

## PINDAAN/TAMBAHAN KEPADA FORMULARI UBAT KKM (FUKKM) BIL. 3 TAHUN 2021

BIL.	NAMA UBAT	LAMPIRAN
<b>TAMBAHAN INDIKASI</b>		
1.	<i>Budesonide 160 mcg and Formoterol 4.5 mcg Inhalation</i>	<a href="#">A1</a>
<b>TAMBAH FORMULASI</b>		
1.	<i>Calcipotriol monohydrate 50mcg/g &amp; Betamethasone Dipropionate 0.5mg/g Cutaneous Foam</i>	<a href="#">A2</a>
2.	<i>Mesalazine 1200mg Gastro-Resistant Prolonged Release Tablets</i>	
3.	<i>Ibuprofen Suspension 100mg/5ml</i>	
4.	<i>Mirtazapine 30mg Tablet</i>	
5.	<i>Ferrous Iron (elemental iron <math>\geq</math> 100mg), Vitamin &amp; Mineral Capsule</i>	
<b>PINDAAN KATEGORI PRESKRIBER</b>		
1.	<i>Perindopril 4mg &amp; Indapamide 1.25mg Tablet (A/KK <math>\rightarrow</math> B)</i>	<a href="#">A3</a>
<b>PEMANSUHAN UBAT</b>		
1.	Senarai Ubat-Ubat yang Dimansuhkan daripada FUKKM	<a href="#">A4</a>
<b>PENGEMASKINIAN MAKLUMAT UBAT DALAM FUKKM</b>		
1.	<b>Pengemaskinian Maklumat Indikasi dan Dos bagi:</b> A. <i>Angiotensin Converting Enzyme Inhibitors (ACEis)</i> B. <i>Angiotensin receptor blockers (ARBs) – Single active Ingredient</i> C. <i>Angiotensin receptor blockers (ARBs) – Fixed drug combination</i> D. <i>Beta blockers</i> E. <i>Statins</i>	<a href="#">B1</a>
2.	<b>Pengemaskinian FUKKM: Senarai Khas Ubat/Sediaan yang Disediakan oleh Fasilitas &amp; Tidak Berdaftar dengan PBKD</b> <ul style="list-style-type: none"> <li>• Sediaan-sediaan yang merangkumi: <ul style="list-style-type: none"> <li>i. sediaan tidak mempunyai produk komersial &amp; disediakan oleh fasiliti KKM</li> <li>ii. disinfektan yang tidak berdaftar dengan PBKD</li> </ul> </li> </ul>	<a href="#">B2</a>

## INDIKASI BARU YANG DILULUSKAN PENYENARAIAN KE DALAM FUKKM

BIL.	MAKLUMAT UBAT	INDIKASI BARU	KETERANGAN UBAT
1.	<p><i>Budesonide 160 mcg and Formoterol 4.5 mcg Inhalation</i></p> <p><u>Kos/unit (RM):</u> RM 70.17 /120 puffs RM 20.00 /30 puffs</p> <p><u>Kategori preskriber:</u> A/KK</p>	<p><i>As a reliever treatment for mild asthma patients who do not adhere to regular inhaled corticosteroid</i></p> <p><u>Prescribing Restriction:</u> - None</p>	<p><u>Dose:</u> <b>Asthma reliever-only therapy:</b> 160 mcg as needed, but no more than 960 mcg to be taken on any single occasion.</p> <p>Children &lt;12 yr: Not recommended</p> <p>Refer MOHMF for other information.</p>

## TAMBAHAN FORMULASI YANG DILULUSKAN PENYENARAIAAN KE DALAM FUKKM

BIL	UBAT SEDIA ADA DALAM FUKKM	FORMULASI BARU	KETERANGAN UBAT
1.	Calcipotriol hydrate 50mcg/g/ Betamethasone Dipropionate 0.5mg/g Ointment	Calcipotriol monohydrate 50mcg/g & Betamethasone Dipropionate 0.5mg/g Cutaneous Foam  <u>MDC:</u> D05AX52-946-L62-01-XXX  <u>Kos/unit (RM):</u> RM 236.50/canister of 60g  <u>Kategori preskriber:</u> A*	<u>Approved Indication(s):</u> Resistant plaque psoriasis  <u>Prescribing restriction:</u> Second line topical treatment when unresponsive to topical steroid and coal tar.  <u>Dose:</u> Apply once daily up to 4 weeks with maximum daily dose of 15g and maximum treatment area 30% of body surface.  <u>Precaution(s):</u> Local skin reactions. Not to be used in facial & genital skin. Effects on endocrine system & calcium metabolism, visual disturbances, concomitant skin infections, guttate psoriasis. May cause irritation due to butylhydroxytoluene. Limit or avoid excessive exposure to either natural or artificial sunlight. Long-term use. Avoid application under occlusive dressings, on large areas of damaged skin, mucous membranes or skin folds, accidental transfer to face, mouth & eyes, abrupt treatment discontinuation, concurrent use with other steroids. Severe renal & hepatic impairment. Pregnancy & lactation.  <u>Adverse reaction(s):</u> Calcipotriol: Application site & hypersensitivity reactions, pruritus, skin irritation, burning & stinging sensation, dry skin, erythema, rash, dermatitis, aggravated psoriasis, photosensitivity.

BIL	UBAT SEDIA ADA DALAM FUKKM	FORMULASIBARU	KETERANGAN UBAT
			<p><i>Betamethasone: Skin atrophy, telangiectasia, striae, folliculitis, hypertrichosis, perioral &amp; allergic contact dermatitis, depigmentation, colloid milia, generalised pustular psoriasis.</i></p> <p><u>Contraindication(s):</u>  <i>Hypersensitivity, erythrodermic &amp; pustular psoriasis, calcium metabolism disorders, presence of viral (e.g., herpes or varicella) skin lesions, fungal or bacterial skin &amp; parasitic infections, skin TB manifestations, perioral dermatitis, atrophic skin, striae atrophicae, skin veins fragility, ichthyosis, acne vulgaris &amp; rosacea, rosacea, ulcers, wounds in treatment area.</i></p> <p><u>Interaction(s):</u>  <i>No interaction studies have been performed.</i></p>
2.	<p>i. Mesalazine 500mg Modified Release Tablet</p> <p>ii. Mesalazine 250mg Modified Release Tablet</p>	<p>Mesalazine 1200mg, Gastro-Resistant, Prolonged Release Tablets</p> <p><u>MDC:</u> A07EC02-000-T55-01-XXX</p> <p><u>Kos/unit (RM):</u> RM 120.00/box (RM 2.00/ tablet)</p> <p><u>Kategori preskriber:</u> A*</p>	<p><u>Approved Indication(s):</u>  <i>In patients with mild to moderate active ulcerative colitis:</i></p> <p>i. <i>For the induction of clinical and endoscopic remission</i></p> <p>ii. <i>For the maintenance of remission</i></p> <p><u>Prescribing Restriction(s):</u> - None</p> <p><u>Dose:</u>            Adults:            i. <i>Induction of remission: 2.4 to 4.8g once daily.</i>            ii. <i>For maintenance of remission: 2.4g once daily.</i></p> <p><u>Precaution(s):</u>  <i>Hypersensitivity to sulphasalazine. Discontinue use if blood dyscrasias or acute intolerance syndrome is suspected.</i> Cardiac</p>

