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# COOK ISLANDS ESSENTIAL MEDICINES LIST OCTOBER 2023 UPDATE

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Updated pursuant to the Medicines & Therapeutics Committee Meeting held in October 2023

# INTRODUCTION

Medicines listed in the Cook Islands Essential Medicines List (EML) have been approved by the Cook Islands Ministry of Health Drug and Therapeutics Committee for use in Ministry of Health hospitals, clinics and pharmacies in the Cook Islands.

## 1.1 Policy

Only medicines listed in the EML are recommended for use and are available in the Ministry of Health pharmacies and hospitals.

For medicines not listed on the EML practitioners have the following options:

- changing to an EML-listed alternative
- provide a prescription to enable the patient to purchase their supply from a community pharmacy

Where there is an ongoing requirement for a non-EML medicine, and an EML-alternative is not available, prescribers may apply for a 'named patient' supply by completing the "Special Request for the Supply of a non-EML Medicine for an Individual Patient" form available for download from the Ministry of Health website at <http://www.health.gov.ck/clientsconsumers/essential-medicines-list/>.

The appropriate sections of the form should be completed by the requesting prescriber and then forwarded to the Chief Pharmacist for further completion and consideration by a Standing Committee of the Drug and Therapeutics Committee. Patients approved for a 'named patient' supply are able to have prescriptions for their medicine filled at their nominated Ministry of Health Pharmacy, once a supply of stock has been obtained (2-3 weeks).

There are also some medicines listed in the EML that are only available on a 'named patient' and/or designated prescriber basis.

Prescribers can request the addition to, or removal of a medicine from the EML by using the "Request for the addition of a Medicine to the Essential Medicines List" form on the Ministry's website (<http://www.health.gov.ck/clientsconsumers/essential-medicines-list/>). This should be forwarded to the Chief Pharmacist for consideration at the next Drug and Therapeutics Committee meeting.

## 1.2 Presentation

Items listed in the document are listed alphabetically in each section, in the following presentation:

| MEDICINE | FORM | STRENGTH/SIZE | NOTES |
|----------|------|---------------|-------|
|----------|------|---------------|-------|

## 1.3 Indexing

The indexing system of the WHO EML has been maintained for ease of updating and comparison. Medicines listed under different headings are approved and recommended for use for that condition.

Individual medicine entries can be located using the Index at the back of the document, or by hovering over the section heading in the Table of Contents and using Ctrl+Click to go to that section, or by searching using the "CtrlF" function. Note that individual medicines may appear under more than one category.

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# 1 ANAESTHETICS

## 1.1 General Anaesthetics and Oxygen

### 1.1.1 Inhalational Anaesthetics and Medicines

| MEDICINE                        | FORM  | STRENGTH/SIZE | NOTES |
|---------------------------------|---|---------------|-------|
| Isoflurane                      | Liquid for inhalation                         | 250mL         |       |
| Sevoflurane                     | Liquid for inhalation                         | 250mL         |       |
| Nitrous oxide                   | Gas for inhalation                            |               |       |
| Oxygen                          | Gas for inhalation<br>(OXYGEN "G" SIZE Gas 1) |               |       |
| Soda lime<br>(sodium hydroxide) | Granules                                      |               |       |

### 1.1.2 Injectable Anaesthetics

| MEDICINE   | FORM      | STRENGTH/SIZE | NOTES         |
|------------|-----------|---------------|---------------|
| Ketamine   | Injection | 500mg/10mL    |               |
| Propofol   | Injection | 200mg/20mL    |               |
| Thiopental | Injection | 1g            | Theatre or ED |

## 1.2 Local Anaesthetics

| MEDICINE                                | FORM                     | STRENGTH/SIZE                                      | NOTES                    |
|---|--------------------------|--|--------------------------|
| Bupivacaine                             | Injection                | 0.5%, 20mL   |                          |
|   | Spinal (heavy) injection | 0.5%, 4mL  |                          |
| Ethyl chloride                          | Spray                    | 100mL  |                          |
| Lidocaine                               | Injection                | 2%, 5mL  |                          |
|   | Gel, urethral syringe    | 2%, 10mL   | For male catheterisation |
|   | Spray                    | 10%, 50mL  | Theatre                  |
| Lidocaine + adrenaline<br>(epinephrine) | Dental cartridge         | 1% + 1:100,000,<br>5mL,<br>2% + 1:80,000,<br>2.2mL |                          |
| Lidocaine + prilocaine                  | Cream                    | 2.5% + 2.5%  | EMLA®                    |

## 1.3 Preoperative Medication and Sedation for Short Term Procedures

| MEDICINE  | FORM      | STRENGTH/SIZE            | NOTES           |
|-----------|-----------|--------------------------|-----------------|
| Midazolam | Injection | 15mg/3mL                 |                 |
| Morphine  | Injection | 10mg/1mL                 | Controlled Drug |
| Fentanyl  | Injection | 100mcg/2mL               | Controlled Drug |
| Atropine  | Injection | 600mcg/1mL or<br>1mg/1mL |                 |

## 2 ANALGESICS AND MEDICINES FOR PALLIATIVE CARE

### 2.1 Non-opioid Analgesics and Non-steroidal Anti-inflammatory Medicines

| MEDICINE       | FORM                      | STRENGTH/SIZE        | NOTES   |
|----------------|---------------------------|----------------------|---|
| Amitriptyline  | Tablets                   | 10mg, 25mg           |   |
| Ibuprofen      | Oral liquid               | 100mg/5mL            |   |
|                | Tablets                   | 200mg                |   |
| Diclofenac     | Injection                 | 75mg/3mL             |   |
|                | Suppositories             | 25mg, 50mg, 100mg    |   |
|                | Tablets, enteric coated   | 50mg                 |   |
|                | Tablets, modified release | 75mg                 |   |
| Gabapentin     | Capsules                  | 300mg                | Second-line for neuropathic pain, when another agent isn't suitable |
| Mefenamic acid | Capsules                  | 250mg                | Dysmenorrhoea or menorrhagia  |
| Naproxen       | Tablets                   | 250mg                |   |
| Paracetamol    | Oral liquid               | 120mg/5mL, 250mg/5mL |   |
|                | Suppositories             | 125mg, 250mg, 500mg  |   |
|                | Tablets                   | 500mg                |   |

### 2.2 Opioid Analgesics

| MEDICINE  | FORM                                  | STRENGTH/SIZE                  | NOTES                                     |
|-----------|---------------------------------------|--------------------------------|---|
| Codeine   | Tablets                               | 30mg                           | Controlled Drug                           |
| Fentanyl  | Injection                             | 100mcg/2mL                     | Controlled Drug                           |
|           | Nasal spray                           | 50mcg/mL                       | Controlled Drug, pharmacy compounded item |
|           | Transdermal patch                     | 12.5mcg/hr, 25mcg/hr, 50mcg/hr | Controlled Drug                           |
| Morphine  | Injection                             | 10mg/1mL                       | Controlled Drug                           |
|           | Oral liquid                           | 2mg/1mL                        |   |
|           | Tablets or capsules, modified release | 10mg, 30mg                     |   |
|           | Tablets, immediate release            | 10mg                           |   |
| Pethidine | Injection                             | 50mg/1mL                       | Controlled Drug, Obstetrics               |
| Tramadol  | Capsules                              | 50mg                           |   |
|           | Injection                             | 100mg/2mL                      |   |



