

## DRUG FORMULARY

*Updated after HUTH Drug and Therapeutics Committee meeting of August 2019*

This formulary is used and maintained by **Hull University Teaching Hospitals NHS Trust**.

It is also used as a formulary by **Humber Teaching Foundation NHS Trust (HTFT)** and **City Health Care Partnership (CHCP)**.

The formulary has been agreed with **Hull Clinical Commissioning Group** and **East Riding of Yorkshire Clinical Commissioning Group** with the expectation that providers within Hull and East Riding will prescribe and recommend drug treatments from those listed in the formulary.

*A joint formulary is available for primary care on the HERPC website:*

<https://www.hey.nhs.uk/herpc>

### Guide:

**Bold and highlighted = preferred first line agent**

*Italics = specialist recommendation only*

Other agents = can still be used, but are not preferred first line agent

**Drugs not listed are considered non formulary, and will not be supplied from hospital pharmacy. Non formulary drugs should not be recommended for initiation in primary care.**

**For further information on formulary process, including application for use of additional agents within individual organisations, see contact details below:**

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## **Emergency Treatment of Poisoning**

Charcoal, activated  
Acetylcysteine  
Methionine  
Dehydrated (absolute) alcohol/ethanol  
Fomepizole  
Glucarpidase

Other agents are listed elsewhere in the formulary.

- [Antidote Formulary List A](#)
- [Antidote Formulary List B](#)
- [Antidote Guideline List](#)
- [Antidote Availability](#)
- [Antidote Availability \(Regional\)](#)

## **CHAPTER 1: GASTRO-INTESTINAL DRUGS**

### **15.2 ANTACIDS**

*Sodium Citrate*

*Maternity*

#### **15.2.8 Aluminium and Magnesium containing**

Magnesium Trisilicate

Aluminium Hydroxide

Maalox<sup>®</sup>

*Mucaine<sup>®</sup>*

*Radiotherapy*

*Simeticone Infacol<sup>®</sup>*

#### **1.1.2 Sodium Bicarbonate**

Sodium Bicarbonate

#### **1.1.3 Other drugs for dyspepsia and GORD.**

**Peptac<sup>®</sup>**

Gaviscon Advance<sup>®</sup>

Gaviscon Infant<sup>®</sup>

Labinic Liquid

### **1.2 ANTISPASMODICS**

ANTIMUSCARINICS

Hyoscine butylbromide

Alverine Citrate

*Propantheline*

OTHER

Mebeverine

Peppermint oil

Peppermint water

MOTILITY STIMULANTS

Metoclopramide/Domperidone – see 4.6

### **1.3 ULCER HEALING DRUGS**

#### **1.3.1 H<sub>2</sub> receptor antagonists**

## **Ranitidine**

### **1.3.3 Chelates and Complexes**

Sucralfate

### **1.3.5 Proton pump inhibitors**

#### **Lansoprazole**

Omeprazole (Oral **ONLY**)

Pantoprazole (Intravenous **ONLY**)

*Esomeprazole Granules*

*Paediatrics*

## **1.4 ANTIDIARRHOEAL DRUGS**

### **1.4.2 Antimotility drugs**

Loperamide

*Eluxadoline Tablet*

*In Line with TA 448*

Codeine phosphate

**NOT** for under 12 years old or breastfeeding mothers

## **1.5 TREATMENT OF CHRONIC DIARRHOEA**

### **AMINOSALICYLATES**

**Mesalazine** \* Remember to clarify the brand of SR products \*

Sulfasalazine

*Balsalazide*

*Gastroenterology*

*Olsalazine*

*Gastroenterology*

### **ANION EXCHANGE RESIN**

Cholestyramine

### **CORTICOSTEROIDS**

Hydrocortisone 10% foam

Hydrocortisone suppository

Prednisolone enemas and suppository

*Budesonide*

*Gastroenterology*

### **FOOD ALLERGY**

*Sodium cromoglicate (oral capsules)*

*Immunology*

## **1.6 LAXATIVES**

### **1.6.1 Bulk forming**

Fybogel

Methylcellulose

### **1.6.2 Stimulant**

Senna

Bisacodyl

Docusate Sodium

Glycerin Suppositories Adult, Children

Sodium Picosulfate

*Co-danthramer 25/200*

*Co-danthramer 75/1000*

*Manevac<sup>®</sup>*

*Palliative Care*

*Palliative Care*

*Maternity Unit*

### **1.6.3 Faecal Softeners**

Arachis Oil retention enemas

#### **1.6.4 Osmotic**

Phosphate enemas

Relaxit<sup>®</sup> enemas

Magnesium Sulphate

**Macrogol sachets (e.g. Laxido<sup>®</sup>, Movicol<sup>®</sup>)**

Movicol Liquid

Lactulose solution

*Gastrografin*

#### **1.6.5 Bowel Cleansing Solutions**

Fleet-Phospho Soda<sup>®</sup> oral solution

Klean-Prep<sup>®</sup> powder

Moviprep<sup>®</sup>

Picolax<sup>®</sup>

Plenvu<sup>®</sup>

Naloxegol Oxalate

#### **1.6.6 Peripheral Opioid-receptor Antagonists**

*Methylnaltrexone bromide injection*

*Palliative Care Consultant*

#### **1.6.7 5HT<sub>4</sub> receptor agonists**

*Prucalopride (for women, in line with [NICE TA211](#))*

Linaclootide

### **1.7 PREPARATIONS FOR ANAL AND RECTAL DISORDERS**

#### **Anal fissures**

*Glyceryl trinitrate ointment 0.4% (Rectogesic)*

*Diltiazem ointment 2%*

#### **1.7.1 Soothing**

Anusol<sup>®</sup>

#### **1.7.2 Compound**

Anusol HC<sup>®</sup>

Proctosedyl<sup>®</sup>

#### **1.7.3 Rectal Sclerosants**

Oily Phenol Injection

### **1.9 DRUGS AFFECTING INTESTINAL SECRETIONS**

#### **1.9.1 Drugs acting on Gall Bladder**

*Ursodeoxycholic acid*

*Obeticholic Acid (Ocaliva)*

*Gastroenterology*

*If patient is intolerant of Ursodeoxycholic Acid*

#### **1.9.4 Pancreatin**

**Creon**

Pancrease capsules

*Pancreolauryl Test Capsules*

*Gastroenterology*

# CHAPTER 2: CARDIOVASCULAR SYSTEM

## 2.1 POSITIVE INOTROPIC DRUGS

### 2.1.1 Cardiac Glycosides

Digoxin

Digoxin-specific antibody (DigiFab<sup>®</sup>) (emergency antidote)

### 2.1.2 Phosphodiesterase Inhibitor

*Enoximone*

*Cardiology/theatres*

*Milrinone*

*Cardiothoracic*

## 2.2 DIURETICS

### 2.2.1 Thiazides and Related

Bendroflumethiazide (Bendrofluazide)

Indapamide

Indapamide SR

### 2.2.2 Loop

Furosemide (Frusemide)

Bumetanide

### 2.2.3 Potassium sparing

Amiloride

Spiroinolactone

Heart failure, ascites

Eplerenone

### 2.2.4 Potassium sparing with other Diuretics

Co-amilofruse

**For other combinations – use separate formulary agents**

### 2.2.5 Osmotic

Mannitol

### 2.2.7 Carbonic Anhydrase Inhibitors

Acetazolamide

## 2.3 ANTI ARRHYTHMIC DRUGS

### 2.3.2 Drugs for arrhythmias

#### SUPRAVENTRICULAR

Adenosine injection

Verapamil (See 2.6.2)

Sotalol

Esmolol

*Disopyramide*

*Cardiology*

*Flecainide*

*Cardiology*

*Propafenone*

*Cardiology*

*Quinidine*

*Cardiology*

#### VENTRICULAR

Amiodarone

Sotalol  
Lidocaine (Lignocaine)  
Lidocaine (Lignocaine) in Dextrose infusion  
*Mexiletine*  
*Dronedarone*

*Cardiology*  
*Cardiology*

## **2.4 BETA-ADRENOCEPTOR BLOCKING DRUGS**

*Timolol*  
Atenolol  
Carvedilol  
Nebivolol  
Bisoprolol  
*Esmolol*  
*Labetalol*  
*Metoprolol*  
*Propranolol*

*Post MI*  
Hypertension  
Heart Failure  
Heart Failure in patients 70years or older

*Cardiology/Theatres*

### **2.5.2 Centrally acting**

*Clonidine*  
*Methyldopa*  
*Moxonidine*

## **2.5 ANTIHYPERTENSIVE AGENTS**

### **2.5.1 Vasodilator**

*Diazoxide*  
*Hydralazine*  
*Sodium Nitroprusside*  
*Minoxidil*  
*Iloprost*  
*Bosentan*

*Pulmonary hypertension/Digital*  
*Ulceration in scleroderma/Raynauds*  
*Pulmonary hypertension*  
*Pulmonary hypertension*

*Ambrisentan*  
*Macitentan*  
*Epoprostenol*  
*Epoprostenol (Veletri)*  
*Riociguat*

*Pulmonary Hypertension Only*  
*NHSE IFR only*

### **2.5.4 Alpha blockers**

Doxazosin  
PHAEOCHROMOCYTOMA  
*Phenoxybenzamine*  
*Phentolamine injection*

### **2.5.5.1 ACE inhibitors**

**Ramipril**  
Lisinopril  
Perindopril

Enalapril  
*Captopril*

### **2.5.5.2 Angiotensin II receptor antagonists**

## **Losartan**

Valsartan

Candesartan

Irbesartan

*Sacubitril valsartan (Entresto®)*

*Heart failure MDT only, as per NICE TA388*

### **2.5.5.3 Renin Inhibitor**

*Aliskiren*

*Specialist Use*

## **2.6 VASODILATORS**

### **2.6.1 Nitrates**

Glyceryl Trinitrate

Isosorbide Mononitrate

Isosorbide Dinitrate injection

### **2.6.2 Calcium channel blockers**

**Please specify the brand of agent and strength used if SR/LA.**

**Amlodipine**

Diltiazem

Verapamil

Lercanidipine

*Nifedipine*

*Nicardipine Hydrochloride 10mg/10ml Solution for Injection*

*Nimodipine*

*Neurosurgery*

*Felodipine*

*For continuation of GP initiated treatment*

### **2.6.3 Potassium channel activators**

Nicorandil

*Ivabradine*

*Cardiology Only*

*Ranolazine*

*Cardiologist Initiation Only*

### **2.6.4 Peripheral vasodilators**

Naftidrofuryl

*Pentoxifylline*

*Immunology/Gastroenterology*

## **2.7 SYMPATHOMIMETICS**

### **2.7.1 Inotropic sympathomimetics**

*Dobutamine*

*Dopamine*

*Isoprenaline*

### **2.7.2 Vasoconstrictor sympathomimetics**

*Adrenaline*

*Metaraminol*

*Noradrenaline*

*Phenylephrine Injection*

*Ephedrine Injection*

*Midodrine*

## 2.8 ANTICOAGULANTS

### 2.8.1 Parenteral anticoagulants

#### LOW MOLECULAR WEIGHT HEPARINS

Dalteparin For PE treatment, DVT treatment and prophylaxis  
Tinzaparin Prophylaxis (excluding pregnancy and puerperium)

*Fondaparinux*

#### HEPARINS

Heparin Sodium

Heparin Sodium in NaCl 0.9%

Heparin (Pump-Hep<sup>®</sup>)

#### HEPARINOIDS

*Argatroban Injection*

*Danaparoid*

*Bivalirudin*

*Haematologists*

*Epoprostenol*

### 2.8.2 Oral anticoagulants

Warfarin

*Acenocoumarol*

*Phenindione*

Dabigatran

Rivaroxaban

Apixaban

Edoxaban

*Continuation of treatment only*

*Anticoagulant Clinic*

*In line with NICE guidance*

*In line with NICE guidance*

*In line with NICE guidance*

*In line with NICE guidance*

#### **Specific Reversal Agent for Dabigatran**

*Idarucizumab*

*Haematology advice only*

### 2.8.3 Protamine sulphate

Protamine sulphate

## 2.9 ANTIPLATELET DRUGS

Aspirin

Clopidogrel

*Prasugrel*

Dipyridamole

*Ticagrelor*

*Specialist Use ONLY*

*Specialist Use ONLY*

*Abciximab*

*Eptifibatide*

*Tirofiban*

*Cardiology*

*Cardiology*

*Cardiology*

### 2.10.2 FIBRINOLYTIC DRUGS

*Urokinase*

*Alteplase*

*Alteplase (Actilyse Cathflo 2 mg) approved as 2<sup>nd</sup> line agent after Urokinase*