BIL	UBAT SEDIA ADA DALAM FUKKM	FORMULASIBARU	KETERANGAN UBAT
			<p><i>hypersensitivity reactions (myo- &amp; pericarditis), organic or functional upper GI tract obstruction, chronic lung function impairment especially asthma. Monitor renal function prior to &amp; at least twice-yearly during treatment. Ensure adequate fluid intake. Mild to moderate renal impairment. Hepatic impairment. Pregnancy &amp; lactation.</i></p> <p><u>Adverse reaction(s):</u>  <i>Headache, hypertension, abdominal distension &amp; pain, colitis, diarrhoea, dyspepsia, vomiting, flatulence, nausea, abnormal liver function test, pruritus, rash, arthralgia, back pain, asthenia, fatigue, pyrexia.</i></p> <p><u>Contraindication(s):</u>  <i>Hypersensitivity to mesalazine, salicylates. Severe renal impairment (GFR &lt;30mL/min/1.73m<sup>2</sup>) and/or severe hepatic impairment.</i></p> <p><u>Interaction(s):</u>  <i>NSAIDs, azathioprine, 6-mercaptopurine, coumarin-type anticoagulants, False elevated test results with urinary normetanephrine.</i></p>
3.	<p><i>i. Ibuprofen Tablet 200mg</i>  <i>ii. Paracetamol Syrup 120mg/5ml</i></p>	<p><i>Ibuprofen Suspension 100mg/5ml</i></p> <p><u>MDC:</u>  <i>M01AE01-000-L80-01-XXX</i></p> <p><u>Kos/unit (RM):</u>  <i>Tidak melebihi RM 0.04/ml</i></p> <p><u>Kategori preskriber:</u>  <i>B</i></p>	<p><u>Approved Indication(s):</u>  <i>i. Anti-inflammatory for rheumatic disease</i>  <i>ii. Analgesic for treatment of mild to moderate pain</i></p> <p><u>Prescribing Restriction(s):</u>  <i>Not indicated in fever due to infection.</i></p> <p><u>Dose:</u></p>

BIL	UBAT SEDIA ADA DALAM FUKKM	FORMULASIBARU	KETERANGAN UBAT
			<p>Children: 5 - 10 mg/kg/dose (max 2.4 gm/day) every 6-8 hourly. Not recommended for &lt;7kg.</p> <p><u>Precaution(s):</u> Asthma, bronchospasm, bleeding disorder, hypertension, cardiac impairment, SLE. Risk of GI ulceration, bleeding &amp; perforation. Renal &amp; hepatic impairment Children &lt;6 months.</p> <p><u>Adverse reaction(s):</u> GI disturbances, headache, dizziness, nervousness, tinnitus, depression, drowsiness, insomnia, rash, fatigue.</p> <p><u>Contraindication(s):</u> Hypersensitivity to other NSAIDs or aspirin, peptic ulcer, severe heart, liver and renal failure, bleeding tendency, ulcerative colitis, Crohn's disease, GI haemorrhage.</p> <p><u>Interaction(s):</u> Oral anticoagulants, lithium, methotrexate, cardiac glycosides, ACE inhibitors, <math>\beta</math>-blockers, diuretics, quinolones, phenytoin, sulfonyleurea, corticosteroids, other NSAIDS, aspirin, anti-platelet, zidovudine, aminoglycosides.</p>
4.	<p>i. Mirtzapine 15 mg Orodispersible Tablet</p> <p>ii. Mirtzapine 30 mg Orodispersible Tablet</p>	<p>Mirtzapine 30mg Tablet</p> <p><u>MDC:</u> N06AX11-000-T32-01-XXX</p> <p><u>Kos/unit (RM):</u> Harga pasaran</p> <p><u>Kategori preskriber:</u> A*</p>	<p><u>Approved Indication(s):</u> Major depression</p> <p><u>Prescribing Restriction(s):</u> - None</p> <p><u>Dose:</u> Initial: 15mg daily at bedtime Maintenance: 15-45mg daily</p>

BIL	UBAT SEDIA ADA DALAM FUKKM	FORMULASIBARU	KETERANGAN UBAT
			<p><i>Dosing is individualised and according to product insert/protocol.</i></p> <p><u>Precaution(s):</u>  <i>Patient with suicidal ideation, bipolar disorder, known or history of seizure disorder, benign prostatic hyperplasia, paralytic ileus, urinary retention, visual disturbances, volume depletion, diabetes mellitus, CV or cerebrovascular disease, risk factors for QT prolongation, hypotension, angle-closure glaucoma, increased intraocular pressure. Dehydrated patients. Renal and hepatic impairment                      Pregnancy and lactation.</i></p> <p><u>Adverse reaction(s):</u>  <i>Akathisia, anticholinergic effects (e.g. blurred vision, constipation, xerostomia), arrhythmia, agranulocytosis, hyperlipidaemia, hyponatraemia, increased sedation, increased risk of suicidal ideation, angle-closure glaucoma, orthostatic hypotension, increased transaminase levels, increased appetite, weight gain.</i></p> <p><u>Contraindication(s):</u>  <i>Hypersensitivity to the active substance or to any of the excipients.                      Concomitant use of mirtazapine with monoamine oxidase (MAO) inhibitors.</i></p> <p><u>Interaction(s):</u>  <i>Benzodiazepines, MAOIs, TCAs, triptans, amphetamine, buspirone, fentanyl, lithium, tramadol, warfarin,azole antifungals, erythromycin and nefazodone.</i></p>