## 2.3 Medicines for Other Common Symptoms in Palliative Care

| MEDICINE              | FORM                    | STRENGTH/SIZE | NOTES                    |
|-----------------------|-------------------------|---------------|--------------------------|
| Amitriptyline         | Tablets                 | 10mg, 25mg    |                          |
| Dexamethasone         | Injection               | 4mg/1mL       |                          |
|                       | Tablets                 | 4mg           |                          |
| Diazepam              | Injection               | 10mg/2mL      | May be used rectally     |
|                       | Tablets                 | 5mg           |                          |
| Docusate + sennosides | Tablets                 | 50mg + 8mg    |                          |
| Fluoxetine            | Capsules                | 20mg          |                          |
| Haloperidol           | Injection               | 5mg/1mL       |                          |
|                       | Tablets                 | 500mcg, 5mg   |                          |
| Hyoscine butylbromide | Injection               | 20mg/1mL      |                          |
| Lactulose             | Oral liquid             | 10g/15mL      |                          |
| Loperamide            | Tablets or capsules     | 2mg           |                          |
| Metoclopramide        | Injection               | 10mg/2mL      |                          |
|                       | Tablets                 | 10mg          |                          |
| Midazolam             | Nasal spray             | 5mg/mL        | Pharmacy compounded item |
|                       | Injection               | 15mg/3mL      |                          |
| Ondansetron           | Injection               | 4mg/2mL       |                          |
|                       | Tablets, orodispersible | 4mg           |                          |

### 3 ANTIALLERGIC MEDICINES AND MEDICINES FOR ANAPHYLAXIS

| MEDICINE                 | FORM        | STRENGTH/SIZE  | NOTES               |
|--------------------------|-------------|----------------|---------------------|
| Adrenaline (epinephrine) | Injection   | 1mg/1mL        |                     |
| Dexamethasone            | Injection   | 4mg/1mL        |                     |
| Hydrocortisone           | Injection   | 100mg          |                     |
| Loratadine               | Tablets     | 10mg           |                     |
| Promethazine             | Tablets     | 10mg, 25mg     |                     |
|                          | Oral liquid | 5mg/5mL        |                     |
|                          | Injection   | 50mg/2mL       |                     |
| Prednisolone             | Oral liquid | 5mg/1mL        | Paediatric patients |
| Prednisone               | Tablets     | 1mg, 5mg, 20mg |                     |

## 4 ANTIDOTES AND MEDICINES FOR POISONING

### 4.1 Non-specific Treatments

| MEDICINE            | FORM        | STRENGTH/SIZE | NOTES |
|---------------------|-------------|---------------|-------|
| Charcoal, activated | Oral liquid | 200mg/1mL     |       |

### 4.2 Specific Antidotes

For dosing recommendations see TOXINZ website (<http://www.toxinz.com/>)

| MEDICINE                       | FORM      | STRENGTH/SIZE          | NOTES  |
|--------------------------------|-----------|------------------------|--|
| Acetylcysteine                 | Injection | 2g/10mL                | Paracetamol poisoning  |
| Atropine                       | Injection | 600mcg/1mL             | Organophosphate poisoning  |
| Calcium gluconate              | Injection | 1g/10mL (10%)          | Potassium, magnesium, or calcium channel blocker(CCB) poisoning          |
| Desferrioxamine (deferoxamine) | injection | 500mg                  | Iron poisoning   |
| Naloxone                       | Injection | 400mcg/1mL             | Opioid poisoning   |
| Phytomenadione                 | Injection | 2mg/0.2mL,<br>10mg/1mL | Warfarin poisoning<br>Vitamin K<br>Injection solution may be used orally |

## 5 ANTICONVULSANTS AND ANTIPILEPTICS

| MEDICINE          | FORM                      | STRENGTH/SIZE        | NOTES                                  |
|-------------------|---------------------------|----------------------|--|
| Carbamazepine     | Oral liquid               | 100mg/5mL            |  |
|                   | Tablets, modified release | 200mg                |  |
| Diazepam          | Injection                 | 10mg/2mL             | May be used rectally                   |
| Levetiracetam     | Injection                 | 500mg/5mL            |  |
|                   | Oral liquid               | 100mg/mL             |  |
|                   | Tablets                   | 500mg, 750mg, 1000mg |  |
| Magnesium sulfate | Injection                 | 49.3%, 5mL           | For eclampsia and severe pre-eclampsia |
| Midazolam         | Injection                 | 15mg/3mL             | May be used buccally or intranasally   |
| Phenobarbitone    | Injection                 | 200mg/1mL            | Controlled Drug                        |
|                   | Tablets                   | 30mg                 |  |
| Phenytoin         | Capsules                  | 30mg, 100mg          |  |
|                   | Injection                 | 250mg/5mL            |  |
|                   | Oral liquid               | 30mg/5mL             |  |
| Sodium valproate  | Oral liquid               | 200mg/5mL            |  |
|                   | Tablets, enteric coated   | 200mg, 500mg         |  |

## 6 ANTI-INFECTIVE MEDICINES

### 6.1 Anthelmintics

#### 6.1.1 Intestinal Anthelmintics

| MEDICINE    | FORM              | STRENGTH/SIZE | NOTES |
|-------------|-------------------|---------------|-------|
| Albendazole | Tablets, chewable | 400mg         |       |

#### 6.1.2 Antifilarial Medicines

| MEDICINE           | FORM              | STRENGTH/SIZE | NOTES |
|--------------------|-------------------|---------------|-------|
| Albendazole        | Tablets, chewable | 400mg         |       |
| Diethylcarbamazine | Tablets           | 50mg          |       |

### 6.2 Antibacterials

#### 6.2.1 Beta-lactam Medicines

| MEDICINE                      | FORM        | STRENGTH/SIZE      | NOTES  |
|-------------------------------|-------------|--------------------|--|
| Amoxicillin                   | Capsules    | 250mg, 500mg       |  |
|                               | Injection   | 1g                 |  |
|                               | Oral liquid | 250mg/5mL          |  |
| Amoxicillin + clavulanic acid | Injection   | 1g + 200mg         |  |
|                               | Oral liquid | 250mg + 62.5mg/5mL |  |
|                               | Tablets     | 500mg + 125mg      |  |
| Benzathine penicillin         | Injection   | 1.2 MU (900mg)     | For rheumatic heart disease prevention or syphilis |
| Benzylpenicillin              | Injection   | 600mg              |  |
| Cefalexin                     | Capsules    | 500mg              |  |
|                               | Oral Liquid | 250mg/5mL          |  |
| Cefazolin                     | Injection   | 1g                 | For surgical prophylaxis                           |
| Cefotaxime                    | Injection   | 500mg              | Restricted, contact Pharmacist                     |
| Ceftazidime                   | Injection   | 1g                 | Restricted, contact Pharmacist                     |
| Ceftriaxone                   | Injection   | 1g                 |  |
| Flucloxacillin                | Capsules    | 250mg, 500mg       |  |
|                               | Oral liquid | 250mg/5mL          |  |
|                               | Injection   | 1g                 |  |
| Meropenem                     | Injection   | 1g                 | Restricted, contact Pharmacist                     |
| Phenoxymethylpenicillin       | Capsules    | 250mg              |  |

##### 6.2.1.1 Beta-lactam Adjunct

| MEDICINE   | FORM    | STRENGTH/SIZE | NOTES |
|------------|---------|---------------|-------|
| Probenecid | Tablets | 500mg         |       |

