

MFT TRUST FORMULARY



Manchester University

NHS Foundation Trust

Central & Trafford Hospitals

	BNF Chapter
Section 1:	Gastro-Intestinal System
Section 2:	Cardiovascular System
Section 3:	Respiratory System
Section 4:	Central Nervous System
Section 5:	Infections
Section 6:	Endocrine System
Section 7:	Obstetrics, gynaecology & urinary tract disorders
Section 8:	Malignant disease & immunosuppression
Section 9:	Nutrition & blood
Section 10:	Musculoskeletal & Joint Diseases
Section 11:	Eye
Section 12:	Ear, nose & oropharynx
Section 13:	Skin
Section 14:	Immunological products & vaccines
Section 15:	Anaesthesia

Version 6.2 (March 2018)

NICE National Institute for
Health and Care Excellence

Prescribers must always bear in mind when prescribing medicines recommended as "treatment options" by NICE, that this is an opportunity for the clinician and the patient to consider and discuss its use alongside other potential treatment options available.

Formulary status definitions

Formulary (OK to be prescribed - but after any 1st or 2nd line options)

1st line formulary (when there are few formulary options, this is the 1st choice)

2nd line formulary (when there are few formulary options, this is the 2nd choice)

Where

there is no preferred 1st line agent provided, the drug choice appears in alphabetical order.

1st line medicines for certain therapeutic groups and any restrictions placed upon prescribing are indicated in the box after the medicine name. Where modified release preparations of a formulary drug are available a comment will clarify its status. Newly licensed modified release preparations of existing formulary drugs will remain non-formulary until a review is carried out and recommendations are published. Where published guidance from NICE, MTRAC or the CSM is available, a reference to this is made either in the box after the medicine name or under the section title. Prescribing guidance issued by the Area Prescribing Committee is also included where it is available.



PCT Red/Amber/Green classifications



Adult RAG list

Paediatric RAG list

Red

Drugs designated red are considered to be specialist medicines and prescribing responsibility for these medicines should normally remain with the consultant or specialist clinician. These drugs should not be initiated or prescribed in primary care. It is recommended that the supply of these specialist medicines should be organised via the hospital pharmacy, this may include arranging for supply via a home care company. These drugs should not be initiated or prescribed in primary care. It is recommended that the supply of these specialist medicines should be organised via the hospital pharmacy, this may include arranging for supply via a home care company.

Amber

Drugs designated amber are suitable for shared care arrangements under a shared care protocol. Prescribing may be transferred from secondary to primary care once the patient is stabilised and agreed shared care arrangements have been established. Alternatively primary care may initiate under the supervision of secondary care if this option is given in the shared care document. It is recommended that shared care arrangements should be drawn up following local discussion and agreement by prescribing parties.

Green

Drugs designated green are suitable for initiation (unless specified otherwise) and ongoing prescribing within primary care.

Green

specialist initiation

Drugs designated green with specialist initiation are suitable for on-going prescribing within primary care. Little or no monitoring is required. Transfer of prescribing should occur after initiation and an initial review (unless specified) in secondary care.

Green

following specialist recommendation








For drugs that can be initiated by primary care following written or verbal advice from a specialist and can then subsequently be safely prescribed in primary care with little or no monitoring required.

Unlicensed:



Unlicensed indications are automatically classified as red unless designated otherwise on the list below. If a medicine is unlicensed this should be highlighted in the template as follows: drug name^U

Glossary:

 Medicines Management Committee decision tables (Central & Trafford)
 Summary of Product Characteristics
 British National Formulary (BNF)
 British National Formulary for Children (BNFC)
 NICE guidance
 Payment by Results high cost excluded drug
 GMMMG formulary links

PCT Guidelines

Greater Manchester Medicines Management Group FORMULARY



GMMMG Adult **Red/Amber/Green** Drug List

GMMMG Paediatric **Red/Amber/Green** Drug List

GMMMG **Do Not Prescribe (DNP)** and Grey List (May 2015)

Useful Links

All Wales Medicines Strategy Group

British HIV Association (BHIVA)

British National Formulary (**No password required**)

British National Formulary for Children (**No password required**)

Committee on Safety of Medicines (CSM)

electronic Medicines Compendium (eMC)

General Pharmaceutical Council (GPhC)

Greater Manchester Medicines Management Group (GMMMG)

Medicines and Healthcare products Regulatory Agency (MHRA)

Midlands Therapeutics Review and Advisory Committee (MTRAC)

National Institute for Health and Clinical Excellence (NICE)

National Patient Safety Agency (NPSA)

National Prescribing Centre (NPC)


NHS Evidence

NICE Pathways

Scottish Medicines Consortium (SMC)

UK Medicines Information (UKMi)

Section 1: Gastro-Intestinal System

Supported by the 
formulary ([click here](#))

1.1 Dyspepsia & gastro-oesophageal reflux disease

1.1.1 Antacids & Simeticone

1.1.2 Compound Alginates & Proprietary Indigestion Preparations

1.2 Anti-spasmodics & other drugs altering gut motility

Antimuscarinics

Other Antispasmodics

Motility Stimulants

1.3 Antisecretory drugs & mucosal protectants

1.3.1 H₂-Receptor Antagonists

1.3.3 Chelates & Complexes

1.3.5 Proton Pump Inhibitors

1.4 Acute diarrhoea

1.4.2 Antimotility Drugs

1.5 Chronic bowel disorders

1.5.1 Aminosalicylates

1.5.2 Corticosteroids & Enemas

1.5.3 Drugs Affecting the Immune Response

Cytokine Modulators

1.6 Laxatives

1.6.1 Bulk-forming Laxatives

1.6.2 Stimulant Laxatives

1.6.3 Faecal Softeners

1.6.4 Osmotic Laxatives

1.6.5 Bowel Cleansing Preparation

1.6.6 Peripheral opioid-receptor antagonists

1.6.7 Other drugs used in constipation

1.7 Local preparations for anal & rectal disorders

1.7.2 Compound Haemorrhoidal Preparations with Corticosteroids

1.7.4 Management of anal fissures

1.9 Drugs affecting intestinal secretions

1.9.1 Drugs affecting biliary composition & flow

1.9.2 Bile acid sequestrants

1.9.4 Pancreatin

1.10 Miscellaneous preparations

Trust Guidelines













Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)





















NICE Guidance

Faecal Incontinence (CG49)
Irritable Bowel Syndrome (CG61)
Diarrhoea and vomiting in children under 5 (CG84)
Coeliac disease (CG86)
Constipation in children and young people (CG99)
Acute upper GI bleeding (CG141)
Crohn's disease (CG152)
Ulcerative colitis (CG166)
Dyspepsia and gastro-oesophageal reflux disease (CG184)
Ulcerative colitis (acute exacerbations) - infliximab (TA163)
Crohn's disease - infliximab & adalimumab (TA187)
Constipation (women) - prucalopride (TA211)
Lubiprostone for treating chronic idiopathic constipation (TA318)
Infliximab, adalimumab & golimumab for treating moderately to severely active ulcerative colitis (TA329)
Vedolizumab for treating moderately to severely active ulcerative colitis (TA342)
Naloxegol for treating opioid-induced constipation (TA345)
Vedolizumab for treating moderately to severely active Crohn's disease after prior therapy (TA352)
Obeticholic acid for treating primary biliary cholangitis (TA443)
Ustekinumab for moderately to severely active Crohn's disease after previous treatment (TA456)
Eluxadoline for treating irritable bowel syndrome with diarrhoea (TA471)

GMMMG Formulary

Formulary Homepage
Chapter 1: Gastro-Intestinal system (Complete)
GMMMG Adult [Red/Amber/Green](#) Drug List
GMMMG Paediatric [Red/Amber/Green](#) Drug List

1.1 Dyspepsia & gastro-oesophageal reflux disease		GMMMG
1.1.1 Antacids & Simeticone		NICE CG17
Aluminium & Magnesium Containing Antacids		
Co-magaldrox 195/220 suspension ^{SF}	  	1 st line use
Magnesium Trisilicate	  	
Simeticone alone (activated dimeticone)		
Simeticone (Infacol®) 40mg/mL liquid	  	RESTRICTED Paediatric use only
1.1.2 Compound Alginates & Proprietary Indigestion Preparations		
Alginate raft-forming oral suspensions ^{SF}	  	

1.2 Anti-spasmodics & other drugs altering gut motility		GMMMG
Antimuscarinics		
Hyoscine Butylbromide 10mg tablets	  	
Glycopyrronium Bromide (Sialanar®) 400 micrograms/mL	 MMC  	
Other Antispasmodics		
Mebeverine Hydrochloride 135mg tablets	  	1st line use
Peppermint oil	  	
Motility Stimulants		
Metoclopramide 10mg tablets (see also section 4.6)	  	1st line use
Domperidone 10mg tablets (see also section 4.6)	   	Use where 1st line unsuitable 

1.3 Antisecretory drugs & mucosal protectants



1.3.1 H₂-Receptor Antagonists

NICE CG17

Ranitidine



150mg; 300mg tablets

1.3.3 Chelates & Complexes

Sucralfate



1g tablets

Bismuth Subsalicylate (Pepto-Bismol®)



262.5mg chewable tablets

RESTRICTED - Adults, H. Pylori eradication regime

1.3.5 Proton Pump Inhibitors

NICE CG17

Omeprazole















10mg; 20mg; 40mg capsules

Lansoprazole




























































15mg; 30mg capsules

Other PPIs are not available in this Trust

1.4 Acute diarrhoea		GMMMG
1.4.2 Antimotility Drugs		NICE TA471
Loperamide hydrochloride 2mg capsules; 1mg/5mL syrup ^{SF}	  	1 st line use
Codeine Phosphate 15mg; 30mg & 60mg tablets	  	RESTRICTED Adults - high output stomas
Eluxadoline 	    	RESTRICTED Gastro. Consultants only in line with NICE

1.5 Chronic bowel disorders		GMMMG	
1.5.1 Aminosalicylates		NICE CG61	
Mesalazine (prescribe by brand name)	 BNF		
Balsalazide Sodium 750mg capsules	MMC BNF		
1.5.2 Corticosteroids & Enemas			
Prednisolone 5mg tablets	 BNF		1st line use
Budesonide (Budenofalk®) 3mg capsules	MMC BNF		
Budesonide 3mg CR capsules	MMC BNF		RESTRICTED - Adults Gastro. Consultants only
Hydrocortisone foam enema	 BNF		
Short chain fatty acid enema (Nutricol®)	MMC BNF		RESTRICTED - Adults Gastro. Consultants only
1.5.3 Drugs Affecting the Immune Response		NICE TA342 NICE TA352	
Azathioprine see also section 8.2.1	 BNF		1st line use
Ciclosporin (oral and I.V. preparations) see also section 8.2.2	MMC BNF		
Mercaptopurine see also section 8.1.3	 BNF		
Methotrexate (s/c and oral preparations) see also section 10.1.3	MMC BNF		
Vedolizumab MMC BNF			RESTRICTED Gastro. Consultants in line with NICE TA342 & TA352
Cytokine Modulators		NICE TA163 NICE TA187 NICE TA329 NICE TA456	
Adalimumab see also sections 10.1.3 & 13.5.3	MMC BNF		RESTRICTED Gastro. Consultants for Crohn's Disease & Ulcerative colitis as per NICE
Infliximab see also sections 10.1.3 & 13.5.3	MMC BNF		RESTRICTED Gastro. Consultants for Crohn's Disease & Ulcerative colitis as per NICE
Golimumab see also sections 10.1.3	MMC BNF		RESTRICTED Gastro. Consultants for Crohn's Disease & Ulcerative colitis as per NICE
Ustekinumab see also sections 10.1.3	MMC BNF		RESTRICTED Gastro. Consultants for Crohn's Disease as per NICE
ICAM-1 Inhibitor			
Alicaforsen	MMC BNF		RESTRICTED Gastro. Consultants only for pouchitis

1.6 Laxatives		GMMMG
1.6.1 Bulk-forming Laxatives		
Ispaghula husk	  	1st line use
3.5g sachets		
1.6.2 Stimulant Laxatives		
Docusate Sodium	  	1st line use
Senna	  	1st line use
Bisacodyl	  	
Glycerol	  	
Sodium Picosulfate	  	
Co-Danthramer	  	RESTRICTED - Adults, Palliative Care only
Co-Dantrusate	  	RESTRICTED - Adults, Palliative Care only
1.6.3 Faecal Softeners		
Arachis Oil	  	
1.6.4 Osmotic Laxatives		
Lactulose	  	1st line use
Macrogols (Polyethylene glycols)	   MMC	2nd / 3rd line use Rehab patients / paediatrics
Phosphates (Rectal)	  	
128mL enema		
Sodium Citrate (Rectal)	  	
450mg micro-enema		
1.6.5 Bowel Cleansing Preparations		
		NPSA alert
Sodium Picosulfate with Magnesium Citrate (Picolax®) oral powder	  	1st line use
Macrogols (Klean-Prep® & Moviprep®) oral powder	  	
1.6.6 Peripheral opioid-receptor antagonists		
		NICE TA345
Methylnaltrexone Bromide (injection)	  	RESTRICTED - Adults, Palliative Care only
Naloxegol	   NICE MMC	RESTRICTED - Adults only in line with TA345
1.6.7 Other drugs used in constipation		
		NICE TA211
		NICE TA318
Prucalopride	   NICE MMC	RESTRICTED - Adult women, Gastro. Consultants only
1mg; 2mg tablets		
Linaclotide Green	   MMC	RESTRICTED - 3rd line use Adults, Gastro. Consultants only
290 micrograms capsules		

Lubiprostone

24microgram capsules



**RESTRICTED - Adults, Gastro.
Consultants only in line with NICE**

1.7 Local preparations for anal & rectal disorders



1.7.2 Compound Haemorrhoidal Preparations with Corticosteroids

Anusol®



ointment



Proctosedyl®



ointment



Scheriproct®



ointment; suppositories



1.7.4 Management of anal fissures

Glyceryl Trinitrate (Rectogesic®)

0.4% ointment
























1st line for anal fissure

Diltiazem Hydrochloride



2% cream



1.9 Drugs affecting intestinal secretions		GMMMG
1.9.1 Drugs affecting biliary composition & flow		NICE TA443
Ursodeoxycholic acid 150mg tablets	   	1 st line use
Obeticholic acid 5mg; 10mg tablets	     	RESTRICTED Hepatology Consultants only 2 nd line as per NICE
1.9.2 Bile acid sequestrants		
Colestyramine (powder 4g sachet) see also section 2.12	  	1 st line use
Colesevelam Hydrochloride (625mg tablets) see also section 2.12	    	RESTRICTED adults. Gastro & Lipid Clinic Consultants only
1.9.4 Pancreatin		
Pancreatin (capsules)	  	

1.10 Miscellaneous preparations

Glucarpidase




Voraxaze®



**RESTRICTED 2nd line rescue therapy
in patients with delayed methotrexate
excretion**

Section 2: Cardiovascular System

Supported by the 
formulary ([click here](#))

2.1 Positive inotropic drugs

- 2.1.1 Cardiac Glycosides
- 2.1.2 Phosphodiesterase Inhibitors

2.2 Diuretics

- 2.2.1 Thiazides & Related Diuretics
- 2.2.2 Loop Diuretics
- 2.2.3 Potassium-sparing Diuretics & Aldosterone Antagonists
- 2.2.4 Potassium-sparing Diuretics with other Diuretics
- 2.2.5 Osmotic Diuretics

2.3 Anti-arrhythmic drugs

- 2.3.2 Drugs for Arrhythmias

2.4 Beta-adrenoceptor blocking drugs

2.5 Hypertension & heart failure

- 2.5.1 Vasodilator Antihypertensive Drugs
- 2.5.2 Centrally Acting Antihypertensive Drugs
- 2.5.4 Alpha-Adrenoceptor Blocking Drugs
- 2.5.5 Drugs Affecting the Renin-Angiotensin System
 - 2.5.5.1 Angiotensin-Converting Enzyme (ACE) Inhibitors
 - 2.5.5.2 Angiotensin-II Receptor Antagonists

2.6 Nitrates, calcium-channel blockers & other antianginals

- 2.6.1 Nitrates
- 2.6.2 Calcium-channel Blockers
- 2.6.3 Other Antianginal Drugs
- 2.6.4 Peripheral Vasodilators & Related Drugs

2.7 Sympathomimetics

- 2.7.1 Inotropic Sympathomimetics
- 2.7.2 Vasoconstrictor Sympathomimetics
- 2.7.3 Cardiopulmonary Resuscitation

2.8 Anticoagulants & protamine

- 2.8.1 Parenteral Anticoagulants
- 2.8.2 Oral Anticoagulants
- 2.8.3 Protamine Sulfate

2.9 Antiplatelet drugs

2.10 Stable angina, acute coronary syndromes & fibrinolysis

- 2.10.2 Fibrinolytic Drugs

2.11 Antifibrinolytic drugs & haemostatics

2.12 Lipid-regulating drugs

- Statins
- Bile Acid Sequestrants
- Fibrates
- Omega-3 fatty acid compounds
- Ezetimibe

2.13 Local sclerosants

2.14 Miscellaneous preparations

Trust Guidelines
















[Adult medicines and prescribing guidelines](#)
[Paediatric medicines and prescribing guidelines](#)
[Neonatal guidelines \(link to Staffnet site\)](#)
[Non-formulary Conversion Table](#)































NICE Guidance

[Prophylaxis against infective endocarditis \(CG64\)](#)
[Stroke \(CG68\)](#)
[Familial hypercholesterolaemia \(CG71\)](#)
[Venous thromboembolism - reducing the risk \(CG92\)](#)
[Unstable angina and NSTEMI \(CG94\)](#)
[Chest pain of recent onset \(CG95\)](#)
[Hypertension in pregnancy \(CG107\)](#)
[Chronic heart failure \(CG108\) \(replaces CG5\)](#)
[Stable angina \(CG126\)](#)
[Hypertension \(CG127\)](#)
[Myocardial infarction with ST-segment elevation \(CG167\)](#)
[Myocardial infarction: secondary prevention \(CG172\)](#)
[Atrial fibrillation: the management of atrial fibrillation \(CG180\)](#)
[Lipid modification: CV risk assessment and the modification of blood lipids for the 1ry & 2ry prevention of CVD \(CG181\)](#)
[Acute coronary syndromes - glycoprotein IIb/IIIa inhibitors \(review\) \(TA47\) \(partially updated by CG94\)](#)
[Myocardial infarction - thrombolysis \(TA52\)](#)
[Guidance on the use of coronary artery stents \(TA71\) \(partially updated by TA152\)](#)
[Myocardial perfusion scintigraphy for the diagnosis and management of angina & MI \(TA73\) \(partially updated by TA95 & TA126\)](#)
[Hypercholesterolaemia - Ezetimibe \(TA132\)](#)
[Coronary artery disease - drug eluting stents \(TA152\)](#)
[Venous thromboembolism - dabigatran \(TA157\)](#)
[Rivaroxaban for the prevention of VTE \(TA170\)](#)
[Atrial Fibrillation - dronedarone \(TA197\)](#)
[Vascular disease - clopidogrel and dipyridamole \(TA210\)](#)
[Peripheral arterial disease - cilostazol, naftidrofuryl oxalate, pentoxifylline & inositol nicotinate \(TA223\)](#)
[Myocardial infarction \(persistent ST-segment elevation\) - bivalirudin \(TA230\)](#)
[Acute coronary syndromes - ticagrelor \(TA236\)](#)
[Venous thromboembolism - apixaban \(hip and knee surgery\) \(TA245\)](#)
[Atrial fibrillation - dabigatran etexilate \(TA249\)](#)
[Atrial fibrillation \(stroke prevention\) - rivaroxaban \(TA256\)](#)
[Venous thromboembolism \(treatment & long term 2ry prevention\) - rivaroxaban \(TA261\)](#)
[Stroke \(acute, ischaemic\) - alteplase \(TA264\)](#)
[Chronic heart failure - ivabradine \(TA267\)](#)
[Stroke & systemic embolism \(prevention, non-valvular atrial fibrillation\) - apixaban \(TA275\)](#)
[Pulmonary embolism and recurrent venous thromboembolism - rivaroxaban \(TA287\)](#)
[Prasugrel with PCI for treating ACS \(review of TA182\) \(TA317\)](#)
[Dabigatran etexilate for the treatment and 2ry prevention of DVT and/or PE \(TA327\)](#)
[Rivaroxaban for preventing adverse outcomes after acute management of acute coronary syndrome \(TA335\)](#)
[Apixaban for the treatment and 2ry prevention of DVT and/or PE \(TA341\)](#)
[Edoxaban for treating and for preventing deep vein thrombosis and pulmonary embolism \(TA354\)](#)
[Edoxaban for preventing stroke and systemic embolism in people with non-valvular atrial fibrillation \(TA355\)](#)
[Ezetimibe for treating primary heterozygous-familial and non-familial hypercholesterolaemia \(TA385\)](#)
[Sacubitril valsartan for treating symptomatic chronic heart failure with reduced ejection fraction \(TA388\)](#)
[Alirocumab for treating primary hypercholesterolaemia and mixed dyslipidaemia \(TA393\)](#)
[Evolocumab for treating primary hypercholesterolaemia and mixed dyslipidaemia \(TA394\)](#)
[Ticagrelor for preventing atherothrombotic events after myocardial infarction \(TA420\)](#)