BIL	UBAT SEDIA ADA DALAM FUKKM	FORMULASIBARU	KETERANGAN UBAT
5.	Pre/Post Natal Vitamin & Mineral Capsule	<p><u>Approved to add new formulation:</u> Ferrous iron (elemental iron <math>\geq</math> 100mg), vitamin &amp; mineral Capsule</p> <p><u>MDC:</u> B03AE02-903-C10-01-XXX</p> <p><u>Kos/unit (RM):</u> RM0.13/capsule</p> <p><u>Kategori preskriber:</u> B</p>	<p><u>Approved Indication(s):</u> i) Iron deficiency anaemia ii) Nutritional deficiency anaemia and anaemia associated with pregnancy, worm infestation etc. iii) Prophylaxis against iron deficiency and megaloblastic anaemia of pregnancy during the second and third trimester of pregnancy</p> <p><u>Prescribing Restriction(s):</u> - None</p> <p><u>Dose:</u> 1 capsule daily</p> <p><u>Precaution(s):</u> Patients with peptic ulcer, post-gastrectomy patients, folate-dependent tumours, microcytic anaemia. Undesirable to be used during 1st trimester of pregnancy.</p> <p><u>Adverse reaction(s):</u> Gastrointestinal discomfort, anorexia, nausea, vomiting, constipation, diarrhoea, darkening of stools</p> <p><u>Contraindication(s):</u> Known hypersensitivity to the product, vitamin B12 deficiency, paroxysmal nocturnal haemoglobinuria, haemosiderosis, haemochromatosis, active peptic ulcer, repeated blood transfusion, regional enteritis and ulcerative colitis.</p> <p><u>Interaction(s):</u> Antacids, penicillamine, antibiotics, methotrexate, anticonvulsants, oral chloramphenicol.</p>

PINDAAN KATEGORI PRESKRIBER YANG DILULUSKAN BAGI UBAT-UBATAN YANG TERSENARAI DALAM  
FUKKM

BIL.	NAMA GENERIK	KETERANGAN PINDAAN
1.	Perindopril 4mg & Indapamide 1.25mg Tablet	<p><i>Change in the prescriber category from A/KK to B</i></p> <p><u>Kos/unit (RM):</u> RM 0.36 /tab (Kontrak Kerajaan)</p> <p><u>Prescribing restriction:</u> None</p>

## UBAT-UBATAN YANG DIMANSUHKAN DARIPADA FUKKM

BIL	NAMA GENERIK	JUSTIFIKASI PEMANSUHAN	ALTERNATIF DALAM FUKKM
1.	Betamethasone Disodium Phosphate a) 0.1% Ear Drops b) 0.5% Ear Drops	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018	Tiada
2.	Betamethasone Disodium Phosphate 0.1% Eye Drops	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	1. Prednisolone Acetate 1% Ophthalmic Suspension 2. Fluorometholone 0.1% Ophthalmic Suspension
3.	Betamethasone Disodium Phosphate 0.1% Eye Ointment		Dexamethasone, Neomycin Sulphate and Polymyxin B Eye Ointment
4.	Boric Acid with Spirit 2% w/v Ear Drops		1. Ofloxacin 0.3% otic solution 2. Polymyxin B Sulphate 10,000 U, Neomycin Sulphate 5 mg and Hydrocortisone 10 mg Ear Drops
5.	Bromocriptine Mesilate a) 5mg Tablet b) 10mg Tablet		Bromocriptine Mesilate 2.5mg Tablet
6.	Calcipotriol 50 mcg/ml Scalp Solution		1. Calcipotriol 50 mcg/g Cream 2. Calcipotriol monohydrate 50 mcg/g and Betamethasone dipropionate 0.5 mg/g Gel 3. Calcipotriol monohydrate 50mcg/g & Betamethasone Dipropionate 0.5mg/g Cutaneous Foam 4. Calcipotriol hydrate 50mcg/g / Betamethasone Dipropionate 0.5mg/g Ointment
7.	Gadopentetate Dimeglumine 469 mg/ml		1. Tiada produk berdaftar 2. Pendaftaran dibatalkan pada tahun 2018 kerana mempunyai kesan neurologikal berbahaya dan risiko yang telah dikenalpasti sebelum ini seperti <i>Nephrogenic Systemic Fibrosis</i> (NSF).
8.	Hyoscine Hydrobromide 400 mcg/ml Injection	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	1. Atropine Sulphate 1mg/ml Injection 2. Glycopyrrolate 200 mcg/ml Injection
9.	Indomethacin 100 mg Suppository		Diclofenac 12.5mg, 25mg & 50mg Suppository
10.	Iodamide Injection		1. Iohexol Injection 2. Iopamidol Injection

TERHAD - Edaran dalaman sahaja

BIL	NAMA GENERIK	JUSTIFIKASI PEMANSUHAN	ALTERNATIF DALAM FUKKM
11.	Ketoprofen 50 mg/ml Injection		Diclofenac Sodium 75 mg/3ml Injection
12.	Labetalol 200mg Tablet	1. Tiada produk berdaftar sejak 2019 2. Tren penggunaan menurun 3. Terdapat alternatif dalam FUKKM	Labetalol HCl 100 mg Tablet
13.	Mesalazine 250 mg Suppository	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2020 3. Terdapat ubat alternatif dalam FUKKM (dos adalah 1g <i>once daily</i> )	1. Mesalazine 500mg Suppository 2. Mesalazine 1g Suppository
14.	Mitomycin C 0.002% Eye Drops	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	1. Mitomycin C 0.02% Eye Drops 2. Mitomycin C 0.04% Eye Drops
15.	Nandrolone Decanoate 25 mg/ml Injection	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018	Tiada
16.	Norfloxacin 0.3% Eye Drops	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	1. Ciprofloxacin HCl 0.3% Ophthalmic Solution 2. Levofloxacin 0.5% Ophthalmic solution 3. Moxifloxacin 0.5% Ophthalmic Solution
17.	Nystatin 100,000 units/g Ointment		Nystatin 100,000 units/g Cream
18.	Phenylephrine HCl 10% Eye Drops		Phenylephrine HCl 2.5% Eye Drops
19.	Phyllanthus Niruri Extract 250 mg Capsule		Essential Phospholipids, nicotinamide, cyanocobalamine, tocopheryl, pyridoxine, thiamine, riboflavine capsule.
20.	Policresulen 360 mg/g Concentrate	Tiada data penggunaan sejak 2018	Tiada
21.	Salicylic Acid 1 - 2% in Hydrocortisone 1% Ointment	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	1. Salicylic Acid 2% Lotion 2. Salicylic Acid 2 - 10% Ointment 3. Sulphur 2% & Salicylic Acid 2% Cream
22.	Tioconazole 100 mg Vaginal Tablet	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM 4. Tidak digunakan dalam praktis semasa (tidak tersenarai dalam National Antimicrobial Guidelines 2019)	Clotrimazole 500 mg Vaginal Tablet