### 6.2.2 Other Antibacterials

| MEDICINE   | FORM        | STRENGTH/SIZE       | NOTES |
|--|-------------|---------------------|-------|
| Azithromycin   | Oral liquid | 200mg/5mL           |       |
|  | Tablets     | 500mg               |       |
| Ciprofloxacin  | Tablets     | 500mg               |       |
| Clindamycin  | Capsules    | 150mg               |       |
|  | Injection   | 600mg/4mL           |       |
| Doxycycline  | Tablets     | 100mg               |       |
| Gentamicin   | Injection   | 80mg/2mL            |       |
| Metronidazole  | Infusion    | 500mg/100mL         |       |
|  | Tablets     | 200mg, 400mg        |       |
| Nitrofurantoin   | Tablets     | 100mg               |       |
| Rifampicin   | Capsules    | 150mg, 300mg        |       |
|  | Oral liquid | 100mg/5mL           |       |
| Co-trimoxazole<br>(trimethoprim +<br>sulfamethoxazole) | Oral liquid | 40mg +<br>200mg/5mL |       |
|  | Tablets     | 80mg + 400mg        |       |
| Trimethoprim   | Tablets     | 300mg               |       |
| Vancomycin   | Injection   | 500mg               |       |

### 6.2.3 Antileprosy medicines (in combination)

| MEDICINE    | FORM     | STRENGTH/SIZE | NOTES                       |
|-------------|----------|---------------|-----------------------------|
| Clofazimine | Capsules | 100mg         | Ordered on request from WHO |
| Dapsone     | Tablets  | 100mg         | Ordered on request          |
| Rifampicin  | Capsules | 150mg, 300mg  |                             |

### 6.2.4 Anti-tuberculosis medicines

| MEDICINE     | FORM        | STRENGTH/SIZE | NOTES                           |
|--------------|-------------|---------------|---------------------------------|
| Ethambutol   | Tablets     | 400mg         |                                 |
| Isoniazid    | Tablets     | 100mg         |                                 |
| Pyrazinamide | Tablets     | 500mg         |                                 |
| Pyridoxine   | Tablets     | 25mg          | To prevent isoniazid neuropathy |
| Rifampicin   | Capsules    | 150mg, 300mg  |                                 |
|              | Oral liquid | 100mg/5mL     |                                 |

## 6.3 Antifungal medicines

| MEDICINE     | FORM           | STRENGTH/SIZE | NOTES |
|--------------|----------------|---------------|-------|
| Clotrimazole | Cream          | 1%            |       |
|              | Vaginal cream  | 1%            |       |
|              | Vaginal tablet | 500mg         |       |
| Fluconazole  | Capsules       | 50mg          |       |
| Nystatin     | Oral liquid    | 100,000IU/1mL |       |
| Terbinafine  | Tablets        | 250mg         |       |

## 6.4 Antiviral medicines

### 6.4.1 Antiherpes medicines

| MEDICINE  | FORM                 | STRENGTH/SIZE | NOTES |
|-----------|----------------------|---------------|-------|
| Aciclovir | Injection            | 250mg/10mL    |       |
|           | Tablets, dispersible | 200mg, 800mg  |       |

### 6.4.2 Antiretroviral

*On the recommendation of a Specialist. Ordered on request.*

Needle stick injury kit: contact Chief Medical Officer

## 6.5 Antiprotozoal medicines

### 6.5.1 Antiamoebic and anti giardiasis medicines

| MEDICINE      | FORM     | STRENGTH/SIZE | NOTES |
|---------------|----------|---------------|-------|
| Metronidazole | Infusion | 500mg/100mL   |       |
|               | Tablets  | 200mg, 400mg  |       |

### 6.5.2 Antimalarial medicines

#### 6.5.2.1 Malaria curative treatment

| MEDICINE    | FORM    | STRENGTH/SIZE | NOTES                    |
|-------------|---------|---------------|--------------------------|
| Doxycycline | Tablets | 100mg         |                          |
| Mefloquine  | Tablets | 250mg         |                          |
| Quinine     | Tablets | 300mg         | For treatment of malaria |

#### 6.5.2.2 Malaria prophylaxis

**NOTE:** Check information on the CDC website ([www.cdc.gov/malaria/travelers/country\\_table/a.html](http://www.cdc.gov/malaria/travelers/country_table/a.html)) for country-specific recommendations

| MEDICINE    | FORM    | STRENGTH/SIZE | NOTES   |
|-------------|---------|---------------|---|
| Doxycycline | Tablets | 100mg         | Available to government employees travelling on government business |
| Mefloquine  | Tablets | 250mg         |   |

### 6.5.3 Antipneumocystosis (PCP) and antitoxoplasmosis medicines

| MEDICINE   | FORM        | STRENGTH/SIZE    | NOTES |
|--|-------------|------------------|-------|
| Co-trimoxazole (trimethoprim + sulfamethoxazole) | Oral liquid | 40mg + 200mg/5mL |       |
|  | Tablets     | 80mg + 400mg     |       |

## 7 ANTI-MIGRAINE MEDICINES

### 7.1 Treatment of acute migraine attack

| MEDICINE    | FORM        | STRENGTH/SIZE           | NOTES   |
|-------------|-------------|-------------------------|---|
| Aspirin     | Tablets     | 300mg                   |   |
| Ibuprofen   | Tablets     | 200mg                   |   |
| Paracetamol | Oral liquid | 120mg/5mL,<br>250mg/5mL |   |
|             | Tablets     | 500mg                   |   |
| Sumatriptan | Tablets     | 50mg                    | Not in patients with ischaemic cardiovascular disease |

### 7.2 Migraine prophylaxis

| MEDICINE   | FORM                      | STRENGTH/SIZE            | NOTES |
|------------|---------------------------|--------------------------|-------|
| Metoprolol | Tablets, modified release | 23.75mg,<br>47.5mg, 95mg |       |



## 8 ANTINEOPLASTICS AND IMMUNOSUPPRESSIVES

### 8.1 Immunosuppressive medicines

| MEDICINE           | FORM    | STRENGTH/SIZE | NOTES  |
|--------------------|---------|---------------|--|
| Hydroxychloroquine | Tablets | 200mg         | Prescribed by Medicine Department Doctors, or on the recommendation of a Specialist  |
| Methotrexate       | Tablets | 2.5mg         | Prescribed weekly by Medicine Department Doctors<br>Use with weekly folic acid 5mg taken on a different day to the methotrexate (see 8.2 below)<br>Monthly FBC, LFTs |

### 8.2 Cytotoxic and adjuvant medicines

| MEDICINE   | FORM    | STRENGTH/SIZE | NOTES  |
|------------|---------|---------------|--|
| Folic acid | Tablets | 5mg           | As an adjuvant to weekly methotrexate<br>Use weekly on a different day to the methotrexate (see 8.1 above) |

### 8.3 Hormones and antihormones

| MEDICINE  | FORM      | STRENGTH/SIZE | NOTES                                 |
|-----------|-----------|---------------|---------------------------------------|
| Goserelin | Injection | 3.6mg, 10.8mg | On the recommendation of a Specialist |
| Tamoxifen | Tablets   | 20mg          | On the recommendation of a Specialist |

## 9 ANTI-PARKINSON'S MEDICINES

| MEDICINE             | FORM      | STRENGTH/SIZE                 | NOTES |
|----------------------|-----------|-------------------------------|-------|
| Benztropine          | Injection | 1mg/1mL                       |       |
|                      | Tablets   | 2mg                           |       |
| Levodopa + carbidopa | Tablets   | 100mg + 25mg,<br>250mg + 25mg |       |

## 10 BLOOD MODIFYING MEDICINES

### 10.1 Anti-anaemia medicines

Generally, only one form of iron tablets will be stocked at one time, either ferrous fumarate OR ferrous sulphate, with or without folic acid.