GMMM Formulary

[Formulary Homepage](#)
[Chapter 2: Cardiovascular system \(Complete\)](#)
[GMMM Adult **Red/Amber/Green** Drug List](#)
[GMMM Paediatric **Red/Amber/Green** Drug List](#)

2.1 Positive inotropic drugs		GMIMG
2.1.1 Cardiac Glycosides		
Digoxin	  	1st line use
Digoxin-specific antibody	  	
2.1.2 Phosphodiesterase Inhibitors		
Enoximone	  	
Milrinone	 MMC  	1st line use Paediatrics
Levosimendan (Simdax®)	 MMC  	RESTRICTED adults. Cardiology ITU Consultant only

2.2 Diuretics		GMMMG
2.2.1 Thiazides & Related Diuretics		
Bendroflumethiazide	  	1st line use
Chlortalidone	  	
Metolazone	  	2nd line use with loop diuretic
2.2.2 Loop Diuretics		
Furosemide	  	1st line use
Bumetanide	  	2nd line use
2.2.3 Potassium-sparing Diuretics & Aldosterone Antagonists		
Amiloride hydrochloride	  	1st line use
Spironolactone	  	1st line use
Eplerenone	 MMC  	RESTRICTED adults. Cardiology Consultant only
2.2.4 Potassium-sparing Diuretics with other Diuretics		
Co-amilofruse	  	1st line use
2.2.5 Osmotic Diuretics		
Mannitol	  	



































2.3 Anti-arrhythmic drugs



2.3.2 Drugs for Arrhythmias

NICE TA197

Adenosine				 	
Amiodarone Hydrochloride	Green			 	I.V. guidelines
Disopyramide				 	
Flecainide Acetate	Red	Paeds - until stabilised then	Green	 	I.V. guidelines
Lidocaine (Lignocaine) Hydrochloride				 	
Mexiletine	U			 	RESTRICTED adults. Cardiology Consultant only
Propafenone Hydrochloride				 	
Dronedarone	Green			 	RESTRICTED adults. Cardiology Consultant only, in line with NICE

2.4 Beta-adrenoceptor blocking drugs		GMVMMG
		NICE CG108
		NICE CG127
		NICE CG180
2.4 Beta-Adrenoceptor Blocking Drugs		
Atenolol	  	
Bisoprolol Fumarate	 MMC  	RESTRICTED adults. Cardiology Consultant only
Carvedilol ALSO 2ND LINE FOR VARICEAL BLEED	 MMC  	RESTRICTED adults. Cardiology Consultant only
Esmolol Hydrochloride	  	RESTRICTED /i.v. only
Etilefrine Hydrochloride 	 MMC  	RESTRICTED adults. Haematology Consultants - SCD
Labetalol Hydrochloride	  	RESTRICTED orally in pregnancy
Metoprolol Tartrate	  	
Nadolol	 MMC  	RESTRICTED paed. ventricular arrhythmias in long QT syndrome
Nebivolol	  	
Propranolol Hydrochloride	  	RESTRICTED not in Cardiology
Sotalol Hydrochloride	  	

2.5 Hypertension & heart failure



NICE CG108






















NICE CG127












































NICE CG180

2.5.1 Vasodilator Antihypertensive Drugs

NHSE PAH

Hydralazine Hydrochloride		 BNF emc	1st line use
Minoxidil		 BNF emc	
Bosentan Red		 PbR X MMC BNF emc	RESTRICTED PAH in line with NHSE
Sildenafil (Revatio®) Red green for erectile dysfunction		 PbR X MMC BNF emc	RESTRICTED PAH in line with NHSE
Macitentan (Opsumit®) Red		 PbR X MMC BNF emc	RESTRICTED PAH in line with NHSE
Tadalafil (Adcirca®) Red		 PbR X MMC BNF emc	RESTRICTED PAH in line with NHSE
2.5.2 Centrally Acting Antihypertensive Drugs			
Clonidine Hydrochloride		 BNF emc	
Methyldopa		 BNF emc	
Moxonidine 200microgram tabs		 MMC BNF emc	RESTRICTED 3rd line use after other treatments fail
2.5.4 Alpha-Adrenoceptor Blocking Drugs			
Doxazosin		 BNF emc	1st line use
Phenoxybenzamine Hydrochloride		 BNF emc	RESTRICTED adults. Specialist initiation only
Phentolamine Mesilate		 BNF emc	RESTRICTED adults. Specialist use, theatres only
2.5.5 Drugs Affecting the Renin-Angiotensin System			
2.5.5.1 Angiotensin-Converting Enzyme (ACE) Inhibitors			
Ramipril		 BNF emc	1st line use
Captopril		 BNF emc	RESTRICTED Paediatrics only
Lisinopril		 BNF emc	RESTRICTED Renal Medicine only
Perindopril		 BNF emc	

2.5.5.2 Angiotensin-II Receptor Antagonists		NICE TA388	
Candesartan Cilexetil	   		1 st line use hypertension
Losartan Potassium	  		2 nd line use hypertension
Irbesartan	   		2 nd line use hypertension
Valsartan	   		2 nd line use hypertension
Sacubitril / Valsartan	     		Green after specialist initiation in 2 ^{RY} care.



















2.6 Nitrates, calcium-channel blockers & other antianginals		GMMMG	
2.6.1 Nitrates			
Glyceryl Trinitrate	  		
Isosorbide Mononitrate	  		
2.6.2 Calcium-channel Blockers			
Amlodipine	  		1st choice dihydropyridine
Diltiazem (prescribe by brand name)	  		1st choice non-dihydropyridine
Nifedipine (prescribe by brand name)	  		2nd choice dihydropyridine
Verapamil Hydrochloride	  		2nd choice non-dihydropyridine
Nimodipine	  		RESTRICTED subarachnoid haemorrhage <i>I.V.</i> then oral
2.6.3 Other Antianginal Drugs		NICE TA267	
Nicorandil	  		1st line use
Ivabradine 	    		RESTRICTED adults 2 nd line. Cardiology Consultant only 
Ranolazine	   		RESTRICTED adults 3 rd line angina patients not suitable for surgery
2.6.4 Peripheral Vasodilators & Related Drugs		NICE TA223	
Naftidrofuryl Oxalate	  		
Defibrotide 	   		RESTRICTED Specialist use only in line with NHSE NHSE Commissioning

2.7 Sympathomimetics


2.7.1 Inotropic Sympathomimetics

Dobutamine	  	RESTRICTED /I.V. Specialist use only
Dopamine Hydrochloride	  	RESTRICTED /I.V. Specialist use only
Dopexamine	  	RESTRICTED /I.V. Specialist use only
Isoprenaline	  	RESTRICTED /I.V. Specialist use only





































2.7.2 Vasoconstrictor Sympathomimetics


























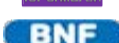








Ephedrine Hydrochloride	  	RESTRICTED /I.V. Specialist use only
Metaraminol 	  	
Midodrine  until stabilised then 	 MMC  	RESTRICTED Specialist use Cardiology.
Noradrenaline acid tartrate	  	RESTRICTED /I.V. Specialist use only
Phenylephrine Hydrochloride	  	RESTRICTED /I.V. Specialist use only
















2.7.3 Cardiopulmonary Resuscitation

Adrenaline / Epinephrine	  	
--------------------------	--	--

2.8 Anticoagulants & protamine		GMMMG
2.8.1 Parenteral Anticoagulants		NICE CG92
		NICE TA230
Dalteparin Sodium see below	 MMC	1 st line LMWH
Epoprostenol Red	 PbR X	RESTRICTED / I.V. Specialist use only
Heparin	 	See Heparin Infusion chart
Bivalirudin	 NICE MMC	RESTRICTED adults. Cardiac Catheter Lab only.
Fondaparinux Sodium	 MMC	RESTRICTED adults. Haematology Consultants only.
Tinzaparin Sodium see below	 MMC	RESTRICTED Obs & Gynae; ACS & VTE in Renal impairment only. Paeds: haemodialysis
Enoxaparin Sodium see below	 MMC	RESTRICTED ACS & VTE in Renal impairment only.
Argatroban monohydrate	 MMC	RESTRICTED adults. Treatment of HIT
All LMWHs: 1) DVT & PE treatment (initial 2 weeks) as per locally agreed pathway 2) Prophylaxis of VTE in oncology patients on VTE inducing therapy 3) Treatment of DVT in pregnancy 4) Pre-op use as warfarin replacement in high risk patients 5) Post-op prophylaxis (e.g. hips, knees, gen. surgery)		Red
LMWH's: Extended treatment of VTE in cancer patients as per Christie SCP. LMWH's: Prophylaxis e.g. immobile patients or those at high risk of DVT at home or in care situation.		Amber
LMWH's: DVT/PE treatment (full anticoagulation required but warfarin contraindicated). NB warfarin remains 1 st line; full stop-start criteria for prescribing must be outlined before passing to primary care. LMWH's: For travel prophylaxis in high risk patients (travelling time over 8 hrs) and only as per national recommendations.		Green
Tinzaparin: use during pregnancy as per SCP. Pregnancy prophylaxis low risk and regular monitoring not required if baseline tests normal.		Amber

2.8.2 Oral Anticoagulants			NICE TA157
			NICE TA170
			NICE TA245
			NICE TA249
			NICE TA256
			NICE TA261
			NICE TA275
			NICE TA287
			NICE TA327
			NICE TA335
			NICE TA341
			NICE TA354
			NICE TA355
Acenocoumarol		  	RESTRICTED warfarin intolerant patients only.
Phenindione		  	
Warfarin Sodium		  	Warfarin dosing chart
Dabigatran Etexilate	Green	    	RESTRICTED in line with NICE guidance
Idarucizumab (Praxbind®)		   	RESTRICTED reversal of dabigatran in emergency surgery
Rivaroxaban	Green	    	RESTRICTED in line with NICE guidance
Apixaban	Green	    	RESTRICTED in line with NICE guidance
Edoxaban	Green	    	RESTRICTED in line with NICE guidance
2.8.3 Protamine Sulfate			
Protamine Sulfate		  	

2.9 Antiplatelet drugs		GMMMG
		NICE CG94
		NICE TA47
		NICE TA210
		NICE TA236
		NICE TA317
		NICE TA420
Aspirin	  	
Clopidogrel	    	For ACS patients; stroke patients intolerant of aspirin; high-risk patients who've stroked on aspirin
Ticagrelor	    	In combination with aspirin for primary PCI in ACS patients and in line with NICE TA420
Prasugrel	    	RESTRICTED adults. Cardiac Catheter Lab as per NICE
Dipyridamole	    	2 ^{RY} prevention of stroke in patients already on aspirin
Tirofiban	   	RESTRICTED adults. Cardiac Catheter Lab only (1 st line)
Abciximab	  	RESTRICTED adults. Cardiac Catheter Lab only (2 nd line)
Eptifibatide	   	RESTRICTED adult patients admitted on this or tirofiban





































2.10 Stable angina, ACS & fibrinolysis	
• Stable angina (BNF treatment summary)	NICE CG68
• Acute coronary syndromes (BNF treatment summary)	NICE CG126
• Fibrinolytic Drugs (BNF treatment summary)	NICE TA52
2.10.2 Fibrinolytic Drugs	NICE TA264
Tenecteplase	   
Streptokinase	  
Urokinase	  
Alteplase	    RESTRICTED

2.11 Antifibrinolytic drugs & haemostatics



2.11 Antifibrinolytic Drugs & Haemostatics

Etamsylate	  	
Tranexamic acid	  	
Aprotinin	  	RESTRICTED
Aminocaproic acid	  	RESTRICTED

2.12 Lipid-regulating drugs		GMMMG	
Statins		NICE CG181	
Simvastatin	NICE   		
Atorvastatin	NICE   		1st line use
Rosuvastatin	NICE MMC   		RESTRICTED Not stocked
Pravastatin Sodium	NICE   		RESTRICTED MCSH for cases with potential drug interactions
Bile Acid Sequestrants			
Colestyramine <small>see also section 1.9.2</small>	  		
Colesevelam Hydrochloride Green <small>see also section 1.9.2</small>	MMC   		RESTRICTED adults. Gastro & Lipid Clinic Consultants only
Fibrates			
Bezafibrate	  		1st line use
Fenofibrate	  		2nd line use
Omega-3 fatty acid compounds			
Omega-3-acid ethyl esters	MMC   		2^{RY} prevention post MI.
Ezetimibe		NICE TA385	
Ezetimibe <small>10mg tablets</small>	NICE MMC   		RESTRICTED adults. Lipid Clinic Consultants only
Proprotein Convertase Subtilisin Kexin 9 (PCSK9) inhibitor		NICE TA393	
		NICE TA394	
Alirocumab (Praluent®)	PbR X NICE MMC   		RESTRICTED adults. Lipid Clinic Consultants in line with NICE TA393
Evolocumab (Repatha®)	PbR X NICE MMC   		RESTRICTED adults. Lipid Clinic Consultants for homozygous familial hypercholesterolemia / and use in line with NICE TA394

2.13 Local sclerosants

Local Sclerosants

Ethanolamine Oleate



Sodium Tetradecyl Sulfate



2.14 Miscellaneous preparations


Ajmaline (Gilurytmal®)

**RESTRICTED** adults. Cardiology
Consultant only

Regadenoson (Rapiscan®)

**RESTRICTED** adults. Myocardial
perfusion scans

Section 3: Respiratory System

Supported by the 
formulary ([click here](#))

3.1 Bronchodilators

- 3.1.1 Adrenoceptor Agonists
- 3.1.2 Antimuscarinic Bronchodilators
- 3.1.3 Theophylline
- 3.1.4 Compound Bronchodilator Preparations
- 3.1.5 Peak Flow Meters, Inhaler Devices & Nebulisers
 - Inhaler Devices
 - Nebuliser Diluent

3.2 Corticosteroids

- Compound preparations

3.3 Cromoglicate & related therapy & leukotriene receptor antagonists

- 3.3.1 Cromoglicate & Related Therapy
- 3.3.2 Leukotriene Receptor Antagonists
- 3.3.3 Phosphodiesterase type-4 inhibitors

3.4 Antihistamines, hyposensitisation & allergic emergencies

- 3.4.1 Antihistamines
- 3.4.2 Allergen Immunotherapy
- 3.4.3 Allergic Emergencies

3.5 Respiratory stimulants & pulmonary surfactants

- 3.5.1 Respiratory Stimulants
- 3.5.2 Pulmonary Surfactants

3.6 Oxygen (refer to oxygen guidelines)

3.7 Mucolytics

3.8 Aromatic inhalations

3.9 Cough preparations

- 3.9.1 Cough Suppressants
 - Cough Suppressants (**Palliative Care ONLY**)
- 3.9.2 Demulcent & expectorant cough preparations

3.10 Systemic Nasal Decongestants

3.11 Antifibrotics

Trust Guidelines


Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)








NICE Guidance





































Chronic Obstructive Pulmonary Disease update (CG101)
Idiopathic pulmonary fibrosis (CG163)
Inhaler devices for children under 5 (TA10)
Asthma (older children) - inhaler devices (TA38)
Asthma (in children) - corticosteroids (TA131)
Asthma (in adults) - corticosteroids (TA138)
Venom anaphylaxis - immunotherapy pharmlagen (TA246)
Asthma (severe, persistent, patients aged 6+, adults) - omalizumab (review of TA133, TA201) (TA278)
Omalizumab for previously treated chronic spontaneous urticaria (TA339)
Mepolizumab for treating severe refractory eosinophilic asthma (TA431)
Roflumilast for treating chronic obstructive pulmonary disease (replaces TA244) (TA461)
Reslizumab for treating severe eosinophilic asthma (TA479)
Pirfenidone for treating idiopathic pulmonary fibrosis (replaces TA282) (TA504)

GMMMG Formulary

Formulary Homepage
Chapter 3: Respiratory system (Complete)
GMMMG Adult [Red/Amber/Green](#) Drug List
GMMMG Paediatric [Red/Amber/Green](#) Drug List

3.1 Bronchodilators		GMMMG
3.1.1 Adrenoceptor agonists		
3.1.1.1 Selective beta₂ agonists		
Salbutamol	MMC   	
Terbutaline Sulfate	  	
Salmeterol	  	
Formoterol Fumarate	MMC   	Asthma BTS step 3 - add-on therapy
3.1.1.2 Other Adrenoceptor Agonists		
Ephedrine Hydrochloride	  	
3.1.2 Antimuscarinic Bronchodilators		
Ipratropium Bromide	  	1 st line use
Tiotropium	MMC   	2 nd line use COPD maintenance
Acidinium Bromide (<i>Eklira Genuair</i> ®)	MMC   	2 nd line use COPD maintenance
Glycopyrronium Bromide (<i>Seebri Breezhaler</i> ®)	MMC   	2 nd line use COPD maintenance
Compound Preparations		
Acidinium Bromide / Formoterol Fumarate Dihydrate (<i>Duaklir Genuair</i> ®)	MMC    	3 rd line use COPD maintenance
3.1.3 Theophylline		
Theophylline (prescribe by brand name)	  	1 st line use
Aminophylline (prescribe by brand name)	  	
3.1.4 Compound Bronchodilator Preparations		
Ipratropium Bromide / Salbutamol (<i>Combivent</i> ®)	  	
Indacaterol Maleate / Glycopyrronium Bromide (<i>Ultibro</i> ®)	MMC   	3 rd line use COPD maintenance
Tiotropium Bromide Monohydrate / Olodaterol Hydrochloride (<i>Spiolto Respimat</i> ®)	MMC   	3 rd line use COPD maintenance
Umeclidinium Bromide / Vilanterol Trifenatate (<i>Anoro Ellipta</i> ®)	MMC   	3 rd line use COPD maintenance
3.1.5 Peak Flow Meters, Inhaler Devices & Nebulisers		
		NICE TA10
		NICE TA38
		GMMMG asthma inhaler guide
		GMMMG asthma management
Inhaler Devices		
Volumatic® (spacer inhaler)	 	
Aerochamber® Plus (spacer device)	 	

<i>Able Spacer</i> ® (spacer device)	 MMC 	
<i>Haleraid</i> ® (inhalation aid)	 	
<i>Nebuliser Diluent</i>		
Sodium Chloride 0.9% nebuliser diluent	  	

3.2 Corticosteroids		GMMMG
		NICE TA131
Corticosteroids		NICE TA138
Beclometasone Dipropionate MDI (Clenil Modulite® 50, 100, 200, 250)	 MMC  	
Beclometasone Dipropionate CFC-free (prescribe by brand name) MDI (Qvar Easi-Breathe® or Qvar Autohaler® 50, 100)	 MMC  	
Budesonide DPI (Easyhaler®; Pulmicort® Turbohaler® 100, 200, 400) & 1mg/2mL nebuliser liquid	 MMC  	
Fluticasone Propionate MDI (Flixotide® Evohaler®) 50, 125, 250; DPI (Flixotide® Accuhaler® 50,100, 250, 500)	  	
Compound preparations		GMMMG COPD mgmt pathway
Budesonide / Formoterol fumarate DPI (Symbicort Turbohaler® 100/6, 200/6, 400/12); DPI (Duoresp Spiromax® 160/4.5, 320/9)	 MMC  	Asthma BTS step 3 management
Beclometasone Dipropionate / Formoterol fumarate MDI (Fostair®100/6, 200/6); DPI (Fostair NEXThaler® 100/6, 200/6)	 MMC  	Asthma BTS step 3 management
Fluticasone Furoate / Vilanterol Trifenatate DPI (Relvar Ellipta® 92/22 asthma or copd; 184/22 asthma)	 MMC  	Asthma BTS step 3 management
Fluticasone Propionate / Salmeterol MDI (Sirdupla® 125, 250)	 MMC  	Asthma BTS step 3 management
Fluticasone Propionate / Salmeterol MDI (Seretide® Evohaler® 50, 125, 250)	 MMC  	Asthma BTS step 3 management
Fluticasone Propionate / Formoterol Fumarate MDI (Flutiform® 50/5, 125/5, 250/10)	 MMC  	Asthma BTS step 3 management
Beclometasone Dipropionate / Formoterol Fumarate / Glycopyrronium Bromide MDI (Trimbow® 87/5/9 micrograms)	 MMC  	RESTRICTED - COPD patients who require triple therapy
Fluticasone Furoate / Vilanterol Trifenatate / Umeclidinium Bromide DPI (Trelegy Ellipta® 92/55/22 micrograms)	 MMC  	RESTRICTED - COPD patients who require triple therapy

