

OBJECTS AND REASONS

This Bill would validate the publication of the editions of the Barbados National Drug Formulary which were not approved by Order of the Minister, as required by section 5 of the *Drug Service Act*.

Arrangement of Sections

Section

1. Short title.
2. Validation.

BARBADOS

A Bill entitled

An Act to validate the publication of the editions of the Barbados National Formulary which were not approved by Order of the Minister, as required under section 5 of the *Drug Service Act*.

ENACTED by the Parliament of Barbados as follows:

1. This Act may be cited as the *Barbados National Drug Formulary (Validation) Act, 2011*. Short title.

Validation.
Cap. 40A. **2.** All publications of the Barbados National Drug Formulary published in pursuance of the *Drug Service Act*, and matters done in relation thereto from 19th March, 1991 until the commencement of this Act shall be deemed to have been lawfully done and validly performed in accordance with the approval of the Minister under section 5 of the *Drug Service Act*.

S.I. 2011 No.

Drug Service Act
Cap. 40A

**DRUG SERVICE (BARBADOS NATIONAL
DRUG FORMULARY) (APPROVAL) ORDER, 2011**

The Minister, in exercise of the powers conferred on him by section 5(3) of the *Drug Service Act*, makes the following Order:

1. This Order may be cited as the *Drug Service (Barbados National Drug Formulary) (Approval) Order, 2011*.
2. The 29th Edition of the Barbados National Drug Formulary, is approved for publication.
3. The items set out in
 - (a) Part I of the *Schedule* are approved for removal from the Barbados National Drug Formulary and shall not be included in the 29th Edition of the Barbados National Drug Formulary; and Schedule.
 - (b) Part II of the *Schedule* are approved for inclusion in the 29th Edition of the Barbados National Drug Formulary and shall be inserted into the 29th Edition of the Barbados National Drug Formulary. Schedule.

SCHEDULE

(Paragraph 3)

PART I

(Paragraph 3(a))

*Drugs not included in the 29th Edition
of the Barbados National Drug Formulary*

BETAMETHASONE DISODIUM PHOSPHATE

Indications: See Betamethasone.

Dose Range: Adult: I.M. or slow I.V. injection or infusion 4-20mg repeated up to 4 times in 24 hours. *Pediatric:* I.M. or slow I.V. injection: 1-4mg repeated up to 4 times in 24 hours.

Preparations:

Inj. 4mg/ml; 1ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

CHLORAMPHENICOL

Therapeutic Category: Antimicrobial Agent.

Indications: Potentially life threatening infections caused by H. Influenzae. Typhoid fever and serious CNS infections caused by susceptible organisms.

Cautions/Side Effects: Interacts with phenytoin (potentiates) and phenobarbitone, which induces its metabolism. Grey baby syndrome. Avoid repeated or prolonged courses. Reduce dose in renal/hepatic impairment. Check blood count. Administer I.M. only if oral or I.V. form cannot be used. *c.f. prescribing in liver and renal disease p. 11; 25.*

Dose Range: Adult & Pediatric over 2 weeks: Oral, I.M. or I.V. 50-100mg/kg per day in 4 divided doses. *Newborn up to 2 weeks:* 25mg/kg/day in four divided doses.

Preparations:

Capsule, 250mg

Consult the BDS for Supplies. (No Offers to Supply).

Suspension 25mg/ml; 60ml

Consult the BDS for Supplies. (No Offers to Supply).

COAL TAR PREPARATION

Indications: Scaly lesions e.g. psoriasis. Seborrhoeic dermatitis of the scalp.

Cautions/Side Effects: Irritation and sensitivity may occur. **Do not apply to acutely inflamed skin.**

Dose Range: Apply twice daily. **Shampoo:** use once or twice weekly.

Preparations:

Ointment, 40g tube

Consult the BDS for Supplies. (No Offers to Supply).

DISULFIRAN

Indications: Treatment of alcoholism (aversion therapy).

Cautions/Side Effects: Halitosis, nausea, vomiting.

Dose Range: Initially 500mg as a single dose for 1-2 weeks. Maintenance dose 125-500mg/day.

Preparations:

Tablet; 500mg

Consult the BDS for Supplies. (No Offers to Supply).

ERGOMETRINE AND OXYTOCIN

Indications: See Ergometrine Maleate.

Preparations:

Inj. 500mcg E-5 units 0/ml; 1ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

FLUOXYMESTRONE

Indications: Hypergonadism and delayed puberty in males.

Dose Range: 5-20mg daily.

Preparations:

Tablet, 5mg

Consult the BDS for Supplies. (No Offers to Supply).

FRAMYCETIN SULPHATE

Indications: Treatment of bacterial infection in otitis externa and eye infections.

Cautions/Side Effects: Avoid prolonged use.

Dose Range: Apply ointment or instill drops 3-4 times daily.

Preparations:

Eye Ointment, 0.5%; 5g tube

Consult the BDS for Supplies. (No Offers to Supply).