*Tenecteplase*

*Nephrology*



## 2.11 ANTIFIBRINOLYTIC DRUGS AND HAEMOSTATIC AGENTS

### Tranexamic Acid

Aprotinin Licensed Use only

*Etamsylate (Ethamsylate)*

*Obstetrics & Gynaecology*

*Drotrecogin alfa (activated)*

*following protocol*

### BLOOD PRODUCTS

Haematology Department

*Elocta® (efmoroctocog alfa, Swedish Orphan Biovitrum)*

*Nuwiq® (simoctocog alfa, Octapharma)*

*Rixubis® (nonacog gamma, Baxalta/Shire)*

*Alprolix® (eftrenonacog alfa, Swedish Orphan Biovitrum)*

*Idelvion® (albutrepenonacog alfa, CSL Behring)*

## 2.12 LIPID LOWERING DRUGS.

### ANION EXCHANGE

*Colestyramine (Questran®)*

*Lipid Specialist*

*Colesevelam (Cholestagel®)*

*Lipid Specialist*

### CLOFIBRATE GROUP

*Fenofibrate*

*Lipid Specialist*

*Gemfibrozil*

*Bezafibrate SR as Bezalip® Mono*

### STATINS

**Atorvastatin**

Pravastatin

Simvastatin

*Rosuvastatin*

*Lipid Specialist*

*Ezetimibe*

*Alirocumab*

*In line with NICE TA393*

*Evolocumab*

*In line with NICE TA394*

## 2.13 LOCAL SCLEROSANTS

*Ethanolamine Oleate*

*Surgery*

*Sodium TetraDecyl Sulphate*

*Surgery*

*Polidocanol (Scleroven)®*

*Surgery*

# CHAPTER 3: RESPIRATORY SYSTEM

## 3.1 BRONCHODILATORS

### 3.1.1.1 Selective $\beta_2$ Adrenoreceptor Stimulants

#### Short acting

Salbutamol  
Terbutaline

#### Long acting

Salmeterol  
Formoterol  
*Indacaterol Maleate*  
*Bambuterol*

*Respiratory Specialist*  
*Respiratory Specialist*

### 3.1.1.2 Other Adrenoreceptor stimulants

*Adrenaline aerosol (Primatene Mist®)*

### 3.1.2 Antimuscarinic bronchodilators

#### Tiotropium

*Acclidinium*  
Ipratropium

*Respiratory Specialist*

### 3.1.3 Theophylline

\* Remember to clarify the brand of SR products \*

Aminophylline  
Theophylline

### 3.1.4 Compound Bronchodilator Preparations

Umeclidinium/Vilanterol (Anoro Ellipta®)  
Glycopyrronium/Indacaterol (Ultibro®)  
Tiotropium/Oladaterol (Spiolto®)  
Acclidinium/Formoterol (Duaklir®)  
Trimbow® MDI (Formoterol fumarate dihydrate 5 microgram,  
beclometasone dipropionate 87 microgram, glycopyrronium (as bromide) 9 microgram per puff)

## 3.2 CORTICOSTEROIDS

### Beclometasone (Beclomethasone)

**Qvar® (First line in adults) Prescribe by brand**  
**Clenil Modulite® (First line in children) Prescribe by brand**

Budesonide

*Fluticasone*

*Fluticasone Furoate and Vilanterol*  
*(Relvar Ellipta)*

*Ciclesonide*

*Respiratory Specialist*

*Approved for patients with severe Asthma on DOT*  
*therapy only*

*Respiratory Specialist*

### Combination

**Symbicort®**

**Fostair®**

*Fostair NEXThaler®*

*Seretide®*

*Respiratory Specialist*

*Flutiform*<sup>®</sup>  
*DuoResp Spiromax*<sup>®</sup>

*Respiratory Specialist*  
*Respiratory Specialist*

### **3.3 CROMOGLICATE AND RELATED THERAPY**

*Nedocromil* *Respiratory Specialist*  
*Sodium Cromoglicate(Sodium Cromoglycate)* *Respiratory Specialist*

#### **3.3.2 Leukotriene receptor antagonists**

**Montelukast**

### **PHOSPHODIESTERASE TYPE 4 INHIBITORS**

**3.3.3 Roflumilast** *Respiratory medicine in line with NICE TA461*

### **3.4 ANTIHISTAMINES AND RELATED THERAPY**

#### **3.4.1 Antihistamines**

##### **NON-SEDATING ANTIHISTAMINES**

**Cetirizine**

Fexofenadine

Loratadine

*Rupatadine (Rupafin)*<sup>®</sup>

*Immunology/Dermatology ONLY*

##### **SEDATING ANTIHISTAMINES**

**Chlorphenamine (Chlorpheniramine)**

Hydroxyzine

Promethazine

*Alimemazine (Trimeprazine)*

#### **3.4.2 Allergen Immunotherapy**

*Omalizumab*

*in line with with NICE guidance TA278 / TA 339*

*Mepolizumab*

*in line with with NICE guidance TA431*

*Grass and tree pollen extracts – Grazax*<sup>®</sup>

*Immunology only*

*Pharmalgen*<sup>®</sup>

*Reslizumab Injection*

*in line with NICE guidance*

#### **3.4.3 Allergic emergencies**

Adrenaline

Epipen

Emerade

*Icatibant*

*Immunology only*

*C1 Esterase Inhibitor (Berinert)*<sup>®</sup>

*Immunology only*

### **3.5 RESPIRATORY STIMULANTS**

#### **3.5.1 Respiratory Stimulants**

*Doxapram*

#### **3.5.2 Pulmonary Surfactants**

*Poractant alfa*

*Neonatology*

#### **Neonatal Apnoea**

*Caffeine Citrate*

### **3.7 MUCOLYTICS**

*Dornase alfa*

**Carbocisteine**

*Erdosteine*

*Mannitol Dry Powder For Inhalation* (Cystic Fibrosis) NICE NG78  
*Ivacaftor (Kalydeco®)*  
*Lumacaftor/Ivacaftor (Orkambi®)* (Cystic Fibrosis) NICE NG78  
*Tezacaftor/Ivacaftor (Symdeco)*  
*Sodium chloride 7% nebuliser solution*

### **3.8 INHALATIONS**

No recommendations

### **3.9 ANTITUSSIVES**

#### **3.9.1 Cough Suppressants**

*Pholcodine linctus*

*Dextromethorphan*

*Morphine sulfate oral for intractable cough*

#### **3.9.2 Expectorant & Demulcent Preparations**

*Simple linctus*

### **5 Idiopathic Pulmonary Fibrosis**

*Pirfenidone*

*as per NICE TA*

*Nintedanib(Ofev)*

*as per NICE TA Dr Hart Only*

## CHAPTER 4: CENTRAL NERVOUS SYSTEM

Many drugs in chapter 4 are initiated on advice of Mental Health specialists (e.g. HTFT) and it is expected that patients may be continued on these or treatment may be initiated on them on advice of a Mental Health specialist

### 4.1 HYPNOTICS AND ANXIOLYTICS

#### 4.1.1 Hypnotics

Temazepam  
Nitrazepam  
Zolpidem  
Zopiclone

*Continuation of GP initiated treatment only*  
*Continuation of GP initiated treatment only*

*Chloral Hydrate*

*Paediatrics*

Clomethiazole (*Chlormethiazole*)

*2<sup>nd</sup> line – alcohol dependence*

*Melatonin M/R Tablets*  
*Other formulations see unlicensed list*

*Paediatrics, Neurology &*  
*Electrophysiology (EGG)*

***These agents will not normally be supplied on discharge***

#### 4.1.2 Anxiolytics

*Buspirone hydrochloride*  
*Chlordiazepoxide*  
*Diazepam*  
*Lorazepam*

*Mental Health advice or Continuation of treatment only*  
*1<sup>st</sup> line alcohol dependence*  
*Premedication*

#### 4.1.3 Barbiturates

*Specialist Use Only & E.E.G.*

### 4.2 DRUGS USED IN PSYCHOSES AND RELATED DISORDERS

#### 4.2.1 Antipsychotic Drugs

*Amisulpride*  
*Aripiprazole*  
*Chlorpromazine*  
*Flupentixol*  
*Haloperidol*  
*Olanzapine*  
*Risperidone (oral)*

*Mental Health advice or Continuation of treatment only*  
*Mental Health advice or Continuation of treatment only*  
*Mental Health advice or Continuation of treatment only*  
*Psychogeriatrician or Mental Health advice/continuation*

*Quetiapine*  
*Paliperidone*  
*Clozapine*

*Neurologist or specialist advice/continuation*  
*Mental Health advice or Continuation of treatment only*  
*Mental Health advice or Continuation of treatment only*

*Other agents not recommended and only available if recommended by a Mental Health specialist*

#### 4.2.2 Antipsychotic Depot Injections ***\*All agents Specialist Use Only\****

Fluphenazine Depot

### 4.2.3 Antimanic Drugs

#### Specify brand of product\*

*Lithium Carbonate (Priadel<sup>®</sup>)*

*Lithium Carbonate (Camcolit<sup>®</sup>)*

*Lithium Citrate (Priadel<sup>®</sup> Liquid)*

Carbamazepine see section 4.8.1

Valproic acid (as semisodium valproate) (e.g. Depakote<sup>®</sup>)

### 4.3 ANTIDEPRESSANTS

#### 4.3.1 Tricyclic and Related Antidepressants

Amitriptyline

*Dosulepin (Dothiepin)*

*Clomipramine*

*Imipramine*

Lofepramine

*Mental Health advice or Continuation of treatment only*

*Nortriptyline*

*Pain Team Use, Neurology and Urology*

*Sulpiride*

*Mental Health advice or Continuation of treatment only*

*Trifluoperazine*

*Mental Health advice or Continuation of treatment only*

*Zuclopenthixol*

*Mental Health advice or Continuation of treatment only*

#### RELATED ANTIDEPRESSANTS

*Trazodone*

#### 4.3.2 Monoamine Oxidase Inhibitors

No recommendations – *only available if recommended by Mental health specialist*

#### 4.3.3 SSRIs and related

Fluoxetine

Paroxetine

For continuation of treatment only

Sertraline

Venlafaxine

Citalopram

Escitalopram

Consultant only

Vortioxetine

As NICE TA367 – *Mental Health Advice or continuation of treatment only*

#### 4.3.4

Duloxetine (Cymbalta<sup>®</sup>)

*Endocrinology/Neurology & Pain Team Use*

*Mirtazapine*

*Mental Health advice or Continuation of treatment only*

### 4.4 CENTRAL NERVOUS STIMULANTS

*Atomoxetine*

*Dexamfetamine*

*Methylphenidate*

*Modafinil*

*Lisdexamfetamine*

*Mental Health Advice or Continuation of Treatment only*

### 4.5 APPETITE SUPPRESSANTS

No recommendations

#### 4.5.2 CENTRALLY-ACTING APPETITE SUPPRESSANTS

No recommendations

## 4.6 DRUGS USED IN NAUSEA AND VERTIGO

Cinnarizine  
Cyclizine  
Promethazine

Chlorpromazine see 4.2.1  
Haloperidol see 4.2.1  
Droperidol  
Levomepromazine (Methotrimeprazine) see 4.2.1  
Prochlorperazine  
Domperidone  
Metoclopramide

### 5-HT<sub>3</sub> ANTAGONISTS

*Ondansetron*

*Granisetron Transdermal Patch*

*Consultant Head & Neck Specialists Only*

### NEUROKININ RECEPTOR ANTAGONISTS

*Aprepitant*

### OTHER DRUGS

Betahistine  
Hyoscine Hydrobromide

## 4.7 ANALGESICS

### 4.7.1 Non Opioid Analgesics

Paracetamol  
Co-codamol 8/500  
Co-codamol 30/500  
Ibuprofen see 10.1.1  
Paracetamol I/V

### 4.7.2 Opioid Analgesics

Codeine  
Dihydrocodeine  
Tramadol

**NOT** for under 12 years old or breastfeeding mothers

### STRONG OPIOIDS

Diamorphine

*Diamorphine Nasal Spray (Ayendi)*

*Paediatric A&E for acute pain*

Fentanyl patches

*Fentanyl patches (chronic non cancer pain)*

*2<sup>nd</sup> line after oral morphine failure*

*Fentanyl buccal tablets (Effentora®)*

*Palliative Care Only*

*Fentanyl Nasal Spray (Pecfent®)*

*Palliative Care/Head & Neck Cancers/  
Oncology Consultant only*

Meptazinol

**Morphine**

Pethidine

*Buprenorphine*

*Sublingual*

*Buprenorphine Patches*

*Initiation by palliative care/Renal/pain specialists*

*Fentanyl oral*  
*Oxycodone*

#### **4.7.3 Neuropathic pain**

Carbamazepine  
Amitriptyline  
Sodium Valproate  
Gabapentin  
*Pregabalin*  
*Ketamine oral solution*

*Pain Team*  
*Pain Team – Consultant use only,*  
*for chronic neuropathic pain*  
*via IFR only,*  
*for chronic neuropathic pain*

*Nabilone*

#### **4.7.4 Antimigraine Drugs**

##### **4.7.4.1 Treatment of Acute Migraine Attack**

Aspirin  
Paracetamol  
Metoclopramide  
Sumatriptan  
Frovatriptan  
Eletriptan  
Naratriptan

