miscellaneous**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Meladinine	Sol. 0.1% or 0.75%	X	X	X			
5-Fluorouracyl	Cream 5%	X	X	X			
Aluminium chloride	Sol. 5% and 20%	X	X	X			

<sup>8</sup>Not recommended for children less than 2 years

## 11. DIAGNOSTIC AGENTS

### 11.1. Ophthalmic Diagnostic Agents

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Fluorescein	Eye drops: 1%	X	X	X			
Tropicamide	Eye drops: 0.5%.	X	X	X			
Triptan blue	Liquid 0.4%	X	X	X			
Intra-occula Visco elastic	Inj. 40mg/ml	X	X	X			

### 11.2. Radio contrast media

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Barium sulfate.	Aqueous suspension	X	X	X			
Amidotiozoate	Amp 20ml, 420mg of iodine/ml	X	X				

## 12. GASTROINTESTINAL MEDICINES

### 12.1. Antiulcer medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ranitidine	Inj. 25 mg/mL	X	X	X			
Ranitidine	Tab., 150 mg	X	X	X			
Omeprazole	Caps. 20mg	X	X	X			
Cimetidine	Inj. 200mg	X	X	X			
Aluminum/Magnesium Hydroxide	Tab. 500mg	X	X	X	X	X	

### 12.2. Antiemetic medicines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Dexamethasone	Inj. 4 mg/ml	X	X	X	X	X	
Dexamethasone	Oral Sol 2mg/5ml,	X	X	X	X	X	
Dexamethasone	Tab. 4mg	X	X	X	X	X	
Metoclopramide	Syrup, 5 mg /5 ml	X	X	X	X	X	
Metoclopramide	Inj. 5 mg/ml	X	X	X	X		
Metoclopramide	Tab. 10mg	X	X	X	X	X	
Domperidone	Susp. 1mg/ml	X	X	X			

### 12.3. Antireflux

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Domperidone	Suspension 1mg/ml	X	X	X			
Alginate sodium	Suspension 250mg/5ml	X	X				

### 12.4. Laxatives

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Lactulose	Oral liquid: 3.1-3.7 g/5 ml.	X	X	X	X		
Paraffin oil	Bottle 250ml	X	X	X	X		

Glycerine	Suppo. infant and child	X	X	X	X		
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## 12.5. Medicines Used In Diarrhoea

### 12.5.1. Oral Rehydration

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Oral rehydration salts	Oral sol. 20.5g/l	X	X	X	X	X	X
Resomal	Oral sol.	X	X	X	X		

### 12.5.2. Medicines for diarrhea in children

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Zinc Sulfate	Tab. 10 mg, 20mg	X	X	X	X	X	X

## 13. HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES

### 13.1. Adrenal hormones and synthetic substitutes

Product name	Dosage form & Strength	RH	PH	DH	HC	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. 100µg	X	X				
hydrocortisone	Tab. 5 mg; 10 mg; 20 mg.	X	X	X			

### 13.2. Medicines used for diabetes

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Insulin Lente	Inj.100 IU/ml	X	X	X	X		
Insulin with intermediate action	inj. 100 IU./ml	X	X	X	X		
Insulin rapid action	inj.100 IU/ml	X	X	X	X		

### 13.3. Thyroid hormones

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Levothyroxine	Tab 25 mcg, 50mcg, 100mcg	X	X	X			



## 14. IMMUNOLOGICALS

### 14.1. Diagnostic agents

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Tuberculin purified (PPT)	Inj.	X	X	X			
Rapid Diagnostic Test (malaria)	Kit	X	X	X	X	X	X
Rapid Diagnostic Test (HIV)	Kit	X	X	X	X		

### 14.2. Sera and immunoglobulins

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Diphtheria antitoxin	Sol., 10000IU, 20 000 IU	X	X	X	X		
Antirabies immunoglobulin	Sol. inj. 150 IU/ml	X	X	X	X		
Antitetanus immunoglobulin	Sol. injectable, 500 IU	X	X	X	X		
Human Immunoglobulin anti-D	Sol. Inj. 250 µgr	X	X	X	X		
Antivenom immunoglobulin	Inj.	X	X	X	X		

### 14.3. Vaccines administered at Health Centre level and in private facilities

Currently Available Vaccines		
Vaccine	Total doses	Age and interval
BCG	1	Birth
OPV	4	Birth, 6, 10, 14 weeks
DTP or DTP-HepB-Hib	3	6, 10, 14 weeks
Measles <sup>9</sup> , Rubella	2	9 months, 15 months
TT (pregnant women)	2	During pregnancy
Pneumococcal Conjugate Vaccine	3	6, 10, 14 weeks
HPV10	3	HPV for each cohort 10-14 years old girls
Rotavirus vaccine <sup>11</sup>	3	6, 10, 14 weeks

### 14.4. General vaccines

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Measles vaccine	10 doses	X	X	X	X		
BCG vaccine	20 doses	X	X	X	X		
Poliomyelitis vaccine	Oral sol. 20dose	X	X	X	X		
Diphtheria vaccine DTP-Hep B + Hib	2 doses	X	X	X	X		
Tetanus vaccine	10 doses	X	X	X	X		

<sup>9</sup>Second dose of measles vaccine will be introduced starting in 2014

<sup>10</sup> Human papilloma virus vaccine (HPV) will use a school based vaccination campaign approach

<sup>11</sup> Rotavirus 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

**14.5. Vaccines reserved to certain groups and materials**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Meningococcal meningitis	10 et 50 doses	X	X	X	X		
Rabies vaccine	1 dose	X	X	X	X		
OPV	20 doses	X	X	X	X		
Pneumococcal vaccine	1 dose	X	X	X	X		
Tetanus vaccine	10 doses	X	X	X	X		
BCG AD syringes	0.05 ml	X	X	X	X		
AD Syringes	0.5 ml	X	X	X	X		
Reconstitution Syringes	2ml	X	X	X	X		
Reconstitution Syringes	5ml	X	X	X	X		
Reconstitution Syringes	10ml	X	X	X	X		
Safety boxes		X	X	X	X		

**15. MUSCLE RELAXANTS AND CHOLINESTERASE INHIBITORS**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Neostigmine	Tab. 15 mg	X	X	X			
Neostigmine	Inj. 2,5 mg/1 ml, 500 µg/1 ml,	X	X	X			
Suxamethonium	Inj. 50 mg/ml	X	X	X			
Pyridostigmine	Inj.1 mg/1ml	X	X	X			
Vecuronium	Inj.10 mg	X	X	X			
Cisatracurium	Inj. 2mg/ml	X	X				

**16. OPHTHALMOLOGICAL PREPARATIONS**

**16.1. Anti-infective agents**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Aciclovir	Ointment 3%	X	X	X			
Azithromycin	Eye drops 1.5%	X	X	X			
Gentamicin	Eye drops 0.3%	X	X	X			
Ofloxacin	Eye drops 0.3%.	X	X	X			
Tetracycline	Eye ointment: 1%	X	X	X	X	X	

**16.2. Anti-Inflammatory agents**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Prednisolone	Eye drops 0.5	X	X	X			

**16.3. Local anaesthetics**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Tetracaine	Eye drops 0.5%	X	X	X			

**17. Peritoneal Dialysis Solution**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
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Parenteral solution	intraperitoneal dialysis solution	X	X				
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## 18. MEDICINES FOR MENTAL AND BEHAVIOURAL DISORDERS

### 18.1. Medicines used in psychotic disorders

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ziclopenthixol	Inj. 50 mg	X	X				
Chlorpromazine	Tab. 25mg or 100 mg	X	X	X	X		
Chlorpromazine	Oral liquid 25 mg	X	X	X	X		
Chlorpromazine	Inj. 25 mg/ml	X	X	X	X		
Levomepromazine	Inj. 25mg/ml	X	X	X			
Levomepromazine	Tab. 25mg, 100mg	X	X	X			
Haloperidol	Tab. 2 mg or 5 mg;	X	X	X	X		
Haloperidol	Inj. 5 mg/1ml	X	X	X	X		
Haloperidol decanoate	Inj. 50mg/ml	X	X	X			
Fluopentixol	Tab. 1mg or 0.5mg	X	X	X			
Fluopentixol decanoate	Inj. 20mg/ml	X	X	X			
Olanzapine	Tab. 5mg	X	X				
Risperidone	Tab. 1mg	X	X				
Pipamperon	Oral drop 40mg/ml	X	X				
Pipamperon	Tab. 40mg	X	X				
Pimozide	Tab. 1mg	X	X				
Silpiride	Tab. 200mg	X	X				

### 18.2. Medicines used in mood disorders

#### 18.2.1. Medicines used in depressive disorders

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amitriptyline	Tab. 25 mg	X	X	X	X		
Fluoxetine	Tabs 20 mg	X	X	X			
Citalopram	Tab. 20mg	X	X				
Clomipramine	Tab. 25mg	X	X	X			
Clomipramine	Inj. 25mg/ml	X	X				
Trazodone	Tab. 100mg	X	X				
Imipramine	Tab. 10mg, 25mg	X	X	X			

#### 18.2.2. Medicines used in bipolar disorders

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Valproic acid (and salts)	Tab. 200 mg; 300mg	X	X	X			
Carbamazepine	Tab. (scored): 100 mg; 200 mg.	X	X	X	X		

**18.2.3. Medicines for anxiety disorders and Hypnotics**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Diazepam	Tab. (scored): 5 mg.	X	X	X	X		
Alprazolam	Tab. 0.5mg	X	X				
Clorazepate	Cap.5mg	X	X	X			
Zolpidem	Tab.10mg	X	X				

**18.2.4. Medicines used for obsessive compulsive disorders**

Product name	Dosage form & Strength	RH	DH	HC	Co
Clomipramine	Capsule: 10 mg; 25 mg	X	X		
Clomipramine	Inj. 25 mg	X	X		

**18.2.5. Medicines used in vascular disturbances**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Cinnarizine	Tab. 25mg	X	X	X			
Piracetam	Tab. 800mg	X	X				

**19. SOLUTIONS CORRECTING WATER, ELECTROLYTE AND ACID-BASE DISTURBANCES**

**19.1. Oral**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Oral rehydration salts	Sachet, powder. 27,9g/l	X	X	X	X	X	X
Potassium chloride	Powder for solution	X	X				
Resomal	Powder for solution	X	X	X	X		X