HYOSCINE HYDROBROMIDE (SCOPOLAMINE)

Indications: For mydriasis and severe uveitis.

Cautions/Side Effects: Contraindicated in persons with glaucoma or a tendency towards glaucoma. Mental confusion may occur with a single drop.

Dose Range: 1 or 2 drops 2-4 times daily.

Preparations:

Eye Drops; 0.25%, in hypromellose 0.5%; 5ml Bottle

Consult the BDS for Supplies. (No Offers to Supply).

MECHLORETHAMINE HCL (B)

Therapeutic Category: Alkylating agent.

Cautions/Side Effects: Nausea, vomiting, thrombocytopenia.

Preparations:

Inj. 0.5mg/ml; 20ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

MEPIVACAINE HYDROCHLORIDE

Inj. 1%, 50ml vial

Consult the BDS for Supplies. (No Offers to Supply).

Inj. 2%; 50ml vial

Consult the BDS for Supplies. (No Offers to Supply)

METHOXAMINE HYDROCHLORIDE

Indications: Hypotension in anaesthesia.

Cautions/Side Effects: Headache, hypertension, bradycardia.

Dose Range: 5-20mg i.m. or 5-10mg slow i.v. (Rate: 1mg/min).

Preparations:

Inj. 20mg/ml; 1ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

NANDROLENE DECANOATE

Therapeutic Category: Anabolic Steroid

Indications: Osteoporosis in postmenopausal women; aplastic anaemia.

Cautions/Side effects: Virilization.

Dose Range: Intramuscular:Adults and Pediatrics 14 years and over: women: 50-100mg every week; men: 100-200mg every week. Pediatrics 2-13 years: 25-50mg every 3-4 weeks.

Preparations:

Inj. i.m.50mg/ml; 1ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

NEOMYCIN-POLYMYXIN B PREPARATION

Indications: Local treatment of infections, particularly pseudomonas when proven or suspected.

Dose Range: Administer eye drops or eye ointment 2-4 times daily.

Preparations:

Eye Drops	
Polymyxin B	10000 units/ml
Neomycin Sulphate	1.75 mg/ml
Gramicidin	0.025 mg/ml
Per ml, 10ml bottle	

Consult the BDS for Supplies. (No Offers to Supply).

Eye Ointment	
Polymyxin B	10000 units/g
Bacitracin	400 units/g
Neomycin Sulphate	3.5 mg
Per g, 3.5g tube	

Consult the BDS for Supplies. (No Offers to Supply).

NYSTATIN

Therapeutic Category: Antifungal agent.

Indications: For yeast infections; treatment of oral and vaginal candidiasis, and prophylaxis of intestinal candidiasis.

Cautions/Side Effects: Nausea, vomiting, diarrhoea (tablets), vaginal irritation.

Dose Range: Adult: 500,000-1 million units 3-5 times daily. **Pessary/Cream:** Insert/apply twice daily for 14 days. **Suspension:** 4-6mls 4 times daily. **Pediatric:** Premature and low birth weight infants 100,000 units 4 times daily; 200,000-600,000 units 4 times daily in older children. Retain suspension around in mouth for as long as possible, then swallow. Take after food.

Preparations:

Vaginal Cream, 25,000 units/g, 60g tube
Consult the BDS for Supplies. (No Offers to Supply).

OXYTETRACYCLINE

Indications: Local treatment of infections, especially chlamydial.

Dose Range: Apply 1-2 times daily.

Preparations:

Eye Ointment, 5mg/g; 5g tube.

Consult the BDS for Supplies. (No Offers to Supply).

PHENOBARBITONE (B) (Cross Ref. under Sedatives- Hypnotics p. 327).

Therapeutic Category: Long acting barbiturate.

Indications: Grand mal and focal seizures. Less potent but easier to manage than phenytoin.

Cautions/Side Effects: Avoid sudden withdrawal. Drowsiness, paradoxical excitement and restlessness in children and the elderly. Skin rashes. *c.f. prescribing in liver and renal disease p. 16; 34*

Dose Range: 60-180mg at night in a single dose.

Preparations:

Elixir, 3.2mg/ml

Consult the BDS for Supplies. (No Offers to Supply).

PROCHLORPERAZINE (Cross Ref. under Anti-emetics on p. 383).

Therapeutic Category: Phenothiazine antiemetic. Non psychotic anxiety.

Indications: Minimum use in psychiatry. Anti-emetic.

Cautions/Side Effects: *c.f. prescribing in liver and renal disease p. 17; 35. See chlorpromazine*

Dose Range: Psychiatry: 25-100mg daily in divided doses. **Anti-emetic:** 5-10mg 2-3 times daily.

Preparations:

Syrup 1mg/ml; 100ml

Consult the BDS for Supplies. (No Offers to Supply).

PYRIMETHAMINE

Indications: Prophylaxis of malaria, toxoplasmosis. Should not be used as monotherapy.