3.3 Cromoglicate & related therapy & leukotriene receptor antagonists



3.3.1 Cromoglicate & Related Therapy

Sodium Cromoglicate



3.3.2 Leukotriene Receptor Antagonists

Montelukast



BTS step 2 or 3 in paediatrics

3.3.3 Phosphodiesterase type-4 inhibitors

Roflumilast



NICE TA461

RESTRICTED
as per NICE TA461

3.4 Antihistamines, hyposensitisation & allergic emergencies



3.4.1 Antihistamines

Non-sedating antihistamines

Cetirizine Hydrochloride



Loratadine



Desloratadine



RESTRICTED
children 1-2 years old

Sedating antihistamines

Chlorphenamine Maleate



Hydroxyzine Hydrochloride



Promethazine Hydrochloride



Alimemazine Tartrate



3.4.2 Allergen Immunotherapy

NICE TA246

NICE TA278

NICE TA339

NICE TA431

NICE TA479

Bee venom extract



RESTRICTED
Immunology Consultants only

Wasp venom extract



RESTRICTED
Immunology Consultants only

Grass & Rye or tree pollen extract (Pollinex®)



RESTRICTED
Immunology Consultants only

Omalizumab

Red



RESTRICTED
as per NICE

Mepolizumab



RESTRICTED
as per NICE TA431

Reslizumab



RESTRICTED
as per NICE TA479
NOT STOCKED

Grass Pollen extract (Grazax®)



RESTRICTED
Immunology Consultants only

3.4.3 Allergic Emergencies

Adrenaline / Epinephrine (prescribe by brand name)



C1 esterase inhibitor



RESTRICTED
acute attacks of HAE

Icatibant













RESTRICTED adults
acute attacks of HAE

Oxandrolone

U



RESTRICTED adults
acute attacks of HAE

3.5 Respiratory stimulants & pulmonary surfactants		
3.5.1 Respiratory Stimulants		
Doxapram Hydrochloride	  	
Caffeine Citrate	 MMC  	RESTRICTED apnoea in premature babies
3.5.2 Pulmonary Surfactants		
Poractant Alfa (Curosurf®)	   	

3.6 Oxygen (refer to oxygen guidelines)



3.7 Mucolytics



Mucolytics

Sodium Chloride (hypertonic)



Nebusal® 7%



Carbocisteine



RESTRICTED
COPD Consultant / referral only

Dornase Alfa

Amber



PbR X



RESTRICTED Respiratory only

Ivacaftor



PbR X



RESTRICTED
Paediatric Consultants only for
patients aged ≥ 6 years who have a
G551D mutation in the CFTR gene

3.8 Aromatic inhalations














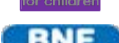




Aromatic Inhalations

Benzoin Tincture, Compound, BP (Friars' Balsam)



Menthol and Eucalyptus Inhalation



3.9 Cough preparations		
3.9.1 Cough Suppressants		
Codeine Phosphate	  	
Pholcodine	  	
Dextromethorphan hydrobromide	 MMC  	RESTRICTED non-ketotic hyperglycinaemia
Cough Suppressants (Palliative Care ONLY)		
Methadone Hydrochloride	  	
Morphine Hydrochloride	  	
3.9.2 Demulcent & expectorant cough preparations		
Simple Linctus	  	

3.10 Systemic nasal decongestants

Systemic Nasal Decongestants

Pseudoephedrine Hydrochloride



3.11 Antifibrotics




Antifibrotics

NICE TA504

Pirfenidone

**RESTRICTED Respiratory Consultants
only. Not stocked**

Section 4: Central Nervous System

Supported by the 
formulary ([click here](#))

4.1 Hypnotics & anxiolytics

- 4.1.1 Hypnotics
- 4.1.2 Anxiolytics
- 4.1.3 Barbiturates

4.2 Drugs used in psychoses & related disorders

- 4.2.1 Antipsychotic Drugs
- 4.2.2 Antipsychotic Depot Injections
- 4.2.3 Drugs used for mania and hypomania

4.3 Antidepressant drugs

- 4.3.1 Tricyclic & Related Antidepressant Drugs
- 4.3.2 Monoamine-Oxidase Inhibitors (MAOIs)
- 4.3.3 Selective Serotonin Re-uptake Inhibitors (SSRIs)
- 4.3.4 Other Antidepressant Drugs

4.4 CNS stimulants & drugs used for ADHD

4.5 Drugs used in the treatment of obesity

4.6 Drugs used in nausea & vertigo

4.7 Analgesics

- 4.7.1 Non-Opioid Analgesics
- 4.7.2 Opioid Analgesics
- 4.7.3 Neuropathic Pain
- 4.7.4 Antimigraine Drugs

4.8 Antiepileptic drugs

- 4.8.1 Control of the Epilepsies
- 4.8.2 Drugs Used in Status Epilepticus

4.9 Drugs used in Parkinsonism & related disorders

- 4.9.1 Dopaminergic Drugs Used in Parkinsonism
- 4.9.2 Antimuscarinic Drugs Used in Parkinsonism
- 4.9.3 Drugs Used in Essential Tremor, Chorea, Tics & Related Disorders

4.10 Drugs used in substance dependence

4.11 Drugs for dementia

Trust Guidelines

Adult medicines and prescribing guidelines
 Paediatric medicines and prescribing guidelines
 Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)



















































































NICE Guidance

Eating Disorders (CG9)
 Post-traumatic Stress Disorder (CG26)
 Depression in Children & Young People (CG28)
 Obsessive compulsive disorder (OCD) & body dysmorphic disorder (BDD) (CG31)
 Parkinson's Disease: Diagnosis & Management (CG35)
 Dementia (CG42)
 Management of Obesity (CG43) (replaces TA22, TA31 & TA46)
 Drug misuse: opioid detoxification (CG52)
 Attention deficit hyperactivity disorder (ADHD) (CG72)
 Management of Depression (CG90)
 Depression with a chronic physical health problem (CG91)
 Anxiety (CG113) (replaces CG22)
 Epilepsy (CG137)
 Neuropathic pain - pharmacological management (CG173)
 Psychosis and schizophrenia in adults (CG178)
 Bipolar disorder: the assessment and management in adults, children & young people in 1ry & 2ry care (CG185)
 Motor Neurone Disease: Riluzole (TA20)
 Guidance on the use of zaleplon, zolpidem & zopiclone for short-term management of insomnia (TA77)
 Attention Deficit / Hyperactivity Disorder (TA98)
 Drug Misuse: Methadone & Buprenorphine (TA114)
 Drug Misuse: Naltrexone (TA115)
 Smoking Cessation: Varenicline (TA123)
 Schizophrenia - aripiprazole (TA213)
 Alzheimer's disease - donepezil, galantamine, rivastigmine & memantine (TA217) (replaces TA111)
 Epilepsy (partial) - retigabine (adjuvant) (TA232)
 Bipolar disorder (children) - aripiprazole (TA292)
 Nalmefene for reducing alcohol consumption in people with alcohol dependence (TA325)
 Smoking cessation services (PH10) (replaces TA39)
 Vortioxetine for treating major depressive episodes (TA367)

GMMMG Formulary



Formulary Homepage
 Chapter 4: Central Nervous system (Complete)
 GMMMG Adult [Red/Amber/Green](#) Drug List
 GMMMG Paediatric [Red/Amber/Green](#) Drug List

4.1 Hypnotics & anxiolytics		GMMMG
4.1.1 Hypnotics		
Benzodiazepines		
Temazepam	 BNF emc +	
Nitrazepam	 BNF emc +	
Zaleplon, Zolpidem & Zopiclone		NICE TA77
Zopiclone	 BNF emc +	
Chloral & Derivatives		
Chloral Hydrate	 BNF emc +	
Clomethiazole 192mg capsules	 BNF emc +	
Sodium Oxybate		
Sodium Oxybate Red	PbR X MMC BNF emc +	RESTRICTED 2nd line treatment of narcolepsy with cataplexy
Melatonin		
Melatonin see below	 BNF emc +	RESTRICTED
Melatonin (licensed product first line) - Paedatric patients, e.g. sleep disorders, ADHD		Amber
Melatonin (licensed product only) - Adult patients over 55		Green
4.1.2 Anxiolytics		NICE CG113
Benzodiazepines		
Diazepam	 BNF emc +	
Lorazepam	 BNF emc +	
Oxazepam	 BNF emc +	
Busiprone		
Busiprone Hydrochloride	 BNF emc +	
Others		
Pregabalin Green	MMC BNF emc +	RESTRICTED generalised anxiety disorder after standard treatment following NICE has failed.
4.1.3 Barbiturates		
NO DRUGS ARE RECOMMENDED FROM THIS GROUP		 BNF emc +


















4.2 Drugs used in psychoses & related disorders				GMMMG	
4.2.1 Antipsychotic Drugs				NICE CG178	
Chlorpromazine Hydrochloride				  	
Haloperidol				  	
Levomepromazine				  	
Promazine Hydrochloride				  	
Sulpiride				  	
Trifluoperazine				  	
Zuclopenthixol				  	
Atypical Antipsychotic Drugs				NICE TA213	
				NICE TA292	
Risperidone				  	
Olanzapine				  	
Amisulpride				  	RESTRICTED adults. Consultant Psychiatrist only
Aripiprazole			 	  	RESTRICTED - Consultant Paediatric Psychiatrist only
Quetiapine				  	RESTRICTED - Consultant initiation - schizophrenia patients
Clozapine				  	
4.2.2 Antipsychotic Depot Injections					
Risperidone				  	RESTRICTED Consultant Psychiatrist only
Flupentixol Decanoate				  	RESTRICTED Consultant Psychiatrist only
Fluphenazine Decanoate				  	RESTRICTED Consultant Psychiatrist only
Haloperidol Decanoate				  	RESTRICTED Consultant Psychiatrist only
Zuclopenthixol Decanoate				  	RESTRICTED Consultant Psychiatrist only
4.2.3 Drugs used for mania and hypomania				NICE CG38	
Lithium Carbonate				  	Prescribe by brand name
Lithium Citrate				  	Prescribe by brand name

Valproic Acid



4.3 Antidepressant drugs		GMMMG	
		NICE CG28	
		NICE CG31	
4.3.1 Tricyclic & Related Antidepressant Drugs		NICE CG90	
Tricyclic antidepressants		NICE CG91	
Amitriptyline Hydrochloride		  	
standard release preparations only			
Clomipramine Hydrochloride		  	
standard release preparations only			
Doxepin Hydrochloride		  	
Imipramine Hydrochloride		  	
Lofepramine		  	1st line use
Nortriptyline		  	
Trimipramine		  	
Tricyclic-related antidepressants			
Mianserin Hydrochloride		  	RESTRICTED initiation by Psychiatrist
Trazodone Hydrochloride		  	RESTRICTED initiation by Psychiatrist
4.3.2 Monoamine-Oxidase Inhibitors (MAOIs)			
Isocarboxazid	Red	  	RESTRICTED initiation by Psychiatrist
Phenelzine	Red	  	RESTRICTED initiation by Psychiatrist
Tranlycypromine	Red	  	RESTRICTED initiation by Psychiatrist
10mg tablets			
Reversible Monoamine-Oxidase Inhibitors (MAOIs)			
Moclobemide	Green	  	RESTRICTED initiation by Psychiatrist 2 nd line
150mg; 300mg tablets			
4.3.3 Selective Serotonin Re-uptake Inhibitors (SSRIs)			
Fluoxetine		  	
Citalopram		  	
Sertraline		  	
Fluvoxamine maleate		  	
Paroxetine		  	
Escitalopram		  	RESTRICTED Mental Health Trust initiation only

4.3.4 Other Antidepressant Drugs			NICE TA367
Venlafaxine	Green	BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist
Mirtazapine		MMC BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist
Duloxetine		BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist
Flupentixol		BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist
Reboxetine		MMC BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist
Tryptophan 500mg tablets		BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist
Vortioxetine	Green	NICE MMC BNF for children BNF emc+	RESTRICTED initiation by Psychiatrist

4.4 CNS stimulants & drugs used for ADHD				GMMMG	
				NICE CG72	
4.4 CNS stimulants & drugs used for ADHD				NICE TA98	
Atomoxetine	Amber			 MMC  	RESTRICTED on Paediatric / Psychiatric advice
Dexamfetamine	Amber			  	RESTRICTED on Paediatric / Psychiatric advice
Lisdexamfetamine	Amber			 MMC   	RESTRICTED line use for ADHD ^{2nd}
Methylphenidate	Amber			 MMC  	RESTRICTED on Paediatric / Psychiatric advice
Modafinil	Amber	Narcolepsy	 Postural hypotension/sleep apnoea	  	RESTRICTED on Paediatric / Psychiatric advice

4.5 Drugs used in the treatment of obesity











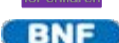


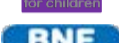



















































































4.5.1 Anti-Obesity Drugs Acting on the Gastro-Intestinal Tract



















NICE CG43









































Orlistat















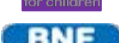







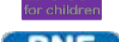

**RESTRICTED**
Consultant initiation - Paeds. only

4.6 Drugs used in nausea & vertigo		GMMMG
Antihistamines		
Cyclizine	  	1 st line use
Promethazine Hydrochloride see also section 3.4.1	  	
Promethazine Teoclate	  	
Phenothiazines & Related Drugs		
Prochlorperazine	  	
Droperidol	 MMC  	RESTRICTED Consultant initiation only for PONV
Domperidone & Metoclopramide		
Domperidone see also section 1.2	   	
Metoclopramide Hydrochloride see also section 1.2	  	
5HT₃ - receptor antagonists		
Ondansetron see below	  	RESTRICTED - Chemotherapy induced & post-op vomiting
Ondansetron - post operatively and following chemotherapy		
Ondansetron - for exceptional use in non-oncology patients with chronic emesis following consultant recommendation and where all other options have failed		
Hyoscine		
Hyoscine Hydrobromide for Hyoscine Butylbromide see section 1.2	  	
Other Drugs for Ménière's Disease		
Betahistine Dihydrochloride	  	

4.7 Analgesics		GMMMG	
4.7.1 Non-Opioid Analgesics		(see also Chapter 10 for NSAIDs)	
Paracetamol	MMC   	1 st line use	
Sucrose 24% solution (Sweet-Ease®)	MMC   	RESTRICTED Pain relief in neonates	
Compound Analgesic Preparations			
Co-Codamol	  		
Co-Dydramol	  		
4.7.2 Opioid Analgesics		NICE TA114	
Codeine Phosphate	  		
Tramadol Hydrochloride	  		
Dihydrocodeine Tartrate standard release preparations only	  		
Morphine Sulphate	  		
Diamorphine Hydrochloride	  		
Oxycodone Hydrochloride	MMC   	RESTRICTED 2 nd line for morphine intolerance	
Pethidine Hydrochloride	  		
Fentanyl NOT lozenge	MMC   	Spray RESTRICTED palliative care & haematology initiation (Wd44)	
Buprenorphine NOT patch	NICE   	RESTRICTED	
Methadone Hydrochloride	NICE   	RESTRICTED palliative care & substance misuse	
Tapentadol Hydrochloride MR	MMC   	RESTRICTED 3 rd line - Pain Team Consultants only	
4.7.3 Neuropathic Pain			
Amitriptyline	  		
Carbamazepine 	  		
Gabapentin 	  		
Pregabalin 	MMC   	3 rd / 4 th line use if gabapentin contraindicated or not tolerated	












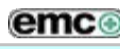
4.7.4 Antimigraine Drugs	
4.7.4.1 Treatment Of Acute Migraine	
Analgesics	
Aspirin	  
Paracetamol	  
Ibuprofen	  
5HT₁ - receptor agonists	
Sumatriptan	  
4.7.4.2 Prophylaxis of Migraine	
Clonidine Hydrochloride	  
Pizotifen	  

4.8 Antiepileptic drugs			Green		GMMMG	
					NICE CG137	
4.8.1 Control of the Epilepsies					NICE TA232	
Carbamazepine	Green	Amber		 BNF		
Phenobarbital	Green			 BNF		
Phenytoin Sodium	Green			 BNF		
Sodium Valproate	Green	Amber		 BNF		
Clobazam				 BNF		RESTRICTED Specialist use only
Clonazepam				 BNF		RESTRICTED Specialist use only
Ethosuximide	Green			 BNF		RESTRICTED Paediatrics only
Gabapentin	Green			 BNF		RESTRICTED Specialist use only
Lacosamide	Green		MMC	 BNF		RESTRICTED Specialist use only
Lamotrigine	Green			 BNF		RESTRICTED Specialist use only
Levetiracetam	Green		MMC	 BNF		RESTRICTED Specialist use only
Oxcarbazepine	Green			 BNF		RESTRICTED Specialist use only
Perampanel	Green		MMC	 BNF		RESTRICTED Specialist use only
Pregabalin	Green		MMC	 BNF		RESTRICTED Specialist use only
Primidone	Green			 BNF		RESTRICTED Specialist use only
Rufinamide	Red until stabilised then Green		MMC	 BNF		RESTRICTED Specialist use only Lennox-Gastaut Syndrome
Stiripentol	Red		MMC	 BNF		RESTRICTED Specialist use only
Topiramate	Green		MMC	 BNF		RESTRICTED Specialist use only
Vigabatrin	Red			 BNF		RESTRICTED Specialist use only
Zonisamide	Green		MMC	 BNF		RESTRICTED Specialist use only


4.8.2 Drugs Used in Status Epilepticus			
Lorazepam		  	
Diazepam		  	
Clonazepam		  	
Midazolam		  	
Paraldehyde		  	
Phenytoin Sodium		  	
Sulthiame (Ospolot®)		   	RESTRICTED Consultant Neurologist use only

4.9 Drugs used in Parkinsonism & related disorders			GMMMG
4.9.1 Dopaminergic Drugs Used in Parkinsonism			NICE CG35
Amantadine Hydrochloride	Green	BNF for children BNF emc+	RESTRICTED Specialist use only
Apomorphine Hydrochloride	Amber	BNF for children BNF emc+	RESTRICTED Specialist use only
Cabergoline	Green	MMC BNF for children BNF emc+	RESTRICTED Specialist use only
Co-beneldopa	Green	BNF for children BNF emc+	RESTRICTED Specialist use only
Co-careldopa	Green	PbR X BNF for children BNF emc+	RESTRICTED Specialist use only
Entacapone	Green	MMC BNF for children BNF emc+	RESTRICTED Specialist use only
Pramipexole	Green	MMC BNF for children BNF emc+	RESTRICTED Specialist use only - 3 rd line add-on use
Rasagiline	Green	MMC BNF for children BNF emc+	RESTRICTED patients with end of dose fluctuations
Ropinirole	Green	BNF for children BNF emc+	RESTRICTED Specialist use only
Rotigotine	Green	MMC BNF for children BNF emc+	RESTRICTED Specialist use only. NBM patients
Selegiline	Green	BNF for children BNF emc+	RESTRICTED Specialist use only
4.9.2 Antimuscarinic Drugs Used in Parkinsonism			
Orphenadrine Hydrochloride		BNF for children BNF emc+	
Procyclidine (Oral & IM)		BNF for children BNF emc+	
Trihexyphenidyl Hydrochloride (Benzhexol Hydrochloride)	Green	BNF for children BNF emc+	
4.9.3 Drugs Used in Essential Tremor, Chorea, Tics & Related Disorders			
Propranolol		BNF for children BNF emc+	
Haloperidol		BNF for children BNF emc+	RESTRICTED Specialist use only
Piracetam		BNF for children BNF emc+	RESTRICTED Specialist use only
Tetrabenazine		BNF for children BNF emc+	RESTRICTED Specialist use only
Torsion Dystonias & Other Involuntary Movements			
Botulinum Toxin Type A (Botox®)	Red	PbR X MMC BNF for children BNF emc+	RESTRICTED Specialist use only