**19.2. Parenterals**

Product name	Dosage Form & Strength	RH	PH	DH	HC	HP	Co
Calcium Gluconate	Inj.10%. 10ml	X	X	X			
Glucose with sodium chloride	Inj. 11,2 % 20 ml	X	X				
Potassium chloride	Inj. 7.5 %	X	X	X	X		
Sodium chloride	Inj. 0.9 %	X	X	X	X	X	
Glucose,	Inj. 50 %	X	X	X	X	X	
Glucose	Inj. 5%,	X	X	X	X	X	
Sodium lactate, compound	Inj. 0.9 % NaCl + 5% glucose	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			

**19.3. Miscellaneous**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Water for injection	Inj. 2 ml 5 ml or 10 ml	X	X	X	X		

## 20. VITAMINS AND MINERALS

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ascorbic acid	Tab 50 mg;	X	X	X	X	X	
Nicotinamide	Tab., 50 mg	X	X	X	X		
Cholecalciferol	Oral liquid: 400 IU/ml. Tab.400 IU; 1000 IU	X	X	X			
Pyridoxine	Tab. 25 mg and 50 mg	X	X	X	X	X	
Pyridoxine	Tab. 50 mg	X	X	X	X	X	
Retinol	Caps. 200 000 IU; 100 000 IU	X	X	X	X	X	
Thiamine	Tab. 50 mg	X	X	X	X	X	
Riboflavin	Tab. 5mg	X	X	X			
Iodine	Caps. 200mg	X	X	X	X		
Iodine	Oily sol. 240/ml or Inj. 308mg/0.57 ml	X	X	X	X		
Multivitamin	Tab	X	X	X	X	X	
Multivitamin	Syrup	X	X	X	X	X	
Vitamine. B complex	Tab	X	X	X	X	X	

## 21. EAR, NOSE AND THROAT MEDICINES IN CHILDREN

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetic acid Topical:	2%, in alcohol.	X	X	X	X		
Ciprofloxacin	Ear drop 0.3%	X	X	X	X		
Xylometazoline	Nasal drops: 0.05%.	X	X	X	X	X	
Chlorpheniramine	Syrup 2ml/5ml	X	X	X	X	X	
Chlorpheniramine	Tabs. 2mg, 4mg	X	X	X	X	X	
Sodium chloride	Nasal drop 0.9% 10ml	X	X	X	X	X	

## 22. MEDICINES ACTING ON THE RESPIRATORY TRACT

Product name	Dosage form & Strength	RH	PH	DH		HC	Co
Beclometasone	Aerosol sol., 50 µg /dose	X	X	X	X		
Beclometasone	Aerosol sol., 250 µg /dose	X	X	X	X		
Epinephrine adrenaline	Inj. 1 mg/ml	X	X	X			
Salbutamol	Inhalation Sol./aerosol 100µg	X	X	X	X		
Salbutamol	Syrup 2 mg/5 ml	X	X	X	X		
Salbutamol	Inj.50 µg /ml	X	X	X			
Salbutamol	Sol. nebulizer, 5 mg /ml	X	X	X			
Aminophylline	Inj. 25 mg/ml 10 ml	X	X	X	X	X	
Ipratropium bromide	20 micrograms/metered dose	X	X				
Hydrocortisone	Inj.100mg	X	X	X	X		
Budesonide	Nasal spray 100 µgr per dose.	X	X	X		X	

### 23. SPECIFIC MEDICINES FOR NEONATAL CARE

#### 23.1. Medicines administered to the neonate

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Caffeine Citrate	Syrup 20 mg/ml	X	X	X			
Chlorhexidine	Sol. or gel : 7.1%	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				
Surfactant	25 mg/ml or 80 mg/ml.	X	X				

### 24. MEDICINES FOR JOINT DISEASES

#### 24.1. Disease modifying agents used in rheumatoid disorders

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Hydroxychloroquine	Tab. 200 mg	X	X	X			
Methotrexate	Tab. 2.5 mg	X	X	X			

#### 24.2. Juvenile joint diseases

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetylsalicylic acid	Suppository: 50 mg; 150 mg.	X	X	X	X		
Acetylsalicylic acid	Tab.: 75mg, 100 mg or 500 mg.	X	X	X	X		

**PART B: ESSENTIAL MEDICINES FOR ADULTS**

**1. ANAESTHETICS**

**1.1 GENERAL ANAESTHETICS AND OXYGEN**

**1.1.1. Inhalational medicines**

Product name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Isofluran	Inhalation ,	X	X				
Halothan	Inhalation,	X	X	X			
Oxygen	Inhalation (medical gas )	X	X	X			
Nitrous oxide	Inhalation	X	X				

**1.1.2. Injectable medicines**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ketamine	Inj. 50 mg /1ml	X	X	X			
Propofol	Inj. 20 mg/ml.	X	X				
Thiopental	Powder for inj. 500mg	X	X	X			

**1.2 Local anaesthetics**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Bupivacaine	Inj. 0,25 %, 0.5%	X	X	X			
Bupivacaine	Inj. for spinal anaesthesia: 0, 5 % to be mixed with 7.5% glucose	X	X	X			
Lidocaine	Inj., 1% , 2%	X	X	X	X	X	
Lidocaine	Inj. for spinal anaesthesia: 5% to be mixed with 7.5% glucose	X	X	X	X		
Lidocaine	Topical forms: 2% to 4%	X	X	X			
Lidocaine + epinephrine	Inj. 1%; 2% + Epinephrine 1:200 000	X	X	X			
Lidocaine + Epinephrine	Dental cartridge 2% + Epinephrine 1:80 000	X	X	X			
Ephedrine	Inj.30 mg ml.	X	X	X			
Lidocaine	Spray: 10%	X	X				
Lidocaine	Gel	X	X				

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

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Atropine	Inj. 0.5mg; 1 mg	X	X	X			
Morphine	Inj. 10 mg/1ml	X	X	X			
Midazolam	Inj. 1 mg/ml.	X	X	X			
Neostigmine	Inj. 500 µg/ml	X	X	X			
Suxamethonium	Inj.50 mg/ml	X	X	X			
Suxamethonium	Powder for inj. 50mg/ml,	X	X	X			
Vecuronium	Powder for inj.10 mg	X	X	X			
Cisatracurium	Inj. 2mg/ml	X	X				

**2. ANALGESICS, ANTIPYRETICS, NON-STEROIDAL ANTI-INFLAMMATORY MEDICINES, (NSAIDS), ANTIGOUTS MEDICINES AND RHEUMATIC DISEASE MEDICINES THERAPY**

**2.1 Non-opioids, Antipyretics and non-steroidal Anti-Inflammatory medicines**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetylsalicylic acid	Tab. 500 mg	X	X	X	X	X	
Ibuprofen	Tab. 200 mg ;400mg	X	X	X	X	X	
Paracetamol	Tab. 500 mg.	X	X	X	X	X	
Paracetamol	Suppository. 250 mg.	X	X	X	X	X	
Paracetamol	Inj.10mg/ml	X	X	X			
Diclofenac	Inj.75 mg/3ml	X	X	X	X		
Diclofenac	Tab. 50mg	X	X	X	X	X	
Diclofenac	Suppository :100mg	X	X	X	X		
Indomethacin	Caps: 25mg	X	X	X	X	X	
Indomethacin	Suppository 100mg	X	X	X	X		

**2.2 Opioid analgesics**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Codeine	Tab. 30 mg	X	X	X			
Morphine	Inj.10 mg/ml	X	X	X			
Morphine	Tab. 10 mg	X	X	X			
Fentanyl	Inj.0,1 mg/ml	X	X	X			
Pentazocine	Inj. 30mg/ml	X	X				
Péthidine	Inj. 50mg/ml	X	X	X			
Tramadol hydrochloride	Tab. 50 mg	X	X	X			
Tramadol hydrochloride	Inj. 50 mg/ml	X	X	X			

**2.3. Antigouts medicines**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Colchicine	Tab, 300 mg	X	X	X			
Allopurinol	Tab, 100 mg	X	X	X			

**3. ANTI-MIGRAINES MEDICINES**

**3.1 For treatment of acute attack**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetylsalicylic acid	Tab. 300 -500 mg	X	X	X	X	X	
Ergotamine	Tab. 1 mg.	X	X	X	X		
Paracetamol	Tab. 300-500 mg	X	X	X	X	X	
Sumatriptan succinate	Tab. 50mg	X	X				

**3.2 For prophylaxis**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Propranolol	Tab. 20 mg, 40 mg	X	X	X			
Cinnarizine	Tab. 25mg,75 mg	X	X	X			



**4. ANTI-ALLERGIES AND MEDICINES USED IN ANAPHYLAXIS**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Chlorpheniramine	Tab. 4 mg	X	X	X	X	X	
Chlorpheniramine	Sol. 2 mg/5ml	X	X	X	X	X	
Dexamethasone	Inj. 4 mg/ml	X	X	X	X		
Dexamethasone	Tab. 0.5mg; 4mg	X	X	X	X		
Epinephrine (adrenaline)	Inj. 1 mg/1ml	X	X	X			
Hydrocortisone	Powder for inj.100mg	X	X	X	X	X	
Prednisolone	Tab. 5 mg,	X	X	X	X		
Promethazine	Inj. 25mg/ml	X	X	X			
Promethazine	Tab. 25 mg	X	X	X	X	X	

**5. ANTIDOTES AND OTHER SUBSTANCES USED IN POISONINGS**

**5.1 Non-specific**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Charcoal, activated	Tab : 250 mg	X	X	X	X	X	

**5.2 Specific**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetyl cysteine	Inj. 200 mg/ml	X	X	X			
Atropine	Inj.1 mg/ml	X	X	X			
Calcium gluconate	Inj.100 mg/ml	X	X	X	X		
Naloxone	Inj. 400/ml	X	X	X			
Flumazenil	Inj. 0.1mg/ml	X	X	X			
Sodium bicarbonate	Inj. 8.4%	X	X	X			
Intralipid	Inj. 20%	X	X	X			
Protamine	Inj. 5000UI/5ml	X	X	X			
Vitamine K (Phytomedione)	Inj 10mg/ml	X	X	X	X	X	
Pralidoxime	Inj 20mg/ml	X	X	X			

**6. ANTICONVULSANTS-ANTIEPILEPTICS**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Valproic acid and (Salts)	Tab. 200 mg; 300mg, 500 mg	X	X	X			
Carbamazepine	Tab. 200mg; 400mg	X	X	X			
Diazepam	Inj. 5 mg/ml	X	X	X	X	X	
Diazepam	Tab. 5 mg	X	X	X	X	X	
Phenobarbital	Tab. 100 mg	X	X	X	X		
Phenobarbital	Inj. 100mg/ml	X	X	X	X		
Phenytoin	Tab. 100 mg	X	X	X	X		
Phenytoin	Inj. 250mg/5ml	X	X	X			
Magnesium Sulfate <sup>12</sup>	Inj. 500 mg/ml	X	X	X	X		
Clonazepam	Tab. 0,5 mg, 2mg	X	X				
Levetiracetam	Tab. 250mg; 500mg	X	X				