TERHAD - Edaran dalaman sahaja

BIL	NAMA GENERIK	JUSTIFIKASI PEMANSUHAN	ALTERNATIF DALAM FUKKM
23.	Vecuronium Bromide a) 10 mg/10 ml Injection b) 4mg/ml Injection	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	1. Rocuronium Bromide 10 mg/ml Injection 2. Pancuronium Bromide 2 mg / ml Injection
24.	Vitamin A & D (Cod Liver Oil)	1. Tiada produk berdaftar 2. Tiada data penggunaan sejak 2018 3. Terdapat alternatif dalam FUKKM	Alfacalcidol 2 mcg/ml Drops
25.	Vitamin A & D Concentrate 25,000 units/0.6ml Liquid		
26.	Vitamin B Complex 10 ml Injection		Multivitamin Injection
27.	Vitamin B1, B6, B12 Injection		
28.	Vitamin E, B12, B6, Nicotinamide Tablet		1. Multivitamin tablet 2. Meclozine HCl 25 mg and Pyridoxine 50 mg Tablet 3. Pyridoxine HCl 10 mg Tablet

Justifikasi pengemaskinian: To streamline indications and dosage with the Drug Control Authority (DCA) indications and product insert  
(Pindaan dalam warna **BIRU**)

**A. Angiotensin Converting Enzyme Inhibitors (ACEis)**

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
1.	<b>Captopril 25mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL	i) Hypertension ii) Congestive heart failure iii) Post-myocardial infarction iv) Diabetic <b>nephropathy</b>	i) Hypertension ii) Congestive heart failure iii) Post-myocardial infarction iv) Diabetic <b>kidney disease</b>	i) <b>Initially 12.5 mg twice daily.</b> Maintenance: 25-50 mg 2 - 3 times daily, <b>may be increased to maximum 450 mg/day in divided doses</b> ii) <b>Initially 6.25 - 12.5 mg 3 times daily, increase after several days to 25 - 50 mg 3 times daily</b> iii) <b>Start 3 days after MI Initially 6.25 mg daily, gradually increased to 37.5 mg daily in divided doses. May increase after several week to 150 mg/day in divided doses if needed and tolerated</b> iv) <b>75 - 100 mg daily in divided dose.</b>	i) <b>Initial: 25-75mg in 2-3 divided doses</b> <b>Maintenance: 100-150mg in 2-3 divided doses</b> ii) <b>Initial: 6.25-12.5mg 2-3 times daily</b> <b>Maintenance: 75-150mg daily in divided doses</b> iii) <b>Initial: 6.25mg followed by 12.5mg and then 25mg</b> <b>Maintenance: 75-150mg daily in 2-3 divided doses</b> iv) <b>75-100 mg in divided doses</b>  <b>Dosing is individualised and according to product insert / protocol.</b>
2.	<b>Enalapril 5mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL	i) Hypertension ii) <b>Congestive</b> heart failure	i) Hypertension ii) Heart failure iii) <b>Prevention of coronary ischemic events in patients with left ventricular dysfunction</b>	i) <b>Initially 5 mg daily, (ELDERLY 2.5 mg once daily), usual maintenance dose 10 - 20 mg daily. Maximum: 40 mg/day in 1 - 2 divided doses</b>  ii) <b>Initially 2.5 mg daily, usual maintenance dose 20 mg daily in 1 - 2 divided doses, maximum: 40 mg/day</b>	i) <b>Initial: 5mg once daily.</b> <b>Maintenance: 10-20mg once daily</b> <b>Max. 40mg daily in 1-2 divided doses</b>  ii) & iii) <b>Initial: 2.5mg once daily</b> <b>Maintenance: 20mg in 1-2 divided doses</b> <b>Max. 40mg daily in 2 divided doses</b>  <b>Dosing is individualised and according to product insert / protocol.</b>
3.	<b>Enalapril 10mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL				
4.	<b>Enalapril 20mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: Kontrak Pusat				

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
5.	Perindopril 4mg Tablet  Kategori Preskriber: B Kaedah perolehan: APPL	i) Hypertension ii) Stable coronary artery disease iii) Congestive heart failure	i) Hypertension ii) Stable coronary artery disease iii) Heart failure	i) 4 mg as single dose, may be increased to a single 8 mg dose. ELDERLY: Start treatment with 2 mg dose. In renal insufficiency, dose should be adapted according to creatinine clearance  ii) 4 mg once daily for 2 weeks, may be increased to 8 mg once daily. ELDERLY: 2 mg once daily for 1 week, then 4 mg once daily for the following week, may be increased up to 8 mg once daily  iii) Single starting oral dose of 2 mg should be increased to a single 4 mg once BP acceptability has been demonstrated.	i) & ii) Initial: 4mg once daily Max. 8mg daily  iii) Initial: 2mg once daily Maintenance: 4mg once daily  Dosing is individualised and according to product insert / protocol.
6.	Ramipril 2.5mg Tablet  Kategori Preskriber: A Kaedah perolehan: LP	i) Hypertension and congestive heart failure ii) Post-myocardial infarction iii) Reducing risk of myocardial infarction, stroke or cardiovascular death in diabetics or patients with increased cardiovascular risks	i) Hypertension ii) Congestive heart failure iii) Reducing the risk of myocardial infarction, stroke, cardiovascular death or revascularisation procedures in high-risk patients iv) Prevention of progressive renal impairment in patients with persistent proteinuria	i) Hypertension: Initially 2.5 mg once daily, increased at intervals of 1 - 2 weeks to maximum 10 mg once daily, Congestive heart failure: Initially 1.25 mg once daily. Max: 10 mg/day  ii) Initially 2.5 mg twice daily for 2 days then increased to maximum 5 mg twice daily  iii) Initially 1.25 - 2.5 mg once daily, increased to 5 mg once daily after 1 week, maximum dose: 10 mg once daily after 3 weeks	i) Initial: 2.5mg once daily Maintenance: 2.5-5mg once daily Max. 10mg daily in 1-2 divided doses  ii) Initial: 1.25mg once daily Maintenance: 10mg in 2 divided doses  iii) Initial: 2.5mg twice daily Maintenance: 5mg twice daily Max: 10mg daily  iv) Initial: 1.25mg once daily Maintenance: 5mg once daily  Dosing is individualised and according to product insert / protocol.
7.	Ramipril 5mg Tablet  Kategori Preskriber: A Kaedah perolehan: LP				