4.10 Drugs used in substance dependence		GMMMG
4.10.1 Alcohol dependence		NICE TA325
Nalmefene	NICE MMC BNF for children emc+	RESTRICTED - Specialist use only in line with NICE TA325 NOT STOCKED
4.10.2 Nicotine dependence		NICE PH10 NICE TA123
Nicotine Replacement Therapy patches, lozenges, inhalator, microtabs	BNF for children BNF emc+	1st line use
Bupropion Hydrochloride	NICE BNF for children emc+	RESTRICTED - Specialist use only in line with NICE PH10
Varenicline	NICE MMC BNF for children emc+	RESTRICTED - Specialist use only in line with NICE TA123
4.10.3 Opioid Dependence		NICE CG52 NICE TA114 NICE TA115
Buprenorphine	NICE BNF for children emc+	RESTRICTED Initiation by substance misuse specialist
Methadone Hydrochloride	BNF for children BNF emc+	RESTRICTED Initiation by substance misuse specialist
Naltrexone Hydrochloride	Red NICE MMC BNF for children emc+	RESTRICTED Gastro Consultant only - cholestatic itch

4.11 Drugs for dementia		GMMMG	
		NICE CG42	
4.11 Drugs for Dementia		NICE TA217	
Donepezil Hydrochloride	Green	 MMC  	RESTRICTED Specialist use only
Galantamine	Green	  	RESTRICTED Specialist use only
Memantine Hydrochloride	Green	  	RESTRICTED Specialist use only
Rivastigmine	Green	 MMC  	RESTRICTED Specialist use only
Dementia - as per NICE TA217 & CG42 Green (following specialist initiation)		Green	

Section 5: Infections

Supported by the 
formulary ([click here](#))

5.1 Antibacterial drugs

- 5.1.1 Penicillins
- 5.1.2 Cephalosporins, Carbapenems & other Beta-Lactams
- 5.1.3 Tetracyclines
- 5.1.4 Aminoglycosides
- 5.1.5 Macrolides
- 5.1.6 Clindamycin
- 5.1.7 Some other Antibacterials
- 5.1.8 Sulphonamides & Trimethoprim
- 5.1.9 Antituberculosis Drugs
- 5.1.10 Antileprotic Drugs
- 5.1.11 Metronidazole & Tinidazole
- 5.1.12 Quinolones
- 5.1.13 Urinary-tract Infections

5.2 Antifungal drugs

- 5.2.1 Triazole Antifungals
- 5.2.3 Polyene Antifungals
- 5.2.4 Echinocandin Antifungals
- 5.2.5 Other Antifungals

5.3 Antiviral drugs

- 5.3.1 HIV Infection
- 5.3.2 Herpesvirus Infection
- 5.3.3 Viral Hepatitis
- 5.3.4 Influenza
- 5.3.5 Respiratory Syncytial Virus (RSV)

5.4 Antiprotozoal drugs

- 5.4.1 Antimalarials
- 5.4.2 Amoebicides
- 5.4.3 Trichomonacides
- 5.4.4 Antigiardial drugs
- 5.4.7 Drugs for toxoplasmosis
- 5.4.8 Drugs for pneumocystis pneumonia

5.5 Anthelmintics

- 5.5.1 Drugs for Threadworms (pinworms, *Enterobius vermicularis*)

Trust Guidelines

[Adult medicines and prescribing guidelines](#)
[Paediatric medicines and prescribing guidelines](#)
[Neonatal guidelines \(link to Staffnet site\)](#)
[Non-formulary Conversion Table](#)

NICE Guidance

[Prophylaxis against infective endocarditis \(CG64\)](#)
[Respiratory Tract Infections \(CG69\)](#)
[Surgical Site Infection \(CG74\)](#)
[Bacterial meningitis and meningococcal septicaemia \(CG102\)](#)
[Tuberculosis \(CG117\)](#)
[Infection: Prevention & control of healthcare-associated infections in primary & community care \(CG139\)](#)
[Hepatitis B \(Chronic\) \(CG165\)](#)
[Hepatitis C: Chronic \(TA75\) \(extended by TA106 - partially updated by TA200 & TA300\)](#)
[Hepatitis B: Chronic \(TA96\) \(partially updated by CG165\)](#)
[Hepatitis C: Peginterferon & Ribavirin \(TA106\) \(partially updated by TA200 & TA300\)](#)
[Hepatitis B: Entecavir \(TA153\)](#)
[Hepatitis B: Telbivudine \(TA154\)](#)
[Oseltamivir, Amantadine & Zanamivir for prophylaxis of Influenza \(TA158\)](#)
[Oseltamivir, Amantadine & Zanamivir for treatment of Influenza \(TA168\)](#)
[Hepatitis B: Tenofovir disoproxil \(TA173\)](#)
[Hepatitis C - peginterferon alfa and ribavirin \(TA200\) \(read in conjunction with TA75 & TA106\)](#)
[Hepatitis C \(genotype 1\) - telaprevir \(TA252\)](#)
[Hepatitis C \(genotype 1\) - boceprevir \(TA253\)](#)
[Cystic fibrosis \(pseudomonas lung infection\) - colistimethate sodium and tobramycin \(TA276\)](#)
[Hepatitis C \(children and young people\) - peginterferon alfa & ribavirin \(TA300\)](#)
[Sofosbuvir for treating chronic hepatitis C \(TA330\)](#)
[Simeprevir in combination with peginterferon alfa and ribavirin for treating genotypes 1 and 4 chronic hepatitis C \(TA331\)](#)
[Rifaximin for preventing episodes of overt hepatic encephalopathy \(TA337\)](#)
[Ledipasvir–sofosbuvir for treating chronic hepatitis C \(TA363\)](#)
[Daclatasvir for treating chronic hepatitis C \(TA364\)](#)
[Ombitasvir–paritaprevir–ritonavir with or without dasabuvir for treating chronic hepatitis C \(TA365\)](#)
[Elbasvir–grazoprevir for treating chronic hepatitis C \(TA413\)](#)
[Sofosbuvir–velpatasvir for treating chronic hepatitis C \(TA430\)](#)
[Glecaprevir–pibrentasvir for treating chronic hepatitis C \(TA499\)](#)
[Sofosbuvir-velpatasvir-voxilaprevir for treating chronic hepatitis C \(TA507\)](#)

GMMMG Formulary

[Formulary Homepage](#)
[Chapter 5: Infections \(Complete\)](#)
[GMMMG Adult Red/Amber/Green Drug List](#)
[GMMMG Paediatric Red/Amber/Green Drug List](#)

RESTRICTED USE ANTIBIOTICS

1. Must be recommended / approved for use by consultant medical microbiologist
2. The name of the microbiologist must be documented on the prescription chart. The indication must be documented.

3. Only available from Pharmacy

RESERVED USE ANTIBIOTICS

1. Can be used only in accordance with the restrictions outlined below.
2. Indication must be clearly documented on the prescription chart.
3. If being used outside of guidelines Microbiology approval must be sought as above.

UNRESTRICTED USE ANTIBIOTICS

1. Can be used according to CMFT Trust guidelines, (those drugs not marked Restricted or Reserved)

5.1 Antibacterial drugs**5.1.1 Penicillins****5.1.1.1 Benzylpenicillin & Phenoxymethylpenicillin**

Benzylpenicillin Sodium (Penicillin G)

600mg injection



Phenoxymethylpenicillin (Penicillin V)



Benzathine Benzylpenicillin

**RESTRICTED** unlicensed treatment for syphilis**5.1.1.2 Penicillinase-Resistant Penicillins**

Flucloxacillin



Temocillin

1g injection

**RESTRICTED** infection caused by multi-resistant coliforms. Micro only**5.1.1.3 Broad Spectrum Penicillins**

Amoxicillin



Co-amoxiclav

**5.1.1.4 Antipseudomonal Penicillins**

Piperacillin with Tazobactam

4.5g injection

**RESERVED** serious / resistant infections

Ticarcillin with Clavulanic Acid (Timentin®)

3.2g injection

**RESERVED** serious / resistant infections**5.1.1.5 Mecillinams**

Pivmecillinam Hydrochloride

200mg tablets

**RESTRICTED** UTIs caused by resistant coliforms**5.1.2 Cephalosporins, Carbapenems & other Beta-Lactams****5.1.2.1 Cephalosporins**

Cefalexin



Cefotaxime

**RESERVED** as per guidelines for children

Ceftriaxone






























































**RESERVED** as per guidelines for children























































Cefuroxime

**RESERVED** as per guidelines for children













Cefixime










































**RESERVED** GU infections only

Ceftazidime		 MMC  	RESERVED pseudomonas infection in CF patients
Ceftazidime / Avibactam (Zavicefta®)		 MMC  	RESTRICTED gram negative organisms. Micro. Consultant only
Ceftolozane sulfate / Tazobactam sodium (Zerbaxa®)		 MMC  	RESTRICTED gram negative organisms. Micro. Consultant only
Ceftaroline Fosamil		 MMC  	RESERVED for CAP & cSSTI treatment. Micro. Consultant only
Cefoxitin		 MMC  	RESERVED for treatment of mycobacterium abscessus in CF patients. Micro. Consultant only
5.1.2.2 Carbapenems			
Ertapenem		 MMC  	RESTRICTED Outpatient therapy only
Meropenem		 MMC  	RESERVED as per guidelines
Imipenem		 MMC  	RESTRICTED Non-Tuberculous Mycobacteria in Cystic Fibrosis
5.1.2.3 Other Beta-Lactam antibiotics			
Aztreonam		  	RESTRICTED gram negative organisms
Aztreonam lysine (Cayston®)	Red	 MMC  	RESTRICTED 3 rd line CF patients with chronic pulmonary infection
5.1.3 Tetracyclines			
Doxycycline		 MMC  	
Oxytetracycline		  	
Demeclocycline Hydrochloride		 MMC  	RESTRICTED - SIADH only
Lymecycline		 MMC  	RESTRICTED Non-Formulary MMC approved for GP referral
Minocycline		 MMC  	
Tigecycline		 MMC  	RESERVED as per guidelines
5.1.4 Aminoglycosides			
NICE TA276			
Amikacin	PbR X	 MMC  	RESERVED as per guidelines
Gentamicin	assay guidelines	  	
Tobramycin	Amber (nebulised) Red (new patients)	   	RESERVED as per guidelines
Neomycin Sulfate		  	RESTRICTED Gastro team only - op prep

5.1.5 Macrolides				
Clarithromycin			  	
Azithromycin			  	RESERVED GU only or specialist use
Erythromycin			  	RESERVED in pregnancy or neonates
5.1.6 Clindamycin				
Clindamycin			  	RESERVED as per guidelines
5.1.7 Some other Antibacterials				
Chloramphenicol			  	RESERVED as per guidelines
Fidaxomicin				
Fidaxomicin	Green		  	RESTRICTED <i>clostridium difficile</i> associated diarrhoea. Micro only
200mg tablets			MMC	
Fusidic Acid				
Sodium Fusidate	Green		  	RESERVED as per guidelines
Glycopeptides				
Vancomycin	Green		  	
assay guidelines			MMC	
Teicoplanin			  	RESERVED as per guidelines
Daptomycin				
Daptomycin	Red		  	RESTRICTED as per guidelines
			MMC	
Linezolid				
Linezolid	Red		  	RESTRICTED as per guidelines
			MMC	
Quinupristin with Dalfopristin				
Synercid®			  	RESTRICTED as per guidelines. Non-formulary
			MMC	
Polymyxins				
Colistimethate Sodium	Amber (nebulised for non-CF)	Red (new CF)	  	RESTRICTED as per guidelines
Rifaximin				
Rifaximin	Red		  	RESTRICTED as per guidelines
550mg tablets			NICE	MMC
Spectinomycin				
Spectinomycin (Kirin®)	U		  	RESTRICTED cephalosporin resistant gonorrhoea
			MMC	
5.1.8 Sulphonamides & Trimethoprim				
Trimethoprim	Green		  	
Co-trimoxazole			  	RESERVED as per guidelines
Sulfadiazine			  	RESTRICTED

5.1.9 Antituberculosis Drugs	Red	until patient stabilised then	Green		NICE CG117
Ethambutol Hydrochloride	Green			MMC BNF for children BNF emc	
Isoniazid	Green			BNF for children BNF emc	
Pyrazinamide	Green			BNF for children BNF emc	
Rifampicin	Green			BNF for children BNF emc	
Rifabutin	Green			BNF for children BNF emc	2 nd line - for use where rifampicin is not suitable
Rifater® Rifampicin / Isoniazid / Pyrazinamide	Green			BNF for children BNF emc	
Rifinah® Rifampicin / Isoniazid	Green			BNF for children BNF emc	
Voractiv® Rifampicin / Isoniazid / Pyrazinamide / Ethambutol Hydrochloride	Green			MMC BNF for children BNF emc	
Capreomycin				BNF for children BNF emc	RESTRICTED MDR TB only (not stocked)
Cycloserine				BNF for children BNF emc	RESTRICTED MDR TB only (not stocked)
Streptomycin	Red			BNF for children BNF emc	RESTRICTED MDR TB only (not stocked)
Moxifloxacin				MMC BNF for children BNF emc	RESTRICTED MDR TB only (not stocked)
Para aminosalicylic acid (PAS)				PbR X MMC BNF for children BNF emc	RESTRICTED MDR TB only (not stocked)
5.1.10 Antileprotic Drugs					
Dapsone				BNF for children BNF emc	RESERVED
5.1.11 Metronidazole & Tinidazole					
Metronidazole				BNF for children BNF emc	
Tinidazole				BNF for children BNF emc	RESTRICTED
5.1.12 Quinolones					
Ciprofloxacin				BNF for children BNF emc	RESERVED as per guidelines
Levofloxacin				MMC BNF for children BNF emc	RESTRICTED MDR TB only (not stocked)
Moxifloxacin				MMC BNF for children BNF emc	RESTRICTED MDR TB only
Nalidixic acid				BNF for children BNF emc	RESTRICTED Urology use in children only

Ofloxacin	  	RESTRICTED GU infections only
5.1.13 Urinary-tract Infections		
Nitrofurantoin	  	
Fosfomycin	 MMC  	RESTRICTED Micro recommendation only
Methenamine Hippurate	 MMC  	RESTRICTED Urology Consultants only as part of ALTAR trial

5.2 Antifungal drugs		GMMMG	
5.2.1 Triazole Antifungals			
Fluconazole		  	
Itraconazole		  	
Posaconazole		    	RESTRICTED micro use only
Voriconazole		    	RESTRICTED micro / specialist use only
5.2.3 Polyene Antifungals			
Nystatin		  	
Amphotericin (AmBisome® – for systemic use) (Fungizone® - topical ONLY)		   	RESTRICTED micro / specialist use only
5.2.4 Echinocandin Antifungals			
Micafungin		    	RESTRICTED micro / specialist use only
5.2.5 Other Antifungals			
Griseofulvin		   	2 nd line following topical therapy
Terbinafine		  	2 nd line following topical therapy
Flucytosine		  	RESTRICTED micro / Neonates only

5.3 Antiviral drugs



5.3.1 HIV Infection













































































Red













BHIVA treatment guidelines (2015)

Nucleoside Reverse Transcriptase Inhibitors (NRTIs)













NICE TA173

Abacavir	Red		PbR X	MMC	BNF for children	emc	
Emtricitabine	Red		PbR X	MMC	BNF for children	emc	
Lamivudine	Red		PbR X		BNF for children	emc	
Tenofovir Disoproxil	Red		NICE PbR X	MMC	BNF for children	emc	
Tenofovir Alafenamide Descovy® / Odefsey® / Genvoya®	Red		PbR X	MMC	BNF for children	emc	RESTRICTED to patients who require the new formulation NHSE
Tenofovir Disoproxil / Efavirenz / Emtricitabine Atripla®	Red		PbR X	MMC	BNF for children	emc	
Tenofovir / Cobicistat / Elvitegravir / Emtricitabine Stribild®	Red		PbR X	MMC	BNF for children	emc	NHSE
Tenofovir / Emtricitabine Truvada®	Red		PbR X	MMC	BNF for children	emc	
Emtricitabine / Rilpivirine / Tenofovir Eviplera®	Red		PbR X	MMC	BNF for children	emc	CHIVA PEP 2015
Zidovudine / Lamivudine Combivir®	Red		PbR X		BNF for children	emc	
Didanosine	Red		PbR X		BNF for children	emc	
Stavudine	Red		PbR X		BNF for children	emc	
Protease Inhibitors							BHIVA treatment guidelines (2015)
Atazanavir	Red		PbR X	MMC	BNF for children	emc	
Atazanavir / Cobicistat Evotaz®	Red		PbR X	MMC	BNF for children	emc	NHSE
Darunavir	Red		PbR X	MMC	BNF for children	emc	
Darunavir / Cobicistat Rezolsta®	Red		PbR X	MMC	BNF for children	emc	NHSE
Fosamprenavir	Red		PbR X	MMC	BNF for children	emc	
Lopinavir / Ritonavir Kaletra®	Red		PbR X		BNF for children	emc	
Ritonavir	Red		PbR X		BNF for children	emc	
Saquinavir	Red		PbR X		BNF for children	emc	

Tipranavir	Red		    	
Indinavir	Red		   	
Non-Nucleoside Reverse Transcriptase Inhibitors (Non-NRTIs)				BHIVA treatment guidelines (2015)
Efavirenz	Red		   	
Nevirapine	Red		    	
Etravirine	Red		    	
Rilpivirine	Red		    	
Other Antiretrovirals				BHIVA treatment guidelines (2015)
Maraviroc	Red		    	
Raltegravir	Red		    	CHIVA PEP 2015
Enfuvirtide	Red		    	
Dolutegravir	Red		    	NHSE
Pharmacokinetic enhancers of antiretrovirals				
Cobicistat			    	NHSE
5.3.2 Herpesvirus Infection				
5.3.2.1 Herpes Simplex & Varicella-Zoster Infection				
Aciclovir			  	
Valaciclovir			  	RESTRICTED Haematology / Renal Specialist use only
5.3.2.2 Cytomegalovirus (CMV) Infection				
Ganciclovir	Red		   	RESERVED Specialist use only
Valganciclovir	Red		   	RESERVED Specialist use only
Cidofovir	Red		   	RESERVED Specialist use only
Foscarnet Sodium			    	RESERVED Specialist use only; also for aggressive cytomegalovirus (CMV) retinitis

5.3.3 Viral Hepatitis		NICE CG165
5.3.3.1 Chronic hepatitis B		NICE TA96
		NICE TA153
		NICE TA154
		NICE TA173
Adefovir Dipivoxil	Red	     
Entecavir	Red	     

5.3.3.2 Chronic hepatitis C				NICE TA75
				NICE TA106
				NICE TA200
				NICE TA252
				NICE TA253
				NICE TA330
				NICE TA331
				NICE TA363
				NICE TA364
				NICE TA365
				NICE TA413
				NICE TA430
				NICE TA499
				NICE TA507
				NHSE Hepatitis C
Boceprevir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only
Daclatasvir dihydrochloride	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line NHS England Commissioning
Daklinza®				
Dasabuvir	Red	PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line NHS England Commissioning
Exviera®				
Elbasvir / Grazoprevir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line with NICE TA413
Zepatier®				
Glecaprevir / Pibrentasvir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line with NHSE and NICE TA499
Maviret®				
Ombitasvir / Paritaprevir / Ritonavir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line NHS England Commissioning
Viekirax®				
Simeprevir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line with NICE TA331
Sofosbuvir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line with NICE TA330
Sofosbuvir / Ledipasvir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line NHS England Commissioning
Harvoni®				
Sofosbuvir / Velpatasvir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line with NICE TA430
Epclusa®				
Sofosbuvir / Velpatasvir / Voxilaprevir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only in line with NICE TA507
Vosevi®				
Telaprevir	Red	NICE PbR X MMC BNF emc	BNF for children	RESTRICTED Specialist use only
5.3.4 Influenza				NICE TA158
				NICE TA168
				NICE TA200
				NICE TA300
Oseltamivir		NICE BNF emc	BNF for children	
Zanamivir		NICE BNF emc	BNF for children	

5.3.5 Respiratory Syncytial Virus (RSV)		
Palivizumab	    	RESTRICTED Specialist use only
Ribavirin	      	RESTRICTED Specialist use only

