

DRUG FORMULARY

Updated after HEY Drug and Therapeutics Committee meeting Of September 2013

This formulary is used and maintained by **Hull and East Yorkshire Hospitals NHS Trust**.

It is also used as a formulary by **Humber Foundation NHS Trust (HFT)** 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 currently in development

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

Other agents are listed elsewhere in the formulary.

CHAPTER 1: GASTRO-INTESTINAL DRUGS

1.1 ANTACIDS

Sodium Citrate *Maternity*

1.1.1 Aluminium and Magnesium containing Magnesium Trisilicate

Aluminium Hydroxide
Maalox[®]
Mucaine[®] *Radiotherapy*
Simeticone Infacol[®]

1.1.2 Sodium Bicarbonate

Sodium Bicarbonate

1.1.3 Other drugs for dyspepsia and GORD.

Gaviscon Advance[®]

Gaviscon Infant[®]

1.2 ANTISPASMODICS

ANTIMUSCARINICS

Hyoscine butylbromide
Alverine Citrate
Propantheline *Gastroenterology*

OTHER

Mebeverine
Peppermint oil
Peppermint water

MOTILITY STIMULANTS

Metoclopramide/Domperidone - see 4.6

1.3 ULCER HEALING DRUGS

1.3.1 H₂ 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

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

Olsalazine

Gastroenterology

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[®]

Palliative Care

Palliative Care

Maternity Unit

1.6.3 Faecal Softeners

Arachis Oil retention enemas

1.6.4 Osmotic

Phosphate enemas

Relaxit[®] enemas

Magnesium Sulphate

Macrogol sachets (e.g. Laxido[®], Movicol[®])

Movicol Liquid

Lactulose solution

1.6.5 Bowel Cleansing Solutions

Fleet-Phospho Soda[®] oral solution

Klean-Prep[®] powder

Moviprep[®]

Picolax[®]

1.6.6 Peripheral Opioid-receptor Antagonists

Methylnaltrexone bromide injection

Palliative Care Consultant

1.6.7 5HT₄ receptor agonists

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

Linaclotide

1.7 PREPARATIONS FOR ANAL AND RECTAL DISORDERS

Anal fissures

Glyceryl trinitrate ointment 0.4% (Rectogesic)

Diltiazem ointment 2%

1.7.1 Soothing

Anusol[®]

1.7.2 Compound

Anusol HC[®]

Proctosedyl[®]

1.7.3 Rectal Sclerosants

Oily Phenol Injection

1.9 DRUGS AFFECTING INTESTINAL SECRETIONS

1.9.1 Drugs acting on Gall Bladder

Ursodeoxycholic acid

Gastroenterology

1.9.4 Pancreatin

Creon 10 000 capsules

Creon 25 000 capsules

Creon 40 000 capsules

Pancrease capsules

*Cystic Fibrosis,
Gastroenterology
Gastroenterology
& GI surgery*

Pancreolauryl Test Capsules

Gastroenterology

CHAPTER 2: CARDIOVASCULAR SYSTEM

2.1 POSITIVE INOTROPIC DRUGS

2.1.1 Cardiac Glycosides

Digoxin

Digibind® (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

Metolazone

2.2.2 Loop

Furosemide (Frusemide)

Bumetanide

2.2.3 Potassium sparing

Amiloride

Spironolactone

Heart failure, ascites

Eplerenone

Cardiology

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
Bosentan

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

Ambrisentan
Epoprostenol
Epoprostenol(Veletri)

Pulmonary Hypertension Only

2.5.4 Alpha blockers

Doxazosin

PHAEOCHROMOCYTOMA
Phenoxybenzamine
Phentolamine injection

2.5.5.1 ACE inhibitors

Lisinopril
Perindopril
Ramipril
Captopril

2.5.5.2 Angiotensin II receptor antagonists

Valsartan

Candesartan
Losartan

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

Nifedipine

Nimodipine

Neurosurgery

Felodipine

For continuation of GP initiated treatment

2.6.3 Potassium channel activators

Nicorandil

Ivabradine

Ranolazine

“Amber” Cardiology Only

Cardiologist Initiation Only

2.6.4 Peripheral vasodilators

Naftidrofuryl

Pentoxifylline

Immunology

2.7 SYMPATHOMIMETICS

2.7.1 Inotropic sympathomimetics

Dobutamine

Dopamine

Dopexamine

Isoprenaline

2.7.2 Vasoconstrictor sympathomimetics

Adrenaline

Metaraminol

Noradrenaline

Phenylephrine Injection

Ephedrine Injection

2.8 ANTICOAGULANTS

2.8.1 Parenteral anticoagulants

LOW MOLECULAR WEIGHT HEPARINS

Dalteparin **For PE treatment, DVT treatment and prophylaxis**

Fondaparinux

Tinzaparin

Use in Haemodialysis Unit only

HEPARINS

Heparin Sodium

Heparin Sodium in NaCl 0.9%

Heparin (Pump-Hep®)