Preparations:

Tablet, 25mg

Consult the BDS for Supplies. (No Offers to Supply).

RITODRINE

Therapeutic Category: Potent Beta-2 stimulant.

Indications: Premature labour; fetal asphyxia due to hypertonic uterine action.

Cautions/Side Effects: Diabetes mellitus (monitor blood sugar during intravenous treatment); pre-eclampsia. Nausea, vomiting; tachycardia and hypotension with high doses.

Dose Range: iv-premature labour: start with 50mcg/minute and gradually increase to 150-350mcg/minute and continue for 12-48 hours after contractions have ceased. I.M-10mg every 3-8 hours continued for 12-48 hours after contractions have ceased. By mouth, 10mg 30 minutes before termination of intravenous infusion repeated every 2 hours for 24 hours, followed by 10-20mg every 4-6 hours, maximum 120mg daily. Fetal asphyxia due to hypertonic uterine action -by i.v. fusion, 50mcg/minute increased as necessary to a maximum of 350mcg/minute.

Preparations:

Tablet, 10mg

Consult the BDS for Supplies. (No Offers to Supply).

Inj. 10mg/ml; 5ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

SODIUM AUROTHIOMALATE

Indications: Selected cases of acute rheumatoid arthritis in adults and juveniles.

Cautions/Side Effects: Systemic lupus erythematosus. Toxic reactions, dermatitis, pruritus, erythema nodosum. *c.f. prescribing in liver and renal disease p. 17; 36.*

Preparations:

Inj. 20mg/ml; 0.5 ml Amp.
Consult the BDS for Supplies. (No Offers to Supply).

Inj. 40mg/ml; 0.5ml Amp.
Consult the BDS for Supplies. (No Offers to Supply).

Inj. 100mg/ml; 0.5ml Amp.
Consult the BDS for Supplies. (No Offers to Supply).

SODIUM CALCIUM EDETATE

Indications: Lead poisoning.

Cautions/Side Effects: Anuria. Nephrotoxicity. Renal and hepatic disease.

Dose Range: Adults and Pediatric: 40mg/kg twice daily in N/S or 5% i.v. glucose infusion for up to 5 days, repeated if necessary after 48 hours.

Preparations:

Inj. 20%, 5ml Amp.
Consult the BDS for Supplies. (No Offers to Supply).

SPECTINOMYCIN

Therapeutic Category: Antimicrobial agent.

Indications: Gram negative organisms, including N. gonorrhoea. Sole indication is penicillin resistant gonorrhoea or in penicillin allergic patients.

Cautions/Side Effects: G. I. upset, dizziness, urticaria and fever, injection site pain and rash.

Dose Range: i.m: 2g in men. 4g in women.

Preparations:

Inj. pdr for reconstitution, 400mg/ml, 5ml vial.
Consult the BDS for Supplies. (No Offers to Supply).

THEOPHYLLINE (B)

Therapeutic Category: Methylxanthine.

Indications: Relief and/or prophylaxis of asthma and reversible bronchospasm. Patients unresponsive to salbutamol inhaler and/ or tablets, or who cannot use bronchodilator inhalers, or in severe asthmatics where combination with salbutamol may be useful.

Cautions/Side Effects: Patients should take medication at the same time each morning. Look for end of dose symptoms. Headache, insomnia, restlessness, tremor tachycardia. G.I. upset especially nausea and vomiting. c.f. prescribing in liver disease p. 18.

Dose Range: Liquid:- Adult: 2-4 tps 3 to 4 times daily; **Pediatric:** 1-1½ tps 3 to 4 times daily. **Sustained release:-** 100-300mg daily as a single dose, occasionally more for Theo-24. 250mg (one tablet) twice daily for Nuelin SA, drug levels valuable when high doses are used.

Preparations:

Liquid, 12mg/ml

Consult the BDS for Supplies. (No Offers to Supply).

THIAMINE HYDROCHLORIDE (B1)

Dose Range: 100-300mg daily.

Preparations:

Inj. 100mg/ml; 1ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

THIOGUANINE (B)

Therapeutic Category: Purine analogue.

Cautions/Side Effects: c.f. prescribing in renal disease p. 38.

Preparations:

Tablet, 40mg

Consult the BDS for Supplies. (No Offers to Supply).

TRIPLE SULFA VAGINAL CREAM

Indications: Treatment of vaginitis and cervicitis.

Cautions/Side Effects: Local irritation may occur.

Dose Range: Insert high into the vagina twice daily for 10 days.

Preparations:

Triple Sulfa Vaginal Cream	
Sulfathiazole	3.42%
Benzoylsulfanilamide	3.7%
Sulfacetamide	2.86%

Consult the BDS for Supplies. (No Offers to Supply).

TUBOCURARINE CHLORIDE

Indications: Prototype non-depolarising muscle relaxant.

Cautions/Side Effects: Rash due to histamine release. Onset of action associated with hypotension.