5.4 Antiprotozoal drugs		GMMMG
5.4.1 Antimalarials		
Artesunate	  	RESTRICTED Specialist use only
Artemether with Lumefantrine	MMC   	RESTRICTED Specialist use only
Chloroquine	  	RESTRICTED Specialist use only
Mefloquine	  	RESTRICTED Specialist use only
Primaquine	  	RESTRICTED Specialist use only
Proguanil Hydrochloride	  	RESTRICTED Specialist use only
Proguanil Hydrochloride / Atovaquone Malarone®	  	RESTRICTED Specialist use only
Pyrimethamine	MMC   	RESTRICTED Specialist use only
Pyrimethamine with Sulfadoxine	  	RESTRICTED Specialist use only
Quinine Dihydrochloride	  	RESTRICTED Specialist use only
Quinine Sulfate	  	RESTRICTED Specialist use only
5.4.2 Amoebicides		
Metronidazole	  	
Tinidazole	  	RESERVED Specialist use only
Diloxanide Furoate	  	RESTRICTED Non-formulary microbiology recommendation only
5.4.3 Trichomonacides		
Metronidazole	  	
5.4.4 Antigiardial drugs		
Metronidazole	  	
5.4.7 Drugs for toxoplasmosis		
Sulfadiazine	  	RESTRICTED - treatment of toxoplasmosis - micro only
5.4.8 Drugs for pneumocystis pneumonia		
Atovaquone	  	RESTRICTED Specialist use only
Pentamidine Isethionate	  	RESTRICTED Specialist use only

5.5 Anthelmintics




5.5.1 Drugs for Threadworms (pinworms, *Enterobius vermicularis*)

Mebendazole



Section 6: Endocrine System

Supported by the 
formulary ([click here](#))

6.1 Drugs used in diabetes

6.1.1 Insulins

6.1.1.1 Short-acting insulins

6.1.1.2 Intermediate & long-acting insulins

Biphasic insulins

6.1.2 Antidiabetic drugs

6.1.2.1 Sulphonylureas

6.1.2.2 Biguanides

6.1.2.3 Other antidiabetic drugs

6.1.4 Treatment of hypoglycaemia

6.2 Thyroid & antithyroid drugs

6.2.1 Thyroid hormones

6.2.2 Antithyroid drugs

6.3 Corticosteroids

6.3.1 Replacement therapy

6.3.2 Glucocorticoid therapy

6.4 Sex hormones

6.4.1 Female sex hormones and their modulators

6.4.1.1 Oestrogens & HRT

6.4.1.2 Progestogens and progesterone receptor modulators

6.4.2 Male sex hormones & antagonists

6.5 Hypothalamic and pituitary hormones & anti-oestrogens

6.5.1 Hypothalamic & anterior pituitary hormones & anti-oestrogens

6.5.2 Posterior pituitary hormones & antagonists

6.6 Drugs affecting bone metabolism

6.6.1 Calcitonin & parathyroid hormone

6.6.2 Bisphosphonates & other drugs affecting bone metabolism

6.7 Other endocrine drugs

6.7.1 Bromocriptine & other dopaminergic drugs

6.7.2 Drugs affecting gonadotrophins

6.7.3 Metyrapone

6.7.4 Somatomedins

Trust Guidelines

Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)
































































NICE Guidance



















Type 2 diabetes - footcare (CG10)
Type 1 diabetes - children and young people and adults (CG15)
Heavy Menstrual Bleeding - investigation & treatment (CG44)
Diabetes in Pregnancy (CG63)
Diabetes: Type 2 (CG66) (partially updated by CG87)
Type 2 Diabetes - newer agents (CG87) (partial update of CG66)
Human growth hormone - adults (TA64)
Diabetes (type 1) - insulin pump therapy (TA151)
Osteoporosis - Primary Prevention (TA160)
Osteoporosis - Secondary Prevention (TA161)
Human growth hormone (somatropin) for the treatment of growth failure in children (review) (TA188) (replacing TA42)
Osteoporotic Fractures - denosumab (TA204)
Diabetes (type 2) - exenatide (prolonged release) (TA248)
Bone metastases from solid tumours - denosumab (TA265)
Type 2 diabetes - Dapagliflozin combination therapy (TA288)
Diabetes (type 2) - canagliflozin (TA315)
Tolvaptan for treating autosomal dominant polycystic kidney disease (TA358)
Canagliflozin, dapagliflozin and empagliflozin as monotherapies for treating type 2 diabetes (TA390)
Dapagliflozin in triple therapy for treating type 2 diabetes (TA418)
Bisphosphonates for treating osteoporosis (TA464)

GMMM Formulary

Formulary Homepage
Chapter 6: Endocrine system (Complete)
GMMM Adult [Red](#)/[Amber](#)/[Green](#) Drug List
GMMM Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

6.1 Drugs used in diabetes		GMMMG
		NICE CG10
6.1.1 Insulins		NICE CG15
Insulins must ONLY be initiated by practitioners experienced in their use		NICE CG63
Insulins must be prescribed by BRAND NAME		NICE CG66
6.1.1.1 Short-acting insulins		NICE CG87
Human		NICE TA151
Actrapid® Insulin	  	
Apidra® (Insulin Glulisine)	  	
Humalog® (Insulin Lispro)	  	
Humulin S® Insulin	  	
NovoRapid® (Insulin Aspart)	 MMC  	
Animal		
Hypurin® Bovine Neutral Insulin	  	
Hypurin® Porcine Neutral Insulin	  	
6.1.1.2 Intermediate & long-acting insulins		
Human		
Humulin I® Insulin	  	
Insulatard® Insulin	  	
Animal		
Hypurin® Bovine Isophane Insulin	  	
Hypurin® Porcine Isophane Insulin	  	
Long-acting insulins		
Human		
Levemir® (Insulin Detemir)	 MMC  	
Lantus® (Insulin Glargine)	 MMC  	2 nd line use in patients where normal basal insulins cause nocturnal hypoglycaemia
Abasaglar® (Insulin Glargine)	 MMC  	
Toujeo® (Insulin Glargine)	 MMC  	
Tresiba® (Insulin Degludec)	 MMC  	RESTRICTED Diabetes Consultant only - 3rd line after Levemir & Lantus
Animal		
Hypurin® Bovine Lente Insulin	  	

Biphasic insulins				
Human				
Humalog® Mix 25 Insulin		  		
Humalog® Mix 50 Insulin		  		
Humulin M3® Insulin		  		
Insuman® Comb 25 Insulin		  		
NovoMix® 30 Insulin		  	MMC	
Animal				
Hypurin® Porcine 30/70 Mix Insulin		  		
6.1.2 Antidiabetic drugs				
6.1.2.1 Sulphonylureas				
Gliclazide		  		
Glipizide		  		RESTRICTED Not for initiation
6.1.2.2 Biguanides				
Metformin Hydrochloride		  	MMC	
6.1.2.3 Other antidiabetic drugs				
				NICE CG87
				NICE TA203
				NICE TA248
				NICE TA288
				NICE TA315
				NICE TA336
				NICE TA390
				NICE TA418
Acarbose		  		
Exenatide		    		2nd line patients with poor glycaemic control (HbA1c>8.0%) where glitazone therapy is contraindicated / not tolerated
Bydureon® (Exenatide once weekly)		   		3rd line after failure / inadequate response to oral therapy
Dapagliflozin		    		RESTRICTED - Diabetes Consultants only in line with NICE TA288 & TA418
Canagliflozin		    		RESTRICTED - Diabetes Consultants only in line with TA315
Empagliflozin		    		RESTRICTED - Diabetes Consultants only in line with TA336
Liraglutide		    		2nd line to achieve glycaemic control combination with metformin or a sulphonylurea

Dulaglutide	Green	MMC	 BNF		RESTRICTED - Diabetes Consultants only - 1st line weekly preparation
Lixisenatide	Green	MMC	 BNF		RESTRICTED - Diabetes Consultants only - 3rd line as recommended by GMMMG & NICE
Pioglitazone		MMC	 BNF		2nd line add-on with metformin or a sulphonylurea
Saxagliptin	Green	MMC	 BNF		2nd line to improve glycaemic control in adults with metformin
Sitagliptin	Green	MMC	 BNF		
Linagliptin	Green	MMC	 BNF		
Alogliptin	Green	MMC	 BNF		
6.1.4 Treatment of hypoglycaemia					
Glucagon			 BNF		
Glucose gel			 BNF		

6.2 Thyroid & antithyroid drugs



6.2.1 Thyroid hormones

Levothyroxine Sodium



Liothyronine Sodium



2nd line use (I.V. RESTRICTED to hypothyroid coma)

6.2.2 Antithyroid drugs

Carbimazole



Iodine (Aqueous Iodine Oral (Lugol's) Solution)


















































Potassium Iodide
















Propylthiouracil

Green


6.3 Corticosteroids		GMMMG
6.3.1 Replacement therapy		
Fludrocortisone	  	
6.3.2 Glucocorticoid therapy		
Prednisolone	  	
Dexamethasone	  	
Hydrocortisone	  	
Hydrocortisone M/R 5mg tablets	   	RESTRICTED 2 nd line use in adrenal insufficiency
Betamethasone	  	RESTRICTED Specialist use only
Methylprednisolone	  	
Triamcinolone see also section 10.1.2.2	  	RESTRICTED Specialist use only

6.4 Sex hormones		GMMMG
6.4.1 Female sex hormones and their modulators		
6.4.1.1 Oestrogens & HRT		
Conjugated oestrogens with progestogen		
Premique®	BNF 	2 nd line use oral (continuous combined HRT)
Estradiol with Progestogen		
Elleste-Duet®	BNF 	1 st line use oral (sequential HRT)
Femoston®	BNF 	2 nd line use oral (sequential HRT)
Kliovance®	MMC BNF 	1 st line use oral (continuous combined HRT)
Evorel Conti®	BNF 	RESTRICTED (Continuous combined HRT) when oral contraindicated.
Estradiol only		
Climaval®	BNF 	
Elleste Solo®	BNF 	1 st line use oral (oestrogen only HRT)
Estradot®	BNF 	RESTRICTED (Oestrogen only HRT) when oral contraindicated.
Ethinylestradiol, raloxifene & tibolone		
Ethinylestradiol	MMC  BNF 	2 microgram tablets (unlicensed) for amenorrhoea
Raloxifene Hydrochloride	MMC  BNF 	RESTRICTED Specialist Med. Consultant only
Tibolone	 BNF 	3 rd line use oral (continuous combined HRT)
6.4.1.2 Progestogens and progesterone receptor modulators		
Medroxyprogesterone Acetate	 BNF 	
Norethisterone	 BNF 	
Progesterone Red (suppositories in IVF)	BNF 	
Dydrogesterone	BNF 	
Ulipristal Acetate (Esmya®)	MMC  BNF 	RESTRICTED Specialist use only
5mg tablets		EMA

6.4.2 Male sex hormones & antagonists			
Testosterone & Esters			
Oral			
Testosterone		  	RESTRICTED Specialist use only
injection & implants only			
Transdermal preparations			
Testosterone (Tostran®)		  	RESTRICTED Specialist use only
Anti-androgens			
Cyproterone Acetate		  	RESTRICTED Specialist use only
Finasteride		 	RESTRICTED Specialist use only 

6.5 Hypothalamic & pituitary hormones & anti-oestrogens



6.5.1 Hypothalamic & anterior pituitary hormones & anti-oestrogens

Anti-oestrogens

Clomifene Citrate

Red

BNF emc

Anterior pituitary hormones (Corticotrophins)

Tetracosactide

BNF for children
BNF emcRESTRICTED diagnostic test for
adrenocortical insufficiency

Corticotropin releasing hormone

BNF for children
BNF emc

RESTRICTED Specialist use only

Anterior pituitary hormones (Gonadotrophins)

Human Chorionic Gonadotrophin (hCG)

Red

BNF for children
MMC BNF emc

RESTRICTED Specialist use only

Recombinant human follicle stimulating hormone (r-hFSH)

MMC BNF emc

RESTRICTED Specialist use only

Anterior pituitary hormones (Growth Hormone)

NICE TA64

NICE TA188

Somatropin

see below

PbR X

NICE

BNF for children
BNF emc

RESTRICTED as per NICE

Growth hormone for children

Amber

Growth hormone for primary and secondary hypo-pituitarism

Amber

Growth hormone for adults except in proven primary and secondary hypopituitarism

Red

Anterior pituitary hormones (Growth Hormone receptor antagonists)

Pegvisomant

Amber

PbR X

MMC BNF emc

RESTRICTED acromegaly, named
patient basis

NOT STOCKED

Hypothalamic hormones

Gonadorelin (GnRH; LHRH)

BNF for children
BNF emc

RESTRICTED Specialist use only

Protirelin (TRH)

BNF emc

RESTRICTED Specialist use only

6.5.2 Posterior pituitary hormones & antagonists

NICE TA358

Desmopressin

BNF for children
MMC BNF emcRESTRICTED Haematology
Consultants only

Terlipressin Acetate

BNF for children
BNF emcRESTRICTED adjunct in bleeding
oesophageal varices

Tolvaptan

Red

PbR X

NICE

MMC BNF emc

RESTRICTED Adult. Endocrinology /
Renal Consultant only

Vasopressin

BNF for children
BNF emcRESTRICTED pituitary diabetes
insipidus





































Antidiuretic hormone antagonists

Demeclocycline Hydrochloride

BNF for children
MMC BNF emc


RESTRICTED SIADH only

see also section 5.1.3

6.6 Drugs affecting bone metabolism		GMMMG	
		NICE TA160	
		NICE TA161	
		NICE TA204	
		NICE TA265	
6.6.1 Calcitonin & parathyroid hormone			
Calcitonin (Salmon) / Salcatonin (Miacalcic®)		   	RESTRICTED osteoporosis patients with acute fracture pain.
Parathyroid hormone (Preatact®)	PbR X	  	RESTRICTED postmenopausal osteoporosis if failure or non-compliance with bisphosphonates
Teriparatide (Forsteo®)	PbR X	  	RESTRICTED option for 2 ^{RY} prevention of osteoporotic fragility fractures in postmenopausal women as per NICE TA161 Paeds. see decision tables
6.6.2 Bisphosphonates & other drugs affecting bone metabolism		NICE TA464	
Alendronic Acid		    	1 st line use
Risedronate Sodium		    	2 nd line Osteoporosis & Paget's disease
Strontium Ranelate		  	3 rd line osteoporosis patients unable to take bisphosphonates
Ibandronic Acid	Amber	   	RESTRICTED monthly treatment when daily/weekly dosing contraindicated; NICE TA464
Denosumab	Amber or Red oncology	   	RESTRICTED specialist initiation osteoporosis 
Zoledronic Acid		   	RESTRICTED see decision tables; also NICE TA464

6.7 Other endocrine drugs		GMMMG	
6.7.1 Bromocriptine & other dopaminergic drugs			
Bromocriptine	Green		
1mg; 2.5mg tablets		BNF emc	
Cabergoline	Green		RESTRICTED Hyperprolactinaemia
500 microgram tablets		BNF emc	
6.7.2 Drugs affecting gonadotrophins			
Danazol		BNF emc	
Buserelin	Red		RESTRICTED IVF
see also section 8.3.4.2		MMC BNF emc	
Buserelin Acetate	Red		RESTRICTED adult haemato-oncology patients
Suprecur® nasal spray		MMC BNF emc	
Goserelin		BNF for children BNF emc	
see below (also section 8.3.4.2)			
Leuprorelin Acetate		BNF for children BNF emc	
see below (also section 8.3.4.2)			
Triptorelin		BNF for children BNF emc	RESTRICTED
see below (also section 8.3.4.2)			
Cetrorelix acetate			RESTRICTED IVF
		MMC BNF emc	
Ganirelix			RESTRICTED IVF
		MMC BNF emc	
Goserelin/Leuprorelin - Licensed Indications (Pre-op management prior to endometrial ablation/fibroid surgery)			Amber
Goserelin/Leuprorelin/Triptorelin - Licensed Indications (Prostate cancer for all and breast cancer for Goserelin)			Amber
Goserelin/Leuprorelin/Triptorelin - Precocious puberty and for testosterone castration in sex offenders (unlicensed in goserelin and leuprorelin)			Red
Goserelin/Leuprorelin/Triptorelin - For all other unlicensed indications (including long term use > 6 months)			Red
6.7.3 Metyrapone			
Metyrapone	Red		RESTRICTED Specialist use only
		BNF for children BNF emc	
6.7.4 Somatomedins			
Mecasermin			RESTRICTED Specialist use only
	PbR X	BNF for children BNF emc	

Section 7: Obstetrics, gynaecology & urinary tract disorders

Supported by the  formulary ([click here](#))

7.1 Drugs used in Obstetrics

7.1.1 Prostaglandins & oxytocics

7.1.1.1 Ductus arteriosus

7.1.2 Mifepristone

7.1.3 Myometrial relaxants

7.2 Treatment of vaginal & vulval conditions

7.2.1 Preparations for vaginal & vulval changes

7.2.2 Vaginal & vulval infections

7.3 Contraceptives

7.3.1 Combined hormonal contraceptives

Ethinylestradiol with Levonorgestrel

Ethinylestradiol with Norethisterone

Ethinylestradiol with Norgestimate

Ethinylestradiol with Desogestrel

Ethinylestradiol with Gestodene

Mestranol with Norethisterone

7.3.2 Progestogen-only contraceptives

7.3.2.1 Oral progestogen-only contraceptives

7.3.2.2 Parenteral progestogen-only contraceptives

7.3.2.3 Intra-uterine progestogen-only device

7.3.5 Emergency contraception

7.4 Drugs for genito-urinary disorders

7.4.1 Drugs for urinary retention

7.4.2 Drugs for urinary, enuresis & incontinence

7.4.3 Drugs used in urological pain

7.4.4 Bladder instillations & urological surgery

7.4.5 Drugs for erectile dysfunction

7.4.6 Drugs for premature ejaculation

Trust Guidelines




























Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)























NICE Guidance























































Long-acting reversible contraception (CG30)
Heavy Menstrual Bleeding - investigation & treatment (CG44)
Antenatal and postnatal mental health (CG45)
Intrapartum care (CG55)
Antenatal care (CG62)
Induction of labour (CG70)
Lower urinary tract symptoms (CG97)
Nocturnal enuresis - the management of bedwetting in children and young people (CG111)
Caesarian Section (CG132)
Urinary incontinence in women (CG171)
Overactive bladder - mirabegron (TA290)
















GMMM Formulary

Formulary Homepage
Chapter 7: Obstetrics, gynaecology & urinary tract disorders (Complete)
GMMM Adult [Red](#)/[Amber](#)/[Green](#) Drug List
GMMM Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

7.1 Drugs used in Obstetrics		
7.1.1 Prostaglandins & oxytocics		NICE CG70
Carboprost	 	
Ergometrine Maleate	 	
Gemeprost	 	
Oxytocin	 	
Dinoprostone	 MMC  	RESTRICTED Obs & Gynae Consultants only
7.1.1.1 Drugs affecting the ductus arteriosus		(see BNFC section 2.14)
Maintenance of patency		
Alprostadil	  	
Closure of the ductus arteriosus		
Indometacin	  	
7.1.2 Mifepristone		
Mifepristone	 	
7.1.3 Myometrial relaxants		
Atosiban		
Atosiban	MMC  	RESTRICTED Obs & Gynae Consultants only
Beta₂ agonists		
Salbutamol injection see also section 3.1.1.1	  	
Terbutaline Sulfate injection see also section 3.1.1.1	  	

7.2 Treatment of vaginal & vulval conditions		GMMMG
7.2.1 Preparations for vaginal & vulval changes		
Oestrogens, topical		
Estradiol (Vagifem®)	 	
10 microgram pessaries		
Estriol (Gynest®)	 	
0.01% cream		
Estradiol vaginal ring (Estring®)	 	RESTRICTED Obs & Gynae Consultants only
7.5 microgram / 24 hours ring		
7.2.2 Vaginal & vulval infections		
Preparations for vaginal & vulval candidiasis		
Clotrimazole	  	
Miconazole	  	
Preparations for other vaginal infections		
Clindamycin	  	
2% vaginal cream		
Nystatin	  	
Metronidazole (Zidoval®)	   	RESTRICTED Obs & Gynae Consultants only
0.75% vaginal gel		

7.3 Contraceptives		GMMMG
7.3.1 Combined hormonal contraceptives		NICE CG30
<i>Ethinylestradiol with Levonorgestrel</i>		NICE CG44
TriRegol®	  	
Microgynon 30®	  	
Ovranette®	  	
<i>Ethinylestradiol with Norethisterone</i>		
Loestrin 20®	  	
Loestrin 30®	  	
Ovysmen®	  	
Norimin®	  	
TriNovum®	  	
<i>Ethinylestradiol with Norgestimate</i>		
Cilest®	  	
<i>Ethinylestradiol with Desogestrel</i>		
Munalea®	  	2 nd line due to increased risk of VTE
Mercilon®	  	2 nd line due to increased risk of VTE
<i>Ethinylestradiol with Gestodene</i>		
Femodene®	  	2 nd line due to increased risk of VTE
Aidulan 20/75 microgram	  	2 nd line due to increased risk of VTE
<i>Mestranol with Norethisterone</i>		
Norinyl-1®	  	2 nd line due to increased risk of VTE
7.3.2 Progestogen-only contraceptives		
7.3.2.1 Oral progestogen-only contraceptives		
Desogestrel (Cerazette®)	  	
Levonorgestrel (Norgeston®)	  	
Norethisterone (Micronor®)	  	
Norethisterone (Noriday®)	  	