| MEDICINE                      | FORM        | STRENGTH/SIZE  | NOTES                                 |
|-------------------------------|-------------|----------------|---------------------------------------|
| Ferrous fumarate              | Tablets     | 200mg          | Equivalent to 65mg elemental iron     |
| Ferrous fumarate + folic acid | Tablets     | 310mg + 0.35mg | Equivalent to 100mg elemental iron    |
| Ferrous sulfate               | Oral liquid | 150mg/5mL      | Equivalent to 30mg/5mL elemental iron |
|                               | Tablets     | 200mg          | Equivalent to 65mg elemental iron     |
| Ferrous sulphate + folic acid | Tablets     | 200mg + 0.4mg  | Equivalent to 65mg elemental iron     |
| Folic acid                    | Tablets     | 5mg            |                                       |
| Hydroxocobalamin              | Injection   | 1mg/mL         |                                       |
| Iron (ferrous) polymaltose    | Injection   | 100mg/2mL      |                                       |

### 10.2 Medicines affecting coagulation

| MEDICINE        | FORM      | STRENGTH/SIZE            | NOTES  |
|-----------------|-----------|--------------------------|--|
| Enoxaparin      | Injection | 40mg/0.4mL,<br>100mg/1mL |  |
| Phytomenadione  | Injection | 2mg/0.2mL,<br>10mg/1mL   | Vitamin K<br>Injection solution may be used orally |
| Tranexamic acid | Injection | 1g/10mL                  |  |
|                 | Tablets   | 500mg                    |  |
| Warfarin        | Tablets   | 1mg, 5mg                 |  |

### 10.3 Other medicines for haemoglobinopathies

On the recommendation of a Specialist. Ordered on request.

## 11 BLOOD PRODUCTS AND PLASMA SUBSTITUTES

### 11.1 Plasma substitutes

| MEDICINE              | FORM     | STRENGTH/SIZE | NOTES            |
|-----------------------|----------|---------------|------------------|
| Succinylated gelatine | Infusion | 4%            | e.g. Gelofusine® |

## 12 CARDIOVASCULAR MEDICINES

### 12.1 Antianginal medicines

| MEDICINE               | FORM                       | STRENGTH/SIZE         | NOTES |
|------------------------|----------------------------|-----------------------|-------|
| Amlodipine             | Tablets                    | 2.5mg, 5mg, 10mg      |       |
| Diltiazem              | Capsules, modified release | 180mg                 |       |
| Felodipine             | Tablets, modified release  | 2.5mg, 5mg, 10mg      |       |
| Glyceryl trinitrate    | Sublingual spray           | 400mcg                |       |
| Isosorbide mononitrate | Tablets, modified release  | 60mg                  |       |
| Metoprolol             | Injection                  | 5mg/5mL               |       |
|                        | Tablets, modified release  | 23.75mg, 47.5mg, 95mg |       |

### 12.2 Antiarrhythmic medicines and medicines for cardiac arrest

| MEDICINE                 | FORM      | STRENGTH/SIZE         | NOTES  |
|--------------------------|-----------|-----------------------|--|
| Adenosine                | Injection | 6mg/2mL               |  |
| Adrenaline (epinephrine) | Injection | 1:1000, 1mL           |  |
| Amiodarone               | Injection | 150mg/3mL             |  |
|                          | Tablets   | 200mg                 |  |
| Digoxin                  | Injection | 500mcg/2mL            |  |
|                          | Tablets   | 62.5mcg, 250mcg       |  |
| Isoprenaline             | Injection | 0.2mg/mL              | Medical doctors in the management of sustained bradycardia |
| Lidocaine                | Injection | 100mg/5mL             |  |
| Metoprolol               | Injection | 5mg/5mL               |  |
|                          | Tablets   | 23.75mg, 47.5mg, 95mg |  |
| Verapamil                | Injection | 5mg/2mL               |  |

## 12.3 Antihypertensive medicines

| MEDICINE            | FORM                       | STRENGTH/SIZE         | NOTES                                      |
|---------------------|----------------------------|-----------------------|--|
| Amlodipine          | Tablets, modified release  | 2.5mg, 5mg, 10mg      |  |
| Atenolol            | Tablets                    | 50mg                  |  |
| Bendroflumethiazide | Tablets                    | 2.5mg                 | Bendrofluazide                             |
| Candesartan         | Tablets                    | 8mg, 16mg             | Patients unable to tolerate ACE inhibitors |
| Clonidine           | Injection                  | 150mcg                | Theatre & HDU                              |
| Diltiazem           | Capsules, modified release | 180mg                 |  |
| Doxazosin           | Tablets                    | 2mg                   |  |
| Enalapril           | Tablets                    | 5mg, 10mg, 20mg       |  |
| Felodipine          | Tablets, modified release  | 2.5mg, 5mg, 10mg      |  |
| Hydralazine         | Injection                  | 20mg                  |  |
|                     | Tablets                    | 25mg                  |  |
| Labetalol           | Injection                  | 25mg/5mL              |  |
|                     | Tablets                    | 50mg or 100mg         |  |
| Methyldopa          | Tablets                    | 250mg                 |  |
| Metoprolol          | Tablets, modified release  | 23.75mg, 47.5mg, 95mg |  |

## 12.4 Medicines used in heart failure

| MEDICINE            | FORM                      | STRENGTH/SIZE         | NOTES                                      |
|---------------------|---------------------------|-----------------------|--|
| Bendroflumethiazide | Tablets                   | 2.5mg                 | Bendrofluazide                             |
| Candesartan         | Tablets                   | 8mg, 16mg             | Patients unable to tolerate ACE inhibitors |
| Digoxin             | Tablets                   | 62.5mcg, 250mcg       |  |
| Dopamine            | Injection                 | 200mg/5mL             |  |
| Enalapril           | Tablets                   | 5mg, 10mg, 20mg       |  |
| Furosemide          | Injection                 | 20mg/2mL              |  |
|                     | Tablets                   | 40mg                  |  |
| Metoprolol          | Tablets, modified release | 23.75mg, 47.5mg, 95mg |  |
| Spironolactone      | Tablets                   | 25mg                  |  |

## 12.5 Medicines for acute coronary syndromes including unstable angina and myocardial infarctions

### 12.5.1 Antiplatelet agents

| MEDICINE    | FORM                    | STRENGTH/SIZE | NOTES |
|-------------|-------------------------|---------------|-------|
| Aspirin     | Tablets, enteric coated | 100mg         |       |
|             | Tablets, dispersible    | 300mg         |       |
| Clopidogrel | Tablets                 | 75mg          |       |

### 12.5.2 Thrombolytics

| MEDICINE     | FORM      | STRENGTH/SIZE | NOTES |
|--------------|-----------|---------------|-------|
| Tenecteplase | Injection | 50mg          |       |

### 12.5.3 Anticoagulants

| MEDICINE   | FORM      | STRENGTH/SIZE            | NOTES |
|------------|-----------|--------------------------|-------|
| Enoxaparin | Injection | 40mg/0.4mL,<br>100mg/1mL |       |

## 12.6 Lipid lowering agents

| MEDICINE     | FORM                      | STRENGTH/SIZE | NOTES |
|--------------|---------------------------|---------------|-------|
| Atorvastatin | Tablets                   | 20mg, 40mg    |       |
| Bezafibrate  | Tablets, modified release | 400mg         |       |
| Simvastatin  | Tablets                   | 20mg          |       |