<sup>12</sup>Allowed to be used only in SONU health centers

**7. ANTI-PARKINSON MEDICINES**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Biperiden	Tab: 2 mg	X	X	X	X		
Biperiden	Inj. 5 mg/ml	X	X	X			
Levodopa + Carbidopa	Tab: 100 mg/10 mg; 250 mg/25 mg	X	X				

**8. MEDICINES FOR MENTAL AND BEHAVIOURAL DISORDERS**

**8.1 Medicines used in psychotic disorders**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Zuclophenthixol acetate	Inj. 50 mg/ml, 200mg/ml	X	X				
Zuclophenthixol acetate	Tab. 10mg, 25mg	X	X				
Chlorpromazine	Tab. 25mg; 100 mg	X	X	X	X		
Chlorpromazine	Inj. 25 mg/ml	X	X	X	X		
Levomepromazine	Inj. 25mg/ml	X	X	X			
Levomepromazine	Tab. 25mg, 100mg	X	X	X			
Haloperidol	Tab.5 mg	X	X	X	X		
Haloperidol	Inj. 5 mg/1ml; 50mg/ml	X	X	X	X		
Haloperidol	Inj. 50mg/ml	X	X	X			
Flupentixol	Tab. 0.5mg; 1mg	X	X	X			
Flupentixol	Inj. 20mg/ml, 100mg/ml	X	X				
Olanzapine	Tab. 5mg	X	X				
Risperidone	Tab. 2mg	X	X				
Risperidone	Inj. 25mg/ml	X	X				
Pipamperon	Oral solution. 40mg/ml	X	X				
Pipamperon	Tab. 40mg	X	X				

**8.2 Medicines Used In Mood Disorders**

**8.2.1 Medicines used in depressive disorders**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amitriptyline	Tab. 25 mg	X	X	X	X		
Fluoxetine	Tab. 20 mg	X	X	X			
Citalopram	Tab. 20mg	X	X				
Clomipramine	Tab. 25mg	X	X	X			
Clomipramine	Inj. 25mg/ml	X	X	X			
Trazodone	Tab.100mg	X					
Imipramine	Tab. 10mg, 25mg	X	X	X			

**8.2.2 Medicines used in bipolar disorders**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Valproic acid (and salts)	Tab 200 mg; 300mg ;500 mg	X	X	X			
Carbamazepine	Tab 100 mg; 200 mg.	X	X	X	X		
Carbonate de lithium <sup>13</sup>	Tab ou Tab, 250mg, 400mg	X	X				

<sup>13</sup>Need a close monitoring due to its toxic effects;

### 8.3 Medicines for anxiety disorders and Hypnotics

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Diazepam	Tab. 5 mg.	X	X	X	X	X	
Alprazolam <sup>14</sup>	Tab. 0.5mg	X	X				
Clorazepate dipotassium	Caps. 5mg/10mg	X	X	X			
Zolpidem	Tab. 10mg	X	X				

### 8.4 Medicines used for obsessive compulsive disorders

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Clomipramine	Caps. 10 mg; 25 mg	X	X	X			
Clomipramine	Inj. 25 mg	X	X	X			

### 8.5 Medicines used in vascular disturbances

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Cinnarizine	Tab:25mg or 75mg	X	X	X			
Piracetam	Tab:800mg	X	X				

## 9. CARDIOVASCULAR MEDICINES

### 9.1 Antianginal medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Atenolol	Tab. 50 mg, 100 mg	X	X	X			
Isosorbide dinitrate	Sublingual tab. 5 mg; 20mg	X	X	X			
Carvedilol	Tab. 6.25mg; 12.5mg, 25mg	X	X	X			
Verapamil	Tab. 40 mg	X	X				

### 9.2 Antiarrhythmic medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amiodarone	Inj. 50 mg/ml	X	X				
Amiodarone	Tab. 200 mg	X	X				
Atenolol	Tab. 50 mg, 100mg	X	X	X			
Digoxin	Tab. 250 µg ;	X	X	X			
Digoxin	Oral liquid: 50 /ml.	X	X	X			
Digoxin	Inj. 250µg /ml	X	X	X			
Epinephrine (adrenaline)	Inj. 100 /ml	X	X	X			
Propranolol	Tab. 40mg	X	X	X			

### 9.3 Antihypertensive medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Spironolactone	Tab. 25mg	X	X	X	X		
Captopril	Tab. 12.5mg; 25 mg	X	X	X	X		
Lisinopril	Tab. 5mg	X	X	X			
Atenolol	Tab. 25mg, 50 mg	X	X	X			

<sup>14</sup> Alternative of Diazepam in case of suspicion of dependence

Carvedilol	Tab. 6.25mg; 12.5mg	X	X	X			
Hydrochlorothiazide	Tab. 25 mg.	X	X	X	X		
Methyldopa <sup>15</sup>	Tab. 250 mg.	X	X	X	X		
Hydralazine	Inj. 20mg/ml	X	X	X			
Nifedipine	Tab. 10 mg; 20mg	X	X	X			
Furosemide	Inj.10mg/2ml	X	X	X	X		
Furosemide	Tab. 40mg	X	X	X	X		
Clonidine	Inj.100µg/ml	X	X	X			
Amlodipine	Tab. 5mg; 10mg	X	X	X	X		
Losartan	Tab. 50mg	X	X	X			
Losartan/Hydrochlorothiazide	Tab. 50mg/12.5mg	X	X				

#### 9.4 Medicines used in heart failure

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Hydrochlorothiazide	Tab. 25 mg	X	X	X			
Digoxin	Tab.250µg	X	X	X			
Digoxin	Inj. 250µg/ml	X	X	X			
Dopamine	Inj. 40mg/ml	X	X	X			
Spironolactone	Tab. 25mg	X	X	X			
Atenolol	Tab. 25 mg;50mg	X	X	X			
Carvedilol	Tab. 6.25mg; 12.5mg	X	X	X			
Propranolol	Tab. 10mg or 40mg	x	X	X			
Furosemide	Inj.10mg/ml	X	X	X	X		
Furosemide	Tab. 20mg; 40mg	X	X	X	X		
Captopril	Tab.12.5mg; 25 mg	X	X	X	X		
Lisinopril	Tab. 5mg	X	X				

#### 9.5 Antithrombotic medicines and Lipid-lowering agents

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetylsalicylic acid	Tab. 100 mg.	X	X	X			
Heparin sodium	Inj. 5000 IU/ml	X	X	X			
Enoxaparin	Inj.40mg/0.4ml	x	X	X			
Warfarin	Tab. 1mg; 5mg	X	X	X			
Clopidogrel	Tab. 75 mg; 300 mg	X	X	X			
Simvastatin	Tab. 5 mg; 10 mg; 20 mg; 40 mg.	X	X	X			

### 10. DIURETICS

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Furosemide	Inj.10 mg/ml	X	X	X	X		
Furosemide	Tab. 20mg; 40mg	X	X	X	X		
Hydrochlorothiazide	Tab. 25 mg.	X	X	X	X		
Mannitol	Inj. solution. 10%, 20%.	X	X	X			

<sup>15</sup>Methyldopa is listed for use in the management of pregnancy-induced hypertension if necessary. Its use in the treatment of essential hypertension is not recommended in view of the availability of more evidence of efficacy and safety of other medicines.

Spirolactone	Tab. 25 mg.	X	X	X			
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## 11. MUSCLE RELAXANTS (PERIPHERALLY-ACTING) AND CHOLINESTERASE INHIBITORS

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Neostigmine	Tab. 15 mg	X	X				
Neostigmine	Inj. 500 µg /ml; 2.5µg /ml; 2,5µg/ml	X	X	X			
Suxamethonium	Inj. 50 mg/ml	X	X	X			
Suxamethonium	Powder for inj. 50mg/ml	X	X	X			
Vecuronium bromide	Powder for inj. 10 mg	X	X	X			
Cisatracurium	Inj. 2mg/ml	X	X				

## 12. ANTI-INFECTIVE MEDICINES

### 12.1 Anthelmintics

#### 12.1.1 Intestinal anthelmintics

Product Name	Dosage form & Strength	RH	HP	DH	HC	HP	Co
Mebendazole	Tab.100 mg; 500 mg	X	X	X	X	X	
Niclosamide	Tab. 500 mg	X	X	X	X		
Albendazole	Tab. 400mg	X	X	X	X		

#### 12.1.2 Antifilarials

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ivermectin	Tab. 6 mg	X	X	X	X		
Diethylcarbamazine	Tab. 100 mg	X	X	X	X		

#### 12.1.3 Antischistosomal medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Praziquantel	Tab 600 mg	X	X	X	X		

### 12.2 Antibacterials

#### 12.2.1 Beta-lactam medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amoxicillin	Caps: 250 mg, 500mg	X	X	X	X	X	
Amoxicillin Clavulanic acid	Tab. 500mg/125mg	X	X	X			
Amoxicillin + Clavulanic acid	Powder for inj. 1.2g.	X	X	X			
Ampicillin	Powder for inj. 500mg, 1g	X	X	X	X		
Benzathine benzyl penicillin	Powder for inj. 2,4 MIU,	X	X	X	X		
Benzyl penicillin	Powder for inj. 5 MIU,	X	X	X	X		
Procaine benzyl penicillin	Powder for inj. 4 MIU,	X	X	X	X		
Cloxacillin	Caps. 250 mg	X	X	X	X		
Cloxacillin	Powder for inj. 500 mg,	X	X	X			
Phenoxymethyl penicillin	Tab. 250 mg	X	X	X	X		
Cefotaxime	Powder for inj.1g	X	X	X			

Ceftriaxone	Powder for inj. 250mg, 1g	X	X	X			
Ceftazidime	Powder for inj. 1g	X	X	X			
Cefazolin <sup>16</sup>	Powder for inj. , 1g	X	X	X			
Cefixime	Capsules, 400 mg	X	X				
Imipenem + Cilastatin <sup>17</sup>	Powder for inj. 250mg + 500mg	X	X				