7.3.2.2 Parenteral progestogen-only contraceptives		
Injectable preparations		
Medroxyprogesterone Acetate (Depo-Provera®) 150mg/mL injection	  	
Implants		
Etonogestrel (Nexplanon®) 68mg subdermal implant	 MMC  	2nd line in patients with heart disease & in women who've undergone a termination and who comply poorly with oral meds
7.3.2.3 Intra-uterine progestogen-only device		
Levonorgestrel (Mirena®) 20micrograms/24 hours IUD	  	
7.3.5 Emergency contraception		
Levonorgestrel (Levonelle® 1500)	  	
Ulipristal Acetate (ellaOne®)	 MMC  	RESTRICTED emergency contraception (SARC)

7.4 Drugs for genito-urinary disorders		GMMMG
7.4.1 Drugs for urinary retention		NICE CG97
Alpha blockers		NICE CG111
		NICE CG171
Alfuzosin Hydrochloride	BNF emc	
Tamsulosin Hydrochloride	BNF for children MMC BNF emc	
7.4.2 Drugs for urinary, enuresis & incontinence		NICE CG171
Urinary incontinence		NICE TA290
Oxybutynin Hydrochloride	NICE MMC BNF emc BNF for children	1 st line in OAB
Darifenacin Hydrobromide	NICE MMC BNF emc	1 st line in OAB
Tolterodine Tartrate	NICE MMC BNF emc BNF for children	1 st line in OAB
Solifenacin Succinate	MMC BNF emc	2 nd line in OAB patients failed / intolerant to oxybutynin
Duloxetine	MMC BNF emc	
Tropium Chloride	MMC BNF emc	RESTRICTED 1 ^{RY} Care referral only
Mirabegron	NICE MMC BNF emc	RESTRICTED in line with TA290 / Paeds 3 rd line use MHRA
Nocturnal enuresis		NICE CG97
Amitriptyline <small>see also section 4.3.1</small>	BNF for children BNF emc	
Desmopressin <small>see also section 6.5.2</small>	MMC BNF emc BNF for children	RESTRICTED Haematology Consultants only
7.4.3 Drugs used in urological pain		
Potassium Citrate	BNF for children BNF emc	
7.4.4 Bladder instillations & urological surgery		
Chlorhexidine <small>0.02% irrigation solution</small>	BNF for children BNF emc	
Dimethyl Sulfoxide U	BNF emc	
Glycine irrigation solution	BNF emc	
Sodium Chloride <small>0.9% irrigation solution</small>	BNF for children BNF emc	
Sodium Citrate <small>3% irrigation solution</small>	BNF for children BNF emc	
Sodium Hyaluronate (Cystistat®)	MMC BNF PDF	RESTRICTED Urology Consultants only

7.4.5 Drugs for erectile dysfunction

Alprostadil

BNF
for children

MMC BNF emc

RESTRICTED
Urology Consultants only

Sildenafil

Green

Red

PAH

BNF
for children

PbR X MMC BNF emc

RESTRICTED
1^{RY} Care referral only

Tadalafil

Red

PbR X MMC BNF emc

RESTRICTED
1^{RY} Care referral only

Vardenafil

Red

MMC BNF emc

RESTRICTED
1^{RY} Care referral only**7.4.6 Drugs for premature ejaculation****Not stocked**

Section 8: Malignant disease & immunosuppression

Supported by the  formulary ([click here](#))

8.1 Cytotoxic drugs

- 8.1.1 Alkylating drugs
- 8.1.2 Anthracyclines & other cytotoxic antibiotics
- 8.1.3 Antimetabolites
- 8.1.4 Vinca alkaloids & etoposide
- 8.1.5 Other antineoplastic drugs

8.2 Drugs affecting the immune response

- 8.2.1 Antiproliferative immunosuppressants
- 8.2.2 Corticosteroids & other immunosuppressants
- 8.2.3 Anti-lymphocyte monoclonal antibodies
- 8.2.4 Other immunomodulating drugs

8.3 Sex hormones & hormone antagonists in malignant disease

- 8.3.1 Oestrogens
- 8.3.2 Progestogens
- 8.3.3 Androgens
- 8.3.4 Hormone Antagonists
 - 8.3.4.1 Breast Cancer
 - 8.3.4.2 Gonadorelin analogues & gonadotrophin-releasing hormone antagonists
 - 8.3.4.3 Somatostatin analogues

8.4 Miscellaneous preparations

Trust Guidelines

Adult medicines and prescribing guidelines
 Paediatric medicines and prescribing guidelines
 Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)

NICE Guidance






















































Early and locally advanced breast cancer (CG80)
 Advanced breast cancer (CG81)
 Lung Cancer (CG121)
 Colorectal cancer (CG131)
 Familial breast cancer (CG164)
 Hepatitis B (chronic) (CG165)
 Prostate Cancer (CG175)
 Temozolomide for malignant glioma (TA23)
 Gemcitabine for Pancreatic Cancer (TA25)
 Leukaemia (lymphocytic) - fludarabine (TA29)
 Multiple sclerosis - beta-interferon and glatiramer acetate (TA32)
 Trastuzumab for advanced breast cancer (TA34)
 Paclitaxel for ovarian cancer (TA55)
 Capecitabine and Tegafur Uracil for Colorectal Cancer (TA61)
 Imatinib for chronic myeloid leukaemia (TA70) (partially updated by TA425 & TA426)
 Hepatitis C: Chronic (TA75) (extended by TA106 - partially updated by TA200 & TA300)
 Gastrointestinal stromal tumours - imatinib (TA86) (partially updated by TA209)
 Hepatitis B: Chronic (TA96) (partially updated by CG165)
 Colon cancer (adjuvant) - capecitabine and oxaliplatin (TA100)
 Docetaxel for prostate cancer (hormone-refractory) (TA101)
 Hepatitis C: Peginterferon & Ribavirin (TA106) (partially updated by TA200 & TA300)
 Trastuzumab for early breast cancer (TA107)
 Paclitaxel for early breast cancer (TA108)
 Docetaxel for early breast cancer (TA109)
 Breast cancer (early) - hormonal treatments (TA112)
 Gemcitabine for Breast Cancer (TA116)
 Bevacizumab & Cetuximab in metastatic colorectal cancer (TA118) (partially updated by TA242)
 Leukaemia (lymphocytic) - fludarabine (TA119)
 Carmustine implants and temozolomide for glioma (newly diagnosed & high grade) (TA121)
 Pemetrexed for lung cancer (non small cell) (TA124)
 Multiple sclerosis - natalizumab (TA127)
 Bortezomib for relapsed multiple myeloma (TA129)
 Pemetrexed for mesothelioma (TA135)
 Rituximab for follicular non-Hodgkin's lymphoma (TA137)
 Head and neck cancer - cetuximab (TA145)
 Renal cell carcinoma - sunitinib (TA169)
 Lenalidomide - multiple myeloma (TA171)
 Rituximab for the first-line treatment of chronic lymphocytic leukaemia (TA174)
 Cetuximab for the first-line treatment of metastatic colorectal cancer (TA176)
 Renal Cell Carcinoma (TA178)
 Sunitinib for gastrointestinal stromal tumours (TA179)
 Pemetrexed for lung cancer (non-small cell) - first line treatment (TA181)
 Cervical cancer (recurrent) - topotecan (TA183)
 Lung cancer (small cell) - topotecan (TA184)
 Soft tissue sarcoma - trabectedin (TA185)
 Lung cancer (non-small-cell) - pemetrexed (maintenance) (TA190)
 Gastric cancer (advanced) - capecitabine (TA191)
 Lung cancer (non-small-cell, first line) - gefitinib (TA192)
 Leukaemia (chronic lymphocytic, relapsed) - rituximab (TA193)
 Gastrointestinal stromal tumours - imatinib (adjuvant) (TA196)
 Hepatitis C - peginterferon alfa and ribavirin (TA200) (read in conjunction with TA75 & TA106)
 Chronic lymphocytic leukaemia - ofatumumab (TA202)
 Gastric cancer (HER2-positive metastatic) - trastuzumab (TA208)
 Gastrointestinal stromal tumours (unresectable/metastatic) - imatinib (TA209) (part review of TA86)
 Colorectal cancer (metastatic) - bevacizumab (TA212)
 Breast cancer - bevacizumab (in combination with a taxane) (TA214) (replaces TA147)
 Renal cell carcinoma (1st line metastatic) - pazopanib (TA215)
 Myelodysplastic syndrome - azacitidine (TA218)
 Everolimus for the 2nd line treatment of advanced renal cell carcinoma (TA219)
 Ovarian cancer (relapsed) - trabectedin (TA222)
 Lymphoma (follicular non-Hodgkin's) - rituximab (TA226)
 Multiple myeloma (1st line) - bortezomib and thalidomide (TA228)
 Osteosarcoma - mifamurtide (TA235)
 Follicular lymphoma - rituximab (review TA110) (TA243)
 Multiple sclerosis (relapsing-remitting) - fingolimod (TA254)
 Melanoma (stage III or IV) - ipilimumab (TA268)
 Melanoma (BRAF V600 mutation positive, unresectable metastatic) - vemurafenib (TA269)
 Urothelial tract carcinoma (transitional cell, advanced, metastatic) - vinflunine (TA272)
 Bevacizumab in combination with paclitaxel & carboplatin for 1st line treatment of advanced ovarian cancer (TA284)
 Ovarian, fallopian tube & primary peritoneal cancer - bevacizumab (TA285)





























































Breast cancer - everolimus (with an aromatase inhibitor) (TA295)
 Hepatitis C (children and young people) - peginterferon alfa & ribavirin (TA300)
 Multiple sclerosis (relapsing) - teriflunomide (TA303)
 Lymphoma (non Hodgkin's, relapsed, refractory) - pixantrone monotherapy (TA306)
 Vasculitis (anti-neutrophil cytoplasmic antibody-associated) - rituximab (with glucocorticoids) (TA308)
 Multiple myeloma - bortezomib (induction therapy) (TA311)
 Multiple sclerosis (relapsing-remitting) - alemtuzumab (TA312)
 Ipilimumab for previously untreated advanced (unresectable or metastatic) melanoma (TA319)
 Dimethyl fumarate for treating relapsing-remitting multiple sclerosis (TA320)
 Dabrafenib for treating unresectable or metastatic BRAF V600 mutation-positive melanoma (TA321)
 Lenalidomide for treating myelodysplastic syndromes associated with an isolated deletion 5q cytogenetic abnormality (TA322)
 Imatinib for the adjuvant treatment of gastrointestinal stromal tumours (review of TA196) (TA326)
 Axitinib for treating advanced renal cell carcinoma after failure of prior systemic treatment (TA333)
 Obinutuzumab in combination with chlorambucil for untreated chronic lymphocytic leukaemia (TA343)
 Ofatumumab in combination with chlorambucil or bendamustine for untreated chronic lymphocytic leukaemia (TA344)
 Nintedanib for previously treated locally advanced, metastatic, or locally recurrent non-small-cell lung cancer (TA347)
 Pembrolizumab for treating advanced melanoma after disease progression with ipilimumab (TA357)
 Idelalisib for treating chronic lymphocytic leukaemia (TA359)
 Pembrolizumab for advanced melanoma not previously treated with ipilimumab (TA366)
 Bortezomib for previously untreated mantle cell lymphoma (TA370)
 Erlotinib and gefitinib for treating non-small-cell lung cancer that has progressed after prior chemotherapy (TA374)
 Enzalutamide for treating metastatic hormone-relapsed prostate cancer before chemotherapy is indicated (TA377)
 Nintedanib for treating idiopathic pulmonary fibrosis (TA379)
 Panobinostat for treating multiple myeloma after at least 2 previous treatments (TA380)
 Olaparib for ovarian, fallopian tube and peritoneal cancer (TA381)
 Nivolumab for treating advanced (unresectable or metastatic) melanoma (TA384)
 Ruxolitinib for treating disease-related splenomegaly or symptoms in adults with myelofibrosis (TA386)
 Abiraterone for treating metastatic hormone-relapsed prostate cancer before chemotherapy is indicated (TA387)
 Topotecan, PLDH, paclitaxel, trabectedin & gemcitabine for recurrent ovarian cancer (TA389)
 Cabazitaxel for hormone-relapsed metastatic prostate cancer treated with docetaxel (TA391)
 Ceritinib for previously treated anaplastic lymphoma kinase positive non-small-cell lung cancer (TA395)
 Trametinib in combination with dabrafenib for treating unresectable or metastatic melanoma (TA396)
 Nivolumab in combination with ipilimumab for treating advanced melanoma (TA400)
 Bosutinib for previously treated chronic myeloid leukaemia (TA401)
 Pemetrexed maintenance treatment for non-squamous non-small-cell lung cancer after pemetrexed and cisplatin (TA402)
 Degarelix for treating advanced hormone-dependent prostate cancer (TA404)
 Trifluridine-tipiracil for previously treated metastatic colorectal cancer (TA405)
 Crizotinib for untreated anaplastic lymphoma kinase-positive advanced non-small-cell lung cancer (TA406)
 Pegaspargase for treating acute lymphoblastic leukaemia (TA408)
 Talimogene laherparepvec for treating unresectable metastatic melanoma (TA410)
 Radium-223 dichloride for treating hormone-relapsed prostate cancer with bone metastases (TA412)
 Osimertinib for treating locally advanced or metastatic EGFR T790M mutation-positive non-small-cell lung cancer (TA416)
 Nivolumab for previously treated advanced renal cell carcinoma (TA417)
 Everolimus with exemestane for treating advanced breast cancer after endocrine therapy (TA421)
 Crizotinib for previously treated anaplastic lymphoma kinase-positive advanced non-small-cell lung cancer (TA422)
 Eribulin for treating locally advanced or metastatic breast cancer after 2 or more chemotherapy regimens (TA423)
 Pertuzumab for the neoadjuvant treatment of HER2-positive breast cancer (TA424)
 Dasatinib, nilotinib and high-dose imatinib for treating imatinib-resistant or intolerant chronic myeloid leukaemia (TA425)
 Dasatinib, nilotinib and imatinib for untreated chronic myeloid leukaemia (TA426)
 Pomalidomide for multiple myeloma previously treated with lenalidomide and bortezomib (TA427)
 Pembrolizumab for treating PD-L1-positive non-small-cell lung cancer after chemotherapy (TA428)
 Everolimus for advanced renal cell carcinoma after previous treatment (TA432)
 Cetuximab and panitumumab for previously untreated metastatic colorectal cancer (TA439)
 Daclizumab for treating relapsing-remitting multiple sclerosis (TA441)
 Brentuximab vedotin for treating CD30-positive Hodgkin lymphoma (TA446)
 Pembrolizumab for untreated PD-L1-positive metastatic non-small-cell lung cancer (TA447)
 Everolimus & sunitinib for treating unresectable or metastatic neuroendocrine tumours (TA449)
 Blinatumomab for previously treated Philadelphia-chromosome-negative acute lymphoblastic leukaemia (TA450)
 Ponatinib for treating chronic myeloid leukaemia and acute lymphoblastic leukaemia (TA451)
 Carfilzomib for previously treated multiple myeloma (TA457)
 Trastuzumab emtansine for treating HER2-positive advanced breast cancer after trastuzumab and a taxane (TA458)
 Nivolumab for treating relapsed or refractory classical Hodgkin lymphoma (TA462)
 Cabozantinib for previously treated advanced renal cell carcinoma (TA463)
 Olaratumab in combination with doxorubicin for treating advanced soft tissue sarcoma (TA465)
 Obinutuzumab with bendamustine for treating follicular lymphoma refractory to rituximab (TA472)
 Cetuximab for treating recurrent or metastatic squamous cell cancer of the head and neck (replaces TA172) (TA473)
 Sorafenib for treating advanced hepatocellular carcinoma (replaces TA189) (TA474)
 Paclitaxel with gemcitabine for untreated metastatic pancreatic cancer (replaces TA360) (TA476)
 Brentuximab vedotin for treating relapsed or refractory systemic anaplastic large cell lymphoma (TA478)
 Immunosuppressive therapy for kidney transplant in adults (replaces TA85) (TA481)
 Immunosuppressive therapy for kidney transplant in children and young people (replaces TA99) (TA482)
 Nivolumab for previously treated squamous non-small-cell lung cancer (TA483)
 Nivolumab for previously treated non-squamous non-small-cell lung cancer (TA484)
 Venetoclax for treating chronic lymphocytic leukaemia (TA487)
 Regorafenib for previously treated unresectable or metastatic gastrointestinal stromal tumours (TA488)
 Nivolumab for treating squamous cell carcinoma of the head and neck after platinum-based chemotherapy (TA490)
 Ibrutinib for treating Waldenstrom's macroglobulinaemia (TA491)
 Atezolizumab for untreated locally advanced or metastatic urothelial cancer when cisplatin is unsuitable (TA492)

Cladribine tablets for treating relapsing–remitting multiple sclerosis (TA493)
Palbociclib for previously untreated, locally advanced or metastatic breast cancer (TA495)
Ribociclib for previously untreated, locally advanced or metastatic breast cancer (TA496)
Lenvatinib with everolimus for previously treated advanced renal cell carcinoma (TA498)
Ceritinib for untreated ALK-positive non-small-cell lung cancer (TA500)
Intrabeam radiotherapy system for adjuvant treatment of early breast cancer (TA501)
Ibrutinib for treating relapsed or refractory mantle cell lymphoma (TA502)
Fulvestrant for untreated locally advanced or metastatic oestrogen-receptor positive breast cancer (TA503)
Ixazomib with lenalidomide and dexamethasone for treating relapsed or refractory multiple myeloma (TA505)

GMMM Formulary



Formulary Homepage
Chapter 8: Malignant disease & immunosuppression (Complete)
GMMM Adult **Red/Amber/Green** Drug List
GMMM Paediatric **Red/Amber/Green** Drug List

8.1 Cytotoxic drugs			GMMMG	
8.1 Cytotoxic drugs				
Calcium Folate			  	RESTRICTED Haematology Consultants only
Dexrazoxane	Red	PbR X	MMC  	RESTRICTED Haematology Consultants only
Folinic Acid (as calcium folinate)			  	RESTRICTED Haematology Consultants only
Mesna			  	RESTRICTED Haematology Consultants only
Palifermin	Red		MMC  	RESTRICTED Haematology Consultants only
8.1.1 Alkylating drugs				
Busulfan	Red		 MMC  	RESTRICTED Haematology Consultants only
Bendamustine	Red		MMC   	RESTRICTED Haematology Consultants only
Carmustine	Red		 	RESTRICTED Haematology Consultants only
Chlorambucil	Red		  	RESTRICTED Haematology Consultants only
Cyclophosphamide	Red		 MMC  	RESTRICTED Haematology Consultants only
Ifosfamide	Red		  	RESTRICTED Haematology Consultants only
Lomustine	Red		 	RESTRICTED Haematology Consultants only
Melphalan	Red		  	RESTRICTED Haematology Consultants only
Treosulfan	Red		MMC  	RESTRICTED Adult Haematology / Paediatric Haematology / Oncology
8.1.2 Anthracyclines & other cytotoxic antibiotics			NICE TA306	
			NICE TA389	
Bleomycin	Red		  	RESTRICTED Haematology Consultants only
Daunorubicin	Red		  	RESTRICTED Haematology Consultants only
Doxorubicin Hydrochloride	Red	NICE	  	RESTRICTED Haematology Consultants only
Idarubicin			 	RESTRICTED Haematology Consultants only
Mitomycin			MMC  	RESTRICTED Consultants only
Mitoxantrone			  	RESTRICTED Haematology Consultants only





























































Pixantrone				   	RESTRICTED Haematology Consultants only
8.1.3 Antimetabolites					
					NICE CG81
					NICE CG131
					NICE TA25
					NICE TA29
					NICE TA61
					NICE TA100
					NICE TA116
					NICE TA119
					NICE TA124
					NICE TA135
					NICE TA181
					NICE TA190
					NICE TA191
					NICE TA218
					NICE TA402
					NICE TA493
Azacitidine				    	RESTRICTED Haematology Consultants only
Cladribine				   	RESTRICTED Haematology Consultants only
Clofarabine				  	RESTRICTED Haematology Consultants only
Cytarabine				   	RESTRICTED Haematology Consultants only
Fludarabine				   	RESTRICTED Haematology Consultants only
Gemcitabine				  	RESTRICTED Haematology Consultants only
Mercaptopurine				  	
see also section 1.5.3					
Methotrexate				   	
see also section 10.1.3 & 13.5.3					
Pemetrexed				    	RESTRICTED Respiratory Consultants only in line with TA402
8.1.4 Vinca alkaloids & etoposide					
Etoposide				  	RESTRICTED Haematology Consultants only
Vinblastine Sulfate				  	RESTRICTED Haematology Consultants only
Vincristine Sulfate				  	RESTRICTED Haematology Consultants only


































