HEPARINOIDS

Danaparoid

Haematologists

Bivalirudin

Epoprostenol

Lepirudin

Haematologists

2.8.2 Oral anticoagulants

Warfarin

Acenocoumarol

Continuation of treatment only

Phenindione

Anticoagulant Clinic

Dabigatran

Orthopaedics / Cardiology/Stroke Physicians

Rivaroxaban

Apixaban

Available on chairs approvals for patients meeting NICE TA 245, TA275 who are unable to have the trust preferred options

2.8.3 Protamine sulphate

Protamine sulphate

2.9 ANTIPLATELET DRUGS

Aspirin

Clopidogrel

Prasugrel

Specialist Use ONLY

Dipyridamole

Ticagrelor

Specialist Use ONLY

Abciximab

Cardiology

Eptifibatide

Cardiology

2.10.2 FIBRINOLYTIC DRUGS

Alteplase

Tenecteplase

Urokinase

Nephrology

2.11 ANTIFIBRINOLYTIC DRUGS AND HAEMOSTATIC AGENTS

Tranexamic Acid

Aprotinin

Theatres

Etamsylate (Ethamsylate)

Obstetrics & Gynaecology

Drotrecogin alfa (activated)

following protocol

BLOOD PRODUCTS

Haematology Department

2.12 LIPID LOWERING DRUGS.

ANION EXCHANGE

Colestyramine (Questran®)

Lipid Specialist

Colesevelam (Cholestigel®)

Lipid Specialist

CLOFIBRATE GROUP

Fenofibrate

Lipid Specialist

Gemfibrozil

Bezafibrate SR as Bezalip[®] Mono

FISH OILS

Omega-3-acid ethyl esters (Omacor[®])

Lipid Specialist & Continuation of treatment only

STATINS

Pravastatin

Simvastatin

Atorvastatin

Lipid Specialist

Rosuvastatin

Lipid Specialist

Ezetimibe

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 β_2 Adrenoreceptor Stimulants

Short acting

Salbutamol

Terbutaline

Long acting

Salmeterol

Formoterol

Indacaterol Maleate

Respiratory Specialist

Bambuterol

Respiratory Specialist

3.1.1.2 Other Adrenoreceptor stimulants

Adrenaline aerosol (Primatene Mist[®])

3.1.2 Antimuscarinic bronchodilators

Ipratropium

Tiotropium

Respiratory Specialist

Aclidinium

Respiratory Specialist

3.1.3 Theophylline

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

Aminophylline

Theophylline

3.1.4 Compound Bronchodilator Preparations

Combivent

3.2 CORTICOSTEROIDS

Beclometasone (Beclomethasone)

Clenil Modulite[®] (First line in children) Prescribe by brand

Qvar[®] (First line in adults) Prescribe by brand

Budesonide

Fluticasone

Respiratory Specialist

Ciclesonide

Respiratory Specialist

Combination

Fostair[®]

Respiratory Specialist

Seretide[®]

Respiratory Specialist

Symbicort[®]

Respiratory Specialist

Flutiform[®]

Respiratory Specialist

3.3 CROMOGLICATE AND RELATED THERAPY

Nedocromil

Respiratory Specialist

Sodium Cromoglicate(Sodium Cromoglycate)

Respiratory Specialist

3.3.2 Leukotriene receptor antagonists

Montelukast

Respiratory Specialist/Paediatrician

PHOSPHODIESTERASE TYPE 4 INHIBITORS

3.3.3 Roflumilast Respiratory medicine for existing patients only in line with NICE TA244

3.4 ANTIHISTAMINES AND RELATED THERAPY

3.4.1 Antihistamines

NON-SEDATING ANTIHISTAMINES

Cetirizine

Fexofenadine

Loratadine

Rupatadine (Rupafin®)

Immunology/Dermatology ONLY

SEDATING ANTIHISTAMINES

Chlorphenamine (Chlorpheniramine)

Hydroxyzine

Promethazine

Alimemazine (Trimeprazine)

3.4.2 Allergen Immunotherapy

Omalizumab (Not recommended in children aged 6 to 11 years as per NICE TA201)

Grass and tree pollen extracts - Grazax®

Immunology only

Pharmalgen®

3.4.3 Allergic emergencies

Adrenaline

EpiPen

Icatibant

C1 Esterase Inhibitor (Berinert®)

Immunology only

Immunology only

3.5 RESPIRATORY STIMULANTS

3.5.1 Respiratory Stimulants

Doxapram

3.5.2 Pulmonary Surfactants

Poractant alfa

3.7 MUCOLYTICS

Dornase alfa

Carbocysteine

Erdosteine

Mannitol Dry Powder

Respiratory Physicians

via chairs approval when supported
by safe and clinically effective
practice

Ivacaftor (Kalydeco®)

3.8 INHALATIONS

No recommendations

3.9 ANTITUSSIVES

3.9.1 Cough Suppressants

Pholcodine linctus

Dextromethorphan

3.9.2 Expectorant & Demulcent Preparations

Simple linctus

4.2.3 Antimanic Drugs

Specify brand of product*

Lithium Carbonate (Priadel[®])

Lithium Carbonate (Camcolit[®])

Lithium Citrate (Priadel[®] Liquid)

Carbamazepine see section 4.8.1

Valproic acid (as semisodium valproate) (e.g. Depakote[®])

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 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