### 12.2.2 Other Antibacterials

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Azithromycine	Tab. 500 mg;	X	X	X			
Chloramphenicol	Oily susp. Inj. 0,5g/2 ml	X	X	X			
Ciprofloxacin	Tab. 250mg, 500 mg	X	X	X	X		
Doxycycline	Tab. 100 mg	X	X	X	X	X	
Erythromycin	Tab. 250 mg	X	X	X	X		
Gentamycin	Inj. 40 mg /ml	X	X	X			
Metronidazole	Tab. 250mg	X	X	X	X	X	
Metronidazole	Inj. 500 mg/100ml	X	X	X	X		
Nitrofurantoin	Tab. 100 mg	X	X	X	X		
Spectinomycin	Powder for inj. 2g	X	X	X	X		
Sulfamethoxazole/Trimethoprim	Tab. 400 mg/80 mg	X	X	X	X		
Sulfamethoxazole/Trimethoprim	Tab. 800 mg/160 mg	X	X	X	X		
Sulfamethoxazole/Trimethoprim	Inj. 80 mg/16 mg	X	X	X			
Ciprofloxacin	Inj. 200mg	X	X				
Clindamycin	Tab.150mg	X	X				
Clindamycin	Inj. 600mg	X	X				
Vancomycin	Powder for inj. 500 mg	X	X				
Clarithromycine	Tab. 250 mg	X	X				

### 12.2.3 Antileprosy medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Clofazimine	Tab. 50 mg, 100 mg	X	X	X	X		
Dapsone	Tab. 50 mg, 100 mg	X	X	X	X		
Rifampicin	Tab. 150 mg, 300 mg	X	X	X	X		

### 12.2.4 Antituberculosis medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ethambutol	Tab. 100, 400 mg	X	X	X	X		
Isoniazid	Tab. 100mg, 300 mg	X	X	X	X		
Pyrazinamide	Tab. 400 mg	X	X	X	X		
Rifampicin	Tab. 150 mg, 300 mg	X	X	X	X		
Rifabutin <sup>18</sup>	Tab. 150mg	X	X	X	X		
Rifampicin/Isoniazid	Tab. 150mg/75mg	X	X	X	X		
Rifampicin/Isoniazid	Tab. 60mg/60mg	X	X	X	X		
Rifampicin/Isoniazid	Tab. 60mg/30mg	X	X	X	X		

<sup>16</sup>For surgical prophylaxis only X

<sup>17</sup>Only for the treatment of life-threatening infection due to suspected or proven multi drug resistant infection

<sup>18</sup>For use only in patients with HIV receiving protease inhibitors. X

Rifampicin/Isoniazid/ Pyrazinamide/Ethambutol	Tab. 150mg/75mg/400mg 275mg	X	X	X	X		
Rifampicin/Isoniazid/Ethambutol	Tab. 150mg/75mg/275mg	X	X	X	X		
Rifampicin/Isoniazid/Pyrazinamide	Tab. 60mg/30mg/150	X	X	X	X		
Streptomycin	Powder for inj. 1 g	X	X	X	X		
Kanamycin	Inj. powder 1g	X	X	X	X		
Ofloxacin	Tab. 200 mg	X	X	X			
Prothionamide	Tab. 250 mg	X	X	X	X		
Cycloserine	Tab. 250 mg	X	X	X	X		
p-Amino salicylic acid (PASER)	Tab. 500 mg	X	X	X	X		
p-Amino salicylic acid (PASER)	Granules 4g in sachet	X	X	X	X		
Levofloxacin	Tab. 200 mg	X	X	X	X		
Capreomycin	Powder for inj. 1g	X	X	X	X		
Moxifloxacin	Tab. 400mg	X	X	X	X		
Clarithromycin	Tab. 500mg	X	X	X	X		
Clofazimine	Tab. 400mg	X	X	X	X		

### 12.3 Antifungal medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Fluconazole	Tab. 200 mg	X	X	X	X		
Nystatin	Tab. 500 000UI	X	X	X	X		
Amphotericin B	Powder for inj. 50 mg	X	X	X			
Miconazole Nitrate	Oral gel 40 g	X	X	X	X		

### 12.4 Antiviral Medicines

#### 12.4.1 Antitherpes Medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acyclovir	Tab. 200 mg 400mg, 800mg	X	X	X	X		
Acyclovir	Powder for inj. 250 mg	X	X				
Acyclovir	Ointment	X	X	X			

#### 12.4.2 Antiretrovirals

##### 12.4.2.1. Reverse-transcriptase inhibitors

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Tenofovir	Tab. 300mg	X	X	X	X		

##### 12.4.2.2 Non-nucleoside reverse transcriptase inhibitors

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Efavirenz	Tab. 600mg	X	X	X	X		
Nevirapine	Tab. 200 mg	X	X	X	X		
Etravirine	Tab.100mg	X	X	X	X		

##### 12.4.2.3 Protease inhibitors

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Atazanavir-Ritonavir	Tab. 300/100mg	X	X	X	X		
Darunavir	Tab. 300mg	X	X	X	X		

Lopinavir/Ritonavir	Tab. 200/50mg	X	X	X	X		
Ritonavir	Tab.100mg	X	X	X	X		

#### 12.4.2.4 Integrase inhibitors

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Raltegravir	Tab. 400mg	X	X	X	X		

#### 12.4.2.5 Fixed-Dose combinations

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Abacavir/Lamivudine	Tab. 600/300mg	X	X	X	X		
Zidovudine/Lamivudine/Nevirapine	Tab. 300/150/200mg	X	X	X	X		
Zidovudine/Lamivudine	Tab. 300/150mg	X	X	X	X		
Tenofovir/Lamivudine/Efavirenz	Tab. 300/300/600mg	X	X	X	X		
Tenofovir/Lamivudine	Tab. 300/300mg	X	X	X	X		

#### 12.4.2.6 Booster

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ritonavir	Tab.100mg	X	X	X	X		

### 12.4.3. Anti-Hepatitis Medicines

#### 12.4.3.1. Medicines for Hepatitis B

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Tenofovir	Tab. 300mg	X	X	X	X		
Entecavir	Oral liquid 0.05mg/ml	X	X	X	X		
Entecavir	Tab. 0.5mg; 1mg	X	X	X	X		
Lamivudine	Tab.300mg	X	X	X	X		

#### 12.4.3.2. Medicines for Hepatitis C

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Adefovir	Tab.10mg	X	X				
Pegynterferon alfa-2a	Inj. 180 µg	X	X				
Simeprevir	Tab. 150mg	X	X				
Sofosbuvir	Tab. 400mg	X	X				
Ledipasvir	Tab. 90mg	X	X				
Ribavirin	Tab. 400mg, 600mg	X	X				
Daclatasvir	Tab. 60 mg	X	X				
Ledipasvir/Sofosbuvir	Tab. 90 mg/400 mg.	X	X				



## 12.5 Antiprotozoal Medicines

### 12.5.1 Antiamoebic and anti giardiasis medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Metronidazole	Tab. 250-500 mg;	X	X	X	X	X	
Metronidazole	Inj.500 mg/ml	X	X	X			
Tinidazole	Tab. 500mg	X	X	X	X		

### 12.5.2 Antimalarial medicines

#### 12.5.2.1 For curative treatment

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Artemether /Lumefantrine	Tab. 20 mg/120mg	X	X	X	X	X	X
Artesunate	Inj. 30mg; 60mg, 120mg	X	X	X	X		
Quinine	Tab. 300 mg	X	X	X	X		
Quinine	Inj. 300 mg/ml	X	X	X	X		
Primaquin	Tab. 7.5 mg; 15 mg	X	X				

#### 12.5.3.2 For malaria prevention

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
ITN has long-acting Polyester		X	X	X	X	X	X
Insecticides					X		
Larvicides					X		

### 12.5.4. Antipneumocystosis and Antitoxoplasmosis Medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Sulphamethoxazole/Trimetoprim	Inj 80mg/16mg/ml	X	X	X			

## 13. DERMATOLOGICAL MEDICINES (TOPICAL)

### 13. 1. Anti-infective medicines

#### 13.1.1. Antiseptics and disinfectants

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Povidone iodine	Solution, 10%	X	X	X	X	X	
Silver sulfadiazine	Cream, 1%,	X	X	X	X	X	
Ethanol	Denatured Solution. 70 %	X	X	X	X	X	
Eosin	Powder	X	X	X	X	X	
Potassium permanganate	Tab. 50mg, 100 mg	X	X	X	X	X	
Chlorhexidine	Solution, 5%	X	X	X	X	X	
Hydrogen peroxide	Sol 3%	X	X	X	X	X	
Chloramine	Tab. 500 mg	X	X	X	X	X	
Tri-enzyme liquid detergent	200 doses/25ml	X	X	X	X	X	
Chlorhexidine + Cetrimide	1,5% + 15%	X	X	X	X	X	

### 13.1.2 Antibacterials and Antiparasitics

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Bacitracin + Neomycin	Ointment, 5 mg/500 IU/g	X	X	X	X		
Tetracycline	Ointment	X	X	X	X	X	
Fucidic acid	Cream/ointment 2%,	X	X	X			
Benzyl benzoate	Lotion 25%	X	X	X	X		
Permethrin	Cream 5%;lotion 1%	X	X	X			
Metronidazole	Vaginal tab. 500mg	X	X	X	X		

### 13.1.3. Antifungal medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ketoconazole	Cream 2%	X	X	X	X	X	
Miconazole Nitrate	Cream 2%	X	X	X	X	X	
Clotrimazole	Cream 1%; 10%.	X	X	X	X	X	
Clotrimazole	Vaginal tab. 100 mg; 500 mg.	X	X	X	X		
Nystatin	Vaginal Tab. 100000 IU	X	X	X	X	X	

## 13.2 Anti-inflammatory and antipruritic medicines

### 13.2.1 Steroid Anti-inflammatory medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Betamethasone Valerate	Cream/ Ointment 0.1%	X	X	X	X		
Betamethasone Valerate	Lotion 0.1%	X	X	X	X		
Hydrocortisone	Cream/ointment 1%	X	X	X	X		
Calamine	Lotion	X	X	X	X		
Miconazole/Hydrocortisone	Cream	X	X	X	X		
Bethamethasone/Salicylic acid	Ointment	X	X	X	X		
Hydrocortisone/Oxytetracycline	Ointment	X	X	X	X		
Betamethasone /Clotrimazole/Gentamycin	Ointment	X	X	X	X		

### 13.2.2 Analgesics: Non-steroidal anti inflammatory

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Diclofenac	Ointment 50 g	X	X	X	X	X	

## 13.3 Antivirals

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acyclovir	Cream/ointment 5%	X	X	X	X		

## 13.4 Medicines against acnea and rosacea

### 13.4.1 Medicines against acnea

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Benzoyl Peroxide	Gel/ Lotion 5 %, 10 %	X	X	X	X		