Dose Range: I.V. 15-30mg with further 5-10mg doses as necessary.

Preparations:

Inj. Miscible 10mg/ml; 1ml Amp.

Consult the BDS for Supplies. (No Offers to Supply).

PART II

(Paragraph 3(b))

*Drugs to be added to the 29th Edition
of the Barbados National Drug Formulary*

ASPIRIN

Therapeutic Category: Nonsteroidal anti-inflammatory salicylate.

Indications: Mild to moderate pain and fever, myocardial and stroke prophylaxis.

Caution/Side Effects: May cause G.I. bleeding, irritation, rashes, bronchospasm, nasal polyps. Contraindicated with G.I. ulceration, anticoagulants, bleeding disorders, gout. May cause G.I. bleeding when taken with alcohol. Overdose causes vomiting and tinnitus. Caution is advised with use of the drug in children and adolescents with viral illness due to possible increased risk of Reye's syndrome. *c.f. prescribing in liver and renal disease p. 11; 23.*

Dose Range: 300-900mg every 46 hours as necessary. Usual maximum 4g daily. Not suitable for children under one year. Soluble or E.C. may be best for chronic use. *See protocol pg. viii section 2 (iii) and (iv) for maximum reimbursable quantities.*

Preparations:

Tablet, 325mg

*Aspirin (RIM/PHA); 0.0194 per Tab. (240)

ATAZANAVIR

Therapeutic Category: Protease Inhibitor

Indications: HIV-1 infection in treatment-naive and treatment-experienced adults and pediatric patients 6 years of age or older.

Cautions/Side Effects: Rash, abdominal pain, diarrhea, nausea, unconjugated hyperbilirubinemia, headache, lactic acidosis.

Dose Range: Adult: Atazanavir 300mg/ ritonavir 100mg once daily with food.

Preparations:

Tablet, 300mg

*Atazanavir (RBX/BKL); 32.6767 per Tab.

BUPIVACAINE HYDROCHLORIDE

Indications: Used in epidural analgesia. Especially in obstetrics. Contraindicated in intravenous regional anesthesia (Bier's block). 0.75% solution is contra-indicated for epidural block in obstetrics.

Cautions/Side Effects: Highly toxic effects include convulsions, respiratory and cardiac arrest in overdose.

Dose Range: Maximum dose of 150-175mg in a 4 hour period. High therapeutic index.

Preparations:

Inj. 2.5mg/ml; 10ml vial

***Bupivacaine (ANT/COL); 3.0950 per vial**

CANDESARTAN/HYDROCHLOROTHIAZIDE (B)

Therapeutic Category: Angiotensin II receptor antagonist; hydrochlorothiazide is a diuretic.

Indications: Mild-to-severe hypertension in patients responding poorly to diuretic or other monotherapy. Its main use is in patients who cannot tolerate ACE inhibitors.

Cautions/Side Effects: Respiratory tract infection, back pain, dizziness, and flu-like symptoms. Rises in serum creatinine and liver enzymes have occurred in some patients. *See protocol pg. xii section 6.*

WADA Status: As for Bisoprolol/HCTZ.

Dose Range: In hypertension, the usual dose of the combination product is 16 or 32 milligrams candesartan plus 12.5mg hydrochlorothiazide once daily.

Preparation:

Tablet, 32mg/C/12.5mg H

***Atacand Plus (AZN/BRY); 1.6061 per Tab. (30)**

CLOTRIMAZOLE

Therapeutic Category: Imidazole antifungal.

Indications: Topical antifungal.

Caution/Side effects: Skin irritation.

Dose Range: Apply twice daily. Gently massage cream into the affected area. See protocol pg. x section 4.

Preparations:

Ear Drops, 1%

*Candid (GLP/ARM); 3.3600 per Bottle. (1 Bottle)

DIAGNOSTIC, BLOOD GLUCOSE (B)

Indications: Blood glucose monitoring. **The BDS will only reimburse for one bottle of 50's every two months. BDS will not reimburse for autodisc sensors 100's per bottle. The BDS will only reimburse for patients on antidiabetic medication.**

Preparations:

Diagnostic strips

*Ascencia Breeze Glucose Strip (BYC/ARM); 54.9900 per Pack. (1)

DIMERCAPROL

Therapeutic Category: Chelating agent

Indications: Acute arsenic, inorganic or elemental mercury, gold and inorganic lead poisoning.

Cautions/Side Effects: Nausea, vomiting, headache, paresthesias, tingling of the hands, sweating, abdominal pain.

Dose Range: 2-5mg/kg by deep IM injection every 4 hours for 2 days, then 2-4 times on the third day and 1-2 times daily thereafter for 10 days or until complete recovery occurs.

Preparations:

Inj. 10%

*Dimercaprol (STR/BKL); 245.0140 per vial.

SIMETHICONE

Indications: For symptomatic treatment of gastrointestinal distress due to entrapment of gas. Colic in children.