For continuation only

##### **4.7.4.2 Prophylaxis of Migraine**

Propranolol  
Pizotifen  
*Methysergide*  
*Botulinum Toxin Type A*  
*Erenumab Aimovig®*

*Neurology*  
*As per TA260*  
*Not commissioned by CCG's awaiting NICE TA*

#### **4.8 ANTI-EPILEPTICS**

##### **4.8.1 Control of Epilepsy**

Phenytoin  
Sodium valproate (including S/R e.g. Epilim Chrono®) [Pregnancy Prevention Programme](#)  
Carbamazepine  
*Brivaracetam*                      *Adjunctive therapy of partial-onset seizures in adult and adolescent patients*  
*Phenobarbital*  
*Clonazepam*  
*Clobazam*  
*Gabapentin*  
*Lamotrigine*  
*Levetiracetam*  
*Lacosamide*                      *Neurologist only*  
*Oxcarbazepine*  
*Perampanel*                      *Initiation by consultant only*  
*Pregabalin (for epilepsy)*  
*Primidone*  
*Rufinamide*                      *Treatment exemption panel approved only*  
*Tiagabine*  
*Topiramate*  
*Vigabatrin*  
*Zonisamide*



*Stiripentol*  
*Retigabine*  
*Eslicarbazepine*  
*Ethosuximide*

*Paediatric Neurologist only*  
*Neurologist only*  
*Neurologist only*

#### **4.8.2 Drugs Used in Status Epilepticus**

*Lorazepam*  
*Phenytoin*  
*Diazepam*  
*Clonazepam*  
*Paraldehyde*  
*Phenobarbital*  
*Midazolam Buccal*

### **4.9 DRUGS IN PARKINSONISM AND RELATED DISORDERS**

#### **4.9.1 Dopaminergic Drugs**

*Co-beneldopa (Madopar®)*  
*Co-careldopa (Sinemet®)*  
*Duodopa®*  
*Amantadine*  
*Apomorphine*  
*Cabergoline*  
*Pergolide*  
*Pramipexole*  
*Pramipexole MR*  
*Ropinirole*  
*Ropinrole SR*  
*Safinamide*  
*Selegiline*  
*Entacapone*  
*Opicapone*  
*Rasagiline*  
*Levodopa + carbidopa + entacapone (Sastravi® generic or equivalent - keep patient on same brand, if stable)*  
*Rotigotine Patches* *Only if cannot take oral preps*

#### **4.9.2 Antimuscarinic Drugs**

*Trihexyphenidyl (Benzhexol)*  
*Procyclidine*

#### **4.9.3 Drugs Used in Tremor and Related Disorders.**

##### *Botulinum A Toxin Complex:*

*Dysport® & Botox® available – note preparations are not interchangeable*  
*Xeomin® available for Dr Salawu (Rehabilitation)*

##### *Botulinum B Toxin:*

*Neurobloc available – note preparations are not interchangeable*  
*Tetrabenazine*  
*Piracetam*  
*Riluzole*

#### **4.10 DRUGS USED IN SUBSTANCE DEPENDENCE**

##### **Alcohol dependence**

*Disulfiram*

**See Guidelines**

*Continuation of treatment only*

##### **Opioid dependence**

*Acamprosate*

*Nalmefene*

*Lofexidine*

*Methadone*

*Buprenorphine*

*Naltrexone*

**See Guidelines**

*Continuation of treatment only*

*Mental Health advice or continuation of treatment only*

*Mental Health advice or continuation of treatment only*

Nicotine patches, nicotine mini lozenges and inhalators

*Bupropion*

*Varenicline*

#### **4.11 DRUGS FOR DEMENTIA**

*Memantine*

*Donepezil*

*Galantamine*

*Galantamine SR.*

*Rivastigmine (oral & patches)*

## CHAPTER 5: INFECTIONS

*All drugs in italics must be recommended by a Consultant Microbiologist or Consultant in Infectious Disease, unless otherwise stated.*

### 5.1 ANTIBACTERIAL DRUGS

#### 5.1.1 Penicillins

Benzylpenicillin intravenous treatment

Penicillin V (Phenoxyethylpenicillin)

#### 5.1.1.2 Penicillinase – resistant Penicillins

Flucloxacillin

*Temocillin Consultant in Infectious Diseases or Microbiology*

#### 5.1.1.3 Broad-Spectrum Penicillins

Amoxicillin

Co-amoxiclav

#### 5.1.1.4 Antipseudomonal Penicillins

*Piperacillin/Tazobactam Consultant in Infectious Diseases or Microbiology*

#### 5.1.1.5 Mecillinams

*Pivmecillinam Hydrochloride Consultant in Infectious Diseases or Microbiology*

### 5.1.2 CEPHALOSPORINS AND BETA-LACTAMS

#### CEPHALOSPORINS

Cefradine (Cephadrine)

Cefotaxime intravenous treatment

*Ceftazidime*

*Ceftazidime/Avibactam Infusion Consultant in Infectious Diseases or Microbiology*

*Ceftriaxone meningitis contacts*

*Cefuroxime Consultant in Infectious Diseases or Microbiology*

#### OTHER BETA-LACTAMS

*Aztreonam Consultant in Infectious Diseases or Microbiology*

*Meropenem Consultant in Infectious Diseases or Microbiology*

*Ertapenem Infectious Diseases Consultants in OUTPATIENTS only*

Cephalosporin antibiotic combined with beta-lactam inhibitor

*Ceftolozane/Tazobactam Consultant in Infectious Diseases or Microbiology*

### 5.1.3 TETRACYCLINES

Tetracycline

Doxycycline

Demeclocycline

Oxytetracycline

*Tigecycline*

*Consultant in Infectious Diseases or Microbiology  
recommendation only*

#### **5.1.4 AMINOGLYCOSIDES**

*Gentamicin*

*Netilmicin*

*Amikacin*

*Tobramycin*

*Tobramycin inhaled*

*Respiratory specialist (when patient  
Intolerant of Colomycin)*

#### **5.1.5 MACROLIDES**

*Clarithromycin*

*Azithromycin*

*Erythromycin*

*Accident and Emergency  
Paediatrics and Obstetrics*

#### **5.1.6 CLINDAMYCIN**

*Clindamycin*

*Dental Surgery/Prophylaxis  
Cellulitis (if patient Penicillin sensitive)*

#### **5.1.7 OTHER ANTIBIOTICS**

*Sodium Fusidate/ Fusidic Acid*

*Consultant in Infectious Diseases or Microbiology  
for IV preparation*

*Teicoplanin*

*Chloramphenicol*

*Colistin*

*Linezolid*

*Tedizolid*

*Vancomycin*

*Daptomycin*

*Fidaxomicin*

*Rifaximin*

*Fosfomicin*

*Dalbavancin*

*Consultant in Infectious Diseases or Microbiology  
Consultant in Infectious Diseases or Microbiology*

*Consultant in Infectious Diseases or Microbiology  
In line with SMC guidance recurrent C.Difficile only*

*Consultant in Infectious Diseases/Microbiology  
Consultant in Infectious Diseases/Microbiology*

#### **5.1.8 SULPHONAMIDES AND TRIMETHOPRIM**

*Trimethoprim*

*Co-trimoxazole*

*Sulfadiazine*

#### **5.1.9 ANTITUBERCULOUS DRUGS**

*Specialist recommendation – See BNF for appropriate drugs*

*Ethambutol*

*Isoniazid*

*Pyrazinamide*

*Rifampicin*

*MDR TB*

*Bedaquiline (Sirturo®)*

*Delamanid (Delyba®)*

#### **5.1.10 ANTILEPTIC DRUGS**

*Specialist recommendation – See BNF for appropriate drugs*

### **5.1.11 METRONIDAZOLE**

Metronidazole

### **5.1.12 QUINOLONES**

Ciprofloxacin

Levofloxacin

Ofloxacin

Moxifloxacin

*After discussion with Microbiology  
Sexual Health Medicine/Respiratory Medicine  
Consultant only (after discussion with Microbiology)  
Or Consultant Respiratory Physician*

### **5.1.13 URINARY TRACT INFECTIONS**

Nitrofurantoin

Trimethoprim see 5.1.8

Methenamine hippurate

*For use in adults only*

## **5.2 ANTIFUNGAL DRUGS**

Fluconazole

Nystatin oral

Amphotericin

Amphotericin (liposomal)

Amphotericin(lipid complex)

Caspofungin

Anidulafungin

Flucytosine

Griseofulvin

Itraconazole

Posaconazole

Isavuconazole

Terbinafine

Voriconazole

Clotrimazole Preparations see Section 7.2.2 and 13.10.2

*Haematology or Consultant Microbiologist/Infectious Diseases*

*Haematology or Consultant Microbiologist/Infectious Diseases*

*Haematology or Consultant Microbiologist/Infectious Diseases*

*Haematology*

*Consultant Microbiologist/Infectious Diseases*

*Specialist Use/Named Patient*

*Haematology*

*Consultant Microbiologist/Infectious Diseases*

*Consultant Microbiologist/Infectious Diseases*

*Dermatology*

## **5.3 ANTIVIRAL DRUGS**

### **5.3 ANTIVIRAL DRUGS**

#### **Aciclovir**

Ganciclovir

Valaciclovir

Valganciclovir

Famciclovir

Sofosbuvir

Simeprevir

Daclatasvir

*Cytomegalovirus Infection*

*Sexual Health Medicine*

*as per NICE guidance and commissioning position*

*as per NICE guidance*

*as per NICE guidance*

## **HUMAN IMMUNODEFICIENCY VIRUS (HIV)**

### **Nucleoside reverse transcriptase inhibitors (NRTIs)**

Abacavir

Didanosine (not for initiation, just continuation until review)

Emtricitabine

Lamivudine

Stavudine (not for initiation, just continuation until review)

Tenofovir disoproxil fumarate  
Zidovudine

Fixed dose combinations

TRUVADA®

KIVEXA®

TRIZIVIR® (not for initiation, just continuation until review)

Zidovudine 300mg/ Lamivudine 150mg

Descovy® (Emtricitabine/ Tenofovir Alafenamide Or F/TAF)

Efavirenz

Etravirine

Nevirapine

Rilpivirine

Odefsey® (Rilpivirine/ Emtricitabine/ Tenofovir Alafenamide/ )

Darunavir/Cobicistat (Rezolsta®)

Atazanavir/Cobicistat (Evotaz®)

Elviregravir/Cobicistat/Emtricitabine/Tenofovir Alafenamide (Genvoya®)

Fixed dose combinations

ATRIPLA®

EVIPLERA®

### **Protease Inhibitors**

Atazanavir

Darunavir

Fosamprenavir (not for initiation, just continuation until review)

Indinavir (not for initiation, just continuation until review)

Kaletra® (lopinavir 200mg/ ritonavir 50mg per tablet)

Ritonavir (low dose as a pharmacological booster)

Tipranavir (not for initiation, just continuation until review)

Saquinavir (not for initiation, just continuation until review)

### **Integrase inhibitors**

Raltegravir

Dolutegravir

Fixed dose combinations

STRIBILD®

TRIUMEQ®

### **Others**

Maraviroc

Enfuviritide (T-20)

Cobicistat/ Tybost® (pharmacological booster alternative to ritonavir)

### **HEPATITIS C**

All specialist indications

Treatment should be initiated as part of a combination regimen as per NICE guidance/ NHSE commissioning policies.