### 13.4.2 Medicines against rosacea

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Metronidazole	Cream 0.75%,	X	X	X	X		

**13.5. Medicines affecting skin differentiation and proliferation**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Salicylic acid	Lotion, 5 %	X	X	X	X		
Urea	Ointment 5% - 30%	X	X	X	X		
Salicylic acid	Ointment 5% -30%	X	X	X	X		
Podophyllin	Solution, 10-25 %	X	X	X	X		
Meladinine	Solution 0.1% 0.75%	X	X	X	X		
Fluorouracil	Cream 5%	X	X	X	X		
Ditranol	Ointment 0.05 % ; 1%	X	X	X	X		

**13.6. Protective or cicatrizing preparations**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Vaseline	Ointment	X	X	X	X		
Zinc Oxide	Paste	X	X	X	X		

#### 14. DERMATOLOGICAL MEDICINES (SYSTEMIC)

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Meladinine	Tab. 10 mg	X	X	X	X		
Griseofulvin	Tab. 250mg, 500mg	X	X	X	X		

#### 15. PREPARATIONS USED IN OPHTHALMOLOGY

##### 15.1 Anti-infective Agents

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acyclovir	ophthalmic ointment 3 %	X	X	X	X		
Chloramphenicol	Eye drops 0,5%	X	X	X	X		
Gentamicin	Eye drops, 0,3 %, 1,5%	X	X	X	X		
Idoxuridine	Eye drops, 0,1 % ;	X	X	X			
Fluoromethalone	Eye drops 0.1%	X	X	X			
Idoxuridine	Ointment ophthalmic, 0,2 %	X	X	X			
Silver nitrate	Sol, ophthalmic, 1 %	X	X	X	X		
Tetracycline	Ointment ophthalmic, 1 %	X	X	X	X	X	
Norfloxacin	Eye drops 0.3%	X	X	X	X		
Gentamycin	Ointment	X	X	X			

##### 15.2 Anti-inflammatory agents

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Dexamethasone	Eye drops 1%	X	X	X			
Hydrocortisone	Eye drops 1%	X	X	X			
Prednisolone	Eye Drops 1%	X	X	X			

##### 15.3. Anti-inflammatory and anti-infective combinations

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Dexamethasone/Gentamycin	Eye drops 0.1% + 0.5%	X	X	X			
Dexamethasone/Neomycin	Eye drops	X	X	X			

##### 15.4 Local Anesthetics

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Tetracaine	Eye drops, 0,5 %	X	X	X			
Proparacaine	Eye Drops 0.5%	X	X	X			
Oxybuprocaine	Eye drops 0.4%	X	X	X			

##### 15.5 Miotics and antiglaucoma medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetazolamide	Tab. 250 mg	X	X	X			
Pilocarpine	Eye drops. 2 %; 4 %	X	X	X			
Timolol solution	Eye drops. 0,25 %; 0,5 %	X	X	X			
Latanoprost	Eye drops 50µg/g	X	X				

### 15.6 Mydriatics

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Atropine solution	Eye drops, 0,1 %, 0,5 %, 1 %	X	X	X			
Epinephrine/ Adrenaline	Eye drops, 2 %	X	X	X			
Tropicamide	Eye drops 0.5%, 1%	X	X	X			
Cyclopentolate	Eye Drops 1%	X	X	X			

### 15.7 Antiallergic agents

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Sodium cromoglicate	Eye drops, 0,1 %, 0,5 %, 1 %	X	X	X	X		
Methylcellulose	Eye drops, 1%	X	X	X			

## 16. MEDICINES USED IN GASTROENTEROLOGY

### 16.1 Antacid and other antiulcer medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Aluminum hydroxid	Tab. 500 mg	X	X	X	X	X	
Aluminum hydroxide	Oral liquid, 320 mg/5 ml	X	X	X	X	X	
Magnesium hydroxide	Oral liquid, 550 mg/10 ml	X	X	X	X	X	
Ranitidine	Tab. 150mg, 300 mg	X	X	X			
Cimetidine	Inj. 200g/2ml	X	X	X			
Cimetidine	Tab. 200mg	X	X	X	X	X	
Omeprazole	Caps 20 mg	X	X	X			

### 16.2 Antiemetic medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Metoclopramide	Inj., 5 mg	X	X	X	X		
Promethazine	Tab. 10 mg	X	X	X	X	X	
Promethazine	Inj. 25 mg 2 ml	X	X	X	X		
Metoclopramide	Tab. 10mg	X	X	X	X	X	

### 16.3 Antihemorrhoidal medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Anti-haemorrhoid: local anesthetic /astringent/anti-inflammatory	Suppository	X	X	X	X		
Anti-haemorrhoid: local anesthetic /astringent/anti-inflammatory	Ointment	X	X	X	X		
Daflon: diosmine 450mg/Hesperidin 50mg	Tab 450mg + 50mg	X	X	X	X		

### 16.4 Antispasmodic medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Atropine	Inj. 1mg/ml	X	X	X			
Hyocine butylbromide	Tab. 10 mg	X	X	X	X	X	
Hyocine butylbromide	Inj. 20 mg/1ml	X	X	X	X		
Papaverine	Inj. 20mg/ml	X	X	X			

Papaverine	Tab. 40mg	X	X	X	X		
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### 16.5 Laxative medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Bisacodyl	Tab. 5mg	X	X	X	X	X	
Lactulose	Syrup 3,33g/5ml	X	X	X	X	X	

### 16.6 Medicines used in Diarrhoea

#### 16.6.1 Oral Rehydration

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Oral rehydration salts	2.5g/l sachets for dilution.	X	X	X	X	X	X

#### 16.6.2 Medicines for diarrhoea

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Codeine	Tab 30 mg	X	X	X	X		
Zinc Sulphate	Tab 10 mg, 20mg	X	X	X	X	X	X
Loperamide	Caps 2mg	X	X	X	X		

### 17. MEDICINES ACTING ON THE RESPIRATORY TRACT

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Beclomethasone	Inhalation solution, 50 µg; 250 µg	X	X	X	X		
Epinephrine	Inj. 1 mg/ml	X	X	X			
Salbutamol	Inhalation solution 100µg/dose ;	X	X	X	X		
Salbutamol	Inj.50 µg /ml;	X	X	X			
Salbutamol	Nebuliser solution, 5 mg/ml	X	X	X			
Aminophylline	Tab 100mg	X	X	X	X	X	
Aminophylline	Inj. 25 mg/ml amp. 10 ml.	X	X	X	X		
Ipratropium	20 µg /metered dose	X	X				

### 18. OXYTOCICS AND ANTIOXYTOCICS

#### 18.1 Oxytocics

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Oxytocin	Inj. 10 IU/ml	X	X	X	X		
Ergometrine	Inj. 200µg/ml	X	X	X	X		
Misoprostol	Tab. 200 µg/ml	X	X	X			X

#### 18.2 Anti-oxytocics (Tocolytics)

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Salbutamol	Tab. 4 mg ;	X	X	X	X		
Salbutamol	Inj, 50µg /ml	X	X	X			
Nifedipine	Tab. 10mg	X	X	X			

#### 18.3. Prostaglandins

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Misoprostol	Tab. 200µg	X	X	X	X		X

**19. ANTINEOPLASTIC, IMMUNOSUPPRESSIVE AND MEDICINES USED IN PALLIATIVE CARE**

**19.1 Anti-Cancer agents**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Folinic acid	Tab. 15 mg	X	X				
Bleomycin	Inj. 15 mg	X	X				
Cyclophosphamide	Tab. 50 mg ;	X	X				
Cyclophosphamide	Inj. 500 mg	X	X				
Doxorubicine	Powder for inj. 10mg; 50 mg	X	X				
Methotrexate	Tab. 2,5 mg	X	X				
Methotrexate	Inj. 50 mg	X	X				
Vincristine	Inj. 1mg/ml	X	X				
Mercaptopurine	Tab. 50mg	X	X				
Hydroxycarbamide	Caps. 200mg; 1g	X	X				
Tamoxifen Citrate	Tab. 20mg	X	X				
Anastrozole	Tab. 1mg	X	X				
Letrozole	Tab. 2.5mg	X	X				
Cisplatin	Inj. 1mg/ml	X	X				
Imatinib mesylate	Tab. 100mg	X	X				
Melphalan	Tab. 2mg	X	X				
Trastuzumab	Powder for inj. 150mg	X	X				
Zoledronate	Inj. 5mg/100ml	X	X				
Oxaliplatin	Inj. 5 mg/ml	X	X				
Carboplatin	Inj. 10mg/ml	X	X				
Paclitaxel	Powder for inj. 6 mg/ ml.	X	X				
Ifosfomide	Powder for inj. 1000mg	X	X				
Fluorouracil (5-fu)	Inj. 50mg/ml	X	X				
Fluorouracil (5-fu)	Cream 0.5%, 1% and 5 %	X	X				
Irinotecan	Inj. 20mg/ml	X	X				
Docetaxel	Inj. 20mg/ml	X	X				
Rituximab	Powder for inj. 100mg	X	X				
Cyclosporine	Tab. 25mg	X	X				
Mycophenolate	Tab 500mg	X	X				

**19.2. Medicines for Pain and Palliative Care**

**19.2.1 Non-opioids and non-steroidal Anti-Inflammatory medicines (NSAIDs)**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Acetylsalicylic acid	Tab. 500 mg.	X	X	X	X	X	
Ibuprofen	Tab. 400 mg;	X	X	X	X	X	
Paracetamol <sup>19</sup>	Tab. 500 mg.	X	X	X	X	X	X

<sup>19</sup>Not recommended for anti-inflammatory use due to lack of proven benefit to that effect

### 19.2.2 Opioid analgesics

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Codeine	Tab. 30 mg	X	X	X			
Morphine	Inj. 10 mg /ml	X	X	X			
Morphine	Oral liquid. 10 mg/5 ml.	X	X	X	X		
Morphine	Tab. 10 mg	X	X	X			

### 19.2.3 Medicines for other common symptoms in palliative care

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amitriptyline	Tab. 25 mg	X	X	X	X		
Cyclizine	Inj. 50 mg/ml.	X	X	X			
Cyclizine	Tab. 50 mg.	X	X	X			
Diazepam	Inj. 5 mg/ml.	X	X	X			
Diazepam	Tab. 5 mg.	X	X	X	X		
Ondansetron	Inj. 2mg/ 2ml	X	X	X	X		
Ondansetron	Tab. 8 mg.	X	X	X	X		
Fluoxetine	Tab. 20 mg	X	X	X			
Hyoscine butylbromide	Inj. 20 mg/ml.	X	X	X			
Lactulose	Oral liquid. 3,7 g/5 ml.	X	X	X	X		
Loperamide	Tab. 2 mg.	X	x	X	X		
Metoclopramide	Inj. 5 mg ml	X	X	X			
Metoclopramide	Oral liquid. 5 mg/5 ml.	X	X	X	X		
Metoclopramide	Tab. 10 mg	X	X	X	X		