Sertraline

Venlafaxine

Citalopram

Escitalopram

Consultant only

4.3.4

Duloxetine (Cymbalta[®])

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
Levomepromazine (Methotrimeprazine) see 4.2.1
Prochlorperazine
Domperidone
Metoclopramide

5-HT₃ ANTAGONISTS
Ondansetron

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

Dextromoramide
Diamorphine
Fentanyl patches
Fentanyl patches (chronic non cancer pain)
Fentanyl buccal tablets (Effentora®)
Meptazinol
Morphine
Pethidine
Buprenorphine
Buprenorphine Patches
Fentanyl oral
Oxycodone

2nd line after oral morphine failure
Palliative Care Only

Sublingual
Initiation by palliative care/Renal/pain specialists

4.7.3 Neuropathic pain

Carbamazepine
Amitriptyline
Sodium Valproate

Gabapentin
Pregabalin
Ketamine oral solution

Nabilone

Pain Team
Pain Team – Consultant use only,
for chronic neuropathic pain
Pain Team – Consultant use only,
for chronic neuropathic pain

4.7.4 Antimigraine Drugs

4.7.4.1 Treatment of Acute Migraine Attack

Aspirin
Paracetamol
Metoclopramide
Sumatriptan
Frovatriptan

4.7.4.2 Prophylaxis of Migraine

Propranolol
Pizotifen
Methysergide
Botulinum Toxin Type A

Neurology
As per TA260

4.8 ANTI-EPILEPTICS

4.8.1 Control of Epilepsy

Phenytoin
Sodium valproate (including S/R e.g. Epilim Chrono®)
Carbamazepine
Phenobarbital
Clonazepam
Clobazam
Gabapentin
Lamotrigine
Levetiracetam
Lacosamide
Oxcarbazepine
Perampanel
Pregabalin (for epilepsy)
Primidone
Rufinamide
Tiagabine
Topiramate
Vigabatrin
Zonisamide
Stiripentol
Retigabine
Eslicarbazepine
Ethosuximide

Neurologist only

Initiation by consultant only

Treatment exemption panel approved only

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
Selegiline
Entacapone
Rasagiline
Levodopa + carbidopa + entacapone (Stalevo®)
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
Botulinum B Toxin
Tetrabenazine
Piracetam
Riluzole

4.10 DRUGS USED IN SUBSTANCE DEPENDENCE

Alcohol dependence **See Guidelines**

Opioid dependence **See Guidelines**

Acamprosate

Lofexidine

Methadone

Buprenorphine

Naltrexone

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)

5.1.4 AMINOGLYCOSIDES

Gentamicin

Netilmicin
Amikacin
Tobramycin
Tobramycin nebuliser solution

*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
Vancomycin
Daptomycin
Fidaxomicin
Rifaximin

Consultant in Infectious Diseases or Microbiology

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

5.1.8 SULPHONAMIDES AND TRIMETHOPRIM

Trimethoprim

Co-trimoxazole

5.1.9 ANTITUBERCULOUS DRUGS

Specialist recommendation - See BNF for appropriate drugs

5.1.10 ANTILEPROTIC DRUGS

Specialist recommendation - See BNF for appropriate drugs

5.1.11 METRONIDAZOLE

Metronidazole

5.1.12 QUINOLONES

Ciprofloxacin

Ofloxacin
Moxifloxacin

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/topical

Amphotericin

Haematology or Consultant Microbiologist/Infectious Diseases

Amphotericin (liposomal)

Haematology or Consultant Microbiologist/Infectious Diseases

Amphotericin(lipid complex)

Haematology or Consultant Microbiologist/Infectious Diseases

Caspofungin

Haematology

Anidulafungin

Consultant Microbiologist/Infectious Diseases

Flucytosine

Specialist Use/Named Patient

Griseofulvin

Itraconazole

Haematology

Posaconazole

Consultant Microbiologist/Infectious Diseases

Terbinafine

Dermatology

Voriconazole

Clotrimazole Preparations see Section 7.2.2 and 13.10.2

5.3 ANTIVIRAL DRUGS

Aciclovir

Valaciclovir

Famciclovir

Sexual Health Medicine

HUMAN IMMUNODEFICIENCY VIRUS

NRTI

Didanosine

All Specialist Indications

Atripla[®]

Abacavir

Emtricitabine

Lamivudine

Stavudine

Zalcitabine

Zidovudine

Combivir[®]

Tenofovir disoproxil

Kivexa[®]

Truvada[®]

PI

Amprenavir

Atazanavir

Indinavir

Nelfinavir

Ritonavir

Saquinavir

Tipranavir

Darunavir

NNRTI

Efavirenz

Etravirine

Nevirapine

Adefovir dipivoxil

Enfuvirtide

Maraviroc

Raltegravir

Foscarnet

Ganciclovir

Valganciclovir

Oseltamivir

Prophylaxis during Influenza A outbreaks

Zanamivir

Palivizumab

Ribavirin

Boceprevir

Entecavir

Telaprevir

Rilpivirine

5.4 ANTIPROTOZOAL DRUGS

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

Artemether with lumefantrine (Riamet[®]) Consultant in Infectious Diseases

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

Human Actrapid

Humulin S

Pork Actrapid

Humulin R

Insulin Lispro

Insulin Aspart

Insulin Glulisine

Insuman rapid

6.1.1.2 Intermediate & Long Acting insulins

Human Insulatard

Humulin I

Porcine Insulatard

Human Monotard

Human Ultratard

Insuman Basal

Insulin Glargine

Biphasic Insulins

Pork Mixtard 30

Human Mixtard 30, 50

Humulin M3, M5

Biphasic Insulin Aspart

Humalog Mix25

Humalog Mix 50

Insuman Comb

Insulin Detemir

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®)