## B. Angiotensin receptor blockers (ARBs) – Single active Ingredient

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
1.	Losartan 50mg Tablet  Kategori Preskriber: B Kaedah perolehan: Kontrak Pusat	Patients intolerant of ACE inhibitors, <i>only in the treatment of</i> i) Hypertensive patient with left ventricular hypertrophy ii) Hypertension in diabetics with proteinuria or nephropathy	Patients intolerant to ACE inhibitors in: i) Hypertensive patient with left ventricular hypertrophy ii) Type 2 Diabetes Mellitus with chronic kidney disease iii) Hypertension	Hypertension: Usual starting and maintenance dose: 50 mg once daily. Maximum increasing the dose to 100 mg once daily. Patients with intravascular volume-depletion starting dose of 25 mg once daily. Renal protection in Type 2 diabetic patients with proteinuria and hypertension, starting dose: 50 mg once daily, may be increased to 100 mg once daily based on blood pressure response	i), ii) & iii) Initial: 50mg once daily Max: 100mg once daily  Dosing is individualised and according to product insert / protocol.
2.	Losartan 100mg Tablet  Kategori Preskriber: B Kaedah perolehan: Kontrak Pusat			Usual starting dose: 50 mg once daily. May be increased to 100 mg once daily.	
3.	Telmisartan 40mg Tablet  Kategori Preskriber: A/KK Kaedah perolehan: Kontrak Pusat	Hypertension in patients who cannot tolerate ACE inhibitors because of cough	Patients intolerant to ACE inhibitors in: i) Hypertension ii) Reduction of the risk of myocardial infarction, stroke, or death from cardiovascular causes in patients 55 years or older at high risk of developing major cardiovascular events who are unable to take ACE inhibitors	40mg - 80mg once daily	i) 40mg - 80mg once daily. Max: 160mg daily ii) 80mg once daily
4.	Telmisartan 80mg Tablet  Kategori Preskriber: A/KK Kaedah perolehan: Kontrak Pusat	i) Hypertension in patients who cannot tolerate ACE inhibitors because of cough  ii) Reduction of the risk of myocardial infarction, stroke, or death from cardiovascular causes in patients 55 years or older at high risk of developing major cardiovascular events who are unable to take ACE inhibitors		i) 40mg - 80mg once daily ii) 80mg once daily	Dosing is individualised and according to product insert / protocol.

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
5.	<b>Valsartan 80mg Tablet</b>  <b>Kategori Preskriber:</b> A/KK <b>Kaedah perolehan:</b> Kontrak Pusat	Patients who cannot tolerate ACE inhibitors because of cough in: i) Heart failure ii) Post myocardial infarction iii) Hypertension	Patients intolerant to ACE inhibitors in: i) Heart failure ii) Post myocardial infarction iii) Hypertension	i) 40 mg twice daily. Uptitration to 80 mg and 160mg twice daily. Max: 320 mg in divided doses.  ii) 20 mg twice daily increased over several weeks to 160mg twice daily if tolerated.  iii) 80mg or 160mg once daily, titrate as needed based on patient response up to 320mg /day	i) Initial: 40mg twice daily. Titrate up to highest tolerated dose. Max: 320mg daily in divided doses  ii) Initial: 20mg twice daily Titrate up to 160mg over next few weeks. Max: 160mg twice daily iii) 80mg or 160mg once daily Max: 320mg daily  Dosing is individualised and according to package insert / protocol.
6.	<b>Valsartan 160mg</b>  <b>Kategori Preskriber:</b> A/KK <b>Kaedah perolehan:</b> Kontrak Pusat	Patients who cannot tolerate ACE inhibitors because of cough, in i) Heart failure ii) Post myocardial infarction		i) 40 mg twice daily. Uptitration to 80 mg and 160mg twice daily. Max: 320 mg in divided doses.  ii) 20 mg twice daily increased over several weeks to 160mg twice daily if tolerated.	

## C. Angiotensin receptor blockers (ARBs) – Fixed drug combination

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
1.	Losartan/Hydrochlorothiazide 50/12.5mg Tablet  Kategori Preskriber: A/KK Kaedah perolehan: Kontrak Pusat	Hypertension in patients who cannot tolerate ACE inhibitors because of cough, hypertensive patient with left ventricular hypertrophy	i) Hypertension in patients intolerant to ACE inhibitors ii) Hypertensive patient with left ventricular hypertrophy	1 tablet once daily, may increase to maximum dose losartan 100 mg/ hydrochlorothiazide 25 mg once daily	i) & ii) Initial: Losartan/Hydrochlorothiazide 50/12.5mg once daily Max: Losartan/Hydrochlorothiazide 100/25mg once daily
2.	Losartan/Hydrochlorothiazide 100/12.5mg Tablet  Kategori Preskriber: A* Kaedah perolehan: LP			Fixed dose combination is not indicated for initial therapy.  i. Usual starting & maintenance dose: 1 tab of losartan & HCTZ 50/12.5 mg once daily. May be increased to 2 tab of losartan & HCTZ 50/12.5 mg or 1 tab of losartan & HCTZ 100/25mg once daily if blood pressure remain uncontrolled after about 3 weeks of combination therapy with losartan & HCTZ 50/12.5mg. Max: 1 tab of losartan & HCTZ 100/25mg once daily or 2 tab of Losartan & HCTZ 50/12.5 mg once daily.	Dosing is individualised and according to product insert / protocol.
3.	Losartan/Hydrochlorothiazide 100/25mg Tablet  Kategori Preskriber: A* Kaedah perolehan: LP			ii. Usual starting dose: 50 mg losartan once daily, may be titrated with a combination of losartan 50mg & HCTZ 12.5 mg, maybe substituted with losartan 100mg & HCTZ 12.5mg, followed by losartan 100 mg & HCTZ 25 mg once daily.	

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
4.	<b>Telmisartan /Hydrochlorothiazide 80/12.5mg Tablet</b>  <b>Kategori Preskriber: A/KK</b> <b>Kaedah perolehan: Kontrak Pusat</b>	Hypertension in patients who cannot tolerate ACE inhibitors because of cough	Hypertension in patients intolerant to ACE inhibitors	1 tablet once daily	Initial: Telmisartan/Hydrochlorothiazide 80mg/12.5mg once daily Max: Telmisartan/Hydrochlorothiazide 160/25mg once daily Dosing is individualised and according to product insert / protocol.
5.	<b>Valsartan/Hydrochlorothiazide 80/12.5mg Tablet</b>  <b>Kategori Preskriber: A/KK</b> <b>Kaedah perolehan: Kontrak Pusat</b>	Hypertension in patients who cannot tolerate ACE inhibitors because of cough			Initial: Valsartan/Hydrochlorothiazide 80/12.5mg once daily Max: Valsartan/Hydrochlorothiazide 320/25mg once daily
6.	<b>Valsartan/Hydrochlorothiazide 160/12.5mg Tablet</b>  <b>Kategori Preskriber: A/KK</b> <b>Kaedah perolehan: LP</b>	Treatment of essential hypertension			Dosing is individualised and according to product insert / protocol.