## 20. IMMUNODEPRESSANTS

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Hydrocortisone	Inj. 100mg/ml	X	X	X			
Prednisolone	Tab. 5mg	X	X	X			
Dexamethazone	Inj. 4mg/ml	X	X	X			
Interferons $\alpha$ -2a	Inj. 1000000IU/1,2ml	X	X				
Interferons $\alpha$ -2b	Inj. 1000000IU/1,2ml	X	X				

## 21. ANTIPARKINSONISM MEDICINES

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Biperiden	Tab. 2 mg	X	X	X			
Biperiden	Inj. 5 mg/ml	X	X	X			
Levodopa/Carbidopa	Tab. 100mg/10 mg; 250 mg/25 mg	X	X				

## 22. MEDICINES AFFECTING THE BLOOD

### 22.1 Antianaemia medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Folic Acid (Vit B9)	Tab. 1 mg; 5mg	X	X	X	X	X	
Hydroxycobalamin (Vit B12)	Inj. 1 mg/ml	X	X	X	X		
Fer salts	Tab. 60 mg	X	X	X	X	X	
Fer salts/Folic acid	Tab. 60 mg/400 $\mu$ g	X	X	X	X	X	



## 22.2 Medicines affecting blood Coagulation

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Heparin	Inj. 5000IU/ml	X	X	X			
Enoxaparin	Inj. 40mg/0.4ml	X	X	X			
Warfarin	Tab. 1mg, 5mg	X	X	X			
Etamsylate	Tab. 250mg	X	X	X			
Etamsylate	Inj.250 mg/2ml	X	X	X			
Phytomenadione (Vit K)	Inj. 10 mg/ml	X	X	X	X	X	
Protamine	Inj. 10 mg/ml	X	X	X			

## 23. DERIVATIVES OF BLOOD AND PLASMA SUBSTITUTES

### 23.1 Plasma substitutes

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Gelatine (haemacel)	Inj. 3,5%	X	X	X			
Dextran 70	Injectable solution: 6%	X	X				

### 23.2 Blood and Blood components

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Red Blood Cells	Unit, 250ml-300ml	X	X	X			
Platelets	Unit, 50-70ml, 250-300ml	X	X	X			
Fresh Frozen Plasma	Unit 200-250ml	X	X	X			
Human immunoglobulin (Anti D)	Vial of 300 micro-grams	X	X	X			

## 24. DIAGNOSTIC PRODUCTS

### 24.1 In ophthalmology

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Fluorescein	Eye drops, 1 %	X	X	X			
Tropicamid	Eye drops , 0,5 %	X	X	X			

### 24.2 Diagnostic Products based on Immunological reactions

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Tuberculin, purified protein derivative (PPD)	Injectable	X	X	X	X		

### 24.3 Radiocontrast media

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Amidotrizoate	Inj. 140 to 420 mg of iodine/ml	X	X				
Iohexol	140-350 mg of iodine /ml	X	X				
Propylidone	Oil suspension, 500-600 mg/ml	X	X				
Barium Sulfate	Aqueous suspension	X	X	X			
Iotroxate meglumine	Solution, 5-8 g Iodine 100-250 ml	X	X				
Iopamidol	Inj. 300 mg/ml	X	X				

## 25. HORMONES, OTHER ENDOCRINE MEDICINES AND CONTRACEPTIVES

### 25.1 Androgens

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Testosterone	Inj. 200 mg/ml	X	X	X			

### 25.2 Contraceptives

#### 25.2.1 Hormonal contraceptives

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Levonorgestrel	Tab. 30mcg	X	X	X	X	X	X
Medroxyprogesterone acetate	Inj. 150 mg	X	X	X	X		
Levonorgestrel	Implant. 75mg	X	X	X	X		
Levonorgestrel	Tab. 1.5mg	X	X	X	X		
Etonogestrel	Implant 68mg	X	X	X	X		
Norgestrel/Ethinylestradiol	Tab. 300 µg, + 36mg	X	X	X	X		
Norethisterone enantate	Oily sol. 200 mg/ml	X	X	X	X		
Ethinylestradiol + Levonorgestrel	Tab. 30 µg + 150 µg;	X	X	X	X		X
Ethinylestradiol + Norethisterone	Tab. 35 µg + 1,0 mg	X	X	X	X		
Ethinylestradiol + Gestodene	Tab. 30 µg, + 750 µg	X	XX	X	X		
Medroxyprogesterone acetate	Inj. 150 mg/ml	X	X	X	X		
Mifepristone	Tab. 200 mg	X	X	X			

#### 25.3.2 Intrauterine devices

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Copper containing Device		X	X	X	X		
Levonorgestrel-releasing intrauterine system	Intrauterine system with reservoir containing 52 mg of levonorelrel	X	X	X	X		

#### 25.3.3 Mechanical contraceptives

Product Name	Dosage form & Strength	RH	HP	DH	HC	HP	Co
Condoms		X	X	X	X	X	X

### 25.4 Oestrogenic medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC		Co
Ethinylestradiol	Tab.10 µg, 50 µg	X	X	X			
Oestrogen/Progesterone	Tab. 0,625mg + 2,5mg	X	X	X			
Oestrogen	Gel. 0.6mg/g, 80g	X	X	X			
Progesterone	Tab. 100 mg	X	X	X			
Progesterone	Pessaries 200mg	X	X	X			

### 25.5 Ovulation inducers

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Clomifene	Tab. 50mg	X	X	X			
Bromocriptine	Tab. 2,5 mg	X	X				

## 25.6 Progestogens

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Norethisterone	Tab. 5 mg	X	X	X	X		
Medroxyprogesterone	Tab. 5 mg	X	X	X	X		

## 25.7. Insulins and other medicines used for diabetes

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Glibenclamide	Tab. 5 mg	X	X	X	X		
Gliclazide	Tab. 30mg	X	X	X			
Long acting insulins	Inj. 100 IU/ml	X	X	X	X		
Intermediate-acting insulins	Inj. 100 IU/ml	X	X	X	X		
Rapid-acting insulins	Inj. 100 IU/ml	X	X	X	X		
Metformin	Tab. 500 mg, 850mg	X	X	X	X		

## 25.8 Thyroid hormone and antithyroid medicines

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Potassium iodide	Tab. 60 mg	X	X	X			
Levothyroxine	Tab. 50 µg 100 µg	X	X	X			
Propylthiouracil	Tab. 50mg	X	X	X			
Carbimazole	Tab. 5mg	X	X	X			

## 26. IMMUNOLOGICAL PREPARATIONS

### 26.1 Sera and immunoglobulins

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Diphtheria antitoxin	Inj. 10.000 IU, 20.000 IU	X	X	X	X		
Rabies immunoglobulin	Inj. 150 IU/ml	X	X	X	X		
Tetanus human immunoglobulin	Inj. 500IU	X	X	X	X		
Human anti-D immunoglobulin	Inj. 300	X	X	X	X		
Snake Antivenoms	Inj. solution	X	X	X	X		

### 26.2 Vaccines

#### 26.2.1 General Use

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Measles Vaccine		X	X	X	X		
BCG Vaccine		X	X	X	X		
Polio Vaccine		X	X	X	X		
DTP-HepB + Hib		X	X	X	X		
Tetanus (T <sub>1</sub> & T <sub>2</sub> )		X	X	X	X		
Yellow Fever <sup>20</sup>		X					
Hepatitis B vaccine		X	X	X	X		

<sup>20</sup>This vaccine is only administered at central level (RBC/VPDP)

**26.2.2. Reserved for certain groups of subjects and materials**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Meningococcal vaccine		X	X	X	X		
Rabies Vaccine Inactivated		X	X	X	X		
Oral Polio Vaccine (OPV)		X	X	X	X		
Pneumococcal Vaccine		X	X	X	X		
Antitetanic Vaccine		X	X	X	X		
Hepatitis B vaccine		X	X	X	X		
HPV vaccine		X	X	X	X		

**27. SOLUTIONS CORRECTING WATER, ELECTROLYTE AND ACID-BASE DISTURBANCES**

**27.1 Oral way and nutrients**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Oral rehydration salts	Powder. 20,5g/l	X	X	X	X	X	X
Resomal	Sachet powder	X	X	X	X		
Corn Soya Beans (CSB)	Sachet powder	X	X	X	X		
Ready-To-Use-Therapeutic Food	Powder	X	X	X	X		
Therapeutic milk (F75, F100)	Sachet powder	X	X	X	X		

**27.2 Parenteral route**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Calcium gluconate	Inj.10%,	X	X	X			
Potassium Chloride	Solution 11,2 %	X	X	X			
Sodium Chloride	Solution inj. Isotonic 0,9 %	X	X	X	X		
Glucose	Solution inj. 5 %, 10%, 50%	X	X	X	X		
Glucose Sodium Chloride	Solution inj. 4 %	X	X				
Sodium bicarbonate	Inj. solution. isotonic 1,4 %	X	X	X			
Sodium lactate, solution	solution inj.	X	X	X	X		
Calcium chloride	Solution inj. isotonic 0,9 %	X	X	X			
Sodium chloride	Inj. Solution 3 %	X	X				
Mannitol	Injectable Solution 20%	X	X	X			
Gelatine (Haemecel)	Inj. 3.5% bottle 500ml	X	X	X			
Parenteral nutrition	Inj.	X	X				
Injectable micronutrients	Inj.	X	X				
Enteral nutrition	Inj.	X	X				

**27.3 Miscellaneous**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Water for injections	Inj. Bottle of 2 ml, 5 ml, 10 ml	X	X	X	X		

**27.4 Peritoneal Dialysis Solution**

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Solution for peritoneal dialysis	Parenteral solution	X	X	X			