Nateglinide

Specialist use only as per guidelines

Specialist use only as per guidelines

Specialist use only as per guidelines

Pioglitazone
Pioglitazone/metformin (Competact®)
Sitagliptin
Saxagliptin
Dapagliflozin

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 *Rheumatology*
Triamcinolone *Rheumatology*

6.4 SEX HORMONES

6.4.1 Female sex hormones

OESTROGEN + PROGESTOGEN PREPARATIONS

Prempak C®
Nuvelle®
Kliofem®
Kliovance®
Premique Cycle®
Femseven Conti®

OESTROGENS

Ethinylestradiol
Conjugated Oestrogens (Premarin®)
Estradiol
Estradiol hemihydrate (Aerodiol®)
Estradiol Valerate (Progynova®)
Estradiol (Estraderm MX®)

(or Evorel Matrix®)

Tibolone

RALOXIFENE

Raloxifene

6.4.1.2 Progestogens

Dydrogesterone

Medroxyprogesterone

Norethisterone

Progesterone

6.4.2 Male Sex Hormones & Antagonists

Testosterone (e.g. implants, Sustanon®, Nebido®)

Testosterone gel (Tostran®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®)

ANTERIOR PITUITARY HORMONES

CORTICOTROPHINS

Tetracosactide (Synacthen®)

GONADOTROPHINS

Pregnyl®

Follitropin (Gonal F®)

GROWTH HORMONE

Somatropin

- *Gentropin*

- *Humatrope*

- *Norditropin*

- *NutropinAq*

- *Omnitrope*

- *Saizen*

- *Zomacton*

HYPOTHALAMIC HORMONES

Gonadorelin

Specialist Investigational Use

Protirelin

Specialist Investigational Use

Sermorelin

Specialist Investigational Use

6.5.2 Posterior Pituitary Hormones & Antagonists

Argipressin (Synthetic Vasopressin)

Desmopressin

Terlipressin Acetate
Tolvaptan

Restricted to Consultant Endocrinologists/Consultant Oncologists

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

Etidronate & Calcium combination pack

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

Strontium ranelate

Rheumatologists

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)

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®

Vagifem®

7.2.2 Anti infective Drugs (Topical)

CANDIDIASIS

Clotrimazole

Cream/Pessary

Miconazole

OTHER INFECTIONS

Acetic acid 0.92% Vaginal jelly

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[®]

Logynon[®]

Marvelon[®]

Minulet[®]

Ovranette[®]/Microgynon 30[®]

Eugynon 30[®]

Trinovum[®]

Yasmin[®]

Zoely[®]

EMERGENCY CONTRACEPTION

Levonelle-2[®]

7.3.2.1 Oral Progestogen-only Contraceptives

Norethisterone

Norgestrel

7.3.2.2 Parenteral progestogen-only contraceptives

Medroxyprogesterone (Depo-provera[®])

7.3.2.3 Intra-uterine progestogen-only contraceptive

Levonorgestrel 24 hour I.U.D. (Mirena[®])

Etonogestrel Implant (Implanon[®])

7.3.4. Intrauterine Contraceptive Devices

GyneFix[®]

Multiload Cu250 Short[®]

Nova T 380[®]

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

Trospium

Solifenacin

Duloxetine (e.g. Yentreve[®])

Oxybutynin Transdermal Patch (Kentera)

Oxybutynin Liquid

Fesoterodine Fumerate (Toviaz)

Mirabegron

Urologist

Urologist

Urologists

Obstetrics and Gynaecology

Paediatrics Only

7.4.3 Urological Pain

Potassium Citrate

Cystistat Bladder Wash

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[®])

Apomorphine (sublingual)

Papaverine

Vardenafil (Levitra[®])

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

Capecitabine

Cladribine

Cytarabine

Liposomal Cytarabine

Fludarabine

Fluorouracil

Gemcitabine

Tioguanine (Thioguanine)

Pemetrexed

for treatment of mesothelioma

Azacitidine

Raltitrexed

FOLINIC ACID RESCUE

Calcium Folate

8.1.4 Vinca Alkaloids and etoposide

Etoposide

Vinblastine

Vincristine

Vindesine

Vinorelbine

8.1.5 Other Antineoplastic agents

Azacytidine (Vidaza)

Amsacrine

Bevacizumab

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

Bortezomib

Carboplatin

Cetuximab

Cisplatin

Dacarbazine

Dasatinib

Docetaxel

Erlotinib

Gefitinib

Hydroxycarbamide (Hydroxurea)