Pegylated interferon alfa-2b (Viraferon Peg®)

Pegylated interferon alfa-2a (Pegasys®)  
Ribavirin  
Boceprevir  
Telaprevir  
Simeprevir (Olysio®)  
Sofosbuvir (Solvaldi®)  
Daclatasvir (Daklinza®)  
Ombitasvir/Paritaprevir/Ritonavir (Viekirax®)  
Sofosbuvir/Ledipasvir (Harvoni®)  
Sofosbuvir–velpatasvir (Epclusa) in line with NICE TA 430  
Dasabuvir (Exviera®)  
Elbasvir / Grazoprevir (Zepatier®)  
Sofosbuvir/Velpatasvir/Voxilaprevir (Vosevi) in line with NICE

#### **5.3.4 INFLUENZA**

*Oseltamivir*  
*Zanamivir*

#### **5.3.5 RESPIRATORY SYNCYTIAL VIRUS**

*Palivizumab*  
*Ribavirin*

#### **5.4 ANTIPROTOZOAL DRUGS**

*Specialist recommendation – See BNF for appropriate drugs – includes **tinidazole***

*Artemether with lumefantane (Riamet®)    Consultant in Infectious Diseases*

*Artesunate*

#### **5.5 ANTIHELMINTICS**

*Specialist recommendation – See BNF for appropriate drugs*

# CHAPTER 6: ENDOCRINE SYSTEM

## 6.1. DRUGS USED IN DIABETES

### 6.1.1 Insulin

#### 6.1.1.1 Short Acting Insulins

Fiasp (Fast acting Insulin Aspart)

Human Actrapid

Humulin S

*Humulin R*

Insulin Lispro (Humalog)

Insulin Aspart (*Novorapid, Novomix 30*)

Insulin Glulisine (Apidra)

Insuman rapid

#### 6.1.1.2 Intermediate & Long Acting insulins

Human Insulatard

Insulin Isophane Human (Humulin I)

Porcine Insulatard

Human Monotard

Human Ultratard

Insuman Basal

Insulin Detemir (Levemir)

Insulin Glargine (Lantus® 100units/ml & Toujeo® 300units/ml)

*Insulin Degludec (Tresiba® 100units/ml & 200units/ml) Consultant Endocrinologist only*

#### Biphasic Insulins

Pork Mixtard 30

Insulin Isophane Human (Humulin M3)

#### Biphasic Insulin Aspart

Insulin Lispro (Humalog Mix25)

Insulin Lispro (Humalog Mix 50)

Insuman Comb

### 6.1.2 Oral antidiabetic Drugs

#### 6.1.2.1 Sulphonylureas

##### Gliclazide

Tolbutamide

*Glibenclamide*

*Glimepiride*

#### 6.1.2.2 Biguanides

Metformin tablets & sachets

Metformin SR tablets

#### 6.1.2.3 Other Antidiabetics



**Lixisenatide**

*Exenatide MR – Bydureon®*

*Liraglutide (Victoza®)*

*Dulaglutide*

*Semaglutide*

*Nateglinide*

*Pioglitazone*

*Pioglitazone/metformin (Competact®)*

*Linagliptin*

*Sitagliptin*

*Saxagliptin*

*Alogliptin*

*Empagliflozin*

*Dapagliflozin*

*Canagliflozin*

*Specialist use only as per guidelines*

*Specialist use only as per guidelines*

*Specialist use only as per guidelines*

*Specialist use only as per guidelines*

*Specialist use only as per guidelines*

**6.1.4 Treatment of Hypoglycaemia**

Dextrose (Hypostop)

Glucagon

**6.2. THYROID AND ANTITHYROID DRUGS****6.2.1 Thyroid hormones**

Levothyroxine

*Liothyronine*

**6.2.2 Antithyroid Drugs**

Carbimazole

Propylthiouracil

*Lugols Iodine*

**6.3. CORTICOSTEROIDS****6.3.1 Replacement Therapy**

Fludrocortisone

**6.3.2 Glucocorticoid Therapy**

Prednisolone

Dexamethasone

Hydrocortisone

Methylprednisolone

*Betamethasone*

*Deflazacort*

*Triamcinolone*

*Rheumatology*

*Rheumatology*

**6.4 SEX HORMONES****6.4.1 Female sex hormones**

OESTROGEN + PROGESTOGEN PREPARATIONS

*Prempak C®*

*Nuvelle®*

*Kliofem®*

*Kliovance®*

*Premique Cycle®*

*Femseven Conti®*

## DROSPIRENONE WITH ETHINYLESTRADIOL PREPARATIONS

Yasmin<sup>®</sup>

Daylette<sup>®</sup>

## OESTROGENS

*Ethinylestradiol*

*Conjugated Oestrogens (Premarin<sup>®</sup>)*

*Estradiol*

*Estradiol hemihydrate (Aerodiol<sup>®</sup>)*

*Estradiol Valerate (Progynova<sup>®</sup>)*

*Estradiol (Estraderm MX<sup>®</sup>)*  
*(or Evorel Matrix<sup>®</sup>)*

*Tibolone*

*Estradiol 0.1% (Sandrena<sup>®</sup>)*

*second line after tablets and patches*

*Estradiol 0.06% (Oestrogen<sup>®</sup>)*

*second line after tablets and patches*

## RALOXIFENE

*Raloxifene*

### 6.4.1.2 Progestogens & Progesterone Receptor Modulators

*Dydrogesterone*

*Medroxyprogesterone*

*Norethisterone*

*Progesterone*

*Ulipristal Acetate Esmya<sup>®</sup>*

### 6.4.2 Male Sex Hormones & Antagonists

Testosterone (e.g. implants, Sustanon<sup>®</sup>, Nebido<sup>®</sup>)

Testosterone gel (Tostran<sup>®</sup>2%)

## ANTI-ANDROGENS

Cyproterone

*Finasteride*

*Urologists*

*Dutasteride*

*Urologists*

## 6.5 HYPOTHALMIC & PITUITARY HORMONES & ANTI-OESTROGENS

### 6.5.1 Hypothalamic and Anterior pituitary hormones and antioestrogens

#### ANTIOESTROGENS

Clomifene

Tamoxifen See Chapter 8.3.4

*Thyrotropin Alfa (Thyrogen<sup>®</sup>)*

#### ANTERIOR PITUITARY HORMONES

##### CORTICOTROPHINS

Tetracosactide (Synacthen<sup>®</sup>)

##### GONADOTROPHINS

*Pregnyl<sup>®</sup>*

*Follitropin (Gonal F<sup>®</sup>)*

#### GROWTH HORMONE

### *Somatropin*

- *Gentropin*
- *Humatrope*
- *Norditropin*
- *NutropinAq*
- *Omnitrope*
- *Saizen*
- *Zomacton*

### HYPOTHALAMIC HORMONES

<i>Gonadorelin</i>	<i>Specialist Investigational Use</i>
<i>Protirelin</i>	<i>Specialist Investigational Use</i>
<i>Sermorelin</i>	<i>Specialist Investigational Use</i>
<i>Pegvisomant (Somavert) Injection</i>	

### **6.5.2 Posterior Pituitary Hormones & Antagonists**

Argipressin (Synthetic Vasopressin)opressin

Terlipressin Acetate

*Tolvaptan* ***Restricted to Consultant Endocrinologists/Consultant Oncologists***

**The name of the approving specialist should be recorded on the drug chart, to confirm that use is appropriate**

*Tolvaptan* *Restricted to Renal Consultants In line with NICE TA358*

*Desmopressin Acetate*

### ANTI-DIURETIC HORMONE

Demeclocycline see section 5.1.3

## **6.6. DRUGS AFFECTING BONE METABOLISM**

### **6.6.1 Calcitonin and parathyroid hormone**

Calcitonin (salmon)

*Teriparatide* *Metabolic Bone/Endocrinology/Rheumatology*

### **6.6.2 Bisphosphonates**

*Disodium Pamidronate*

*Risedronate*

*Sodium Clodronate*

*Calcium combination pack*

*Alendronic Acid Effervescent* ‘only for patients who cannot take oral tablets’

*Alendronate* *Rheumatologist*

*Zoledronic acid injection (Zometa®)*

*Zoledronic acid infusion (Aclasta®)* *Metabolic Bone/Rheumatology*

*Ibandronic acid oral (Bondronat®)* *Haematology/Oncology*

*Ibandronic acid injection (Bonviva®)* *Metabolic Bone/Endocrinology/Rheumatology*

*Denosumab (Prolia®)* *Metabolic Bone/Endocrinology/Rheumatology*

*Denosumab (XGEVA®)* *Oncology*

## **6.7. OTHER ENDOCRINE DRUGS**

### **6.7.1 Bromocriptine and other Dopamine Receptor stimulants**

Bromocriptine

*Cabergoline*

*Quinagolide*

### **6.7.2. Drugs affecting Gonadotrophin**

*Danazol*

GOSERELIN ANALOGUES

*Goserelin*

*Nafarelin*

*Triptorelin (Decapeptyl® SR)*

### **6.7.3 Metyrapone**

*Metyrapone*

# CHAPTER 7: OBSTETRICS, GYNAECOLOGY, AND URINARY TRACT DISORDERS

## 7.1 DRUGS USED IN OBSTETRICS

### 7.1.1. Prostaglandins & Oxytocics

Dinoprostone

Carboprost

Ergometrine

Oxytocin (Syntocinon®)

Oxytocin with ergometrine (Syntometrine®)

Misoprostol

*Carbetocin*

#### 7.1.1.1 Ductus Arteriosus

MAINTENANCE OF PATENCY

Alprostadil

CLOSURE OF DUCTUS

Indometacin

Ibuprofen I/V

### 7.1.2 Mifepristone *SPECIALIST USE ONLY*

*Mifepristone*

### 7.1.3 Myometrial Relaxants

Ritodrine

*Atosiban*

## 7.2 TREATMENT OF VAGINAL AND VULVAL CONDITIONS

### 7.2.1 Preparations for Vaginal Atrophy

Topical Oestrogens.

Premarin®

Estradiol Vaginal Tablets

### 7.2.2 Anti infective Drugs (Topical)

CANDIDIASIS

Clotrimazole

Cream/Pessary

Miconazole

OTHER INFECTIONS

Clindamycin Vaginal Cream

Metronidazole Vaginal Cream

Nystatin Vaginal Cream

### **7.3 CONTRACEPTIVES**

#### **7.3.1. Combined Oral Contraceptives**

##### **LOW STRENGTH**

Mercilon®

Nuvaring®

##### **STANDARD STRENGTH**

Cilest®

Femodene®

Millinette®

Logynon®

Marvelon®

Minulet®

Ovranette®/Microgynon 30®

Eugynon 30®

Trinovum®

Lucette®

Loestrin 30®

Zoely® (Estradiol with Nomegestrol acetate)

On advisement of sexual health services only

Evra Patches (Ethinylestradiol with Norelgestromin)

#### **7.3.2.1 Oral Progestogen-only Contraceptives**

Norethisterone

Norgestrel

#### **7.3.2.2 Parenteral progestogen-only contraceptives**

Medroxyprogesterone (Depo-provera®)

Medroxyprogesterone (SAYANA PRESS®) On advisement of sexual health services only

#### **7.3.2.3 Intra-uterine progestogen-only contraceptive**

Levonorgestrel 24 hour I.U.D. (Mirena®, Jaydess®, Levosert®, Kyleena®)

Etonogestrel Implant (Nexplanon®)

#### **7.3.4. Intrauterine Contraceptive Devices**

*Copper T 380A*

*T-Safe 380A Quick load*

*TT380 Slimline*

*Load 375*

*Mini TT 380 Slimline*

*Nova T 380*

#### **7.3.5 Emergency Contraception**

*Ulipristal Acetate ellaOne®*

*On advisement of sexual health services only*

*Levonorgestrel (Upostelle®)*

### **7.4 DRUGS FOR GENITO-URINARY DISORDERS**

#### **7.4.1 Drugs for urinary retention**

##### **ALPHA-BLOCKERS**

Terazosin

Alfuzosin

Tamsulosin

PARASYMPATHOMIMETICS

#### **7.4.2 Drugs for urinary frequency and incontinence**

##### URINARY INCONTINENCE

Oxybutynin Tablets

Oxybutynin XL

*Tolterodine*

*Urologist*

*Trospium*

*Urologist*

NOTE – Trospium S/R is non-formulary. Caution – daily dose is not same as plain tablets

*Solifenacin*

*Urologists*

*Duloxetine (e.g. Yentreve®)*

*Obstetrics and Gynaecology*

*Oxybutynin Transdermal Patch (Kentera)*

*Oxybutynin Liquid*

*Paediatrics Only*

*Fesoterodine Fumerate (Toviaz)*

*Mirabegron*

#### **7.4.3 Urological Pain**

Potassium Citrate

*Cystistat Bladder Wash*

*Pentosan (Elmiron®)*

#### **7.4.4 Bladder instillations**

Chlorhexidine bladder washes

Solution-G bladder washes

Sodium Chloride 0.9% bladder washes

Solution-R bladder washes

#### **7.4.5 Drugs for Impotence**

Sildenafil

*Alprostadil (Muse®)*

*Alprostadil (Caverject®)*

*Alprostadil (Viridal®)*

*Alprostadil (Vitaros®)*

*Apomorphine (sublingual)*

*Papaverine*

*Vardenafil*

*Tadalafil*



# CHAPTER 8: MALIGNANT DISEASE AND IMMUNOSUPPRESSION

## 8.1 CYTOTOXIC DRUGS

All items in italics are Specialist Use ONLY, and should only be prescribed by Consultant Oncologist, Haematologist and their teams.