## 12.7 Antihypotensive medicines

| MEDICINE      | FORM      | STRENGTH/SIZE | NOTES           |
|---------------|-----------|---------------|-----------------|
| Ephedrine     | Injection | 30mg/1mL      | Controlled Drug |
| Metaraminol   | Injection | 10mg/mL       | Anaesthetist    |
| Noradrenaline | Injection | 4mg/4mL       |                 |

## 13 DERMATOLOGICAL MEDICINES

### 13.1 Topical antifungal medicines

| MEDICINE     | FORM  | STRENGTH/SIZE | NOTES |
|--------------|-------|---------------|-------|
| Clotrimazole | Cream | 1%            |       |

### 13.2 Topical antiinfective medicines

| MEDICINE            | FORM     | STRENGTH/SIZE | NOTES                                       |
|---------------------|----------|---------------|---|
| Microdacyn          | Hydrogel | 60g           |   |
|                     | Solution | 250mL         |   |
| Povidone-iodine     | Ointment | 10%           | 1% available iodine                         |
| Silver sulfadiazine | Cream    | 1%            | For burns; for children $\geq 2$ months old |

### 13.3 Topical antiinflammatory and antipruritic medicines

| MEDICINE                         | FORM   | STRENGTH/SIZE | NOTES |
|----------------------------------|--------|---------------|-------|
| Calamine                         | Lotion |               |       |
| Hydrocortisone (base or acetate) | Cream  | 1%            |       |
| Mometasone                       | Cream  | 0.1%          |       |

### 13.4 Medicines affecting skin differentiation and proliferation

*Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.*

### 13.5 Scabicides and pediculicides

| MEDICINE   | FORM    | STRENGTH/SIZE | NOTES   |
|------------|---------|---------------|---|
| Permethrin | Lotion  | 1%            |   |
| Ivermectin | Tablets | 3mg           | On the recommendation of a Specialist; ordered on request |

### 13.6 Emollients and barrier preparations

| MEDICINE                              | FORM   | STRENGTH/SIZE | NOTES     |
|---------------------------------------|--------|---------------|-----------|
| Cetomacrogol aqueous cream + glycerol | Lotion | 90% + 10%     | Sorbolene |



## 14 DIAGNOSTIC AGENTS

### 14.1 Ophthalmic Preparations

| MEDICINE           | FORM      | STRENGTH/SIZE | NOTES  |
|--------------------|-----------|---------------|--|
| Fluorescein sodium | Strips    | 0.6mg         |  |
| Tetracaine         | Eye drops | 0.5%, 1%      | Minims (single use)<br>Also known as amethocaine |

### 14.2 Radiocontrast media and diagnostics

#### *Contact Radiology*

| MEDICINE   | FORM | STRENGTH/SIZE | NOTES |
|------------|------|---------------|-------|
| Ultrasound | Gel  | 250mL, 5L     |       |

## 15 DISINFECTANTS AND ANTISEPTICS

### 15.1 Antiseptics for use on skin

| MEDICINE        | FORM                  | STRENGTH/SIZE           | NOTES  |
|-----------------|-----------------------|-------------------------|--|
| Chlorine        | Solution for dilution | 0.1% available chlorine | Bleach. See antibiotic guidelines for products and dilution directions |
| Povidone iodine | Ointment              | 10%                     | 1% available iodine  |
|                 | Solution              |                         |  |

### 15.2 Disinfectants

#### 15.2.1 For instruments and surfaces

| MEDICINE                     | FORM     | STRENGTH/SIZE | NOTES       |
|------------------------------|----------|---------------|-------------|
| Ethanol                      | Solution | 70%           |             |
|                              | Wipes    |               |             |
| <i>ortho</i> -Phthalaldehyde | Solution | 0.55%         | e.g. Cidex® |

#### 15.2.2 Skin preparations

| MEDICINE          | FORM       | STRENGTH/SIZE | NOTES                      |
|-------------------|------------|---------------|----------------------------|
| Isopropyl alcohol | Skin wipes | 70%           | Prescriptions not required |

## 16 DIURETICS

| MEDICINE            | FORM      | STRENGTH/SIZE | NOTES          |
|---------------------|-----------|---------------|----------------|
| Bendroflumethiazide | Tablets   | 2.5mg         | Bendrofluazide |
| Furosemide          | Injection | 20mg/2mL      |                |
|                     | Tablets   | 40mg          |                |
| Mannitol            | Infusion  | 20%           |                |
| Spirolactone        | Tablets   | 25mg          |                |

## 17 GASTROINTESTINAL MEDICINES

### 17.1 Antiulcer medicines

| MEDICINE   | FORM                  | STRENGTH/SIZE              | NOTES                    |
|--|-----------------------|----------------------------|--------------------------|
| Aluminium hydroxide + magnesium hydroxide+ simethicone   | Tablets               | 400mg + 400mg + 40mg       | Mylanta Double Strength® |
| Omeprazole   | Capsules              | 20mg                       |                          |
|  | Infusion or injection | 40mg                       |                          |
| Omeprazole+ amoxicillin + metronidazole                  | Capsules and tablets  | 20mg + 500mg + 400mg       | H. pylori eradication    |
| Sodium alginate + sodium bicarbonate + calcium carbonate | Oral Liquid           | 500mg + 267mg + 160mg/10mL | Acidex®                  |

### 17.2 Antiemetic medicines

| MEDICINE         | FORM                    | STRENGTH/SIZE | NOTES             |
|------------------|-------------------------|---------------|-------------------|
| Dexamethasone    | Injection               | 4mg/1mL       |                   |
|                  | Tablets                 | 4mg           |                   |
| Metoclopramide   | Injection               | 10mg/2mL      |                   |
|                  | Tablets                 | 10mg          |                   |
| Ondansetron      | Injection               | 4mg/2mL       |                   |
|                  | Tablets, orodispersible | 4mg           |                   |
| Prochlorperazine | Injection               | 12.5mg        | Intramuscular use |
|                  | Suppositories           | 25mg          |                   |
|                  | Tablets                 | 5mg           |                   |

### 17.3 Gastro-intestinal anti-inflammatory medicines

*Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.*

## 17.4 Laxatives

| MEDICINE   | FORM           | STRENGTH/SIZE  | NOTES  |
|--|----------------|--|--|
| Bisacodyl  | Suppositories  | 10mg   | Brands include Dulcolax® and Lax-Tab®  |
|  | Tablets        | 5mg  |  |
| Docusate + sennosides  | Tablets        | 50mg + 8mg   | Brands include Coloxyl With Senna® and Laxsol®   |
| Glycoprep Orange:<br>macrogol-3350 +<br>sodium chloride +<br>potassium chloride +<br>sodium sulfate<br>Picoprep Orange:<br>sodium picosulfate +<br>magnesium<br>carbonate hydrate +<br>citric acid | Powder sachets | Glycoprep-C:<br>52.9g + 2.6g +<br>740mg +<br>5.6g/70g<br>Picoprep:<br>10.3mg + 7.4g<br>+ 12.2g/20g | Prepkit-Orange®<br>For bowel cleansing prior to surgical<br>procedures.<br>Each box contains one Glycoprep Orange<br>sachet and two Picoprep Orange sachets.<br>Contains Stevia® |
| Lactulose  | Syrup          | 10mg/15mL  |  |
| Macrogol-3350 +<br>potassium chloride +<br>sodium bicarbonate +<br>sodium chloride   | Powder sachet  | 13.12g + 46.6mg<br>+ 178.5mg +<br>350.7mg/13.8 g   | Movicol® for faecal impaction  |
| Sodium citrate +<br>sodium lauryl<br>sulfoacetate + sorbitol   | Enema          | 450mg + 45mg +<br>3.125mg/5mL  | Microlax®  |