8.1.5 Other antineoplastic drugs		NICE TA129
		NICE TA228
		NICE TA268
		NICE TA311
		NICE TA319
		NICE TA333
		NICE TA347
		NICE TA357
		NICE TA366
		NICE TA370
		NICE TA374
		NICE TA379
		NICE TA380
		NICE TA395
		NICE TA400
		NICE TA408
		NICE TA410
		NICE TA421
		NICE TA423
		NICE TA424
		NICE TA428
		NICE TA432
		NICE TA439
		NICE TA446
		NICE TA447
		NICE TA457
		NICE TA458
		NICE TA463
		NICE TA473
		NICE TA474
		NICE TA478
		NICE TA487
Arsenic Trioxide	Red	RESTRICTED Haematology Consultants only
		BNF emc
Asparaginase e-coli	Red	RESTRICTED Haematology Consultants only
		BNF for children MMC BNF emc
Bortezomib	Red	RESTRICTED Haematology Consultants only
		PbR X NICE MMC BNF emc
Brentuximab Vedotin	Red	RESTRICTED Haematology Consultants only
		PbR X NICE MMC BNF emc
Cabozantinib	Red	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
		PbR X NICE MMC BNF emc
Carfilzomib	Red	RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
		PbR X NICE MMC BNF emc
Ceritinib	Red	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
		PbR X NICE MMC BNF emc
Cetuximab	Red	RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
		PbR X NICE MMC BNF emc
Crisantaspase	Red	RESTRICTED Haematology Consultants only
		BNF for children BNF emc
Dacarbazine	Red	RESTRICTED Haematology Consultants only
		BNF for children BNF emc
Eribulin	Red	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
		NICE MMC BNF emc












Erlotinib	Red	PbR X NICE MMC BNF emc	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
Everolimus	Red	NICE MMC BNF emc	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
Hydroxycarbamide see below	Red	BNF emc	RESTRICTED Haematology Consultants only
Ipilimumab	Red	NICE MMC BNF emc	RESTRICTED Dermatology Consultants only in line with NICE NOT STOCKED
Nintedanib	Red	PbR X NICE MMC BNF emc	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
Panitumumab	Red	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
Panobinostat	Red	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only in line with TA380
Pegaspargase Oncaspar®		NICE MMC BNF emc	RESTRICTED Haematology Consultants only
Pembrolizumab	Red	PbR X NICE MMC BNF emc	RESTRICTED Consultants only in line with NICE NOT STOCKED
Pentostatin	Red	BNF emc	RESTRICTED Haematology Consultants only
Pertuzumab	Red	NICE MMC BNF emc	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
Procarbazine	Red	NICE BNF emc	RESTRICTED Haematology Consultants only
Sorafenib	Red	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only on line with NICE
Talimogene laherparepvec		PbR X NICE MMC BNF emc	RESTRICTED Dermatology Consultants only in line with TA410
Trastuzumab emtansine	Red	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE
Venetoclax		PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE TA487
Hydroxycarbamide - Essential thrombocythaemia or polycythaemia with high risk of complications			Amber
Hydroxycarbamide - Sickle Cell Disease			Amber
Hydroxycarbamide - Chemotherapy			Red
Platinum compounds			
Cisplatin	Red	BNF emc	RESTRICTED Haematology Consultants only































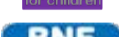


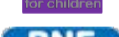


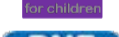









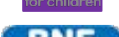

Protein kinase inhibitors				NICE TA 86
				NICE TA169
				NICE TA179
				NICE TA192
				NICE TA209
				NICE TA321
				NICE TA326
				NICE TA333
				NICE TA359
				NICE TA386
				NICE TA396
				NICE TA401
				NICE TA406
				NICE TA416
				NICE TA421
				NICE TA422
				NICE TA425
				NICE TA426
				NICE TA429
				NICE TA449
				NICE TA451
				NICE TA488
				NICE TA491
				NICE TA495
				NICE TA496
Axitinib		PbR X NICE MMC BNF emc		RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
Bosutinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Haematology Consultants only in line with TA401
Crizotinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA422 NOT STOCKED
Dabrafenib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA321 NOT STOCKED
Dasatinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Haematology Consultants only
Gefitinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA192 NOT STOCKED
Ibrutinib		PbR X NICE MMC BNF emc		RESTRICTED Haematology Consultants only / also in line with NICE TA429; TA491 
Idelalisib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA359 NOT STOCKED
Imatinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Haematology Consultants only
Nilotinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Haematology Consultants only
Osimertinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA416 NOT STOCKED
Palbociclib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA495 NOT STOCKED
Ponatinib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA451
Regorafenib	Red	PbR X NICE MMC BNF emc		RESTRICTED Specialist use only in line with NICE TA488 NOT STOCKED
































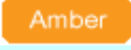

Ribociclib	Red	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE TA496 NOT STOCKED
Ruxolitinib	Red	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only in line with TA386
Sunitinib	Red	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Trametinib	Red	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE TA396 NOT STOCKED
Topoisomerase I inhibitors			
Tretinoin	Red	BNF for children BNF emc	RESTRICTED Haematology Consultants only
Taxanes			NICE TA389
			NICE TA391
			NICE TA476
Paclitaxel	Red	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only
Cabazitaxel	Red	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only

8.2 Drugs affecting the immune response		GMMMG	
8.2.1 Antiproliferative immunosuppressants		NICE TA481 / TA482	
Azathioprine	Amber	  	
Mycophenolate Mofetil	Amber	   	
Belatacept (Nulojix®)	U	   	RESTRICTED Renal Transplant Consultants only NOT STOCKED
8.2.2 Corticosteroids & other immunosuppressants		NICE TA481 / TA482	
Tacrolimus		    	
see below			
Antithymocyte immunoglobulin (Rabbit)		  	
Ciclosporin (Deximune®) & I.V. (Sandimmun®)		  	
see below			
Sirolimus		   	RESTRICTED Renal Consultants only
see below			
Basiliximab		   	RESTRICTED Renal Consultants only
Immunosuppressants - e.g. ciclosporin, tacrolimus, sirolimus	Amber		Red If no SCP
8.2.3 Anti-lymphocyte monoclonal antibodies			
			NICE TA137
			NICE TA174
			NICE TA193
			NICE TA202
			NICE TA226
			NICE TA243
			NICE TA308
			NICE TA312
			NICE TA343
			NICE TA344
			NICE TA450
			NICE TA472
			NICE TA492
Alemtuzumab	Red	    	RESTRICTED Renal Consultants only under Patient Access Scheme
Atezolizumab	Red	    	RESTRICTED Urology Consultants only in line with NICE
Blinatumomab	Red	    	RESTRICTED Haematology Consultants only in line with NICE
Obinutuzumab	Red	    	RESTRICTED Haematology Consultants only in line with NICE
Ofatumumab	Red	    	RESTRICTED Haematology Consultants only in line with NICE
Rituximab		    	RESTRICTED Renal Consultants only
see also section 10.1.3			










8.2.4 Other immunomodulating drugs		NICE TA75
		NICE TA96
		NICE TA106
		NICE TA200
		NICE TA300
Interferon alfa		
Interferon alfa-2a	Red    	
Roferon-A®		
Interferon alfa-2b	Red    	
IntronA®		
Peginterferon alfa-2a	Red     	RESTRICTED Gastro Consultants only
Pegasys®		
Peginterferon alfa-2b	Red     	RESTRICTED Gastro Consultants only
ViraferonPeg®		
BCG bladder instillation		
BCG bladder instillation	Red  	RESTRICTED Specialist use only
Immucyst®		
Dimethyl Fumarate		NICE TA320
Dimethyl Fumarate	Red    	RESTRICTED Specialist use only in line with NICE TA320
Fingolimod		NICE TA254
Fingolimod Hydrochloride	    	RESTRICTED Specialist use only in line with NICE TA254
Other Agents		NICE TA127
		NICE TA171
		NICE TA228
		NICE TA235
		NICE TA303
		NICE TA322
		NICE TA381
		NICE TA384
		NICE TA400
		NICE TA417
		NICE TA427
		NICE TA441
		NICE TA462
		NICE TA483
		NICE TA484
		NICE TA490
Lenalidomide	Red     	RESTRICTED Haematology Consultants only
Thalidomide	Red     	RESTRICTED Haematology Consultants only
Pomalidomide	Red     	RESTRICTED Haematology only / also in line with NICE TA427
Mifamurtide	Red     	RESTRICTED Specialist use only in line with NICE TA235 NOT STOCKED
Natalizumab	Red     	RESTRICTED Specialist use only in line with NICE TA127 NOT STOCKED
Teriflunomide	Red     	RESTRICTED Specialist use only in line with NICE TA303 NOT STOCKED
Daclizumab	    	RESTRICTED Specialist use only in line with NICE TA441 

Olaparib	Red	    	RESTRICTED Specialist use only in line with NICE TA381 NOT STOCKED
Nivolumab	Red	    	RESTRICTED Specialist use only in line with TAs: 384; 400; 417; 462; 483; 484 & 490 


8.3 Sex hormones & hormone antagonists in malignant disease		GMMMG
8.3.1 Oestrogens		
Diethylstilbestrol	 	RESTRICTED Specialist use only
8.3.2 Progestogens		
Medroxyprogesterone Acetate	  	RESTRICTED Specialist use only
Megestrol Acetate	 	RESTRICTED Specialist use only
8.3.3 Androgens		
Testolactone	  	RESTRICTED Specialist use only
8.3.4 Hormone Antagonists		NICE TA112
8.3.4.1 Breast Cancer		
Aminoglutethimide	 	RESTRICTED Specialist use only
Anastrozole 	 MMC  	RESTRICTED Specialist use only
Exemestane 	 MMC  	RESTRICTED Specialist use only
Letrozole 	  	RESTRICTED Specialist use only
Tamoxifen 	 	RESTRICTED Specialist use only
8.3.4.2 Gonadorelin analogues & gonadotrophin-releasing hormone antagonists		
Gonadorelin analogues		
Buserelin see also section 6.7.2	 	RESTRICTED Specialist use only
Goserelin see below (also section 6.7.2)	  	RESTRICTED Specialist use only
Leuprorelin Acetate see below (also section 6.7.2)	  	RESTRICTED Specialist use only
Triptorelin see below (also section 6.7.2)	  	RESTRICTED Specialist use only
Goserelin/Leuprorelin - Licensed Indications (pre-op management prior to endometrial ablation/fibroid surgery)		
Goserelin/Leuprorelin/Triptorelin - Licensed Indications (prostate cancer (all), breast cancer (goserelin))		
Goserelin/Leuprorelin/Triptorelin - Precocious puberty and for testosterone castration in sex offenders (unlicensed in goserelin and leuprorelin)		
Goserelin/Leuprorelin/Triptorelin - For all other unlicensed indications (including long term use > 6 months)		
Anti-androgens		NICE TA377
		NICE TA387
Bicalutamide 	 	RESTRICTED Specialist use only
Cyproterone Acetate see also section 6.4.2	  	RESTRICTED Specialist use only

Flutamide		 	RESTRICTED Specialist use only
Enzalutamide	 Red	   	RESTRICTED Specialist use only
Abiraterone	 Red	   	RESTRICTED Specialist use only
Gonadotrophin-releasing hormone antagonists			NICE TA404
Degarelix		   	RESTRICTED Specialist use only in line with NICE TA404
Other			NICE TA412
Radium-223 dichloride		    	RESTRICTED Specialist use only in line with NICE TA412
8.3.4.3 Somatostatin analogues			
Lanreotide			RESTRICTED Consultant only - acromegaly
see below		  	
Octreotide		 	RESTRICTED 3rd line use Gastro. Consultant only
see below		  	
Lanreotide/Octreotide - Licensed Indications			 Amber
Lanreotide/Octreotide - Unlicensed Indications			 Red

8.4 Miscellaneous preparations

<p>Glucarpidase </p> <p>Voraxaze®</p>	   	<p>2nd line rescue therapy in patients with delayed methotrexate excretion</p>
<p>Trifluridine / Tipiracil hydrochloride</p>	   	<p>RESTRICTED Specialist use only in line with NICE TA405</p>

Section 9: Nutrition & blood

Supported by the 
formulary ([click here](#))

9.1 Anaemias and some other blood disorders

9.1.1 Iron deficiency anaemias

9.1.1.2 Parenteral iron

9.1.2 Drugs used in megaoblastic anaemias

9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias

9.1.4 Drugs used in platelet disorders

9.1.6 Drugs used in neutropenia

9.1.7 Drugs used to mobilise stem cells

9.2 Fluids and electrolytes

9.2.1 Oral preparations for fluid & electrolyte imbalance

9.2.2 Parenteral preparations for fluid & electrolyte imbalance

9.3 Intravenous nutrition

9.4 Oral nutrition

9.5 Minerals

9.5.1 Calcium and magnesium

9.5.2 Phosphorus

9.5.3 Fluoride

9.5.4 Zinc

9.6 Vitamins

9.6.1 Vitamin A

9.6.2 Vitamin B group

9.6.3 Vitamin C (Ascorbic acid)

9.6.4 Vitamin D

9.6.5 Vitamin E (Tocopherols)

9.6.6 Vitamin K

9.6.7 Multivitamin preparations

9.7 Bitters & tonics

9.8 Metabolic disorders

9.8.1 Drugs used in metabolic disorders

9.8.2 Acute porphyrias

Trust Guidelines







































































Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)

NICE Guidance

Nutrition support in adults (CG32)
Coeliac disease (CG86)
Chronic Kidney disease (stage 4 or 5): management of hyperphosphataemia (CG157)
Eculizumab for treating atypical haemolytic uraemic syndrome (HST1)
Elosulfase alfa for treating mucopolysaccharidosis type IVa (HST2)
Migalastat for treating Fabry disease (HST4)
Eliglustat for treating type 1 Gaucher disease (HST5)
Asfotase alfa for treating paediatric-onset hypophosphatasia (HST6)
Hyperparathyroidism - cinacalcet (TA117)
Thrombocytopenic purpura - romiplostim (TA221)
Thrombocytopenic purpura - eltrombopag (TA293)
Erythropoiesis-stimulating agents (epoetin & darbepoetin) for treating anaemia in chemotherapy (TA323)
Etelcalcetide for treating secondary hyperparathyroidism (TA448)

GMMM Formulary

Formulary Homepage
Chapter 9: Nutrition & Blood (Complete)
GMMM Adult [Red](#)/[Amber](#)/[Green](#) Drug List
GMMM Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

9.1 Anaemias and some other blood disorders			GMMMG
9.1.1 Iron deficiency anaemias			
9.1.1.1 Oral iron			
Ferrous Sulfate		  	1st line use
standard preparations only			
Ferrous Fumarate		  	
Sodium Ferredetate		  	
liquid only preparation			
Iron & folic acid			
Ferrous Sulfate		  	
Ferrous Fumarate		 	
9.1.1.2 Parenteral iron			
Ferric Carboxymaltose		   	RESTRICTED
Iron Sucrose		   	RESTRICTED
9.1.2 Drugs used in megaloblastic anaemias			
Hydroxocobalamin		  	1st line use
Intramuscular injection			
9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias			
Erythropoietins			NICE TA323
Darbepoetin Alfa		    	RESTRICTED Renal Consultants only
Epoetin Alfa		   	RESTRICTED Renal Consultants only
Epoetin Beta		   	RESTRICTED Renal Consultants only
Sickle-cell disease			
Hydroxycarbamide		  	RESTRICTED Haematology Consultants only
Iron overload			
Deferasirox		    	RESTRICTED Haematology Consultants only
Deferiprone		    	RESTRICTED Haematology Consultants only
Desferrioxamine Mesilate		   	RESTRICTED Haematology Consultants only
Paroxysmal nocturnal haemoglobinuria & atypical haemolytic uraemic syndrome			NICE HST1
Eculizumab		     	RESTRICTED Haematology Consultants only

9.1.4 Drugs used in platelet disorders						NICE TA221
						NICE TA293
Anagrelide	Red			MMC	BNF for children BNF emc+	RESTRICTED Haematology Consultants only
Eltrombopag	Red	PbR X	NICE	MMC	BNF for children BNF emc+	RESTRICTED Haematology Consultants only
Romiplostim		PbR X	NICE	MMC	BNF for children BNF emc+	RESTRICTED Haematology Consultants only
9.1.6 Drugs used in neutropenia						
Filgrastim	Red	PbR X		MMC	BNF for children BNF emc+	RESTRICTED Haematology Consultants only
Lenograstim	Red	PbR X			BNF for children BNF emc+	RESTRICTED Haematology Consultants only
Pegfilgrastim	Red	PbR X		MMC	BNF for children BNF emc+	RESTRICTED Paediatric Haematology Consultants only
9.1.7 Drugs used to mobilise stem cells						
Plerixafor		PbR X		MMC	BNF emc+	RESTRICTED - initiation on advice of Haematology Consultant only
						NHSE Commissioning

9.2 Fluids and electrolytes



9.2.1 Oral preparations for fluid & electrolyte imbalance

9.2.1.1 Oral potassium

Potassium Chloride

(Sando-K®) Liquid (Kay-Cee-L®)



Potassium removal

Calcium Polystyrene Sulfonate

Calcium Resonium®



9.2.1.2 Oral sodium and water

Sodium Chloride (Slow Sodium®)

600mg M/R tabs



Oral Rehydration Therapy (ORT)

Oral Rehydration Salts (ORS)



9.2.1.3 Oral bicarbonate

Sodium Bicarbonate

(500mg caps) & (8.4% (1mmol/mL) oral solution)



9.2.2 Parenteral preparations for fluid & electrolyte imbalance

9.2.2.1 Electrolytes & water

Intravenous sodium

Sodium Chloride



Sodium chloride with other ingredients

Sodium Chloride & Glucose



Sodium Chloride, Calcium Chloride & Potassium Chloride (Ringer's solution)



Sodium Chloride, Calcium Chloride, Potassium Chloride & Sodium Lactate



Intravenous glucose

Glucose



Intravenous potassium

Potassium Chloride and Glucose



Potassium Chloride and Sodium Chloride



Potassium Chloride, Sodium Chloride & Glucose



Bicarbonate and lactate

Sodium Bicarbonate






1.26%, 2.74%, 4.2% & 8.4% available



Water

Water for Injections



9.2.2.2 Plasma & plasma substitutes	
Dextran	
Dextran 40 - 10% in sodium chloride 0.9%	
Dextrose Acid Citrate ACDA	
Gelatin (Gelofusine® infusion)	  

9.3 Intravenous nutrition



Prescribers should seek advice from the CMFT Nutrician Support Team (pager service 07659 526240) or the Dietetic Support Teams (General x64668; Renal x64478; Gastro x65781)

NICE CG32

9.4 Oral nutrition






























































Prescribers should seek advice from the CMFT Nutrician Support Team (pager service 07659 526240) or the Dietetic Support Teams (General x64668; Renal x64478; Gastro x65781)

NICE CG32



































9.5 Minerals		GMMMG	
9.5.1 Calcium and magnesium			
9.5.1.1 Calcium supplements			
Oral preparations			
Calcium Carbonate	Green	BNF for children	
Cacit®, Calcichew®, Calcium-500®		BNF emc	
Calcium Carbonate & Calcium Lactate Gluconate		BNF for children	
Sandocal® 1000		BNF emc	
Parenteral preparations			
Calcium Gluconate		BNF for children	
		BNF emc	
Calcium Chloride		BNF for children	
		BNF emc	
with vitamin D			
see section 9.6.4		BNF for children	
		BNF emc	
with risedronate sodium & colecalciferol			
see section 6.6.2		BNF emc	
9.5.1.2 Hypercalcaemia & hypercalciuria			
			NICE TA117
			NICE TA448
Cinacalcet	Red (2 ^{ly} HPT) Amber (1 ^{ly} HPT)	NICE MMC BNF emc	RESTRICTED as per NICE guidance.
Etelcalcetide		NICE MMC BNF emc	RESTRICTED as per NICE guidance.
9.5.1.3 Magnesium			
			NICE ESUOM4
Magnesium Aspartate Dihydrate		BNF for children	1 st line use
Magnaspartate®		MMC BNF emc	
Magnesium Glycerophosphate		BNF for children	
	NICE	BNF emc	
Magnesium Sulphate		BNF for children	
Magnesium Sulphate 20%; 50%		BNF emc	
9.5.2 Phosphorus			
9.5.2.1 Phosphate supplements			
Phosphates (Polyfusor®)	Red	BNF for children	I.V. preparation
		BNF emc	
Phosphates (Phosphate-Sandoz®)		BNF for children	Effervescent tabs
		BNF emc	
9.5.2.2 Phosphate-binding agents			
			NICE CG157
Aluminium Hydroxide	Green	BNF for children	
		BNF emc	
Calcium Carbonate	Green	BNF for children	
see also section 9.5.1.1		BNF emc	
Calcium Acetate	Green	BNF for children	
		MMC BNF emc	
Calcium Acetate / Magnesium Carbonate (Osvaren®)	Green	MMC BNF emc	RESTRICTED Renal Consultants only
		MMC BNF emc	