## D. Beta Blockers

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
1.	Carvedilol 6.25mg Tablet  Kategori Preskriber: A/KK Kaedah perolehan: LP	Treatment of stable moderate to severe congestive cardiac failure in addition to ACEI's and diuretics	i) Treatment of all patients with stable and symptomatic, mild, moderate and severe chronic heart failure in combination with ACEis and diuretics ii) Hypertension iii) Angina pectoris	3.125 mg twice daily for 2 weeks, then 6.25 mg twice daily for 2 weeks, then 12.5 mg twice daily for 2 weeks then 25 mg twice daily (titrated up to the highest tolerated level). Max: <85 kg: 25 mg twice daily >85 kg: 50 mg twice daily	i) Initial: 3.125mg twice daily for 2 weeks Maintenance: Titrate up to as tolerated Max: <85 kg: 25 mg twice daily >85 kg: 50 mg twice daily ii) Initial: 12.5mg once daily Maintenance: 25mg once daily Max. 50mg daily in 1 or 2 divided doses iii) Initial: 12.5mg once daily Maintenance: 25mg once daily Max. 100mg daily in 1 or 2 divided doses  Dosing is individualised and according to product insert / protocol.
2.	Carvedilol 25mg Tablet  Kategori Preskriber: A/KK Kaedah perolehan: LP				
3.	Propranolol 10mg Tablet  Kategori Preskriber: B Kaedah perolehan: LP	Dysrhythmias, tachycardia, hypertrophic obstructive cardiomyopathy (For cardiologist only)	i) Hypertension ii) Angina pectoris iii) Myocardial infarct iv) Cardiac arrhythmias v) Migraine prophylaxis vi) Hyperthyroidism vii) Hypertrophic obstructive cardiomyopathy	10 - 40 mg 3 - 4 times daily	i) Initial: 40-80 mg twice daily Maintenance: 160-320 mg daily. Max. 640 mg daily ii) Initial: 40 mg 2-3 times daily Maintenance: 120-240 mg daily Max. 480mg daily iii) Initial (within 5-21 days of MI): 40 mg 4 times daily for 2-3 days Maintenance: 80 mg twice daily iv) 10-40 mg 3-4 times daily Max. 240 mg/day. v) Initial: 40 mg 2-3 times Maintenance: 80-160 mg daily Max. 240 mg/day. vi) 10-40 mg 3-4 times daily. Max. 240 mg/day. vii) 10-40 mg 3-4 times daily  Dosing is individualised and according to product insert / protocol.

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
4.	<b>Propranolol 40mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL	i) Hypertension ii) Angina iii) Myocardial infarct iv) Cardiac arrhythmias v) Portal hypertension vi) Migraine vii) Thyrotoxicosis	i) Hypertension ii) Angina pectoris iii) Myocardial infarct iv) Cardiac arrhythmias v) Migraine prophylaxis vi) Hyperthyroidism vii) Hypertrophic obstructive cardiomyopathy viii) Portal hypertension	i) Initially 80 mg twice daily increased as required to a usual range of 160 - 320 mg daily. CHILD: Initial doses of 1 mg/kg in divided doses, can be increased to 2 - 4 mg/kg/day in divided doses ii) Initial dose of 40 mg 2 - 3 times daily. Maintenance 120 - 240 mg daily iii) 40mg 4 times daily for 2 - 3 days then 80 mg twice daily, beginning 5 - 21 days after infarction iv) 10 - 40 mg 3 - 4 times daily v) Initially 40 mg twice daily. The dose may be increased as required up to 160 mg twice daily vi) Initial prophylaxis dose: 40 mg 2 - 3 times daily. The dose may be increased at weekly intervals up to 160 mg daily vii) Adjunct: 10 - 40 mg 3 - 4 times daily. CHILD: Arrhythmias, thyrotoxicosis: 0.25 - 0.5 mg/kg 3 - 4 times daily as required	i) Initial: 40-80 mg twice daily Maintenance: 160-320 mg daily. Max. 640 mg daily ii) Initial: 40 mg 2-3 times daily Maintenance: 120-240 mg daily Max. 480mg daily iii) Initial (within 5-21 days of MI): 40 mg 4 times daily for 2-3 days Maintenance: 80 mg twice daily iv) 10 - 40 mg 3 - 4 times daily. Max. 240 mg/day. v) Initial: 40 mg 2-3 times. Maintenance: 80-160 mg daily. Max. 240 mg/day. vi) 10-40 mg 3-4 times daily. Max. 240 mg/day. vii) 10-40 mg 3-4 times daily viii) Initial: 40 mg twice daily Maintenance: 40-80mg 3 times daily Max. 320mg daily  Dosing is individualised and according to product insert / protocol.
5.	<b>Metoprolol 50mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: LP	Hypertension, angina, myocardial infarction, arrhythmias	i) Hypertension ii) Angina pectoris iii) Myocardial infarct iv) Cardiac arrhythmias v) Migraine prophylaxis vi) Hyperthyroidism	Hypertension: Initially 100 mg to maximum 400 mg daily,  Angina: 50 mg - 100 mg in 2 - 3 times daily.  Myocardial infarction: 200 mg daily in divided doses.  Arrhythmias: 50 mg - 300 mg in 2 - 3 times daily	i) Initial: 100mg daily in 1 or 2 divided doses Maintenance: 200mg daily in divided doses Max. 400mg daily ii) 50-100mg 2-3 times daily Max. 400mg daily iii) Initial: 50mg twice daily Maintenance: 100mg twice daily iv) Initial: 50mg 2-3 times daily Maintenance: 300mg daily in divided doses v) 100-200mg daily in 2 divided doses vi) 150-200mg daily in 3-4 divided doses  Dosing is individualised and according to product insert/protocol.
6.	<b>Metoprolol 100mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL				

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru	Dos Sedia Ada	Dos Baru
7.	<b>Esmolol HCl 10 mg/ml Injection</b>  Kategori Preskriber: A* Kaedah perolehan: LP	Tachycardia and hypertension in perioperative period	i) Supraventricular tachycardia ii) Intraoperative and postoperative tachycardia and/or hypertension	By IV infusion usually within range of 50 - 200 mcg/kg/min	i) & ii) 50-200 mcg/kg/min  Dosing is individualised and according to product insert/protocol.
8.	<b>Labetalol HCl 100 mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL	Hypertension (including in pregnancy)	i) Mild, moderate or severe hypertension ii) Hypertension in pregnancy	ADULT: 100 mg daily with food, increased at intervals of 14 days to usual dose of 200 mg twice daily, up to 800 mg twice daily (3 - 4 divided doses if higher dose). Max: 2.4 g daily	i) & ii) Initial: 100mg twice daily Maintenance: 200-400mg twice daily Max. 2400mg daily in 3 or 4 divided doses  Dosing is individualised and according to product insert/ protocol.