## 17.5 Medicines used in diarrhoea

### 17.5.1 Oral rehydration

| MEDICINE               | FORM          | STRENGTH/SIZE | NOTES     |
|------------------------|---------------|---------------|-----------|
| Oral rehydration salts | Powder sachet |               | Enerlyte® |

### 17.5.2 Medicines for diarrhoea in children

| MEDICINE     | FORM                | STRENGTH/SIZE | NOTES  |
|--------------|---------------------|---------------|--|
| Zinc sulfate | Dispersible tablets | 20mg          | Recommended by WHO for use with oral rehydration |

### 17.5.3 Gastrointestinal antimotility agents

| MEDICINE   | FORM                | STRENGTH/SIZE | NOTES                                 |
|------------|---------------------|---------------|---------------------------------------|
| Loperamide | Capsules or tablets | 2mg           | Not for use in a child under 12 years |

## 17.6 Treatment for haemorrhoids

| MEDICINE                              | FORM            | STRENGTH/SIZE | NOTES       |
|---------------------------------------|-----------------|---------------|-------------|
| Cinchocaine +<br>fluocortolone esters | Rectal ointment | 0.5% + 0.187% | Ultraproct® |
|                                       | Suppositories   | 1mg + 1.24mg  |             |

## 17.7 Gastrointestinal antispasmodic medicines

| MEDICINE                 | FORM      | STRENGTH/SIZE | NOTES |
|--------------------------|-----------|---------------|-------|
| Hyoscine<br>butylbromide | Injection | 20mg/1mL      |       |
|                          | Tablets   | 10mg          |       |

# 18 HORMONES, ENDOCRINE AND CONTRACEPTIVE

## 18.1 Adrenal hormones and synthetic substitutes

Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.

## 18.2 Androgens

Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.

## 18.3 Contraceptives

### 18.3.1 Oral hormonal contraceptives

| MEDICINE  | FORM    | STRENGTH/SIZE         | NOTES   |
|---|---------|-----------------------|---|
| Levonorgestrel + ethinyloestradiol + ferrous fumarate | Tablets | 150mcg + 30mcg + 75mg | Microgynon ED®<br>Levlen ED® without ferrous fumarate |
| Levonorgestrel  | Tablets | 30mcg                 | Microlut®   |
|   |         | 1.5mg                 | Emergency contraception                               |

### 18.3.2 Injectable hormonal contraceptives

| MEDICINE                    | FORM            | STRENGTH/SIZE | NOTES         |
|-----------------------------|-----------------|---------------|---------------|
| Medroxyprogesterone acetate | Depot injection | 150mg/1mL     | Depo-Provera® |

### 18.3.3 Intrauterine devices

| MEDICINE      | FORM                 | STRENGTH/SIZE | NOTES |
|---------------|----------------------|---------------|-------|
| Copper T 380A | Intra-uterine device |               |       |

### 18.3.4 Barrier methods

| MEDICINE     | FORM | STRENGTH/SIZE | NOTES |
|--------------|------|---------------|-------|
| Male condoms |      |               |       |

### 18.3.5 Implantable contraceptives

| MEDICINE       | FORM              | STRENGTH/SIZE | NOTES            |
|----------------|-------------------|---------------|------------------|
| Levonorgestrel | Subdermal implant | 75mg/rod      | Pack of two rods |

## 18.4 Insulins and other medicines used for diabetes

| MEDICINE                   | FORM                     | STRENGTH/SIZE              | NOTES   |
|----------------------------|--------------------------|----------------------------|---|
| Gliclazide                 | Tablets                  | 80mg                       |   |
| Glucagon                   | Injection                | 1mg/1mL                    |   |
| Glucose                    | Oral gel, sachet or tube | 15g                        | Maternity or Ambulance  |
| Insulin, isophane          | Injection                | 1000IU/10mL<br>(100IU/1mL) |   |
| Insulin, neutral           | Injection                | 1000IU/10mL<br>(100IU/1mL) |   |
| Insulin, biphasic isophane | Injection                | 1000IU/10mL<br>(100IU/1mL) | Neutral insulin 30IU/1mL + isophane insulin 70IU/1mL<br>e.g. Mixtard® brand |
| Metformin                  | Tablets                  | 500mg, 850mg               |   |

## 18.5 Oestrogens

| MEDICINE              | FORM          | STRENGTH/SIZE  | NOTES       |
|-----------------------|---------------|----------------|-------------|
| Conjugated oestrogens | Tablets       | 0.3mg, 0.625mg | Premarin®   |
| Ethinylestradiol      | Tablets       | 10mcg          | Gynaecology |
| Oestriol              | Vaginal cream | 0.1%           |             |

## 18.6 Ovulation inducers

*Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.*

## 18.7 Progestogens

| MEDICINE       | FORM    | STRENGTH/SIZE | NOTES |
|----------------|---------|---------------|-------|
| Norethisterone | Tablets | 5mg           |       |

## 18.8 Thyroid hormones and antithyroid medicines

| MEDICINE      | FORM    | STRENGTH/SIZE | NOTES |
|---------------|---------|---------------|-------|
| Levothyroxine | Tablets | 50mcg, 100mcg |       |
| Carbimazole   | Tablets | 5mg           |       |



## 19 IMMUNOLOGICAL PREPARATIONS

### 19.1 Diagnostic agents

| MEDICINE                                | FORM      | STRENGTH/SIZE | NOTES                     |
|---|-----------|---------------|---------------------------|
| Tuberculin, purified protein derivative | Injection |               | PPD<br>Contact Laboratory |

### 19.2 Sera and immunoglobulin

| MEDICINE                    | FORM      | STRENGTH/SIZE | NOTES |
|-----------------------------|-----------|---------------|-------|
| Immunoglobulin RHO (anti-D) | Injection | 250IU         |       |
| Hepatitis B immunoglobulin  | Injection | 100IU/1mL     |       |

### 19.3 Vaccines

| MEDICINE  | FORM       | STRENGTH/SIZE | NOTES         |
|---|------------|---------------|---------------|
| BCG   | Injection  |               |               |
| Diphtheria, tetanus, pertussis  | Injection  |               | DTP           |
| Diphtheria, pertussis, tetanus, hepatitis B, haemophilus influenza type b | Injection  |               | Pentavalent   |
| Hepatitis B   | Injection  |               |               |
| Human papillomavirus  | Injection  |               | HPV, 2-valent |
| Influenza   | Injection  |               |               |
| Measles, mumps, rubella   | Injection  |               | MMR           |
| Poliomyelitis   | Injection  |               | IPV           |
|   | Oral drops |               | OPV           |
| Tetanus, diphtheria toxoids   | Injection  |               | Td booster    |

## 20 MUSCLE RELAXANTS

### 20.1 Muscle relaxants for use in surgery

| MEDICINE      | FORM      | STRENGTH/SIZE | NOTES |
|---------------|-----------|---------------|-------|
| Atracurium    | Injection | 50mg/5mL      |       |
| Neostigmine   | Injection | 2.5mg/1mL     |       |
| Rocuronium    | Injection | 4mg/2mL       |       |
| Suxamethonium | Injection | 100mg/2mL     |       |

### 20.2 Other muscle relaxants

| MEDICINE             | FORM    | STRENGTH/SIZE | NOTES                |
|----------------------|---------|---------------|----------------------|
| Orphenadrine citrate | Tablets | 100mg         | Surgeon prescription |