Dose Range: Pediatric: 0.5-1ml after each meal.

Preparations:

Drops, Dimethicone 50mg/ml; 100ml Bottle
***Dewind (CAM/SBI); 3.0000 per Bottle. (1 Bottle)**

EFAVIRENZ/TENOFOVIR/EMTRICITABINE

Therapeutic Category: Antiretroviral Agent

Indications: HIV infection

Cautions/Side Effects: Lactic acidosis and severe hepatomegaly with steatosis, including fatal cases, have been reported with the use of nucleoside analogues in combination with other antiretrovirals.

Dose Range: 1 tablet once daily on an empty stomach; not recommended for pediatric patients younger than 18 years.

Preparations:

Tablet 600mg Ef/300mg T/200mg Em
***Atripla (MSD/STO); 6.7036 per Tab.**
***Efavirenz/Tenofovir/Emtricitabine 600/300/200 (HEA/ALA); 3.3303 per Tab.**

EMTRICITABINE/TENOFOVIR

Therapeutic Category: Antiretroviral Agent

Indications: HIV infection

Cautions/Side Effects: Lactic acidosis and severe hepatomegaly with steatosis, including fatal cases, have been reported with the use of nucleoside analogues in combination with other antiretrovirals. Emtricitabine/tenofovir should not be used as part of a triple nucleoside regimen. Emtricitabine/tenofovir should not be coadministered with its individual components (i.e, emtricitabine or tenofovir) or with drugs containing lamivudine.

Dose Range: 1 tablet once daily with or without food; not recommended for pediatric patients younger than 18 years.

Preparations:

Tablet 200mg E / 300mg T

*Emitricitabine/Tenofovir 200/300 (APL/BRY); 1.5473 per Tab.

ERYTHROMYCIN

Therapeutic Category: Macrolide antibiotic.

Indications: Infections caused by most gram positive bacteria with limited usefulness in staphylococcal infections. Alternative to penicillin in hypersensitive patients. Drug of choice for Legionnaires disease. Chlamydial infections in children, pregnant and nursing mothers.

Cautions/Side Effects: Nausea, vomiting, abdominal cramps. *c.f. prescribing in liver and renal disease p. 13; 29*

Dose Range: Adult: Stearate or base: 250-500mg every 6 hours or 500mg every 12 hours to a maximum of 4g per day. **May take with food to lessen stomach upset.** Injection: 15-20 mg/kg/day up to 4g/day. **Pediatric 1 month-2 years:** 125mg four times a day, **2-8 years** 250mg four times a day. Doses doubled for severe infections. **400mg ethylsuccinate is equivalent to 250mg base, estolate or stearate.** *See protocol pg. vii section 1.*

Preparations:

Estolate

Suspension, 50mg/ml

*Erythromycin (BON/COL); 0.0718 per mL. (300mls)

Ethylsuccinate

Suspension, 25mg/ml

*Erythromycin (CAM/SBI); 0.0302 per mL (300mls)

ESOMEPRAZOLE

Therapeutic Category: Proton Pump Inhibitor

Indications: Treatment of gastric and duodenal ulcers, reflux oesophagitis and Zollinger Ellison Syndrome.

Cautions/Side Effects: See under *Cimetidine*. Headaches. **Not recommended in children less than 12 years.**

Dose Range: 20-40mg once daily as I.V. injection or I.V. infusion over 10-30 minutes. Therapy should not exceed 10 days.

Preparations:

Inj, 40mg

*Nexium (AZN/BRY); 17.1030 per vial

FLUOCINOLONE/CLOTRIMAZOLE

Indications: Inflammatory dermatoses.

Cautions/Side Effects: Apply sparingly.

Dose Range: Apply twice daily.

Preparations:

Ointment, 0.3%F/1%C

*Flucort (GLP/ARM); 2.8300 per Tube. (2 Tubes)

IPRATROPIUM BROMIDE

Therapeutic Category: Anticholinergic agent

Indications: Nasal inhalation of ipratropium is effective for symptomatic relief of rhinorrhea associated with allergic and non-allergic perennial rhinitis, and rhinitis associated with the common cold.

Cautions/Side Effects: Nasal dryness, epistaxis and pharyngitis, dry mouth and bitter taste. **Not recommended in children under six (6) years.**

Dose Range: Adult and Pediatrics six (6) years and older: 2 sprays in each nostril 2-3 times daily.

Preparation: Nasal spray, 42 mcg

***Ipratropium (CIP/BLK); 8.5600 per Bottle (1 Bottle)**

IRBESARTAN/HYDROCHLOROTHIAZIDE (B)

Therapeutic Category: Angiotensin II Receptor Antagonist/Thiazide.

Indications: Hypertension, not initial therapy.