## E. Statins

Bil.	Nama Ubat/ Kategori Preskriber/ Kaedah Perolehan	Indikasi Sedia Ada	Indikasi Baru
1.	<b>Simvatatin 10mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: Kontrak Pusat	Hypercholesterolaemia and coronary heart disease intolerant or not responsive to other forms of therapy	i) Hypercholesterolaemia ii) Prevention of cardiovascular disease
2.	<b>Simvastatin 20mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL		
3.	<b>Simvastatin 40mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL		
4.	<b>Atorvastatin 20mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: APPL	Hypercholesterolaemia and coronary heart disease intolerant or not responsive to other forms of therapy	i) Hypercholesterolaemia ii) Prevention of cardiovascular disease
5.	<b>Atorvastatin 40mg Tablet</b>  Kategori Preskriber: B Kaedah perolehan: Kontrak Pusat		
6.	<b>Atorvastatin 80mg Tablet</b>  Kategori Preskriber: A/KK Kaedah perolehan: APPL		

**SENARAI KHAS UBAT/SEDIAAN YANG DISEDIAKAN OLEH FASILITI & TIDAK BERDAFTAR DENGAN PBKD**

Susulan pengemaskinian FUKKM, sediaan-sediaan berikut telah disenaraikan dalam satu senarai khas bagi proses semakan untuk dikeluarkan daripada FUKKM.

**1. SENARAI UBAT YANG DISEDIAKAN OLEH FASILITI**

Bil.	Nama Generik	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>A. DERMATOLOGY</b>				
1.	Betamethasone 17-Valerate 0.01-0.05% Ointment	Kategori Preskriber: B Kaedah Perolehan: LP	Eczema, prurigo nodularis, limited psoriasis in appropriate in sites	Apply sparingly to affected area 2 - 3 times daily then reduced to once daily when improvement occurs
2.	Calamine with 2 - 6% Precipitated Sulphur Lotion	Kategori Preskriber: C Kaedah Perolehan: LP	Acne vulgaris	Apply to the skin as required and allow to dry, 1 - 3 times daily
3.	Coal Tar 1-9% Ointment	Kategori Preskriber: B Kaedah Perolehan: LP	Dandruff, seborrhoeic dermatitis, atopic dermatitis, eczema and psoriasis. Used as a mild astringent for the skin, as a soothing and protective application in eczema and as a protective to slight excoriation	Apply sparingly to the affected area 1-3 times daily starting with low strength preparations
4.	Cocoi Co. Ointment	Kategori Preskriber: B Kaedah Perolehan: LP	Scalpsoriasis and severe seborrhoeic dermatitis	Rub a small amount into the scalp gently
5.	Hydrogen Peroxide 20 volume Solution	Kategori Preskriber: C Kaedah Perolehan: LP	Skin disinfection, particularly cleansing and deodorising wounds and ulcers	Hydrogen Peroxide 6% (=approx. 20 vol) shall be dispensed.  For cleansing wounds: 1.5% to 6% solution apply 2-3 times daily or when necessary.  Mouthwash: rinse the mouth for 2-3 minutes with 15ml of hydrogen peroxide 6% diluted in half a tumblerful of warm water 2-3 times daily. Disinfecting cleaned equipment: immersion for 30 minutes in 6% solution.  Ear drop for removal of wax: hydrogen peroxide 6% diluted with 3 parts of water preferably just before use

Bil.	Nama Generik	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>A. DERMATOLOGY</b>				
6.	Magnesium Sulphate 45% Paste	Kategori Preskriber: C Kaedah Perolehan: LP	Inflammatory skin conditions such as boils and carbuncles	Apply under dressing
7.	Podophyllum 10 - 20% Paint	Kategori Preskriber: B Kaedah Perolehan: LP	External anogenital warts	Apply 2 - 3 drops carefully to lesion after protecting surrounding area with vaseline. Wash off after 6 hours or if feel burning sensation and repeat 2 - 3 times weekly or once weekly
8.	Potassium Permanganate 1:10,000 Solution	Kategori Preskriber: C+ Kaedah Perolehan: LP	Cleansing and deodorising suppurative eczematous reactions and wounds	As soaks or wet dressing 1 - 3 times daily or as required
9.	Potassium Permanganate 1:20,000 Solution	Kategori Preskriber: C Kaedah Perolehan: LP	Cleansing and deodorising suppurative eczematous reactions and wounds	As a bath once to twice daily or as required
10.	Salicylic Acid 2% Lotion	Kategori Preskriber: B Kaedah Perolehan: LP	Seborrhoeic dermatitis, scalp, psoriasis and hyperkeratotic skin conditions	Apply sparingly to the affected area 2-3 times daily. Wash with cleanser 2 - 3 times per day
11.	Silver Nitrate 0.5% Lotion	Kategori Preskriber: B Kaedah Perolehan: LP	Use as antiseptic	Apply undiluted to affected area for a limited period
12.	Sodium Thiosulphate 10-20% Solution	Kategori Preskriber: C Kaedah Perolehan: LP	Fungicides. For the treatment of pityriasis versicolor	Apply to all affected parts of the body and face with a brush after a bath once daily or twice daily or 3 times daily

Bil.	Nama Generik	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>B. SENSORY ORGANS</b>				
1.	Amphotericin B 0.15% Eye Drops	Kategori Preskriber: A Kaedah Perolehan: LP	Fungal infection of the cornea	1 drop hourly or 2 hourly
2.	Amphotericin B 0.25% Eye Drops	Kategori Preskriber: A Kaedah Perolehan: LP	Fungal infection of the cornea	1 drop hourly or 2 hourly
3.	Benzylpenicillin 10,000 units/ml Eye Drops	Kategori Preskriber: B Kaedah Perolehan: LP	Eye infection	1-2 drops every 15 minutes or accordingly to needs of the patient
4.	Benzylpenicillin 2,500 units/ml (1.5 mg/ml) Eye Drops	Kategori Preskriber: B Kaedah Perolehan: LP	Eye infection	1-2 drops every 15 minutes or accordingly to needs of the patient
5.	Gentamicin 3% Fortified Eye Drops	Kategori Preskriber: A Kaedah Perolehan: LP	Broad spectrum antibiotic in superficial eye infections and also for Pseudomonas aeruginosa	Dose according to the needs of the patient
6.	Hydrogen Peroxide 1.5% Ear Drops	Kategori Preskriber: C Kaedah Perolehan: LP	To soften impacted ear wax	Instill 1 - 2 drops into the ear as required (leave for a few minutes)
7.	Ichthammol Glycerin 10% Ear Drops	Kategori Preskriber: C Kaedah Perolehan: LP	Ear wick for otitis externa with oedema	2 - 3 drops 3 - 4 times daily and in ear wick for otitis externa
8.	Mitomycin C 0.02% Eye Drops	Kategori Preskriber: A Kaedah Perolehan: LP	Pterygium, conjunctival tumour, glaucoma surgery	1 - 2 drops several times a day
9.	Mitomycin C 0.04% Eye Drops	Kategori Preskriber: A Kaedah Perolehan: LP	Pterygium, conjunctival tumour, glaucoma surgery	1 - 2 drops several times a day
10.	Olive Oil Ear Drops	Kategori Preskriber: C Kaedah Perolehan: LP	Impacted wax softener	3 - 4 drops 3 - 4 or as directed
11.	Sodium Bicarbonate 5% w/v Ear Drops	Kategori Preskriber: C Kaedah Perolehan: LP	To soften the impacted ear wax	2-3 drops 3-4 times daily