## 28. VITAMINS AND MINERALS

Product Name	Dosage form & Strength	RH	PH	DH	HC	HP	Co
Ascorbic acid	Tab. 50 mg	X	X	X	X	X	
Nicotinamide	Tab. 50 mg	X	X	X	X		
Pyridoxine	Tab. 25 mg	X	X	X	X	X	
Retinol	Caps. 100,000; 200 000 IU	X	X	X	X	X	
Thiamine	Tab. 50 mg	X	X	X	X	X	
Vitamin B complex	Inj.	X	X	X			
Vitamin B complex	Tab.	X	X	X	X	X	
Multivitamin	Tab.	X	X	X	X	X	
Zinc	Tab. 10-20 mg	X	X	X	X	X	
Calcium + Vitamin D	Tab. 1000/880 mg	X	X	X			
Calcium gluconate	Tab. 500mg	X	X	X			
Cyano Cobalamine (Vitamin B12)	Tab.	X	X	X			
Niacin (Vitamin B3)	Tab.	X	X	X			
Potassium Chloride	Inj. 1g/10ml	X	X	X			
Iron and Folic Acid	Tab	X	X	X	X	X	X
Potassium Phosphate	Inj. 6g/10ml	X	X				

## 29. ESSENTIAL MEDICAL SUPPLIES AND LABORATORY REAGENTS

### 29.1. Medical Consumables

#### 29.1.1. Ligatures And Suture Materials And Surgicals

No	Item description	RH	PH	DH	HC	HP	Co
1	Bone wax	X	X	X			
2	Catgut chromic, sutures	X	X	X	X		
3	Colostomy bag	X	X	X			
4	Eye suture nylon	X	X	X			
5	Nylon, sutures	X	X	X	X		
6	Polyglactin acid, sutures	X	X	X	X		
7	Silk sutures	X	X	X	X		
8	Staple suture	X	X	X	X		
9	Surgical absorbable haemostat	X	X	X	X		
10	Umbilical cord	X	X	X	X		
11	Monofilament non resorbable sutures	X	X	X	X		
12	Resorbable sutures	X	X	X	X		
13	Staple suture	X	X	X	X		

#### 29.1.2. Gloves

No	Item description	RH	PH	DH	HC	HP	Co
1	Examination gloves, latex, non-sterile	X	X	X	X	X	X
2	Gynaecological gloves	X	X	X	X		
3	Heavy duty gloves, household	X	X	X	X	X	
4	Orthopaedics gloves	X	X	X			

5	Surgical gloves, sterile	X	X	X	X		
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### 29.1.3. Bandages And Dressings

No	Item description	RH	PH	DH	HC	HP	Co
1	Adhesive tape	X	X	X	X	X	
2	Bandage cotton	X	X	X	X	X	
3	Bandage crepe, stretched	X	X	X	X	X	
4	Bandage Plaster of paris (P.O.P)	X	X	X			
5	Elastic bandage	X	X	X	X	X	
6	Bandage triangular cotton	X	X	X	X		
7	Absorbent Gauze	X	X	X	X	X	
8	Gauze bandage	X	X	X	X	X	
9	Gauze pads, sterile	X	X	X	X	X	
10	Gauze swabs, Sterile	X	X	X	X	X	
11	Abdominal gauze swabs sterile	X	X	X			
12	Gauze, hydrophilic x-ray detectable	X	X	X			
13	Paraffin Gauze	X	X	X	X	X	
14	Plaster, adhesive elastic	X	X	X	X	X	
15	Plaster, adhesive, zinc oxide	X	X	X	X	X	
16	Wool, cotton	X	X	X	X	X	

### 29.1.4. Radiology And Other Imaging Supplies

No	Item description	RH	PH	DH	HC	HP	Co
1	ECG Gel	X	X	X			
2	EEG Gel,	X	X	X			
3	Lead apron 100 x 60cm H V	X	X	X			
4	Ultrasound gel	X	X	X	X		
5	Ultrasound papers	X	X	X			
6	Dosimeter machine	X	X	X			
7	X-ray developer and replenisher	X	X	X			
8	X-ray films	X	X	X			
9	X-ray fixers	X	X	X			

### 29.1.5. Administration Sets, Cannulas, Needles And Syringes

No	Item description	RH	PH	DH	HC	HP	Co
1	Air ring set, rubber with pump	X	X	X			
2	Airway guedel	X	X	X			
3	Blood collecting bags	X	X	X			
4	Blood giving sets	X	X	X			
5	Blood transfer bag	X	X	X			
6	Cannula IV with injection port and stopper	X	X	X			
7	Colostomy and ileostomy bag	X	X	X			
8	Immunization needles	X	X	X	X		
9	Immunization syringes + needles	X	X	X	X		

10	Nasal oxygen cannulas	X	X	X			
11	Dental Needle cartridge	X	X	X			
12	Dental Needles	X	X	X			
13	Needle for insulin device	X	X	X			
14	Hypodermic, Needle,	X	X	X	X	X	
15	Needles for lumbar puncture	X	X	X			
16	Infusion sets	X	X	X	X	X	
17	Set of blood transfusion	X	X	X			
18	Syringe disposable, hypodermic, luer Insulin	X	X	X	X		
20	Syringe with needle	X	X	X	X	X	
21	Syringe, disposable	X	X	X	X	X	
22	Syringe, disposable, hypodermic with needle	X	X	X	X		
23	Urine collecting bag	X	X	X			
24	Alcohol hands crub	X	X	X	X		
25	Central venous catheters	X	X	X	X	X	
26	Safely boxes	X	X	X	X	X	X
27	Bottle for suction chest	X	X	X			
28	Reconstitution Syringes	X	X	X	X		

**29.1.6. Catheters and Tubes**

No	Item description	RH	PH	DH	HC	HP	Co
1	Catheter stopper for all sizes	X	X	X			
2	Condom catheters	X	X				
3	Suction catheters	X	X	X			
4	Endotracheal tubes	X	X	X			
5	Feeding tubes	X	X	X			
6	Gastroduodenal tubes	X	X	X			
7	Nasogastric tube	X	X	X			
8	Rectal tube	X	X	X			
9	Thoracic drainage tubes	X	X	X			
10	Tracheostomy tube	X	X	X			
11	Urethral catheters	X	X	X			

**29.1.7. Protectives**

No	Item description	RH	PH	DH	HC	HP	Co
1	Apron plastified linen heavy duty	X	X	X			
2	Apron protective, disposable	X	X	X			
3	Bin linens different colors	X	X	X			
4	Boots for theatre	X	X	X			
5	Material for theatre gown	X	X	X			

**29.1.8. Ward And Theatre Supplies And Accessories**

No	Item description	RH	PH	DH	HC	HP	Co
1	Eye shield Single	X	X	X			
2	Oxygen mask with chamber nebulizer	X	X	X			
3	Oxygen mask with connection tubes	X	X	X			
4	Oxygen regulator, cylinder mounted	X	X	X			
5	Resuscitator bags	X	X	X			
6	Safe delivery (maternity) kit Standard	X	X	X	X		
7	Safety box for syringes and needle disposal	X	X	X	X		
8	Safety glasses	X	X	X	X		
9	Safety pin assorted size	X	X	X			
10	Shaver Single blade	X	X	X			
11	Stopcocks	X	X	X			
12	Circumcision devices and accessories	X	X	X			
13	Cesarian section kits	X	X	X			
14	Surgical brush (scrubbing)	X	X	X			
15	Surgical mop	X	X	X			

**29.1.9. Blades And Blade Handles**

No	Item description	RH	PH	DH	HC	HP	Co
1	Blades scalpel	X	X	X	X		
2	Scalpel handle for surgical blades	X	X	X			

**29.1.10. Haemodialysis & Peritoneal Dialysis**

No	Item description	RH	PH	DH	HC	HP	Co
1	Bicarbonate powder	X	X	X			
2	Haemodialysis catheters	X	X	X			
3	Dialysers, filters	X	X	X			
4	Adapters and connectors	X	X	X			
5	Tenkhoff catheters	X	X	X			
6	Y-line	X	X	X			
7	Dialysis collecting bag	X	X	X			

**29.1.11. Orthopaedic Supplies**

No	Item description	RH	PH	DH	HC	HP	Co
1	Angled blade plate	X	X				
2	AO femur nails	X	X				
3	AO tibia nails	X	X				
4	Austin Moore prosthesis 43mm diameter	X	X				
5	Bipolar prosthesis 43mm diameter	X	X				
6	Cancellous screw	X	X				
7	Partially and fully threaded	X	X				



8	Cancellous screws	X	X				
9	Cortical compression screw	X	X				
10	Diathermy cables and tips	X	X				
11	Drill bits	X	X				
12	Dynamic compression plates	X	X				
13	Diameters	X	X				
14	Dynamic compression, plates	X	X				
15	Dynamic hip screw	X	X				
16	External fixators	X	X				
17	Rods, single and double clamps and connecting rods	X	X				
18	Ilizarov bars	X	X				
19	Ilizarov bolts	X	X				
20	Central hole	X	X				
21	Ilizarov wires	X	X				
22	Kuntcher nails	X	X				
23	K-wires	X	X				
24	L plates	X	X				
25	One-third tubular plates	X	X				
26	Reconstruction plates	X	X				
27	Rush rods	X	X				
28	Schanz pins	X	X				
29	Semi-tubular plates	X	X				
30	Small external fixators	X	X				
31	T plates	X	X				

**29.1.12.Dental and Ophtalmic supplies**

No	Item description	RH	PH	DH	HC	HP	Co
1	Acrylic teeth, lower anterior Set	X	X	X			
2	Dental needles	X	X	X			
3	Dental plaster bag	X	X	X			
4	Dental probes	X	X	X			
5	Dental silver alloy 2 x 12g	X	X	X			
6	Dental stone 1kg bag	X	X	X			
7	Calcium hydroxide liquid and powder	X	X	X			
8	Dental drill bits	X	X	X			
9	Bite wing dental films	X	X	X			
10	Arch bars, dental	X	X	X			
11	Dental mirrors	X	X	X			
12	Dental X-ray films	X	X	X			
13	Silver point for root canal filling	X	X	X			
14	Suction tubes (saliva ejectors)	X	X	X			
15	Zinc phosphate cement powder	X	X	X			

16	Ethyl chloride spray	X	X	X			
17	Eugenol liquid	X	X	X			
18	Glass ionomer cement kit	X	X	X			
19	Polymethylmethacrylate (PMMA) intraocular lenses	X	X	X			