Cautions/Side Effects: Angioedema (face, lips, throat), Rhabdomyolysis, nausea, vomiting, abdominal pain, flu-like symptoms. Do not use in pregnancy. Risk in breast feeding is unknown. **WADA Status: As for Bisoprolol/HCTZ.**

Dose Range: Adult: Hypertension: Initial 150mg irbesartan/12.5mg HCTZ once daily. Allow 2-4 weeks to achieve maximal antihypertensive effect. **Maintenance:** 300mg irbesartan/12.5mg HCTZ. *See protocol pg. xii section 6.*

Preparations:

Tablet, 300mg I/25mg H

***Co-Aprovel (SFA/COL); 1.1300 per Tab. (30)**

LINDANE

Indications: Treatment of scabies and pediculosis.

Caution/Side Effects: Lindane should only be used in patients who cannot tolerate or have failed first-line treatment with safer medications for the treatment of scabies. Seizures and deaths have been reported following lindane use. Risk of serious neurotoxicity when used in infant, children, the elderly, individuals with other skin conditions (e.g, atopic dermatitis, psoriasis), and in those who weigh less than 110 lbs (50kg). Lindane is contraindicated in premature infants and individuals with known uncontrolled seizure disorders. Instruct patients on the proper use of lindane.

Dose Range: Adult weighing greater than 50kg (110 lbs). **Lice Infestation:** Apply 1 ounce of shampoo to clean, dry hair: DO NOT use more than 2 ounces; leave on for 4 minutes, add water and lather, then rinse. **Scabies:** Apply 1 ounce of cream/lotion to entire body from the neck down for 8 to 12 hours then rinse; DO NOT use more than 2 ounces.

Preparations:

Cream, 1%

*Scaboma (GLP/ARM); 4.8000 per 15g Tube. (2 Tubes)

Emulsion, 25%

*Scaboma (GLP/ARM); 0.0480 per ml. (100mls)

LOPINAVIR/RITONAVIR

Therapeutic Category: A fixed dose combinations of 2 protease inhibitors.

Indications: In combination with other antiretrovirals for the treatment of HIV-infection.

Cautions/Side Effects: Headache, fatigue, diarrhoea and nausea. Increased blood lipids and infrequent cases of pancreatitis have been reported. As with other protease inhibitors, lipodystrophy syndrome (i.e., increased blood glucose, redistribution of body fat) is possible. **Store solution at room temperature but refrigerate capsules.**

Dose Range: Adults and Pediatric 12 years and older: Lopinavir 400/100 milligrams (mg) (lopinavir/ritonavir, respectively) twice daily taken with food. A dose increase to 533/133 mg twice daily is recommended when lopinavir/ritonavir is taken concomitantly with efavirenz, nevirapine, amprenavir, or nelfinavir. The recommended dose for children 7 to 14 kilograms (kg) is 12/3 mg/kg (lopinavir/ritonavir, respectively) twice daily. The recommended dose for children 15 to 40 kg is 10/2.5 mg/kg. A dose increase to 13/3.25 mg/kg (7 to 14 kg), 11/2.75 mg/kg (15 to 45 kg), and 533/133 mg (over 45 kg) is recommended when lopinavir/ritonavir is taken concomitantly with efavirenz, nevirapine, or amprenavir.

Preparations:

Tablet, 200mg L/50mg R

*Kaletra (ABB/PHA); 5.8318 per Tab.

*Lopinavir/Ritonavir (APL/BRY); 1.2119 per Tab.

*Ritocom (HET/BMI); 0.7986 per Tab.

METRONIDAZOLE/MICONAZOLE

Therapeutic Category: Nitroimidazole Antibiotic/Antifungal

Indications: Bacterial Vaginosis, Trichomonal Vaginitis, Vaginal Candidiasis

Cautions/Side Effects: Vaginal burning, irritation. Not to be used during pregnancy particularly the first 3 months. Avoid alcohol during and for at least 24-48 hours after treatment.

Dose Range: One ovule inserted vaginally at night for 7 nights.

Preparations:

Vaginal Ovule

*Gynotran (BSP/BKL); 12.0000 per Pack. (1 Pack)

*Gynotran (BSP/COL); 12.0000 per Pack. (1 Pack)

*Gynotran (BSP/LAS); 12.0000 per Pack. (1 Pack)

Vaginal Cream

*Gynotran (BSP/BKL); 11.4600 per Pack. (1 Pack)

*Gynotran (BSP/COL); 11.4600 per Pack. (1 Pack)

*Gynotran (BSP/LAS); 11.4600 per Pack. (1 Pack)

NATEGLINIDE

Therapeutic Category: Meglitinide hypoglycemic agent.

Indications: Treatment of Type 2 Diabetes Mellitus alone or in combination with metformin or a thiazolidinedione.