*Disodium folinate*

### 8.1.1 Alkylating Agents

Cyclophosphamide

*Bendamustine*

*Busulfan*

*Carmustine*

*Carmustine Implant*

*Chlorambucil*

*Estramustine*

*Ifosfamide*

*Lomustine*

*Melphalan*

*Treosulfan*

UROTHELIAL TOXICITY

Mesna

### 8.1.2 Cytotoxic Antibiotics

*Bleomycin*

*Dactinomycin*

*Daunorubicin*

*Doxorubicin*

*Doxorubicin liposomal* (Caelyx® or Myocet® depending on indication)

*Doxorubicin and DC beads (for precision TACE)*

*Epirubicin*

*Idarubicin*

*Mitomycin*

*Mitoxantrone*

### 8.1.3 Antimetabolites

Mercaptopurine

Methotrexate

*Azacitidine*

*Capecitabine*

*Cladribine*

*Cytarabine*

*Liposomal Cytarabine*

*Fludarabine*

*Fluorouracil*

*Gemcitabine*

*Tioguanine (Thioguanine)*

*Pemetrexed*

*for treatment of mesothelioma*

*Raltitrexed*

*Teysuno*

## FOLINIC ACID RESCUE

Calcium Folate

### 8.1.4 Vinca Alkaloids and etoposide

*Etoposide*

*Vinblastine*

*Vincristine*

*Vindesine*

*Vinorelbine*

### 8.1.5 Other Antineoplastic agents

*Abemaciclib* *Approved in line with NICE guidance*

*Afatinib* *Approved in line with NICE guidance*

*Alectinib* *Approved in line with NICE guidance*

*Arsenic Trioxide*

*Atezolizumab*

*Avelumab*

*Axitinib*

*Azacytidine (Vidaza)*

*Amsacrine*

*Bevacizumab*

*Bexarotene* *PbR excluded. PCT treatment exemption panel approval required*

*Bortezomib*

*Brentuximab* *Approved in line with NICE guidance*

*Brigatinib*

*Bosutinib*

*Carboplatin*

*Carfilzomib* *in line with NICE for first relapse of myeloma in patients not previously treated with Bortezomib*

*Ceritinib*

*Cetuximab*

*Cisplatin*

*Crizotinib* *In line with NICE*

*Dacarbazine*

*Daratumumab*

*Dasatinib*

*Docetaxel*

*Durvalumab* *Approved in line with NICE guidance*

*Eribulin*

*Erlotinib*

*Everolimus* *as per NICE guidance*

*Gefitinib*

*Hydroxycarbamide (Hydroxurea)*

*Idelalisib*

*Imatinib*

*Irinotecan*

*Ipilimumab*

*Ixazomib*

*Nilotinib*

*Nintedanib (Vargatef®) for nsclc with docetaxel*

*Niraparib* *In line with NICE*

<i>Nivolumab</i>	<i>In line with NICE</i>
<i>Obinutuzumab</i>	<i>In line with NICE TA343/TA4 72/TA513</i>
<i>Olaratumab/Lartruvo</i>	
<i>Oxaliplatin</i>	
<i>Olaparib</i>	<i>In line with NICE TA381</i>
<i>Osimertinib</i>	
<i>Paclitaxel</i>	
<i>Palbociclib</i>	
<i>Panobinostat</i>	<i>In line with NICE TA380</i>
<i>Pazopanib</i>	
<i>Pegaspargase</i>	
<i>Pentostatin</i>	
<i>Pomalidomide</i>	
<i>Procarbazine</i>	
<i>Regorafenib (Stivarga)</i>	<i>In line with NICE guidance</i>
<i>Ribociclib</i>	
<i>Sunitinib</i>	
<i>Temozolamide</i>	
<i>Tivozanib</i>	
<i>Topotecan</i>	
<i>Trastuzumab</i>	
<i>Tretinoin</i>	
<i>Trabectedin</i>	<i>Use in line with NICE TA185 &amp; Cancer Network Guidelines</i>
<i>Trifluridine–tipiracil</i>	
<i>Vemurafenib</i>	<i>Use in line with NICE TA269 &amp; Cancer Network Guidelines</i>

## **National Cancer Drugs Fund List**

**For the following list of drugs:**

*Abiraterone*  
*Bendamustine*  
*Bevacizumab*

*Bortezomib*  
*Cabazitaxel*  
*Cabozantinib*  
*Clofarabine*  
*Dabrafenib*  
*Dasatinib*  
*Ibrutinib*  
*Lenalidomide*  
*Mepolizumab*  
*Nelarabine*  
*Panitumumab*  
*Pegylated Liposomal Doxorubicin*  
*Pemetrexed*  
*Ponatinib*  
*Radium 223 Dichloride*  
*Ruxolitinib*  
*Sorafenib*  
*Sunitinib*  
*Temsirolimus*  
*Trametinib*  
*Trastuzumab emtansine in line with NICE TA 458*

Vandetanib  
Venetoclax  
Vismodegib

Please see the National Cancer Drugs Fund List for recommendations for use/indications which can be found here <https://www.england.nhs.uk/ourwork/cancer/cdf/>

## 8.2 DRUGS AFFECTING THE IMMUNE RESPONSE

### 8.2.1 Cytotoxic Immunosuppressants

Azathioprine

*Mycophenolate Mofetil*

*Specialist Use/ Transplant*

*Mycophenolic Acid (Myfortic)*

*Specialist Use/ Transplant*

### 8.2.2 Corticosteroids and other immunosuppressants

Ciclosporin (Cyclosporin)

Prednisolone see 6.3.2

*Sirolimus*

*Specialist Use/Transplant*

*Tacrolimus*

*Specialist Use/ Transplant*

*Everolimus*

*As per NICE guidance/Transplant via chairs approval &NHSE IFR only*

### 8.2.3 Anti-lymphocyte monoclonal antibodies

*Rituximab*

*Haematologist/Rheumatologist*

*Rituximab*

*ANCA associated vasculitis*

*Rituximab NHSE IFR required*

*Relapsing idiopathic membranous glomerulonephritis (IMN)*

*Alemtuzumab*

*Haematologists, Oncologists & Neurologists*

*Pertuzumab*

*Use in line with NICE*

*Pembrolizumab*

*Use in line with NICE*

*Natalizumab*

### 8.2.4 Other Immunomodulating Drugs

*Cladribine Tablets*

*Use in line with NICE TA493 Remitting Multiple Sclerosis*

*Interferon alfa*

*according to protocol*

*Interferon beta*

*according to contract*

*Peginterferon alfa*

*Peginterferon Beta 1a*

*Glatiramer*

*Fingolimod*

*Thalidomide*

*Use in line with NICE TA228 & Cancer Network Guidelines*

*Glatiramer Acetate*

*Use in line with NICE*

*Dimethyl Fumarate*

*Use in line with NICE*

*Teriflunomide*

*Use In line with NICE TA 303*

*Lenalidomide*

*Use in line with NICE TA 171*

*Daclizumab*

*Use in line with NICE TA 441*

*Ocrelizumab*

## 8.3 SEX HORMONES AND HORMONE ANTAGONISTS IN MALIGNANT DISEASE

### **8.3.1 Oestrogens**

Diethylstilbestrol

### **8.3.2 Progestogens**

Medroxyprogesterone

Megestrol acetate

### **8.3.4 Hormone Antagonists**

#### **8.3.4.1 Breast Cancer**

Tamoxifen

*Aminoglutethimide*

*Anastrozole*

*Exemestane*

*Letrozole*

*Fulvestrant*

#### **8.3.4.2 Prostate Cancer**

*Abitaterone Acetate*

Cyproterone

Goserelin

Flutamide

Bicalutamide

Degarelix

Leuprorelin

*Enzalutamide*

#### **8.3.4.3 Somatostatin analogues**

Octreotide

*Lanreotide*

*Sandostatin LAR<sup>®</sup>*

*Pasireotide (Signifor<sup>®</sup>)*

*NHSE IFR only*

## CHAPTER 9: NUTRITION AND BLOOD

### 9.1 ANAEMIAS & SOME OTHER BLOOD DISORDERS

#### 9.1.1.1 Oral Iron

Ferrous Sulphate

Ferrous Fumarate

Sodium feredetate (Sodium Iron Edetate)

*Feracru (Ferric Maltol)*                      *To be prescribed by IBD Clinicians only.*

#### 9.1.1.2 Parenteral Iron

Iron sucrose complex (Venofer®)                      IV infusion

*Iron dextran (Cosmofer®)*

*Iron (III) Isomaltoside 1000 (Monofer®)*                      *Approved for Renal Medicine & Cardiac Surgery*

*Iron (III) Isomaltoside (Diafer®)*                      *Approved for Renal Medicine*

#### 9.1.2 Drugs used in megaloblastic anaemias

Hydroxocobalamin

Folic Acid

Cyanocobalamin

#### 9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias

*Darbepoetin Alfa*

*Epoetin Alfa*

*Epoetin Beta*

*Eculizumab*                      *in line with NICE Guidance [HST1](#)*

#### IRON OVERLOAD

Desferrioxamine

#### 9.1.4 Drugs used in platelet disorders

*Anagrelide*

*Romiplostim*                      *Use in line with NICE TA221 & Cancer Network Guidelines*

*Eltrombopag*                      *Haematology only*

#### 9.1.6 Drugs used in neutropenia

*Filgrastim*

*Pegfilgrastim*

*Lenograstim*

### 9.2 FLUIDS & ELECTROLYTES

#### 9.2.1 Oral Administration

##### 9.2.1.1 Oral Potassium

Sando K®

Kay- Cee- L Liquid

Potassium Chloride SR (Slow-K®)

#### POTASSIUM REMOVAL

Calcium resonium

Resonium A

##### 9.2.1.2 Oral Sodium and Water

Sodium Chloride

#### ORAL REHYDRATION SALTS

Dioralyte

### **9.2.1.3 Oral Bicarbonate**

Sodium Bicarbonate

### **9.2.2 Parenteral Fluids.**

Sodium Chloride 0.9%

Dextrose 5%

Hartmann's Solution

Ringers Solution

Dextrose 4% & Sodium Chloride 0.18%

Dextrose 10% & Sodium Chloride 0.18%

Dextrose 10% with Potassium for glucose potassium insulin (GKI) infusion

*Sodium Chloride 0.45% & Dextrose 5%*

*Dextrose 5% with range of potassium strengths*

*Sodium Chloride 0.9% with range of potassium strengths*

*Potassium Chloride 15% Controlled Drug*

SODIUM BICARBONATE

Sodium Bicarbonate 1.26%

*Sodium Bicarbonate 8.4%*

All other fluids only available on specific requests

### **9.2.2.2 Plasma Substitutes**

Gelatin (Volplex<sup>®</sup>)

Hydroxyethyl starch (Voluven<sup>®</sup>)

*Albumin Solution*

*Contact Haematology Dept.*

*Volulyte*

## **9.3 INTRAVENOUS NUTRITION**

*Seek Specialist Advice from nutrition team*

*As contract specified*

## **9.4 ENTERAL NUTRITION**

*Pre-op*

*Restricted to Dr Prescribing*

*Only for elective surgery.*

*Seek Specialist Advice from Dietetics department.*

*As contract specified*

## **9.5 MINERALS**

### **9.5.1.1 Calcium Supplements**

Sandocal- 1000

Calcichew

Calcichew Forte

Calcium Sandoz –liquid

Parenteral – Calcium Chloride or Calcium Gluconate

### **9.5.1.2 Hypercalcaemia and hypercalciuria.**

Cinacalcet

Etelcalcetide Injection

### **9.5.1.3 Magnesium Supplements**

Parenteral – Magnesium Sulphate  
Magnaspartate Sachets  
Magnesium Glycerophosphate Tablets

### **9.5.2 Phosphorus**

Phosphate-Sandoz  
Sodium Phosphate Oral Solution

### **9.5.2.2 Phosphate-binding Agents**

Calcium Acetate  
Aluminium Hydroxide  
Sevelamer  
*Sevelamer (Renvela®) Powder Sachets Only*  
Sucroferric oxyhydroxide (Velphoro®)  
Lanthanum Carbonate

### **9.5.3 Fluoride**

Duraphat Toothpaste 2800 ppm (Sodium Fluoride 0.619%)  
Duraphat Toothpaste 5000ppm (Sodium Fluoride 1.1%)  
Sodium Fluoride 0.05% Mouthwash

### **9.5.4 Zinc**

Zinc Sulphate

### **9.5.5 Selenium**

Selenium

## **9.6 VITAMINS**

### **9.6.1 Vitamin A**

Vitamin A

### **9.6.2 Vitamin B group**

Thiamine (B1)  
Pabrinex (B&C)  
Pyridoxine (B6)  
Vitamin B Compound Strong  
Vitamin B Compound  
Biotin  
Pyridoxal

### **9.6.3 Vitamin C**

Ascorbic acid

### **9.6.4 Vitamin D**

Alfacalcidol  
Calcium & Vitamin D (Calcium and Ergocalciferol tablets)  
Calcium Carbonate 1.25 g (calcium 500 mg) & colecalciferol 10 micrograms (Calcichew D3 Forte®)  
Calcium Carbonate 1.5g (calcium 600mg) & colecalciferol 10 micrograms (Adcal – D3®)  
Calcium Carbonate 1.25g (calcium 500mg) & colecalciferol 11micrograms (Cacit D3® granules)  
Ergocalciferol  
Paricalcitol  
Colecalciferol  
Colecalciferol



Colecalciferol Solution (InVitaD3)