Imatinib

Irinotecan

Ipilimumab

Nilotinib

Paclitaxel

Pazopanib

Pentostatin

Procarbazine

Sunitinib

Temozolamide

Topotecan

Trastuzumab

Tretinoin

Trabectedin

Use in line with NICE TA185 & Cancer Network Guidelines

Vemurafenib

Use in line with NICE TA269 & Cancer Network Guidelines

National Cancer Drugs Fund List 2013

Drug	Indication
Abiraterone	1 st line treatment of metastatic castrate resistant prostate cancer (Mcrpc) in adult men who are asymptomatic, or mildly symptomatic, after failure of androgen deprivation therapy (ADT) in whom chemotherapy is not yet clinically indicated
Axitinib	Option for 2 nd line advanced renal cell carcinoma with progression after TKI or a cytokine
Bendamustine	2 nd or subsequent line treatment of CLL for patients whom fludarabine combination therapy is not a therapeutic option.
	Treatment of relapsed low grade NHL in patients unable to receive standard chemotherapy.
	1 st line treatment of low grade non-hodgkins lymphoma in combination with rituximab
	Treatment of relapsed low grade/indolent NHL refractory to rituximab based regimens
	2 nd and subsequent line treatment of mantle cell lymphoma in patients who have not received previous bendamustine
	1 st line treatment of mantle cell lymphoma in combination with rituximab in patients unsuitable for standard first line treatment
	Treatment of relapsed multiple myeloma where other treatments are not appropriate
Bevacizumab	Treatment of patients with triple negative metastatic breast cancer and/or prior taxane therapy
	1 st line treatment of metastatic colorectal cancer. Only to be administered concurrently with chemotherapy, not as single agent maintenance therapy.
	2 nd line treatment of metastatic colorectal cancer in combination with standard chemotherapy in patients who have not previously received bevacizumab. Only to be administered concurrently with chemotherapy, not as single agent maintenance therapy.
	3 rd line treatment of metastatic colorectal cancer in combination with standard chemotherapy in patients who have not previously received bevacizumab. Only to be administered concurrently with chemotherapy, not as single agent maintenance therapy.
	1 st line treatment of advanced (stage IIIc/IV) ovarian cancer, sub-optimally debulked either at primary or delayed primary (interval) surgery (including peritoneal and fallopian tube cancer) OR unsuitable for debulking surgery.
Bortezomib	Treatment of relapsed or refractory multiple myeloma at second and subsequent relapse in patients who are bortezomib naïve and where the patient unable to access bortezomib at first relapse.
	Treatment of relapsed or refractory multiple myeloma at second and subsequent relapse in patients with previous good response to bortezomib.
	Treatment of 2 nd or subsequent relapse in Refractory Mantle cell Lymphoma, in patients not fit for transplant
	Treatment of relapsed Waldenstrom's macroglobulinaemia after previous treatment with standard chemotherapy
Brentuximab	Treatment of relapsed or refractory Hodgkins lymphoma in patients who have failed at least two prior multi-agent chemotherapy regimens and are not ASCT candidates
	As a bridge to allograft transplant for the treatment of Hodgkin's

	Lymphoma where no other salvage treatment is available
	As a bridge to allograft transplant for the treatment of anaplastic large cell lymphoma where no other salvage treatment is available
Cabazitaxel	2 nd line treatment of advanced castration resistant prostate cancer following docetaxel based regimen
	3 rd line treatment of advanced castration resistant prostate cancer following docetaxel and abiraterone based treatment
Cetuximab	1 st line treatment of metastatic and/or recurrent squamous cell carcinoma of the head and neck
	Treatment of KRAS wild-type metastatic colorectal cancer in any indication outside of NICE TA176, in patients who have not previously received cetuximab up to progression
Clofarabine	Acute myeloblastic leukaemia in patients with relapsed/refractory disease in whom the intent is to use treatment as a bridge to bone marrow transplantation
	Acute lymphoblastic leukaemia in patients with relapsed/refractory disease in whom the intent is to use treatment as a bridge to bone marrow transplantation
Crizotinib	In second and subsequent line anaplastic lymphoma kinase (ALK) – positive advanced non -small lung cancer
Dasatinib	Treatment of adults with Philadelphia chromosome positive (Ph+) acute lymphoblastic leukaemia (ALL) with resistance or intolerance to prior therapy including Imatinib
	Treatment of adults with Philadelphia chromosome positive (Ph+) lymphoid blast CML with resistance or intolerance to prior therapy including Imatinib
	2 nd line treatment of chronic, accelerated or blast phase CML patients with intolerance to imatinib mesilate, and who are intolerant of nilotinib
Eribulin	Treatment of patients with locally advanced or metastatic breast cancer who have been previously treated with (or unsuitable for) an anthracycline, a taxane and capecitabine
Everolimus	2 nd line treatment of metastatic renal cell carcinoma where disease has progressed on or after treatment with VEGF-targeted therapy or where patient has a contra-indication to or is intolerant of VEGF –targeted therapy
	1 st line treatment of unresectable or metastatic, well- or moderately-differentiated neuroendocrine tumours of pancreatic origin in adults with progressive disease
	2 nd line treatment of unresectable or metastatic, well- or moderately-differentiated neuroendocrine tumours of pancreatic origin in adults with progressive disease
	2 nd line treatment of hormone receptor +ve, HER2 negative advanced breast cancer, in combination with exemestane, in post menopausal women without symptomatic visceral disease after recurrence or progression following a non steroidal aromatase inhibitor who have not received previous exemestane
Imatinib	Adjuvant treatment of gastro-intestinal stromal tumours (GIST), in patients considered high risk of relapse (based on risk criteria or mutation analysis), for up to 3 years
Lapatinib	2 nd and subsequent line use in combination with capecitabine for the treatment of patients with locally recurrent or metastatic breast cancer, whose tumours over express HER2(ErbB2) and whose disease has progressed on trastuzumab
Lenalidomide	2 nd line treatment of multiple myeloma in patients who have contraindications to the use of bortezomib