### 29.1.13. Miscellaneous Supplies

No	Item description	RH	PH	DH	HC	HP	Co
1	Applicator stick with cotton tip	X	X	X			
2	Autoclave tape	X	X	X	X	X	
3	Bedpan, stainless steel Standard	X	X	X	X	X	
4	Body bag	X	X	X			
5	Condoms	X	X	X	X	X	X
6	Dispensing envelopes	X	X	X	X	X	X
7	Face masks	X	X	X	X		
8	First aid kits	X	X	X	X	X	
9	Galliot, stainless steel	X	X	X			
10	Mucus extractor	X	X	X			
11	Pap smear kits	X	X	X			
12	Tongue Depressor	X	X	X	X	X	
13	Umbilical clamp	X	X	X	X		
14	Undercast padding	X	X	X			
15	Medical thermometer	X	X	X	X	X	
16	Blood pressure machine	X	X	X	X	X	
18	Otoscope	X	X	X	X	X	
19	Stockinet	X	X	X	X	X	
20	Ambu bags	X	X	X			
21	Oxygen masks	X	X	X			
22	Protection glasses	X	X	X	X	X	
18	Urine collecting bag	X	X	X			

### 29.2. Laboratory Supplies and Reagents

#### 29.2.1. Laboratory supplies

No	Item description	RH	PH	DH	HC	HP	Co
1	Alcohol swab	X	X	X	X	X	
2	Blood lancet	X	X	X	X		
3	Capillary tube, EDTA	X	X	X	X	X	
4	CD4 stabilization tubes	X	X				
5	Needle holders	X	X	X	X	X	
6	Pasteur pipette	X	X	X	X	X	
7	Sharps container	X	X	X	X	X	
8	Vacutainer tubes	X	X	X	X	X	
9	Vacutainer needles	X	X	X	X	X	

10	Vacutainer EDTA	X	X	X	X	X	
11	Microscope slides	X	X	X	X	X	
12	Filter papers	X	X	X	X	X	
14	Cryotubes for serum	X	X	X	X		
15	Conical tubes	X	X	X	X		
16	Western Blot	X	X	X	X		
17	Examination gloves	X	X	X	X	X	
18	Masking tape	X	X	X	X	X	
19	Pipettes stands	X	X	X	X	X	
20	Vaginal swabs	X	X	X	X	X	
21	Tips for Micro – pipettes	X	X	X	X	X	
22	Syringes	X	X	X	X	X	
23	Microscope	X	X	X	X	X	
24	Safety glasses	X	X	X	X	X	
25	Mixer	X	X	X	X	X	
26	Stool container	X	X	X	X	X	
27	Urine container	X	X	X	X	X	
28	Lamella	X	X	X	X	X	
29	Needle Adaptators	X	X	X	X	X	
30	Tips for micro pipettes	X	X	X	X	X	
31	Glass tubes	X	X	X	X	X	
32	Plastic tubes	X	X	X	X	X	
33	Sampling containers	X	X	X	X	X	

**29.2.2. Testing kits including reagents**

No	Item description	RH	PH	DH	HC	HP	Co
1	Blood glucose test strips	X	X	X	X	X	
2	Brucella abortus Ag	X	X	X			
3	Brucella melistensis Ag	X	X	X			
4	Cryptococcal latex antigen	X	X	X			
5	HCG latex antigen	X	X	X			
6	HCG pregnancy test	X	X	X	X	X	
7	IgM (tubex)	X	X	X			
8	Malaria rapid diagnostics test (RDT)	X	X	X	X	X	
9	RPR antigen	X	X	X			
10	RPR test strips	X	X	X	X		
11	Toxoplasma screening test	X	X	X			
12	TPHA antigen	X	X	X			
13	Treponema specific test	X	X	X			
14	Biochemistry tests	X	X	X	X		
15	Haematology Kits	X	X	X			
16	Controls kits	X	X	X			
17	CD4 counts kits and accessories	X	X	X			

18	HIV rapid tests	X	X	X	X		
19	Viral load test kits	X	X				
20	Urine test strips	X	X	X	X		

**29.2.3. Tuberculosis reagents kit**

No	Item description	RH	PH	DH	HC	HP	Co
1	Methylene blue	X	X	X	X		
2	Microscope slide	X	X	X	X	X	
3	Strong carbol fuchsin	X	X	X	X		
4	Sulphuric acid	X	X	X	X		
5	Auramine-o stain	X	X	X	X		
6	Hydrochloride in ethanol	X	X	X	X		

**29.2.4. Malaria reagent kits**

No	Item description	RH	PH	DH	HC	HP	Co
1	Cuvettes	X	X	X			
2	Cyanmethaemoglobin standard	X	X	X			
3	Giemsa stain	X	X	X	X	X	
4	Hemoglobin (Hb) calorimetry kit	X	X	X			
5	Phosphate buffer tablets	X	X	X			
6	Sodium chloride (saline)	X	X	X			
7	Sodium metabisulphite	X	X	X			

**29.2.5. Culture media and biochemical Reagents**

No	Item description	RH	PH	DH	HC	HP	Co
1	Alkaline peptone water agar, dehydrated powder	X	X	X			
2	API-20E kit	X	X	X			
3	Bile aesculin agar 500g	X	X	X			
4	Blood base agar, dehydrated powder 500g	X	X	X			
5	Blood culture system (diphasic)	X	X	X			
6	Brain heart infusion dehydrated powder 500mg	X	X	X			
7	Carry-Blair agar, dehydrated powder 500g	X	X	X			
8	DCA agar, dehydrated powder 500g	X	X	X			
9	GC base agar 500g	X	X	X			
10	Haemoglobin Agar, powder 500g	X	X	X			
11	Haemophilus sensitivity agar, powder 500g	X	X	X			
12	Kligler iron agar 500g	X	X	X			

13	MacConkey agar, dehydrated powder 500g	X	X	X			
14	Maconkey sorbitol agar, dehydrated powder 500g	X	X	X			
15	Muller Hinton agar, dehydrated powder 500g	X	X	X			
16	Nutrient agar, dehydrated powder 500g	X	X	X			
17	Phenyl alanine 500g	X	X	X			
18	Saboraud dextrose agar 500g	X	X	X			
19	Selenite F broth, dehydrated powder 500g	X	X	X			
20	SIM agar, dehydrated powder 500g	X	X	X			
21	Skimmed milk 500g	X	X	X			
22	TCBS agar, dehydrated powder 500g	X	X	X			
23	Tryptone soya broth base 500g	X	X	X			
24	TSI agar, dehydrated powder 500g	X	X	X			
25	Urea agar, dehydrated powder 500g	X	X	X			
26	XLD agar, dehydrated powder 500g	X	X	X			

**29.2.6. Antimicrobial densitivity discs kits**

No	Item description	RH	PH	DH	HC	HP	Co
1	Ampicillin 10µg	X	X	X			
2	Bacitracin	X	X	X			
3	Ceftriaxin µg	X	X	X			
4	Chloramphenicol 10µg	X	X	X			
5	Ciprofloxacin 1µg	X	X	X			
6	Cotrimoxazole 25µg	X	X	X			
7	Erythomycin 5µg	X	X	X			
8	Gentamicin 100µg	X	X	X			
9	Methicilin	X	X	X			
10	Metronidazole	X	X	X			
11	Nalidixic acid 30µg	X	X	X			
12	Penicillin G 10µg	X	X	X			
13	Tetracycline 10µg	X	X	X			

**29.2.7. Identification bio-chemicals**

No	Item description	RH	PH	DH	HC	HC	Co
1	E-strip test 100 strips	X	X	X			
2	Factor V 50 pieces	X	X	X			
3	Factor X 50 pieces	X	X	X			
4	Factor X + V 50 pieces	X	X	X			
5	Iso vitalex 10ml	X	X	X			
6	Optochin 50 pieces	X	X	X			

7	Pastorex rapid kit for meningitis	X	X	X			
8	Slidex latex rapid kit for cholera	X	X	X			
9	Yersinia pestis rapid kit	X	X	X			

**29.2.8. Typing sera**

No	Item description	RH	PH	DH	HC	HP	Co
1	Enteroinvasive escherichia coli	X	X	X			
2	Escherichia coli polyvalent	X	X	X			
3	Neisseria meningitidis monovalent	X	X	X			
4	Neisseria meningitidis polyvalent	X	X	X			
5	Salmonella monovalent	X	X	X			
6	Salmonella polyvalent	X	X	X			
7	Shigella boydii	X	X	X			
8	Shigella dysenteriae monovalent	X	X	X			
9	Shigella dysenteriae polyvalent	X	X	X			
10	Shigella sonnei	X	X	X			
11	Vibrio cholerae	X	X	X			
12	Anti human globulin serum	X	X	X			
13	Anti serum A 10ml	X	X	X			
14	Anti serum AB 10ml	X	X	X			
15	Anti serum B 10ml	X	X	X			
16	Anti serum D (IgM + IgG) 10ml	X	X	X			
17	Blood giving sets	X	X	X			
18	Blood labels Capillary tubes	X	X	X			
19	ELISA, Ag/Ab microplate	X					
20	Ependorf tubes 1 BB E	X	X	X			
21	Hepatitis B surface antigen strips	X	X	X			
22	Hepatitis C antigen strips	X	X	X			
23	Hydrochloric acid (concentrated)	X	X	X			
24	Masking tape	X	X	X			
25	Pipette stand	X	X	X			
26	Single channel pipettes	X	X	X			
27	Sulphuric acid (concentrated)	X	X	X			
28	Bag holder, biohazard	X	X	X			
29	Genotyping test kits	X	X	X			
30	Bag, biohazard	X	X	X			

**Bibonywe ngo bishyirwe ku mugereka w'Iteka rya Minisitiri n°20/39 ryo ku wa 29/01/2016 rigena urutonde rw'ibikorwa by'ubuvuzi bitangwa kuri buri rwego rw'ibigo by'ubuvuzi**

**Seen to be annexed to the Ministerial Order n°20/39 of 29/01/2016 determining medical services provided at each level of health facilities**

**Vu pour être annexé à l'Arrêté Ministériel n°20/39 du 29/01/2016 déterminant les prestations médicales dispensées à chaque niveau d'établissements de santé**

Kigali, ku wa **29/01/2016**

Kigali, on **29/01/2016**

Kigali, le **29/01/2016**

(sé)

**Dr. BINAGWAHO Agnes**  
Minisitiri w'Ubuzima

(sé)

**Dr. BINAGWAHO Agnes**  
Minister of Health

(sé)

**Dr. BINAGWAHO Agnes**  
Ministre de la Santé

**Bibonywe kandi bishyizweho Ikirango cya Repubulika:**

**Seen and sealed with the Seal of the Republic:**

**Vu et scellé du Sceau de la République :**

(sé)

**BUSINGYE Johnston**  
Minisitiri w'Ubutabera/Intumwa Nkuru ya Leta

(sé)

**BUSINGYE Johnston**  
Minister of Justice/Attorney General

(sé)

**BUSINGYE Johnston**  
Ministre de la Justice/ Garde des Sceaux