**9.6.5 Vitamin E**

Alpha Tocopheryl acetate

Vitamin E Suspension

**9.6.6 Vitamin K**

Menadiol sodium phosphate

Phytomenadione

**9.6.7 Multivitamin preparations**

Abidec<sup>®</sup> drops

Vitamin Capsules

Ketovite<sup>®</sup> tablets/liquid

Multivitamins

Forceval<sup>®</sup>

*Sanatogen A-Z complete<sup>®</sup>*

**9.8.1 Wilson's Disease**

Penicillamine

Carnitine deficiency

*Carnitine*

# CHAPTER 10: MUSCULOSKELETAL AND JOINT DISEASES

## 10.1 DRUGS USED IN RHEUMATIC DISEASE AND GOUT

### 10.1.1 Non-steroidal anti-inflammatory drugs.

#### Ibuprofen

Naproxen

Diclofenac

(*Dyloject*®)

*For IV use only in Theatres*

Diclofenac with misoprostol

Indometacin

Ibuprofen gel 5%

Mefenamic acid

Naproxen

*Celecoxib*

*Etoricoxib*

### 10.1.2 Corticosteroids

#### 10.1.2.1 Systemic Corticosteroids      See section 6.3

#### 10.1.2.2 Local Corticosteroid injection

Dexamethasone sodium phosphate

Hydrocortisone acetate      (*Hydrocortistab*®)

Methylprednisolone      (*Depo-Medrone*®)

Triamcinolone acetonide      (*Adcortyl*®, *Kenalog*®)

### 10.1.3 Drugs which suppress the rheumatic disease process

#### GOLD

Sodium Aurothiomalate

#### PENICILLAMINE

Penicillamine

#### ANTIMALARIALS

Chloroquine      see section 5.4.1

Hydroxychloroquine

#### IMMUNOSUPPRESSANTS

*Apremilast – for psoriatic arthritis*

*in line with NICE TA433*

Azathioprine

Ciclosporin (*Cyclosporin*)

Methotrexate

*Leflunomide*

*Rheumatologists*

*Etanercept*

*Certolizumab Pegol*

*Rheumatologists*

*Infliximab*

*Dermatology/Rheumatology/Gastroenterology*

*Anakinra*

*Rheumatologists*

*Adalimumab*

*Rheumatologist/Gastroenterologists/Dermatology*

*Tocilizumab*

*Rheumatology as per NICE guidance*

*Golimumab*

*Rheumatologists/Gastroenterologists*

*Abatacept*

*Rheumatologists*

*Vedolizumab*

*in line with NICE TA342*

*Tofacitinib (Xeljanz)*  
*Sarilumab*

*in line with NICE*  
*In line with NICE TA485*

SULFASALAZINE  
Sulfasalazine

#### **10.1.4 Drugs for treatment of gout**

##### **ACUTE ATTACKS**

Non-steroidal anti-inflammatory drugs see section 10.1.1

Colchicine

##### **INTERVAL TREATMENT**

Allopurinol

*Febuxostat*

Probenecid

*Rasburicase*

### **10. 2 DRUGS USED IN NEUROMUSCULAR DISORDERS**

#### **10.2.1 Drugs which enhance neuromuscular transmission**

##### **ANTICHOLINESTERASES**

Neostigmine

Pyridostigmine

#### **10.2.2 Skeletal muscle relaxants**

Baclofen

Dantrolene see 15.1.8

Diazepam see 4.1.2

*Tizanidine* *Neurologist*

##### **NOCTURNAL LEG CRAMPS**

Quinine Sulfate see 5.4.1

### **DRUGS FOR THE RELIEF OF SOFT-TISSUE INFLAMMATION**

#### **10.3.1 Enzymes**

Hyaluronidase

Collagenase Clostridium Histolyticum (Xiapex) in line with NICE TA 459

#### **10.3.2**

Rubefaciants and other topical antirheumatics

Capsaicin Cream

##### **TOPICAL NSAID'S**

Ibuprofen gel

Movelat

##### **POULTICES**

#### **Misc**

*Hylan G-F 20 (Synvisc®) – for patients with CCG IFR funding approval only*

# CHAPTER 11: EYE

*Products identified as specialist use products should only be prescribed after recommendation by a Consultant or Specialist Registrar in Ophthalmology.*

## 11.3 ANTI-INFECTIVE EYE PREPARATIONS

### 11.3.1 Anti-bacterials

Ofloxacin Eye Drops  
Chloramphenicol Eye-drops and Eye Ointment  
Fusidic acid Viscous Eye Drops  
Ciprofloxacin Eye Drops  
Gentamicin Eye drops  
Chlortetracycline Eye ointment  
Benzylpenicillin Eye-drops  
*Chlorhexidene Eye drops*  
*Gentamicin Forte Eye drops*  
*Propamidine Eye Drops*

### 11.3.2 Antifungals

*Clotrimazole Eye drops*                      *Named patient*  
*Natamycin Eye Drops*

### 11.3.3 Antivirals

Aciclovir Eye Ointment  
Ganciclovir Ophthalmic Gel  
(temporary addition to formulary during      cyclovir eye ointment manufacturing issues)

*Trifluorothymidine Eye Drops*      *Named patient*

## 11.4 CORTICOSTEROIDS AND OTHER ANTI-INFLAMMATORY.

### 11.4.1 Corticosteroids

Prednisolone Eye Drops  
Dexamethasone Eye Drops  
Betamethasone Eye Drops and Eye Ointment  
Fluorometholone Ophthalmic Suspension  
Maxitrol Eye drops  
Rimexolone Eye drops  
Tobramycin 0.3%/Dexamethasone 0.1% (Tobradex®)  
*Ciclosporin (Ikervis®) Eye Drops 0.1% single use eye drops*  
*Ciclosporin (Verkazia®) Eye Drops 0.1% single use eye drops*  
*Bromfenac Sodium sesquihydrate (Yellox®) eye drops*                      *Hospital use only*  
*Dexamethasone intravitreal implant*  
*Fluocinolone Acetonide (Iluvien®) Intravitreal Implant*

### 11.4.2 Other anti-inflammatory preparations

Nedocromil Sodium Eye Drops  
Sodium Cromoglicate Eye Drops  
*Levocabastine Eye Drops*  
*Olopatadine Eye Drops*

## 11.5 MYDRIATICS AND CYCLOPLEGICS ANTIMUSCARINICS

Cyclopentolate Eye Drops  
Atropine Sulphate Eye Drops  
Tropicamide Eye Drops  
Homatropine Eye Drops  
SYMPATHOMIMETICS  
Phenylephrine Eye Drops

## **11.6 TREATMENT OF GLAUCOMA**

### BETA-BLOCKERS

Timolol Eye Drops  
*Timolol Gel solution (Long-acting)*  
*Betaxolol Eye Drops*

### PROSTAGLANDIN ANALOGUES AND PROSTAMIDES

*Latanoprost & Latanoprost PF Eye-drops*  
*Travoprost Eye drops*  
*Bimatoprost & Bimatoprost PF Eye drops*  
*Tafluprost PF Eye Drops*

### Prostaglandin Analogues with Timolol

*Latanoprost with Timolol*  
*Travoprost 40micrograms/Timolol 5mg per ml (DuoTrav®)*  
*Bimatoprost with Timolol (Ganfort®)*  
*Tafluprost & Timolol (Taptiqom®)*

### SYMPATHOMIMETICS

*Brimonidine Eye drops*

### CARBONIC ANHYDRASE INHIBITORS AND SYSTEMIC DRUGS

Acetazolamide Injection and Capsules  
*Dorzolamide Eye Drops*  
*Brinzolamide Eye Drops*

### Carbonic anhydrase inhibitors with Timolol

Dorzolamide 2% / Timolol 0.5% eye drops  
*Brinzolamide 10mg / Timolol 5mg per ml (Azarga®)*

### MIOTICS

Pilocarpine Eye Drops

#### 11.6.6 Combination Preparations

Brinzolamide 10mg/ml & Brimonidine 2mg/ml (Simbrinza®)

## **11.7 LOCAL ANAESTHETICS**

Tetracaine (Amethocaine) Eye Drops  
Oxybuprocaine Eye drops  
Lidocaine (Lignocaine) with Fluorescein Eye Drops  
Proxymetacaine Eye Drops

## **11.8 MISCELLANEOUS OPHTHALMIC PREPARATIONS**

### **11.8.1 Tear Deficiency, Ocular Lubricants, and astringents**

Hypromellose Eye Drops  
Polyethylene Glycol 400 0.4%, propylene glycol 0.3%, hydroxypropyl guar (Systane®)  
Carmellose (Optive®) eye drops  
Carmellose (Celluvisc®) Liquid Gel  
Liquid Paraffin (Lacrilube®) Eye Ointment  
Carbomer (Polyacrylic Acid) Liquid Gel  
Polyvinyl alcohol Ophthalmic Solution  
Sodium Chloride Eye Drops 0.9% and 5%  
Acetylcysteine eye drops (Ilube®)  
*Sodium Hyaluronate (Artelac Rebalance®)*  
*Sodium Hyaluronate (HYLO-forte®)* *Consultant initiation only.*

### **11.8.2 Ocular Diagnostic and Peri Operative Preparations and Photodynamic Treatment**

*Apraclonidine Eye Drops*

*Balanced Salt Solution and Balanced salt Solution Plus*

*Diclofenac Ophtha Eye Drops*

*Fluorescein Eye Drops*

*HydroxyPropylMethylCellulose Eye Drops*

*Ketorolac Ophtha Eye Drops*

*Acetylcholine (Miochol) Eye Drops*

*Potassium Ascorbate Eye Drops*

*Povidone Iodine 5% Minims – for peri-operative use*

*Sodium Chloride Eye Drops*

*Sodium Citrate Eye Drops*

*Sodium Hyaluronate pfs (1ml) and (0.5ml) & Greater Viscosity (0.55ml) pfs*

*Sodium hyaluronate + lidocaine (Visthesia®)*

*Verteporfin*

*Aflibercept (Eylea®)*

*Ocriplasmin (Jetrea®)*

*Ranibizumab (Lucentis®)*

### **11.9 CONTACT LENS PREPARATIONS**

These products are not prescribable under the NHS, unless special exemption is obtained. Various preparations are available for sale.

# CHAPTER 12: EAR, NOSE, AND OROPHARYNX

AS PER BNF, CERTAIN PRODUCTS ARE LICENSED/APPROVED FOR BOTH AURAL AND OCULAR USE. See BNF section 11 for more detail.

## 12.1 DRUGS ACTING ON THE EAR

### 12.1.1 Otitis externa.

#### ASTRINGENT PREPARATIONS

Aluminium Acetate Ear Drops

#### ANTI-INFLAMMATORY PREPARATIONS

Hydrocortisone with Gentamicin Ear Drops (Gentisone HC<sup>®</sup>)

Betamethasone Ear Drops

Dexamethasone as Otomize Ear Drops

Prednisolone Ear Drops

#### ANTI-INFECTIVE PREPARATIONS

Gentamicin with Hydrocortisone Ear Drops (Gentisone HC<sup>®</sup>)

Clotrimazole

Framycetin as Sofradex<sup>®</sup> Ear Drops

Ciprofloxacin Cetraxal<sup>®</sup> Ear Drops

Ciprofloxacin & Fluocinolone Cetraxal Plus<sup>®</sup> Ear Drops

### 12.1.3 Removal of ear Wax

Sodium bicarbonate Ear Drops

Olive Oil

## 12.2 DRUGS ACTING ON THE NOSE

### 12.2.1 Drugs used in Nasal Allergy

#### ANTIHISTAMINES

Azelastine Nasal Spray

#### CORTICOSTEROIDS

Beclomethasone (Beclomethasone) Drops/ Nasal Spray

Budesonide Aqueous aerosol inhalation

Fluticasone Furoate (Avamys<sup>®</sup>)

Mometasone (Nasonex<sup>®</sup>)

Sodium Cromoglicate nasal Spray

Triamcinolone (Nasacort<sup>®</sup>) Nasal Spray

### 12.2.2 Topical Nasal Decongestant

Ephedrine Nasal Drops

Xylometazoline Nasal Drops

### 12.2.3 Anti-infective nasal preparations

Mupirocin (Bactroban<sup>®</sup>) nasal ointment

Chlorhexidine/Neomycin Nasal ointment (Naseptin<sup>®</sup>)

Hydroxyethylcellulose/Propylene Glycol/Octenidine Hydrochloride (Octenilin<sup>®</sup>)

## 12.3 DRUGS ACTING ON OROPHARYNX

### 12.3.1 Drugs for oral ulceration and inflammation

Benzydamine Mouthwash, Spray

Bonjela gel

Hydrocortisone Oral pellets

Orabase<sup>®</sup> Paste

Adcortyl in Orabase<sup>®</sup> Paste  
Tacrolimus 0.1% in Orabase<sup>®</sup> paste

### **12.3.2 Oropharyngeal Anti-infective Drugs**

Nystatin  
Amphotericin Lozenge  
*Miconazole oral gel*

### **12.3.3 Lozenges Sprays and Gels**

Dequalinium Lozenges  
Tyrothricin with Benzocaine (Tyrozets<sup>®</sup>)