Nelarabine	Treatment of refractory T-cell lymphoblastic non-Hodgkin's Lymphoma as a bridge to bone marrow transplantation
	Treatment of refractory T-cell acute lymphoblastic leukaemia as a bridge to bone marrow transplantation
Ofatumumab	2 nd line treatment of chronic lymphocytic leukaemia (CLL) in patients who are refractory to fludarabine and ineligible/unsuitable for alemtuzumab
	2 nd line treatment of CLL in patients with p53 mutation who relapse or progress on first line alemtuzumab and are not suitable for fludarabine
	3 rd line treatment of CLL in patients refractory to fludarabine and alemtuzumab
Pazoponib	Third line treatment of metastatic non-adipocytic soft tissue sarcoma
Pegylated Liposomal Doxorubicin (Caelyx)	1 st line treatment of angiosarcoma, especially cutaneous
	2 nd line treatment of angiosarcoma, especially cutaneous
	1 st line treatment of primary sarcoma of the heart and great vessels
	1 st line treatment of sarcoma in patients with cardiac impairment who need an anthracycline
	2 nd line treatment of sarcoma in patients with cardiac impairment who need an anthracycline
	2 nd line treatment of fibromatosis
Pemetrexed	2 nd line treatment of patients with locally advanced or metastatic non-small cell lung cancer other than predominantly squamous cell histology in patients who did not receive 1 st line pemetrexed e.g. 1 st line clinical trial
	Maintenance treatment of stage IIIB/IV non-squamous non-small cell lung cancer after response to pemetrexed-containing first line therapy
Peptide receptor Radionucleotide Therapy to include Lutetium 177 Octreotate or Yttrium90 octreotide/octreotate	Treatment of advanced neuroendocrine tumours i.e. for pNETS after sunitinib/Chemotherapy, For mid-gut Carcinoid, after octreotide/somatostatin therapies
Ruxolitinib	1 st line treatment of symptomatic splenomegaly in adult patients with primary myelofibrosis, post polycythaemia vera myelofibrosis or post essential thrombocythaemia myelofibrosis. For new patients only
	2 nd line treatment of symptomatic splenomegaly in adult patients with primary myelofibrosis, post polycythaemia vera myelofibrosis or post essential thrombocythaemia myelofibrosis. For new patients only
Sorafenib	1 st line treatment of advanced hepatocellular carcinoma in patients with Childs A disease
	1 st line treatment of advanced hepatocellular carcinoma in patients with low disease burden Childs B disease
	Treatment of papillary or follicular thyroid cancer that is inoperable or metastatic disease that is refractory to radioiodine
Sunitinib	1 st line treatment of unresectable or metastatic, well-differentiated pancreatic neuroendocrine tumour with disease progression
	2 nd line treatment of unresectable or metastatic, well-differentiated pancreatic neuroendocrine tumour with disease progression
	3 rd line treatment of unresectable or metastatic, well-differentiated pancreatic neuroendocrine tumour with disease progression
Temsirolimus	1 st line treatment of patients with advanced renal cell carcinoma

	(RCC) who have at least three of six prognostic risk factors.
Vandetinib	Treatment of symptomatic, locally advanced (unresectable) or metastatic medullary thyroid cancer.

8.2 DRUGS AFFECTING THE IMMUNE RESPONSE

8.2.1 Cytotoxic Immunosuppressants

Azathioprine

Cellcept

Specialist Use/ Transplant

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

8.2.3 Anti-lymphocyte monoclonal antibodies

Rituximab

Haematologist/Rheumatologist

Rituximab

ANCA associated vasculitis

Alemtuzumab

Haematologists and Oncologists

8.2.4 Interferons

Interferon alfa

according to protocol

Interferon beta

according to contract

Peginterferon alfa

Natalizumab

Fingolimod

Thalidomide

Use in line with NICE TA228 & Cancer Network Guidelines

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

Abiraterone Acetate

Cyproterone

Goserelin
Flutamide
Bicalutamide
Degarelix

8.3.4.3 Somatostatin analogues

Octreotide
Lanreotide
Sandostatin LAR[®]
Pasireotide (Signifor[®])

Prior approval from PCT required

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)

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

9.1.2 Drugs used in megaloblastic anaemias

Hydroxocobalamin

Folic Acid

9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias

Darbepoetin Alfa

Epoetin Alfa

Epoetin Beta

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

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[®])

Hydroxyethyl starch (Voluven[®])