Cautions/Side Effects: Hypoglycemia, diarrhea, dyspepsia, nausea, urticaria, upper respiratory infection and flu symptoms. It should not be used in patients with Type 1 diabetes. Drug Interactions: Drugs which increase the risk of hypoglycemia. Gemfibrozil, Guar Gum, Psyllium and St. John's Wort. **Do not use in combination with Sulfonylureas.**

Dose Range: 60-120mg three times daily. *See protocol pg. xiii section 9.*

Preparations:

Tablet, 120mg

*Starlix (NVS/COL); 0.7849 per Tab. (90) (Public Sector use only)

NEOMYCIN PREPARATIONS, TOPICAL

Indications: Treatment of skin infections. Gram +ve organisms- Bacitracin Tyrothricin.

Cautions/Side Effects: When possible, sensitivity of the organism should be determined before treatment, as resistant organisms are common. May cause frequent sensitisation, especially in prolonged use in leg ulcers. Gram -ve organisms- Neomycin, Polymycin, Polymixin.

Dose Range: Apply 3 times daily to infected areas.

Preparations:

Neomycin

*Neomycin (CAM/SBI); 1.0500 per Tube. (2 Tubes)

PARACETAMOL (ACETAMINOPHEN)

Therapeutic Category: Analgesic, antipyretic.

Indications: Mild to moderate pain, fever.

Cautions/Side Effects: May develop liver damage in overdose or with prolonged very high dosage. **Take on empty stomach.**

Dose Range: **Oral:** 0.5-1g to a maximum of 4g daily. **Pediatric:** 0-11 months 40-80mg, 1-5 years 120-240mg, 6-12 years 250-500mg. Dosage may be repeated every 4-6 hours. **Rectal:** Adult over 12 years 0.5-1g, Child 1-5 years 125-250mg, 6-12 years 250-500mg. Dosage may be repeated every 4-6 hours. *See protocol on pg. viii. section 1 and 2.*

Preparations:

Tablet, 500 mg

*Las - Paracetamol (CIP/LAS) ; 0.0178 per Tab. (180)

*Pacimol (IPC/BRY); 0.0154 per Tab. (180)

*Paracetamol (CIP/BKL); 0.0181 per Tab. (180)

*Paracetamol (HEA/ALA); 0.0176 per Tab. (180)

Syrup, 24 mg/ml Alcohol Free

Consult the BDS for supplies. (No offers to Supply).

Suspension, 32mg/ml

*Panadol (GSK/COL); 0.0448 per ml. (300 mls)

Syrup, 32 mg/ml Alcohol Free

*Aramol (CAR/COL); 0.0290 per ml (300 mls)

*Paracetamol (WOC/BKL); 0.0408 per ml (300 mls)

Suppository, 125 mg

*Paracetamol (SCN/PHA); 0.2295 per suppos. (10)

Suppository, 325mg

*Paracetamol (DNB/BKL); 1.6508 per Suppos. (10)

Suppository 250 mg

Consult the BDS for supplies. (No Offers to Supply)

S-AMLODIPINE/ATORVASTATIN*Therapeutic Category:* HMG-COA Reductase Inhibitor//Calcium Channel Blocker Combination.*Indications:* Dyslipidemias with hypertension and stable angina.*Cautions/Side Effects:* Use cautiously in patients with liver disease, pregnancy and lactation. Avoid in persons with acute myocardial infarction, cardiac dysrhythmia, rhabdomyolysis.

NOTE: S-Amlodipine is the S-enantiomer of Amlodipine. It is found to be equal in its effect and tolerably compared to racemate amlodipine. It provides the active CCB component at half the dose. It has a longer plasma half-life and less incidence of peripheral oedema.

S-Amlodipine/Atorvastatin 2.5/10mg is equivalent to Amlodipine/Atorvastatin 5mg/10mg. S-Amlodipine/Atorvastatin 5/10mg is equivalent to Amlodipine/Atorvastatin 10/10mg.

Dose Range: 2.5-5mg daily.*Preparations:*

Tablet 2.5mg AB/10mg AC

*Numlotor (EMC/COL); 0.1749 per Tab. (30)

Tablet 5mg AB/10mg AC

*Numlotor-5(EMC/COL); 0.2557 per Tab. (30)

S-AMLODIPINE (B)

Therapeutic Category: See Amlodipine.

Indications: See Amlodipine.

Cautions/Side Effects: See Amlodipine.

Dose Range: 2.5-5mg once daily.

Note: S-Amlodipine is the S-enantiomer of amlodipine. It is found to be equal in its effect and tolerably compared to racemate amlodipine. It provides the active CCB component at half the dose. It has a longer plasma half-life and less incidence of peripheral oedema. S-Amlodipine 2.5mg is equivalent to Amlodipine 5mg. S-Amlodipine 5mg is equivalent to Amlodipine 10mg.

Preparations:

Tablet, 2.5mg

*Asomex (EMC/COL); 0.1347 per Tab. (30)

Tablet, 5mg

*Asomex (EMC/COL); 0.2243 per Tab. (30)

S-ATENOLOL

Therapeutic Category: See Atenolol.

Indications: See Atenolol.

Cautions/Side Effects: See Atenolol.