Bil.	Nama Generik	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>C. ALIMENTARY TRACT AND METABOLISM</b>				
1.	Glycerin	Kategori Preskriber: C+ Kaedah Perolehan: LP	As a lubricant and osmotic dehydrating agent	Apply to area when required
2.	Hydrocortisone Enema 0.1%	Kategori Preskriber: B Kaedah Perolehan: LP	Adjunctive treatment for ulcerative colitis and proctitis	ADULT 100 mg 1-2 times/day for 2-3 weeks. If used for longer than 3 weeks, taper treatment over 2-3 weeks
3.	Polycitra Syrup (sodium citrate, potassium citrate, citric acid anhydrous)	Kategori Preskriber: C Kaedah Perolehan: LP	For treatment of calcium and uric acid stones	The usual dose of potassium citrate is 30 - 60 mEq/day orally in 3 or 4 doses with meals or within 30 minutes after meals. ADULT: 15 ml 3 times daily well diluted with water. CHILD 5-15 ml 3 times daily, after meals and at bedtime.
4.	Potassium Chloride 1 g/10 ml Mixture	Kategori Preskriber: C Kaedah Perolehan: LP	Potassium depletion	1 g once or twice daily until serum potassium is restored
5.	Sodium Bicarbonate Mixture (Paediatric)	Kategori Preskriber: C Kaedah Perolehan: LP	Heartburn for rapid relief of dyspepsia	CHILD up to 1 year 5 ml, up to 1-5 years 10 ml in 4 to 6 divided doses
<b>D. RESPIRATORY</b>				
1.	Ammonium Bicarbonate, Tincture Ipecac, etc Mixture	Kategori Preskriber: C Kaedah Perolehan: LP	Cough	Adults, the elderly and children over 12 years: 10- 20ml, repeated after 4 hours if required. Not more than 4 doses to be taken in any 24 hours.
2.	Bismuth Subnitrate, Iodoform and Liquid Paraffin Paste	Kategori Preskriber: B Kaedah Perolehan: LP	As a mild antiseptic for wounds and abscesses. Sterile gauze impregnated with paste for packing cavities after otorhinological surgery	As directed for local application
3.	Menthol 1.6% in Industrial Methylated Spirit Inhalation	Kategori Preskriber: C Kaedah Perolehan: LP	Decongestion of the upper respiratory tract	As directed for local use

## 2. SENARAI SEDIAAN YANG DISEDIAKAN OLEH FASILITI

Bil.	Nama Generik	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>VARIOUS</b>				
1.	Alcohol 70% Solution	Kategori Preskriber: C+ Kaedah Perolehan: LP	Use as antiseptic and disinfectant	Apply to the skin undiluted or when needed
2.	Sodium Hypochlorite Solution	Kategori Preskriber: C Kaedah Perolehan: LP	Low-level disinfectant and antiseptic	Antiseptic: less than 0.5%. Disinfectant: 5%

### 3. SENARAI UBAT DIKELASKAN SEBAGAI DISINFEKTAN YANG TIDAK BERDAFTAR DENGAN PBKD

Bil.	Nama Generik/	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>A. VARIOUS</b>				
1.	Benzalkonium Chloride Disinfectant Solution	Kategori Preskriber: C Kaedah Perolehan: LP	Low level disinfectant suitable for general cleaning and disinfection of hard surface	Cleaning purposes: Dilute 1 in 10. Disinfection, use undiluted
2.	Chlorinated Lime Powder	Kategori Preskriber: C Kaedah Perolehan: LP	Antiseptic and disinfectants	Not applicable
3.	Glutaraldehyde 2% Solution	Kategori Preskriber: A Kaedah Perolehan: APPL	High level disinfection for heat sensitive equipments such as endoscopes	20 minutes or more immersion is recommended for endoscopes before the session and between patients after thorough cleaning based on manufacturer recommendation
4.	Ortho-phthalaldehyde 0.55% Solution	Kategori Preskriber: A Kaedah Perolehan: LP	High level disinfectant for sensitive endoscopes or semi-critical reusable medical devices	Manual reprocessing, at least 12 minute immersion time at room temperature (20 degree celcius) is required. Automatic endoscope reprocessor, at least 5 minute immersion time at a minimum of 25 degree celcius is required
5.	Peracetic Acid and Hydrogen Peroxide	Kategori Preskriber: A Kaedah Perolehan: LP	High level disinfectant or sterilant for heat labile endoscopes	Immersion time based on manufacturer recommendation
6.	Sodium Dichloroisocyanurate 2.5g Tablet	Kategori Preskriber: C Kaedah Perolehan: LP	Low and medium level disinfectant	50 - 10,000 ppm av chlorine
7.	Sodium Dichloroisocyanurate 5g Tablet	Kategori Preskriber: C Kaedah Perolehan: LP	Low and medium level disinfectant	50 - 10,000 ppm av chlorine
8.	Succindialdehyde 11% & Dimethoxytetrahydrofuran 3%	Kategori Preskriber: A Kaedah Perolehan: LP	High level disinfection for endoscopes, ultrasonic probes, anaesthesia equipment etc	Immersion time is based on manufacturers recommendation
9.	Dextrose Powder	Kategori Preskriber: B Kaedah Perolehan: LP	Use as a diagnostic agent for diabetes	75 g stat

Bil.	Nama Generik/	Kategori Preskriber/ Kaedah Perolehan	Indikasi	Dos
<b>B. DERMATOLOGY</b>				
1.	Benzoin Compound Tincture	Kategori Preskriber: C Kaedah Perolehan: LP	Infected skin, lesions, cuts, abrasions, wounds and burns	Apply undiluted to the skin 1 or 2 times daily. Duration of therapy, may be weeks to months depending on the infection being treated
2.	Phenol 80% w/w Liquid	Kategori Preskriber: C Kaedah Perolehan: LP	As disinfectant	Use in various dilutions