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- 400

Sandocal- 1000

Calcichew

Calcichew Forte

Calcium Sandoz -liquid

Parenteral - Calcium Chloride or Calcium Gluconate

9.5.1.2 Hypercalcaemia and hypercalciuria.

Cinacalcet

9.5.1.3 Magnesium Supplements

Parenteral - Magnesium Sulphate

Magnaspartate Sachets

9.5.2 Phosphorus

Phosphate-Sandoz
Sodium Phosphate Oral Solution

9.5.2.2 Phosphate-binding Agents

Calcium Acetate

Aluminium Hydroxide
Sevelamer (Renagel®)
Sevelamer (Renvela®) Powder Sachets Only
Lanthanum Carbonate

9.5.3 Fluoride

Duraphat Toothpaste 2800 ppm (Sodium Fluoride 0.619%)

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

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 (Calceos®)
Calcium carbonate 1.5g (calcium 600mg) & colecalciferol 10 micrograms (Adcal – D3®)
Ergocalciferol injection
Paricalcitol
Colecalciferol (Fultium D3)

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® drops
Vitamin Capsules
Ketovite® tablets/liquid

Multivitamins

Forceval®

Sanatogen A-Z complete®

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

Diclofenac

(Dyloject®)

For IV use only in Theatres

Diclofenac with misoprostol

Indometacin

Ketoprofen gel (Ibuprofen gel 5% due to manufacturing problem)

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

Azathioprine

Ciclosporin (Cyclosporin)

Methotrexate

Leflunomide

Rheumatologists

Etanercept

Certolizumab Pegol

Rheumatologists

Infliximab

Dermatology/Rheumatology/Gastroenterology

Anakinra

Rheumatologists

Adalimumab

Rheumatologist/Gastroenterologists

Tocilizumab

Rheumatology as per NICE guidance

Golimumab

Rheumatologists

Abatacept

Rheumatologists

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

Edrophonium Chloride for 'Tensilon[®]' test

10.2.2 Skeletal muscle relaxants

Baclofen

Dantrolene see 15.1.8

Diazepam see 4.1.2

Tizanidine Neurologist

NOCTURNAL LEG CRAMPS

Quinine see 5.4.1

DRUGS FOR THE RELIEF OF SOFT-TISSUE INFLAMMATION

10.3.1 Enzymes

Hyaluronidase

10.3.2

Rubefacients and other topical antirheumatics

Capsaicin Cream

Transvasin Cream

TOPICAL NSAID'S

Ketoprofen gel

MoveLat

POULTICES

Kaolin poultice

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

Gentamicin Eye drops

Chlortetracycline Eye ointment

Benzylpenicillin Eye-drops

Chlorhexidene Eye drops

Gentamicin Forte Eye drops

11.3.2 Antifungals

Clotrimazole Eye drops

Named patient

11.3.3 Antivirals

Aciclovir Eye Ointment

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[®])

Cyclosporin (Cyclosporin) Eye Drops

Bromfenac Sodium sesquihydrate (Yellox[®]) eye drops

Dexamethasone intravitreal implant

Fluocinolone Acetonide (Iluvien[®])Intravitreal Implant

Named patient

Hospital use only

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

Prostaglandin Analogues with Timolol

Latanoprost with Timolol

Travoprost 40micrograms/Timolol 5mg per ml (DuoTrav®)

Bimatoprost with Timolol (Ganfort®)

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

11.7 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

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
AREDS Formula (e.g. Ocuvite® /Preservision®)
Balanced Salt Solution and Balanced salt Solution Plus
Diclofenac Ophtha Eye Drops
Fluorescein Eye Drops and Fluorets
HydroxyPropylMethylCellulose Eye Drops
Ketorolac Optha 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®)

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®)

Betamethasone Ear Drops

Dexamethasone as Otomize Ear Drops

Prednisolone Ear Drops

Otosporin®

ANTI-INFECTIVE PREPARATIONS

Gentamicin with Hydrocortisone Ear Drops (Gentisone HC®)

Clotrimazole

Framycetin as Sofradex® 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

Beclometasone (Beclomethasone) Drops/ Nasal Spray

Budesonide Aqueous aerosol inhalation

Fluticasone Furoate (Avamys®)

Mometasone (Nasonex®)

Sodium Cromoglicate nasal Spray

Triamcinolone (Nasacort®) Nasal Spray

12.2.2 Topical Nasal Decongestant

Ephedrine Nasal Drops

Xylometazoline Nasal Drops

12.2.3 Anti-infective nasal preparations

Mupirocin (Bactroban®) nasal ointment

Chlorhexidine/Neomycin Nasal ointment (Naseptin®)

12.3 DRUGS ACTING ON OROPHARYNX

12.3.1 Drugs for oral ulceration and inflammation

Benzydamine Mouthwash, Spray

Bonjela gel

Hydrocortisone Oral pellets

Orabase® Paste

Adcortyl in Orabase® Paste

Tacrolimus 0.1% in Orabase[®] 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[®])

12.3.4 Mouthwashes, gargles and Dentrifices

Chloraseptic Spray

Chlorhexidine Mouthwash

Glycerin & Thymol Mouthwash

Gelclair[®] 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[®])