## 21 OPHTHALMOLOGICAL PREPARATIONS

### 21.1 Anti-infective agents for the eye

| MEDICINE        | FORM         | STRENGTH/SIZE | NOTES                  |
|-----------------|--------------|---------------|------------------------|
| Aciclovir       | Eye ointment | 3%            |                        |
| Chloramphenicol | Eye drops    | 0.5%          |                        |
|                 | Eye ointment | 1%            |                        |
| Tobramycin      | Eye drops    | 0.3%          | May be used in the ear |

### 21.2 Anti-inflammatory agents for the eye

| MEDICINE      | FORM      | STRENGTH/SIZE | NOTES                                      |
|---------------|-----------|---------------|--|
| Dexamethasone | Eye drops | 0.1%          | Eye Doctor/Nurse Practitioner prescription |

### 21.3 Local anaesthetics for the eye

| MEDICINE   | FORM      | STRENGTH/SIZE | NOTES  |
|------------|-----------|---------------|--|
| Tetracaine | Eye drops | 0.5%          | Minims (single use)<br>Also known as amethocaine |

### 21.4 Lubricants for the eye

| MEDICINE                  | FORM         | STRENGTH/SIZE | NOTES          |
|---------------------------|--------------|---------------|----------------|
| Lanolin + liquid paraffin | Eye ointment | 3% + 3%       | HDU or Theatre |

### 21.5 Miotics and antiglaucoma medicines

| MEDICINE    | FORM      | STRENGTH/SIZE | NOTES |
|-------------|-----------|---------------|-------|
| Pilocarpine | Eye drops | 1%            |       |
| Timolol     | Eye drops | 0.25%         |       |

### 21.6 Mydriatics

| MEDICINE    | FORM      | STRENGTH/SIZE | NOTES                                 |
|-------------|-----------|---------------|---------------------------------------|
| Atropine    | Eye drops | 1%            | Not for use in a child under 3 months |
| Tropicamide | Eye drops | 0.5%          | For use in a child under 3 months     |

## 22 OXYTOCICS AND ANTIOXYTOCICS

### 22.1 Oxytocics

| MEDICINE                  | FORM      | STRENGTH/SIZE      | NOTES |
|---------------------------|-----------|--------------------|-------|
| Carboprost                | Injection | 250mcg/1mL         |       |
| Misoprostol               | Tablets   | 200mcg             |       |
| Oxytocin                  | Injection | 10IU/1mL           |       |
| Oxytocin +<br>ergometrine | Injection | 5IU +<br>0.5mg/1mL |       |

### 22.2 Antioxytocics (tocolytics)

| MEDICINE            | FORM                         | STRENGTH/SIZE | NOTES   |
|---------------------|------------------------------|---------------|---|
| Nifedipine          | Tablets, modified<br>release | 20mg          | Initial doses should be chewed before<br>swallowing for rapid onset |
| Glyceryl trinitrate | Sublingual spray             | 400mcg/puff   |   |
| Salbutamol          | Injection                    | 5mg/5mL       | For infusion  |

## **23 PERITONEAL DIALYSIS SOLUTION**

*Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.*

## 24 MEDICINES FOR PSYCHIATRIC AND BEHAVIOURAL DISORDERS

### 24.1 Medicines used in psychotic disorders

| MEDICINE    | FORM             | STRENGTH/SIZE | NOTES |
|-------------|------------------|---------------|-------|
| Haloperidol | Injection        | 5mg/1mL       |       |
|             | Injection, depot | 50mg/1mL      |       |
|             | Tablets          | 0.5mg, 5mg    |       |
| Olanzapine  | Tablets          | 10mg          |       |
| Risperidone | Tablets          | 1mg, 2mg, 4mg |       |

### 24.2 Medicines used in mood disorders

#### 24.2.1 Medicines used in depressive disorders

| MEDICINE      | FORM     | STRENGTH/SIZE | NOTES |
|---------------|----------|---------------|-------|
| Amitriptyline | Tablets  | 25mg          |       |
| Fluoxetine    | Capsules | 20mg          |       |
| Paroxetine    | Tablets  | 20mg          |       |

#### 24.2.2 Medicines used in bipolar disorders

| MEDICINE          | FORM                    | STRENGTH/SIZE | NOTES |
|-------------------|-------------------------|---------------|-------|
| Lithium carbonate | Tablets                 | 250mg         |       |
| Sodium valproate  | Tablets, enteric coated | 200mg, 500mg  |       |

### 24.3 Medicines for anxiety disorders

| MEDICINE | FORM    | STRENGTH/SIZE | NOTES |
|----------|---------|---------------|-------|
| Diazepam | Tablets | 5mg           |       |

### 24.4 Medicines used for obsessive compulsive disorders

| MEDICINE   | FORM     | STRENGTH/SIZE | NOTES |
|------------|----------|---------------|-------|
| Fluoxetine | Capsules | 20mg          |       |

### 24.5 Medicines for disorders due to psychoactive substance use

| MEDICINE | FORM              | STRENGTH/SIZE                                 | NOTES |
|----------|-------------------|---|-------|
| Nicotine | Chewing gum       | 2mg, 4mg                                      |       |
|          | Lozenges          | 1mg, 2mg                                      |       |
|          | Transdermal patch | 7mg/24hours,<br>14mg/24hours,<br>21mg/24hours |       |

## 24.6 Medicines for ADHD

| MEDICINE        | FORM    | STRENGTH/SIZE | NOTES   |
|-----------------|---------|---------------|---|
| Methylphenidate | Tablets | 10mg          | Controlled Drug<br>Mental Health or Paediatric Doctor<br>prescription |

## 24.7 Hypnotics

*Not provided by Ministry of Health pharmacies or pharmacy warehouse. Approval for named-patient supply required.*

## 25 RESPIRATORY TRACT MEDICINES

### 25.1 Antiasthma and medicines for chronic obstructive pulmonary disease

| MEDICINE                 | FORM                    | STRENGTH/SIZE                                   | NOTES                    |
|--------------------------|-------------------------|---|--------------------------|
| Adrenaline (epinephrine) | Injection               | 1mg/1mL   |                          |
| Aminophylline            | Injection               | 250mg/10mL                                      |                          |
| Beclometasone            | Metered dose inhaler    | 50mcg/puff,<br>100mcg/puff,<br>250mcg/puff      |                          |
| Budesonide + eformoterol | Metered dose inhaler    | 100mcg +<br>6mcg/puff,<br>200mcg +<br>6mcg/puff | e.g. Vannair®            |
| Ipratropium              | Metered dose inhaler    | 20mcg/puff                                      |                          |
|                          | Nebules                 | 500mcg/2mL                                      |                          |
| Ipratropium + salbutamol | Metered dose inhaler    | 20mcg +<br>100mcg/puff                          |                          |
|                          | Nebules                 | 500mcg +<br>2.5mg/2.5mL                         |                          |
| Salbutamol               | Injection               | 5mg/5mL   | For infusion             |
|                          | Metered dose inhaler    | 100mcg/puff                                     |                          |
|                          | Nebules                 | 5mg/2.5mL                                       |                          |
| Tiotropium               | Capsules for inhalation | 18mcg   | For use with Handihaler® |



## 26 ELECTROLYTE AND FLUID BALANCE PREPARATIONS

### 26.1 Oral preparations

| MEDICINE                   | FORM          | STRENGTH/SIZE | NOTES       |
|----------------------------|---------------|---------------|-------------|
| Oral rehydration salts     | Powder sachet | Various       | Enerlyte®   |
| Potassium chloride         | SR tablets    | 600mg         |             |
| Sodium polystyrene sulfate | Powder        | 999.3mg/g     | Resonium A® |