### **12.3.4 Mouthwashes, gargles and Dentrifices**

Chloraseptic Spray  
Chlorhexidine Mouthwash  
Glycerin & Thymol Mouthwash  
Gelclair<sup>®</sup> Oral Gel  
*Caphosol*

### **12.3.5 Treatment of Dry Mouth**

Glandosane Solution  
Lemon Mouth Freshener  
Thera-med 2 in 1 Liquid  
Mucin oral spray (AS Saliva Orthana<sup>®</sup>)  
*Biotene Oral Balance<sup>®</sup> Gel*  
*Pilocarpine tablets*



## CHAPTER 13: SKIN

### 13.2 EMOLLIENTS AND BARRIER PREPARATIONS

#### 13.2.1 Emollients

Emulsifying ointment in water  
Aquamax® (E45® Cream or Zerocream® substitute)  
Zerobase® (Diprobace substitute)  
Epaderm® Ointment  
Hydromol® Cream and Ointment  
Imuderm Creamclad  
Liquid Paraffin 50% in Yellow soft paraffin  
Eczmol® Cream  
Cetraban  
Oilat Junior Cream  
Zeroderm ointment  
Zerodouble gel  
Hydromol Intensive Cream  
Calmurid  
Zero AQS

#### 13.2.1.1 Emollient Bath Additives

Zerolatum Bath  
Dermol® Emollient

#### 13.2.2 Barrier Preparations

Sudocrem®  
Zinc and Castor oil Cream  
Sprilon® Spray application  
Conotrane  
Metanium

#### 13.2.3 Dusting Powders

Talc and hexachlorophene Dusting powder  
Talc Purified powder

### 13.3 TOPICAL LOCAL ANAESTHETICS AND ANTIPRURITICS

Tetracaine (Amethocaine) Cream  
Calamine Lotion  
Crotamiton (Eurax®) Cream and Eurax HC® Cream  
Pain relieving (PR) Aerosol spray  
Menthol in Aqueous Cream 0.5% - 1% - 2% (eg Methoderm)  
*Doxepin*

*continuation only*

### 13.4 TOPICAL CORTICOSTEROIDS

Alclometasone (Modrasone) Ointment 0.05%  
Betamethasone valerate Cream 0.1%, Cream 0.025% (1 in 4), Ointment 0.1%,  
Ointment 0.025% (1 in 4), Foam for scalp (Bettamousse®)  
Betamethasone Dipropionate Ointment 0.05% Cream 0.05%  
Betamethasone Valerate 2.25mg (Betesil® Plasters)  
Clobetasol propionate (Dermovate®) Cream 0.05%, Ointment 0.05%  
Clobetasol propionate (Etrivex®) Shampoo 0.05%  
Clobetasone butyrate (Eumovate®) Cream 0.05%,  
Fluocinolone acetonide (Synalar®) Cream 0.025%, Gel 0.025%, Ointment 0.025%,

Cream 0.00625% (1 in 4), Ointment 0.00625% (1 in 4)  
 Fluticasone propionate (Cutivate), Cream 0.05%, Ointment 0.005%  
 Fludrocortide (Haelan®) Tape  
 Hydrocortisone Cream 0.5%, 1%, Ointment 0.5%, 1%,  
 Hydrocortisone Lipocream 1% (Mildison®)  
 Hydrocortisone butyrate (Locoid®) Cream 0.1%, Ointment 0.1%, Lipocream 1%  
 Tri-adcortyl® Cream and Ointment  
 Mometasone furoate (Elocon®) *Continuation only*

#### **With anti-bacterials**

Betamethasone & clioquinol Cream and Ointment (formerly Betnovate C)  
 Locoid C® Cream and Ointment  
 Fucibet® Cream *Dermatology*  
 Fucidin H cream and ointment *Dermatology*  
 Clobetasone butyrate, Nystatin, Oxytetracycline (Trimovate)  
 Benzalkonium Chloride, Dimeticone, Hydrocortisone, Nystatin (Timodine)

### **13.5 PREPARATIONS FOR ECZEMA AND PSORIASIS.**

#### **13.5.1 Preparations for eczema**

Alitretinoin *Dermatology*

#### **13.5.2 Preparations for psoriasis**

Alphosyl® Cream and Alphosyl HC  
 Balneum® with Tar Bath oil  
 Calcipotriol Cream and Ointment  
 Calcitriol Ointment  
 Sebco® scalp application

#### Coal Tar preparations:

The following “specials” used by Dermatology department:

- *Coal tar solution 5% in betnovate RD ointment*
- *Gockermans ointment (this contains Crude oil tar 2% (or 4% or 6% or 10% or 20%), Zinc Oxide 2%, Starch 12%, PMA Paste 12%)*
- *Newcastle Ointment. Available in a variety of strengths:*
  - *Coal tar (9%), Salicylic acid (3%), Tween (1%), Ung Emuls Compound ointment to 100%*
  - *Coal tar (12%), Salicylic acid (2%), Tween (1%), Ung Emuls Compound ointment to 100%*
  - *Coal tar (6%), Salicylic acid (2%), Tween (1%), Ung Emuls Compound ointment to 100%*
  - *Coal tar (3%), Salicylic acid (1%), Tween (1%), Ung Emuls Compound ointment to 100%*

#### Dithranol preparations:

Dithrocream® Cream

Dovobet® ointment  
 Dovobet® Scalp Gel  
 Enstilar Foam  
 Eosin in PMA 0.5% w/v *Dermatology*  
 Methoxypsoralen Paint, Gel and Bath lotion  
 Polytar® Shampoo and Emollient  
 Miconazole Cream 1% and 3%  
 Tazarotene Gel  
 Dithranol Cream in lipid-stabilised basis (Micanol®)

## ORAL RETINOIDS FOR PSORIASIS

Acitretin Capsule

## OTHER PREPARATIONS FOR PSORIASIS

Methoxypsoralen Emulsion

Methoxypsoralen Bath lotion

### 13.5.3 Drugs Affecting the Immune Response

Ciclosporin (Cyclosporin)

Methotrexate

*Tacrolimus ointment*

*Pimecrolimus cream*

*Adalimumab*

*Brodalumab*

*Etanercept*

*Guselkumab*

*Ixekizumab (Talz) Pre filled Syringe/Pen*

*Ustekinumab*

*Ustekinumab/Stellara Injection*

*Secukinumab*

*Apremilast –for plaque psoriasis*

*Dupilumab*

*in line with NICE*

*in line with NICE*

*Dermatology (3<sup>rd</sup> line treatment only)*

*NICE TA 456*

*Dermatology/Rheumatology*

*in line with NICE TA419*

*in line with NICE*

## 13.6 ACNE AND ROSACEA

### 13.6.1 Topical preparations for acne

Benzoyl peroxide Topical gels

Benzoyl peroxide and Adapalene gel – Epiduo®

Benzamycin Gel

### TOPICAL RETINOIDS FOR ACNE

Tretinoin Cream & Gel

Isotretinoin Gel

### 13.6.2 Oral preparations for acne

Isotretinoin Capsule

Co-cyprindiol (Dianette®)

*Minocycline*

*Lymecycline*

*Continuation only*

*Continuation only*

### 13.6.3 Rosacea

*Brimonidine Gel*

*Ivermectin(Soolantra)*

*(IFR Only)*

## 13.7 PREPARATIONS FOR WARTS AND CALLUSES

*Cantharidin and Cantharidin Plus*

Salicylic acid preparations (Cuplex®, Verrugon®)

Salactol® Paint

Salatac® Gel

### GENITAL WARTS

Podophyllum preparations

Warticon® Solution  
Imiquimod

### **13.8 SUNSCREENS AND CAMOUFLAGERS**

*Sunsense SPF 50*

*Solaraze®*

*Methyl aminolevulinate cream (Metvix®)*

#### **13.8.1 Sunscreen Preparations**

Ingenol Mebutate (Picato®)

### **13.9 SHAMPOOS AND SOME OTHER SCALP APPLICATIONS**

Alphosyl® Shampoo and 2 in1 Shampoo

Capasal® Shampoo

Ketoconazole 2% Shampoo

Polytar® and Polytar Plus® Shampoo

T/Gel® Shampoo

*Eflornithine cream via IFR only*

### **13.10 ANTI-INFECTIVE SKIN PREPARATIONS**

#### **13.10.1.1 Antibacterial preparations only used topically**

Mupirocin Ointment

Silver sulfadiazine (sulphadiazine) Cream

Polyfax Ointment

#### **13.10.1.2 Antibacterial preparations also used systemically**

Metronidazole Gel

#### **13.10.2 Antifungal preparations**

Clotrimazole Cream

Econazole Cream

Nystatin Cream

#### **13.10.3 Antiviral preparations**

Aciclovir Cream

#### **13.10.4 Parasitocidal preparations**

Carbaryl Lotion                      Use as local policy

Malathion Lotion                      Use as local policy

Dimeticone Lotion                      Use as local policy

Permethrin Cream rinse                      Use as local policy

#### **13.10.5 Preparations for minor cuts and abrasions**

Magnesium sulphate Paste

Proflavine Antiseptic cream

### **13.11 DISINFECTANTS AND CLEANSERS**

*See local guidelines from infection control team.*

Triclosan (Aquasept® Solution/Skinsan Foam)

Octenisan Wash Lotion

Chlorhexidine Preparations

Hydrogen peroxide Preparations

Hydrogen peroxide cream (Crystacide®)

Industrial Methylated Spirit Preparations  
Manusept<sup>®</sup> Solution  
Phisomed<sup>®</sup> Cleanser  
Plaster Remover  
Potassium permanganate (Permitabs<sup>®</sup>)  
Povidone Iodine Preparations  
Sodium Hypochlorite Preparations

### **13.11.7 Desloughing agents**

### **13.13 TOPICAL CIRCULATORY PREPARATIONS**

Hirudoid<sup>®</sup> Cream  
Lasonil<sup>®</sup> Ointment

# CHAPTER 14: IMMUNOLOGICAL PRODUCTS AND VACCINES

For guidance on the choice and use of vaccines, see '*Immunisation against infectious diseases*' a HMSO publication – available online at:

[http://www.dh.gov.uk/en/Publichealth/Healthprotection/Immunisation/Greenbook/DH\\_4097254](http://www.dh.gov.uk/en/Publichealth/Healthprotection/Immunisation/Greenbook/DH_4097254)

## 14.4 VACCINES AND ANTISERA

BCG Vaccine  
Diphtheria Vaccine  
Diphtheria/Tetanus Vaccine  
Diphtheria/Tetanus/Pertussis Vaccine  
Diphtheria Antitoxin  
Haemophilus Influenzae Type b (Hib) Vaccine  
Hepatitis A Vaccine  
Hepatitis B Vaccine  
Influenza Vaccine  
Measles/Mumps/Rubella (MMR) Vaccine  
Meningococcal Vaccine  
Pertussis Vaccine (Whooping Cough)  
Pneumococcal Vaccine  
Poliomyelitis Vaccine Live  
Poliomyelitis Vaccine Inactivated  
Rotavirus Vaccine (Rotarix®)  
Rubella Vaccine  
Varicella-Zoster Vaccine  
Varicella Vaccine (Varivax®)  
Yellow Fever Vaccine  
Meningitis B Vaccine

## 14.5 IMMUNOGLOBULINS

Normal Immunoglobulin (Brand dependant upon availability)

### SPECIFIC IMMUNOGLOBULINS

Anti-human Thymocyte Immunoglobulin (Equine)

Human Anti-tetanus Immunoglobulin

*Hepatitis B Immunoglobulin* *Dr Smithson*

*Anti-D (Rh(o)) immunoglobulin* *Haematology*

# CHAPTER 15: ANAESTHESIA

## 15.1 GENERAL ANAESTHESIA

### 15.1.1 Intravenous anaesthetics

#### BARBITURATES

Thiopental (Thiopentone) Sodium Injection

#### OTHER INTRAVENOUS ANAESTHETICS

Etomidate Injection

Ketamine Injection

Propofol Injection and Prefilled syringe

### 15.1.2 Inhalational anaesthetics

Sevoflurane

Isoflurane

Desflurane

Nitrous Oxide

### 15.1.3 Antimuscarinic drugs

Atropine Sulphate Injection

Glycopyrronium Injection

Hyoscine hydrobromide Injection

### 15.1.4 Sedative and analgesic peri-operative drugs

#### BENZODIAZEPINES

Midazolam Injection

Diazepam

Lorazepam

Temazepam Tablets

#### PHENOTHIAZINES AND RELATED

Promethazine see 3.4.1

### 15.1.4.2 Non-opioid analgesics

Diclofenac Sodium see 10.1.1

Ketoprofen injection see 10.1.1

Ketorolac Injection

Parecoxib injection

### 15.1.4.3 Opioid analgesics

Alfentanil Injection

Fentanyl Injection

Morphine Sulphate Injection

Pethidine Injection

Remifentanil Injection

### 15.1.4.4 Other drugs for sedation

Dexmedetomidine

### **15.1.5 Muscle Relaxants**

#### NON-DEPOLARISING

Atracurium Besilate Injection  
Cisatracurium Injection  
Mivacurium Chloride Injection  
Pancuronium Bromide Injection  
Rocuronium Bromide Injection  
Vecuronium Bromide Injection

#### DEPOLARISING

Suxamethonium Chloride Injection

### **15.1.6 Anti-cholinesterases used in anaesthesia**

Neostigmine Injection  
Edrophonium  
Glycopyrronium-Neostigmine Injection  
*Sugammadex*

### **15.1.7 Antagonists for central and respiratory depression**

Flumazenil Injection  
Naloxone Injection

### **15.1.8 Drugs used for malignant hyperthermia**

Dantrolene Sodium Injection

## **15.2 LOCAL ANAESTHESIA**

### LIDOCAINE (LIGNOCAINE)

Lidocaine (Lignocaine) Injection

*Lidocaine (Lignocaine) Plaster (Versatis®)*

*Neuropathic pain in line with NICE CG173*

### FOR SURFACE ANAESTHESIA

*Lidocaine 2.5% and prilocaine 2.5% (Emla®) Topical Cream*

*Haemodialysis only*

*Tetracaine 4% (Ametop®) Topical Gel*

*NICU*

*Instillagel® Gel*

Lidocaine (Lignocaine) Topical Spray

### BUPIVACAINE

Bupivacaine Injection

Levo-bupivacaine Injection.