Dose Range: Initial dose 12.5mg once a day gradually increased to 50mg once a day.

Note: S-Atenolol is the s-enantiomer of Atenolol. It provides the beta-1 blocker (CARDIAC) component at half the racemate dose with fewer side effects. S-Atenolol 25mg is equivalent to Atenolol 50mg. S-Atenolol 50mg is equivalent to Atenolol 100mg.

Dose Range: 12.5-50mg once daily.

Preparations:

Tablet, 25mg

***Atpure (EMC/COL); 0.0750 per Tab.**

Tablet, 50mg

Atpure (EMC/COL); 0.1038 per Tab.*S-METOPROLOL SUCCINATE (B)***Therapeutic Category:* See Metoprolol.*Indications:* See Metoprolol.*Cautions/Side Effects:* See Metoprolol.*Dose Range:* 25-100mg once a day.

Note: S-Metoprolol is the enantiomer of Metoprolol. It provides the beta-1 blocker component at half the racemate dose. Safer in poor metabolizers of CYP2D6. S-Metoprolol 23.75mg is equivalent to Metoprolol 50mg. S-Metoprolol 47.5mg is equivalent to Metoprolol 100mg.

Dose Range: 12.5-100mg once daily.*Preparations:*

Tablet Extended Release 23.75mg

***Metpure (EMC/COL); 0.1211 per Tab.**

Tablet Extended Release 47.5mg

Metpure (EMC/COL); 0.1749 per Tab.*TELMISARTAN/HYDROCHLORTHIAZIDE (B)***Therapeutic Category:* Angiotensin II receptor antagonist.*Indications:* For the treatment of hypertension. It may be used alone or in combination with other antihypertensive agents.*Cautions/Side Effects:* Headache, diarrhoea, fatigue and nausea. **WADA Status: Banned in and out of competition.**

Dose Range: Initially one tablet daily maintain at 1-2 tablets daily.
See protocol pg. xii section 6.

Preparations:

Tablet, 80mg T/25mg H
***MicardisPlus (BOE/STO); 1.1900 per Tab. (30)**

TERBINAFINE

Therapeutic Category: Allylamine antifungal agent.

Indications: Fungal infections, including Tinea versicolor.

Cautions/Side Effects: Local burning, pruritus and contact dermatitis. **Should not be used for more than 2 weeks.**

Dose Range: Apply once daily to affected areas. Rub in small amount. **SHOULD NOT BE USED FOR MORE THAN 2 WEEKS.**

Preparations:

Ointment, 1%
***Terbix (UNP/COL); 1.5100 per Tube. (2 Tubes)**

VACCINE, TETANUS TOXOID

Preparations:

Inj. 10 dose vial
***Tetavax (AVP/COL); 13.0000 per vial.**

VALSARTAN/HYDROCHLORTHIAZIDE (B)

Therapeutic Category: A nonpeptide angiotensin II receptor antagonist.

Indications: Treating essential hypertension. Valsartan is indicated for the treatment of heart failure in patients who are intolerant of angiotensin - converting enzyme (ACE) inhibitors. The drug is being studied for use in left ventricular hypertrophy.

Cautions/Side Effects: Headache, dizziness, viral infection, upper respiratory tract infection, cough, diarrhea, drowsiness, rhinitis, sinusitis, backache, stomach ache, nausea, pharyngitis and joint pain. The drug is contraindicated in pregnancy. *See protocol pg. xii section 6.*

Dose Range: Hypertension: The recommended oral dose is 80mg once daily, with or without food. The dose may be increased to 160mg daily if initial response is insufficient. Maximum effect is observed after 4 weeks of therapy. **Heart Failure:** Initial dose is 40mg twice daily, with titration to 80-160mg twice daily as tolerated. *See protocol pg. xii section 6.*

Preparations:

Tablet, 320mg Valsartan/25mg HCTZ
*Codiovan (NVS/COL); 1.1493 per Tab.

Tablet, 320mg Valsartan/12.5mg HCTZ
*Codiovan (NVS/COL); 1.1493 per Tab.

ZUCLOPENTHIXOL

Indications: Schizophrenia acute psychosis mania, exacerbation of chronic psychosis. May be suitable for agitated or aggressive patients who may become overexcited with flupentixol.

Cautions/Side Effects: Sedation, dry mouth, nausea, extrapyramidal reactions, vomiting, dizziness, constipation, mental depression. *c.f. prescribing in liver and renal disease p. 18; 38.*

Dose Range: Adult: Initially 15-30mg/day increased every 2-3 days by 10-15mg. Maintenance doses of 20-40mg are suggested.

2.5-5mg/day in elderly demented patients for agitation and aggression. **I.M:** 50-150mg every 48-72 hours.

Preparations:

Inj. 25mg/ml; 2ml Amp.
*Zuclopenthixol (WOC/BKL); 24.2500 per vial.

Made by the Minister this day of
2011.

Minister responsible for Health