### 26.2 Parenteral Solutions

| MEDICINE  | FORM      | STRENGTH/SIZE                         | NOTES                        |
|---|-----------|---------------------------------------|------------------------------|
| Compound sodium lactate: sodium lactate + sodium chloride + potassium chloride + calcium chloride dihydrate | Infusion  | 0.322% + 0.6% + 0.04% + 0.027%, 100mL | Hartmann's solution          |
| Glucose   | Infusion  | 5%, 1000mL                            | Isotonic                     |
|   |           | 10%, 500mL                            | Hypertonic                   |
|   | Injection | 50%, 10mL                             |                              |
| Glucose + sodium chloride   | Infusion  | 4.3% + 0.18%, 1000mL                  | Bart's solution              |
| Potassium chloride  | Injection | 7.5%, 10mL                            | Must be diluted prior to use |
|   |           | 22.5%, 20mL                           |                              |
| Sodium bicarbonate  | Injection | 8.4%, 10mL                            |                              |
| Sodium chloride   | Injection | 0.9%, 10mL                            |                              |
|   | Infusion  | 0.9%, 1000mL                          |                              |
|   | Infusion  | 3%, 1000mL                            | Hypertonic                   |

### 26.3 Miscellaneous Solutions

| MEDICINE | FORM      | STRENGTH/SIZE | NOTES   |
|----------|-----------|---------------|---------|
| Water    | Injection | 10mL          | Diluent |

## 27 VITAMINS AND MINERAL PREPARATIONS

Generally, only one form of calcium injection will be stocked at one time, either calcium gluconate, OR if that is not available, calcium chloride.

Generally, only one form of iron tablets will be stocked at one time, either ferrous fumarate OR ferrous sulphate, with or without folic acid.

| MEDICINE  | FORM        | STRENGTH/SIZE                                     | NOTES                                 |
|---|-------------|---|---------------------------------------|
| Calcium carbonate   | Tablets     | 1250mg  | 500mg elemental calcium               |
| Calcium gluconate   | Injection   | 1000mg/10mL<br>(10%)                              | Contains calcium 89mg/10mL            |
| Calcium chloride  | Injection   | 1000mg/10mL<br>(10%)                              | Contains calcium 273mg/10mL           |
| Ferrous fumarate  | Tablets     | 200mg   | Equivalent to 65mg elemental iron     |
| Ferrous fumarate + folic acid   | Tablets     | 310mg + 0.35mg                                    | Equivalent to 100mg elemental iron    |
| Ferrous sulfate   | Oral liquid | 150mg/5mL   | Equivalent to 30mg/5mL elemental iron |
|   | Tablets     | 200mg   | Equivalent to 65mg elemental iron     |
| Ferrous sulphate + folic acid   | Tablets     | 200mg + 0.4mg                                     | Equivalent to 65mg elemental iron     |
| Folic acid  | Tablets     | 5mg   |                                       |
| Hydroxocobalamin  | Injection   | 1mg/1mL   | Vitamin B12                           |
| Iron (ferrous) polymaltose  | Injection   | 100mg/2mL   |                                       |
| Multivitamins: ascorbic acid + cholecalciferol + nicotinamide + retinol + riboflavin + thiamine | Tablets     | 15mg + 7.5mcg + 7.5mg + 860mcg + 500mcg + 1.234mg |                                       |
| Pyridoxine  | Tablet      | 25mg  | Vitamin B6                            |
| Thiamine  | Injection   | 200mg/2mL   | Vitamin B1                            |
|   | Tablet      | 50mg  |                                       |

## 28 EAR, NOSE AND THROAT MEDICINES

| MEDICINE                       | FORM        | STRENGTH/SIZE | NOTES                  |
|--------------------------------|-------------|---------------|------------------------|
| Ciprofloxacin + hydrocortisone | Ear drops   | 0.2% + 1%     |                        |
| Docusate                       | Ear drops   | 0.5%          | e.g. Waxsol® brand     |
| Flumetasone + clioquinol       | Ear drops   | 0.02% + 1%    | Locorten-Vioform®      |
| Tobramycin                     | Eye drops   | 0.3%          | May be used in the ear |
| Xylometazoline                 | Nasal spray | 0.5%, 1%      |                        |

## 29 NEONATAL CARE MEDICINES

### 29.1 Medicines administered to the neonate (neonatal intensive care medicines)

| MEDICINE | FORM                     | STRENGTH/SIZE | NOTES                  |
|----------|--------------------------|---------------|------------------------|
| Glucose  | Oral gel, sachet or tube | 15g           | Maternity or Ambulance |

### 29.2 Medicines administered to the mother

| MEDICINE   | FORM      | STRENGTH/SIZE       | NOTES |
|--|-----------|---------------------|-------|
| Betamethasone acetate + betamethasone sodium phosphate | Injection | 3mg/1mL + 3.9mg/1mL |       |
| Bromocriptine  | Tablets   | 2.5mg               |       |
| Dexamethasone  | Injection | 4mg/1mL             |       |

## 30 RHEUMATOLOGY MEDICINES

See also 8.1 Immunosuppressive medicines for disease modifying treatments for rheumatoid arthritis

### 30.1 Medicines used to treat gout

#### 30.1.1 Medicines for acute gout

| MEDICINE   | FORM                      | STRENGTH/SIZE | NOTES  |
|------------|---------------------------|---------------|--|
| Colchicine | Tablets                   | 0.5mg         | Maximum of 12 tablets per course.<br>Minimum 3 days between courses. |
| Diclofenac | Injection                 | 75mg/3mL      |  |
|            | Tablets, enteric coated   | 50mg          |  |
|            | Tablets, modified release | 75mg          |  |
| Ibuprofen  | Tablets                   | 200mg         |  |
| Naproxen   | Tablets                   | 250mg         |  |
| Prednisone | Tablets                   | 20mg          |  |

#### 30.1.2 Medicine for gout prophylaxis

| MEDICINE    | FORM    | STRENGTH/SIZE | NOTES |
|-------------|---------|---------------|-------|
| Allopurinol | Tablets | 100mg, 300mg  |       |
| Probenecid  | Tablets | 500mg         |       |

## 31 MEDICINES FOR URINARY TRACT CONDITIONS

### 31.1 Urinary Alkalinisation

| MEDICINE  | FORM          | STRENGTH/SIZE                               | NOTES      |
|---|---------------|---|------------|
| Sodium citrate + citric acid + sodium bicarbonate + tartaric acid | Powder sachet | 630mg + 720mg + 1.76g + 890mg per 4g sachet | e.g. Ural® |

### 31.2 Benign Prostatic Hypertrophy

| MEDICINE    | FORM    | STRENGTH/SIZE | NOTES                |
|-------------|---------|---------------|----------------------|
| Doxazosin   | Tablets | 2mg           |                      |
| Finasteride | Tablets | 5mg           | Surgeon prescription |

### 31.3 Urinary Incontinence

| MEDICINE   | FORM    | STRENGTH/SIZE | NOTES |
|------------|---------|---------------|-------|
| Oxybutynin | Tablets | 5mg           |       |

## 32 MISCELLANEOUS

### 32.1 Lubricants

| MEDICINE            | FORM        | STRENGTH/SIZE | NOTES                         |
|---------------------|-------------|---------------|-------------------------------|
| Liquid paraffin     | Sterile oil | 5g per tube   | Surgeon use for skin grafting |
| Lubricating jelly   | Gel         |               |                               |
| ECG electrode jelly | Gel         |               |                               |

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