### PRILOCAINE

Prilocaine Injection

*Hyperbaric Prilocaine Injection*

*Day Surgery Only*

### ROPIVACAINE

Ropivacaine Injection and Epidural Infusion

Chlorprocaine

### OTHER

Cocaine



## **APPENDIX 2: BORDERLINE SUBSTANCES**

### **A2.1 Enteral Feeds**

Nutrison Range

### **A2.2 Nutritional Supplements**

Fortijuce  
Fortisip Compact  
Fortisip Compact Protein  
Fortisip Compact Fibre  
Fortisip Yogurt Style  
Forticreme  
Fortisip Extra  
Renilon

### **A2.3 Specialised Formulas for Specific Clinical Conditions**

### **A2.4 High Energy Supplements**

Calogen  
Calogen Extra  
Protifar  
Scandishake

### **A2.5 Feed additives**

VSL#3

*For treatment of pouchitis*

Nutilis Clear® Powder

### **A5.3.4 Other Antimicrobials**

Octenilin®

## **APPENDIX 8: WOUND MANAGEMENT PRODUCTS SUBSTANCES AND ELASTIC HOSIERY**

See separate local policy/formulary on Tissue Viability intranet site at:

<http://intranet.hey.nhs.uk/tissueviability/>

The Trust Wound Formulary is listed on this link:

<http://intranet.hey.nhs.uk/tissueviability/woundFormulary.asp>

For quick reference, the dressings groups and products in current use are:

### **Interactive Dressings (stocked by pharmacy).**

#### **Alginate**

Sorbsan Flat (Replaces Kaltostat range).

Sorbsan Ribbon

#### **Hydrogel**

ActivHeal (Replaces Intrasite range).

*Intrasite Gel Restricted to use by Radiotherapy only*

*Flamigel Restricted to use by Radiotherapy only*

*Flaminal Hydro Restricted to use by Radiotherapy only*

Cutimed Sorbact Gel

#### **Hydrocolloid**

Duoderm

Aquacel Rope

Aquacel Ribbon

Aquacel Sheets

#### **Odour Absorbent**

Clinisorb

#### **Odour Absorbent – Combination**

Carboflex

#### **Antimicrobials – Polihexanide and betaine Based**

*Prontosan wound irrigation Tissue Viability Nurse/Vascular Nurse/Podiatry specialist*

*Prontosan Gel X Tissue Viability Nurse/Vascular Nurse/Podiatry specialist*

#### **Antimicrobials – Iodine Based**

Inadine

*Iodosorb Tissue Viability Nurse/Vascular Nurse/Podiatry specialist*

#### **Antimicrobials – Silver based**

Aquacel Ag

*Acticoat Flex 3 Tissue Viability Nurse/Vascular Nurse/Podiatry specialist*

*Acticoat Flex 7 Tissue Viability Nurse/Vascular Nurse/Podiatry specialist*

*Askina Calgitrol thin 5cm x 5cm Podiatry specialist*

*Askina Calgitrol Paste 15 g Podiatry specialist*

*Urgotul®SSD 'Strictly on advice of vascular specialist nurses/tissue viability nurse only – they will supply if required'.*

**Low adherant dressings**

Jelonet

**Scar Treatment**

*Cica-care*

*Restricted to use by dermatology/plastics only*

*Dermatix*

*Restricted to use by max fax/plastics only*

**Larval therapy**

*Larvae*

*Tissue Viability Nurse/Vascular Nurse/Podiatry specialist*

## FORMULARY APPENDIX 1 – Products which are not currently listed in the BNF

### **Bone cements**

*Eptotermin (Osteogenic protein)*

*Orthopaedic Specialist*

### **Fibrin sealants**

*Tisseel<sup>®</sup> fibrin sealant*

*Evicel<sup>®</sup> fibrin sealant*

*Cardiothoracic surgery only*

### **DEVICES – Products licensed as devices (not drugs) – approved since April 2007**

*Hexaminolevulinate (Hexvix<sup>®</sup>)*

*Urology*

*Perflutren lipid microspheres (Luminity<sup>®</sup>)*

*Cardiology*

*Cyclo-Taurolidine and Citrate 4% (TauroLock<sup>®</sup>)*

*Consultant Microbiologist/Renal*

*Exem Foam*

*Obs and Gynae use only*

*Blue Patent V PFS*

*Surgery*

### **Continuous renal replacement therapy (CRRT) or Haemofiltration (CVVHD)**

At HUTH there are three products used in the haemofiltration (KF multiFiltrate) dialysis machines:

- Ci-Ca dialysate K2, K4 Multibic 2, Multibic 4 (5L bags) - CE marked
- Sodium citrate 4% 1500ml bag - CE marked
- Calcium chloride 50mmol/500mL bag – Used to reverse citrate anticoagulation, not as a drug - unlicensed solution (made in a NHS pharmacy production unit with MS licence)

### **Medicinal products for diagnostic use only**

*Regadenoson (Rapiscan<sup>®</sup>)*

*Indocyanine Green Dye*

*Ophthalmology and Neurosurgery*

### **Medical Gases**

*Oxygen*

*Medical air*

*Compressed Air*

*Nitrous oxide*

*Nitric Oxide*

*Entonox*

*Heliox*

*Carbon dioxide*

*Helium*

### **Contrast Media Agents**

*Gadoteridol (Prohance<sup>®</sup>)*

*Radiology*

*Gadoxetic Acid (Primovist<sup>®</sup>)*

*Radiology*

*Gadobutrol (Gadovist<sup>®</sup>)*

*Radiology*

*Vitamin A&D cream/ointment*

*For use in breast reconstruction only.*

### **Foods for Special Medical Purposes**

Renavit®  
DEKAS Plus/Essential

**Miscellaneous**

*Staloral*

*Consultant Immunologists Only*

*Alutard*

*Consultant Immunologists Only*

*Pollinex Quatro*

*Consultant Immunologists Only*

*Pure Fructose (Hydrogen Breath Test)*

*Baricitinib (Olumiant)ixc In Line with TA466*

*Free Style Libre*

*Invertase Syrup for genetic disaccharide enzyme deficiency*

*5-Aminolevulonic Acid (Gliolan®) – in line with NICE Guidance*

## FORMULARY APPENDIX 2 – DRUGS RECOMMENDED IN NICE TA/NHSE COMMISSIONING POLICY WHICH ARE NOT IN FORMULARY

<b>NICE TA</b>	<b>EXPLANATION</b>
TA 85 Renal Transplantation – Immunosuppressive Regimens (Adults)	Renal transplant operations are not performed by HEY.
TA99 Renal Transplantation – Immunosuppressive Regimens for Children and Adolescents	Renal transplant operations are not performed by HEY.
TA 235 Osteosarcoma – Mifamurtide	Recommended for treatment in specified children, adolescents and young adults. This cohort of patients are referred to specialist provider.
TA305 Pixantrone Monotherapy for treating multiple relapsed or refractory aggressive non Hodgkins B-cell lymphoma	Available as IFR or chairs approval
TA344 Ofatumumab in combination with chlorambucil or bendamustine for untreated chronic Vortioxetine lymphocytic leukaemia	Available via chairs approval until submission received by D&T committee
TA378 Ramucirumab for treating advanced gastric cancer or gastro oesophageal junction adenocarcinoma previously treated with chemotherapy	Available via chairs approval until submission received by D&T committee
TA392 Adalimumab for Treating Moderate to Severe Hidradenitis Suppurativa	Available via NHSE Commissioned service at specialist centres in Leeds and Sheffield
NICE TA 477 Autologous chondrocyte implantation for treating symptomatic articular cartilage defects of the knee	Available via chairs approval until submission received by D&T committee
NIC TA 476 Paclitaxel as albumin-bound nanoparticles with gemcitabine for untreated metastatic pancreatic cancer	Available via chairs approval until submission received by D&T committee
NICE TA 460 Adalimumab and dexamethasone for treating non-infectious uveitis	Adalimumab. Available via chairs approval until submission received by D&T committee
NICE TA 450 Blinatumomab for previously treated Philadelphia-chromosome-negative acute lymphoblastic leukaemia	Available via chairs approval until submission received by D&T committee
TA 410 – Talimogene laherparepvec for treating unresectable metastatic melanoma	Available via chairs approval until submission received by D&T committee
TA 523 – Midostaurin for untreated acute myeloid leukaemia	Available via chairs approval until submission received by D&T committee
TA535 Lenvatinib and sorafenib for treating differentiated thyroid cancer after radioactive iodine	Available via chairs approval until submission received by D&T committee
TA538 Dinutuximab beta for treating neuroblastoma	Recommended for treatment in specified children. This cohort of patients are referred to specialist provider, not used at HEY
TA539 Lutetium (177Lu) oxodotreotide for treating unresectable or metastatic neuroendocrine tumours	Targeted radioisotope would not be used by HEY
TA541 Inotuzumab ozogamicin for treating relapsed or refractory B-cell acute lymphoblastic leukaemia	Available via chairs approval until submission received by D&T committee
TA545 Gemtuzumab ozogamicin for untreated acute myeloid leukaemia	Available via chairs approval until submission received by D&T committee
TA 551 Lenvatinib for untreated advanced hepatocellular carcinoma	Available via chairs approval until submission received by D&T committee

TA 552 Liposomal cytarabine–daunorubicin for untreated acute myeloid leukaemia	Available via chairs approval until submission received by D&T committee
TA554 Tisagenlecleucel for treating relapsed or refractory B-cell acute lymphoblastic leukaemia in people aged up to 25 years	HUTH not a specialist centre
TA559 Axicabtagene ciloleucel for treating diffuse large B-cell lymphoma and primary mediastinal large B-cell lymphoma after 2 or more systemic therapies	Available via chairs approval until submission received by D&T committee
TA 562 Encorafenib with binimetinib for unresectable or metastatic BRAF V600 mutation-positive melanoma	Available via chairs approval until submission received by D&T committee
TA565 Benralizumab for treating severe eosinophilic asthma	Available via chairs approval until submission received by D&T committee
TA567 Tisagenlecleucel for treating relapsed or refractory diffuse large B-cell lymphoma after 2 or more systemic therapies	HUTH not a specialist centre
TA572 Ertugliflozin as monotherapy or with metformin for treating type 2 diabetes	Available via chairs approval until submission received by D&T committee
TA575 Tildrakizumab for treating moderate to severe plaque psoriasis	Available via chairs approval until submission received by D&T committee
TA577 Brentuximab vedotin for treating CD30 positive cutaneous T-cell lymphoma.	HUTH not a specialist centre
TA583 Ertugliflozin with metformin and a dipeptidyl peptidase-4 inhibitor for treating type 2 diabetes	Available via chairs approval until submission received by D&T committee
TA588 Nusinersen for treating spinal muscular atrophy	HUTH not a specialist centre
TA589 Blinatumomab for treating acute lymphoblastic leukaemia in remission with minimal residual disease activity	Available via chairs approval until submission received by D&T committee
TA591 Letermovir for preventing cytomegalovirus disease after a stem cell transplant	Available via chairs approval until submission received by D&T committee
<b>Specialist Commissioning Arrangements in line with NHSE clinical commissioning policy</b>	
<b>Treatment of Chronic Hepatitis C in Patients with Cirrhosis</b>	
Ombitasvir, Paritaprevir, Dasabuvir, Ledipasvir	

**unlicensed Drugs – Please see**

<http://intranet.hey.nhs.uk/pharmacy/pdf/unlicensedMedsList.pdf>