Biotene Oral Balance[®] Gel

Pilocarpine tablets

CHAPTER 13: SKIN

13.2 EMOLLIENTS AND BARRIER PREPARATIONS

13.2.1 Emollients

Aqueous Cream
Balneum® Plus Cream
Doublebase® Gel
Emulsifying ointment in water
Zerocream® (E45® Cream substitute)
Zerobase® (Diprobace substitute)
Epaderm® Ointment
Hydromol® Cream and Ointment
Liquid Paraffin 50% in Yellow soft paraffin
Eczmol® Cream

13.2.1.1 Emollient Bath Additives

Aveeno® Bath oil
Balneum® Bath oil
Balneum® Plus Oil
Dermol® Emollient

13.2.2 Barrier Preparations

Sudocrem®
Zinc and Castor oil Cream
Kamillosan® Ointment
Sprilon® Spray application
Vasogen® Cream

13.2.3 Dusting Powders

Talc and hexachlorophane 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
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%
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

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

The following “specials” used by Dermatology department:

- *Dithranol in Lassars paste 0.25%, 0.5%, 0.1%, 1%, 2%, 4%, (w/v)*
- *Dithranol in Salicylic Acid 2% in emulsifying ointment 0.1%, 0.25%, 0.5%, 1%, 2%*
-

Dovobet® ointment

Dovobet® Scalp Gel

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

Methoxyypsoralen Emulsion
Methoxyypsoralen Bath lotion

13.5.3 Drugs Affecting the Immune Response

Ciclosporin (Cyclosporin)
Methotrexate
Tacrolimus ointment
Pimecrolimus cream
Adalimumab
Etanercept
Ustekinumab

Dermatology (3rd line treatment only)

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
Isotrexin Gel

13.6.2 Oral preparations for acne

Isotretinoin Capsule
Co-cyprindiol (Dianette®)
Minocycline
Lymecycline

Continuation only
Continuation only

13.7 PREPARATIONS FOR WARTS AND CALLUSES

Salicylic acid preparations (Cuplex®, Verrugon®)
Salactol® Paint
Salatac® Gel

GENITAL WARTS

Podophyllum preparations
Warticon® Solution
Imiquimod

13.8 SUNSCREENS AND CAMOUFLAGERS

RoC® Total Sunblock Factor 25
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

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 Parasiticial 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)

Chlorhexidine Preparations

Hydrogen peroxide Preparations

Hydrogen peroxide cream (Crystacide[®])

Industrial Methylated Spirit Preparations

Manusept[®] Solution

Phisomed[®] Cleanser

Plaster Remover

Potassium permanganate (Permitabs[®])

Povidone Iodine Preparations

Sodium Hypochlorite Preparations

13.11.7 Desloughing agents

13.13 TOPICAL CIRCULATORY PREPARATIONS

Hirudoid[®] Cream

Lasonil[®] 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

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

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

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

APPENDIX 2: BORDERLINE SUBSTANCES

A2.1 Enteral Feeds

Nutrison
Nutrison Multifibre
Nutrison Soya
Nutrison Energy
Nutrison Energy Multifibre
Nutrison Protein Plus
Nutrison Protein Plus Multifibre

A2.2 Nutritional Supplements

Fortijuice
Fortisip
Fortisip Multifibre
Fortisip Yogurt Style
Forticreme
Fortisip Extra
Renilon

A2.3 Specialised Formulas for Specific Clinical Conditions

A2.4 High Energy Supplements

Calogen
Protifar
Scandishake

A2.5 Feed additives

VSL#3
Nutilis®Powder

For treatment of pouchitis

APPENDIX 8: WOUND MANAGEMENT PRODUCTS SUBSTANCES AND ELASTIC HOSIERY

See separate local policy/formulary on Tissue Viability intranet site at: <http://intranet/tissueviability/>
The Trust Wound Formulary is listed on this link: <http://intranet/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

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
Askina Calgitrol thin 5cm x 5cm Podiatry specialist
Askina Calgitrol Paste 15 g Podiatry specialist

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

Elastoviscous polymers for the treatment of pain in osteoarthritis

Hylan G-F 20 injection (Synvisc®)

Orthopaedics/Rheumatology

Fibrin sealants

Tisseel® fibrin sealant

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

Hexaminolevulinate (Hexvix®)

Urology

Perflutren lipid microspheres (Luminity®)

Cardiology

Cyclo-Taurolidine and Citrate 4% (TauroLock®)

Consultant Microbiologist/Renal

Exem Foam

Obs and Gynae use only

Medicinal products for diagnostic use only

Regadenoson (Rapiscan®)

Contrast Media Agents

Gadoteridol (Prohance®)

Radiology

Gadoxetic Acid (Primovist®)

Radiology

Gadobutrol (Gadovist®)

Radiology

Vitamin A&D cream/ointment

For use in breast reconstruction only.

FORMULARY APPENDIX 2 – DRUGS RECOMMENDED IN NICE TA WHICH ARE NOT IN FORMULARY

NICE TA	EXPLANATION
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.
TA 282 Pirfenidone for treating idiopathic pulmonary fibrosis	Submission received awaiting funding confirmation from NHS England

Unlicensed Drugs – Please see <http://intranet/pharmacy/pdf/unlicensedmedslist0909.pdf>