Lanthanum	Green	MMC BNF emc	RESTRICTED Renal Consultants only
Sevelamer Carbonate	Green	MMC BNF emc	RESTRICTED Renal Consultants only
Sucroferric Oxyhydroxide	Red	MMC BNF emc	RESTRICTED Renal Consultants only - 3rd line
9.5.3 Fluoride			
Sodium Fluoride		BNF BNF emc	
tablets, paediatric drops, dental rinse			
9.5.4 Zinc			
Zinc Sulfate		BNF BNF emc	
Solvazinc® 125mg effervescent tabs; Zincomed® 220mg capsules			

9.6 Vitamins		GMMMG	
9.6.1 Vitamin A			
Vitamin A		  	
150,000units/mL drops			
Vitamin A Palmitate		  	
100,000units/2mL injection			
Vitamins A & D		  	
capsules			
9.6.2 Vitamin B group			
Pyridoxine Hydrochloride		  	
Thiamine		  	
Vitamin B Compound		  	
Vitamin B Compound Strong		  	
Vitamins B & C		 	
Pabrinex® Intramuscular (IM) & Intravenous (IV) injection			
9.6.3 Vitamin C (Ascorbic acid)			
Ascorbic acid		  	
9.6.4 Vitamin D			
Alfacalcidol		  	
Calcitriol		  	
Vitamin D and calcium			
Colecalciferol		  	1st line use
Calcichew D3® Forte tablets			
Calcium & Ergocalciferol		  	
calcium 97mg/vitamin D 400units			
Colecalciferol		  	
Cacit® D3 effervescent granules			
9.6.5 Vitamin E (Tocopherols)			
Alpha Tocopheryl Acetate (Vitamin E)		  	
500mg/5mL liquid			
Alpha Tocopheryl Acetate (Vitamin E)		  	
75 unit capsules			
9.6.6 Vitamin K			
Phytomenadione		   	
Konakion® MM & Konakion® MM Paediatric			
Menadiol Sodium Phosphate		   	
9.6.7 Multivitamin preparations			
Renavit®		  	RESTRICTED

9.7 Bitters & tonics

Mixtures containing simple and aromatic bitters are traditional remedies for loss of appetite; there is no evidence to support their use


9.8 Metabolic disorders			
9.8.1 Drugs used in metabolic disorders			
Wilson's Disease			
Penicillamine		  	
see also section 10.1.3			
Trientine Dihydrochloride	Red	 MMC  	3rd line use
Carnitine Deficiency			
Levocarnitine		   	RESTRICTED Specialist use only
Fabry's disease			
Agalsidase Alfa		  MMC  	NICE HST4 RESTRICTED Specialist use only - not stocked
Migalastat		  NICE MMC  	RESTRICTED Specialist use only in line with NICE HST4
Mucopolysaccharidosis			
Galsulfase		  MMC  	RESTRICTED Specialist use only - not stocked
Laronidase		  MMC  	RESTRICTED Specialist use only - not stocked
Elosulfase		  NICE MMC  	RESTRICTED Specialist use only in line with NICE HST2
Nephropathic cystinosis			
Cystagon® (Mercaptamine)		   	RESTRICTED Specialist use only
NB: prescribe as CYSTAGON®			
Tyrosinemia type I			
Nitisinone		  MMC  	RESTRICTED Specialist use only
Urea cycle disorders			
Carglumic Acid		  MMC  	RESTRICTED Specialist use only
Sodium Phenylbutyrate		  MMC  	RESTRICTED Specialist use only
Homocystinuria			
Betaine	Red	   	RESTRICTED Specialist use only
Sodium Benzoate		   	RESTRICTED Specialist use only
Uridine		 MMC  	RESTRICTED Specialist use only
Other metabolic disorders			
NICE HST5			
NICE HST6			
Eliglustat		  NICE MMC  	RESTRICTED Specialist use only in line with NICE HST5
Asfotase alfa		  NICE MMC  	RESTRICTED Specialist use only in line with NICE HST6

9.8.2 Acute porphyrias

Haem Arginate



Section 10: Musculoskeletal & Joint Diseases

Supported by the
formulary (click here 

10.1 Drugs used in rheumatic diseases & gout

10.1.1 Non-steroidal anti-inflammatory drugs

10.1.2 Corticosteroids

10.1.3 Drugs that suppress the rheumatic disease process

Gold

Penicillamine

Antimalarials

Drugs affecting the immune response

Cytokine modulators

10.1.4 Gout and cytotoxic induced hyperuricaemia

10.2 Drugs used in neuromuscular disorders

10.2.1 Drugs that enhance neuromuscular transmission

10.2.2 Skeletal muscle relaxants

Nocturnal leg cramps

10.2.3 Drugs used in muscular dystrophy

10.3 Drugs for the relief of soft-tissue inflammation

10.3.1 Enzymes

10.3.2 Rubefacients & other topical antirheumatics

10.4 Miscellaneous preparations

Trust Guidelines



[Adult medicines and prescribing guidelines](#)
[Paediatric medicines and prescribing guidelines](#)
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NICE Guidance

[Rheumatoid Arthritis \(CG79\)](#)
[Osteoarthritis \(CG177\)](#)
[Ataluren for treating Duchenne muscular dystrophy with a nonsense mutation in the dystrophin gene \(HST3\)](#)
[Hyperuricaemia - febuxostat \(TA164\)](#)
[Psoriasis - ustekinumab \(TA180\)](#)
[Rheumatoid arthritis - drugs for treatment after failure of a TNF inhibitor \(TA195\)](#)
[Psoriatic arthritis - etanercept, infliximab and adalimumab \(TA199\)](#)
[Psoriatic arthritis - golimumab \(TA220\)](#)
[Rheumatoid arthritis \(after the failure of previous DMARDs\) - golimumab \(TA225\)](#)
[Arthritis \(juvenile idiopathic, systemic\) - tocilizumab \(TA238\)](#)
[Rheumatoid arthritis - tocilizumab \(rapid review TA198\) \(TA247\)](#)
[Vasculitis \(anti-neutrophil cytoplasmic antibody-associated\) - rituximab \(with glucocorticoids\) \(TA308\)](#)
[Ustekinumab for treating active psoriatic arthritis \(rapid review of TA313\) \(TA340\)](#)
[Abatacept, adalimumab, etanercept and tocilizumab for treating juvenile idiopathic arthritis \(TA373\)](#)
[Adalimumab, etanercept, infliximab, certolizumab, golimumab, tocilizumab & abatacept for rheumatoid arthritis \(TA375\)](#)
[TNF-alpha inhibitors for ankylosing spondylitis and non-radiographic axial spondyloarthritis \(TA383\)](#)
[Belimumab for treating active autoantibody-positive systemic lupus erythematosus \(TA397\)](#)
[Certolizumab pegol for treating rheumatoid arthritis after inadequate response to a TNF-alpha inhibitor \(TA415\)](#)
[Certolizumab pegol and secukinumab for treating active psoriatic arthritis after inadequate response to DMARDs \(TA445\)](#)
[Collagenase clostridium histolyticum for treating Dupuytren's contracture \(TA459\)](#)
[Adalimumab and dexamethasone for treating non-infectious uveitis \(TA460\)](#)
[Baricitinib for moderate to severe rheumatoid arthritis \(TA466\)](#)
[Tofacitinib for moderate to severe rheumatoid arthritis \(TA480\)](#)
[Sarilumab for moderate to severe rheumatoid arthritis \(TA485\)](#)































GMMMG Formulary

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10.1 Drugs used in rheumatic diseases & gout		GMMG	
10.1 Drugs used in rheumatic diseases & gout			
10.1.1 Non-steroidal anti-inflammatory drugs (NSAIDs)			
Ibuprofen 200mg; 400mg; 600mg tablets		  	1st line use
Naproxen 250mg; 500mg tablets		  	
Diclofenac Sodium 50mg tablets	MMC	  	RESTRICTED - acute post-operative pain
Flurbiprofen		  	
Mefenamic Acid		  	
Meloxicam		  	
Sulindac		 	
Etodolac	MMC	 	RESTRICTED Consultant Anaesthetist use only
Phenylbutazone		 	RESTRICTED Specialist use only, ankylosing spondylitis
10.1.2 Corticosteroids			
10.1.2.1 Systemic corticosteroids			
Prednisolone		  	
10.1.2.2 Local corticosteroid injections			
Hydrocortisone Acetate 25mg/mL injection		  	
Methylprednisolone Acetate 40mg/mL injection		  	
Triamcinolone Acetonide 10mg/mL; 40mg/mL injection		  	
Triamcinolone Hexacetonide 20mg/mL injection		  	
10.1.3 Drugs that suppress the rheumatic disease process			
Gold			
Auranofin	Amber	 	RESTRICTED Rheumatology Consultants only
Sodium Aurothiomalate	Amber	 	RESTRICTED Rheumatology Consultants only
Penicillamine			
Penicillamine	Amber	  	RESTRICTED Rheumatology Consultants only
Antimalarials			
Hydroxychloroquine	Amber	MMC   	RESTRICTED Rheumatology Consultants only

Drugs affecting the immune response			
Azathioprine	Amber		BNF for children BNF emc+
see also section 8.2.1			
Ciclosporin	Amber		BNF for children BNF emc+
see also sections 8.2.2 & 13.5.3			
Leflunomide	Amber		MMC BNF emc+
Methotrexate	Amber (oral) Red (parenteral)		BNF for children MMC BNF emc+
Cytokine modulators			
			NICE TA180
			NICE TA195
			NICE TA199
			NICE TA220
			NICE TA225
			NICE TA238
			NICE TA247
			NICE TA308
			NICE TA340
			NICE TA373
			NICE TA375
			NICE TA383
			NICE TA397
			NICE TA407
			NICE TA415
			NICE TA445
			NICE TA460
			NICE TA466
			NICE TA480
			NICE TA485
Abatacept	Red	PbR X NICE MMC	BNF for children BNF emc+
Adalimumab	Red	PbR X NICE MMC	BNF for children BNF emc+
see also sections 1.5.3 & 13.5.3			
Anakinra	Red	PbR X MMC	BNF for children BNF emc+
Certolizumab	Red	PbR X NICE MMC	BNF for children BNF emc+
see also section 13.5.3			
Etanercept	Red	PbR X NICE MMC	BNF for children BNF emc+
Infliximab	Red	PbR X NICE MMC	BNF for children BNF emc+
MMC Remsima			
Rituximab	Red	PbR X NICE MMC	BNF for children BNF emc+
see also section 8.2.3			
Tocilizumab	Red	PbR X NICE MMC	BNF for children BNF emc+
Golimumab	Red	PbR X NICE MMC	BNF emc+
Belimumab	Red	PbR X NICE MMC	BNF emc+
Ustekinumab	Red	PbR X NICE MMC	BNF for children BNF emc+
see also section 13.5.3			

Sarilumab		PbR X NICE MMC BNF emc+	RESTRICTED Rheumatology Consultants only in line with NICE
Secukinumab	Red	PbR X NICE MMC BNF emc+	RESTRICTED Rheumatology Consultants only in line with NICE
Baricitinib	Red	PbR X NICE MMC BNF emc+	RESTRICTED Rheumatology Consultants only in line with NICE
Tofacitinib	Red	PbR X NICE MMC BNF emc+	RESTRICTED Rheumatology Consultants only in line with NICE
10.1.4 Gout and cytotoxic induced hyperuricaemia			NICE TA164
Acute attacks of gout			
Colchicine		BNF emc+	
Long-term control of gout			
Allopurinol		BNF for children BNF emc+	1st line use
Febuxostat	Green	NICE MMC BNF emc+	RESTRICTED Rheumatology Consultants only
Hyperuricaemia associated with cytotoxic drugs			
Rasburicase		PbR X MMC BNF for children emc+	RESTRICTED Haematology Consultants only

10.2 Drugs used in neuromuscular disorders		GMMMG
10.2.1 Drugs that enhance neuromuscular transmission		
Anticholinesterases		
Pyridostigmine Bromide	  	1st line use
Neostigmine	  	
Edrophonium Chloride	  	RESTRICTED - diagnosis of myasthenia gravis Licensed product discontinued
10.2.2 Skeletal muscle relaxants		
Baclofen 10mg tablets; 5mg/mL oral solution	  	1st line use
Dantrolene Sodium 25mg; 100mg capsules	  	
Diazepam see also sections 4.1.2, 4.8 & 15.1.4.1	  	
Tizanidine  2mg; 4mg tablets	 	RESTRICTED Consultant Neurologist only
Nocturnal leg cramps		
Quinine Sulfate see also section 5.4.1	  	
10.2.3 Drugs used in muscular dystrophy		NICE HST3
Ataluren	     	

10.3 Drugs for the relief of soft-tissue inflammation		GMMMG
10.3.1 Enzymes		NICE TA459
Collagenase <i>Clostridium histolyticum</i> Xiapex®	PbR X NICE MMC BNF emc+	Specialist use only in line with NICE TA459
Hyaluronidase	BNF for children BNF emc+	RESTRICTED extravasation
10.3.2 Rubefacients & other topical antirheumatics		
Piroxicam 0.5% gel	BNF for children BNF emc+	
Capsaicin	MMC BNF emc+	Patch restricted to peripheral neuropathic pain specialists at TGH

10.4 Miscellaneous preparations

Glucarpidase




Voraxaze®



2nd line rescue therapy in patients with delayed methotrexate excretion

Section 11: Eye

Supported by the 
formulary ([click here](#))

11.3 Anti-infective eye preparations

11.3.1 Antibacterials

11.3.3 Antivirals

11.4 Corticosteroid & other anti-inflammatory preparations

11.4.1 Corticosteroids

11.4.2 Other anti-inflammatory preparations

11.5 Mydriatics & cycloplegics

11.6 Treatment of glaucoma

11.7 Local anaesthetics

11.8 Miscellaneous ophthalmic preparations

11.8.1 Tear deficiency, ocular lubricants & astringents

11.8.2 Ocular diagnostic & peri-operative preparations & photodynamic treatment

Trust Guidelines

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NICE Guidance

Diagnosis and management of glaucoma (CG85)
Macular degeneration (age related) ranibizimab & pegaptanib (TA155)
Macular oedema (retinal vein occlusion) - dexamethasone (TA229)
Macular oedema (diabetic) - ranibizumab (TA274)
Macular oedema (retinal vein occlusion) - ranibizumab (TA283)
Macular degeneration (wet age-related) - aflibercept (1st line) (TA294)
Vitreomacular traction - ocriplasmin (TA297)
Choroidal neovascularisation (pathological myopia) - ranibizumab (TA298)
Diabetic macular oedema - fluocinolone acetonide intravitreal implant (rapid review of TA271) (TA301)
Macular oedema (central retinal vein occlusion) - aflibercept solution for injection (TA305)
Aflibercept for treating diabetic macular oedema (TA346)
Dexamethasone intravitreal implant for treating diabetic macular oedema (TA349)
Cyclosporin for treating dry eye disease that has not improved despite treatment with artificial tears (TA369)
Aflibercept for treating visual impairment caused by macular oedema after branch retinal vein occlusion (TA409)
Adalimumab and dexamethasone for treating non-infectious uveitis (TA460)
Holoclax for treating limbal stem cell deficiency after eye burns (TA467)
Aflibercept for treating choroidal neovascularisation (TA486)

GMMMG Formulary




















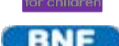






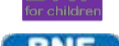

















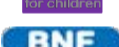









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Chapter 11: Eye (Complete)
GMMMG Adult [Red](#)/[Amber](#)/[Green](#) Drug List
GMMMG Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List
















11.3 Anti-infective eye preparations



11.3.1 Antibacterials

Chloramphenicol		 	
0.5% eye drops, 1% eye ointment			
Fusidic Acid (ophthalmic)		 	
1% eye drops			
Amikacin (ophthalmic)	U	 	RESTRICTED microbial keratitis. Consultant Ophthalmologist only NOT STOCKED
2.5% eye drops			
Amphotericin		 	RESTRICTED Consultant Ophthalmologist only
0.15% eye drops			
Ceftazidime (ophthalmic)	U	 	RESTRICTED Consultant Ophthalmologist only NOT STOCKED
5% eye drops			
Cefuroxime (ophthalmic)	U	 	RESTRICTED Consultant Ophthalmologist only
5% eye drops			
Chlorhexidine (ophthalmic)	U	 	RESTRICTED acanthamoeba keratitis. Consultant only
0.02% eye drops			
Ciprofloxacin (ophthalmic)		 	RESTRICTED microbial keratitis. Consultant Ophthalmologist only
0.3% eye drops			
Erythromycin (ophthalmic)	U	 	RESTRICTED superficial eye infections
0.5% eye ointment			
Gentamicin (ophthalmic)	U	 	RESTRICTED Consultant Ophthalmologist only
1.5% eye drops (Use with cefuroxime eye drops)			
Levofloxacin (ophthalmic)		 	RESTRICTED Consultant only corneal ulcers/ keratitis
0.5% eye drops	MMC		
Ofloxacin		 	RESTRICTED Consultant Ophthalmologist only
0.3% eye drops	MMC		
Penicillin (ophthalmic)	U	 	RESTRICTED microbial keratitis. Consultant Ophthalmologist only
2,500 units/mL eye drops			
Polyhexamethylene Biguanide (PHMB)	U	 	NOT STOCKED
0.02% eye drops			
Polymyxin B Sulfate		 	RESTRICTED gram negative bacteria, including pseudomonas
eye ointment			
Propamidine Isetionate		 	RESTRICTED Consultant Ophthalmologist only
0.1% eye drops			
Vancomycin (ophthalmic)	U	 	RESTRICTED gram positives, including MRSA but not VRE NOT STOCKED
5% eye drops			
Natamycin	U	 	RESTRICTED fungal keratitis, conjunctivitis, fungal blepharitis
5% eye drops			
11.3.3 Antivirals			
Aciclovir		 	
3% eye ointment			
Trifluorothymidine	U	 	
1% eye drops			

11.4 Corticosteroid & other anti-inflammatory preparations		GMMMG
		NICE TA229
		NICE TA301
		NICE TA349
		NICE TA460
11.4.1 Corticosteroids		
Betamethasone 0.1% eye drops & ointment	  	
Dexamethasone 0.1% eye drops & minims	  	
Dexamethasone (Intravitreal implant) 700micrograms intravitreal implant	     	RESTRICTED as per NICE TA229; TA349 & TA460
Fluocinolone Acetonide 190micrograms intravitreal implant	     	RESTRICTED as per NICE TA301 and uveitis (off-label)
Prednisolone 0.5% eye drops; 1% eye drops; 0.5% minims	  	
Fluorometholone 0.1% eye drops	  	
Triamcinolone Acetonide (Triesence®) 40mg/mL injectable suspension	   	RESTRICTED uveitis; sympathetic ophthalmia
Corticosteroids preparations with antibiotics		
Betamethasone / Neomycin Sulphate 0.1% / 0.5% eye drops (Betnesol-N®)	  	
Dexamethasone / Neomycin Sulphate / Polymyxin B Sulphate 1 mg/mL : 3500 IU/mL : 6000 IU/mL (Maxitrol® eye drops & ointment)	  	
11.4.2 Other anti-inflammatory preparations		
Sodium Cromoglicate 2% eye drops	  	
Antazoline with Xylometazoline 0.5% eye drops	  	
Azelastine 0.05% eye drops	  	RESTRICTED allergic conjunctivitis, children only
Lodoxamide 0.1% eye drops	  	RESTRICTED allergic conjunctivitis
Olopatadine 1mg/mL eye drops	   	RESTRICTED Seasonal allergic conjunctivitis
Potassium Ascorbate  10% eye drops	  	RESTRICTED for management of chemical burns to the cornea


11.5 Mydriatics & cycloplegics		GMMMG
Antimuscarinics		
Atropine Sulphate 1% minims	  	
Cyclopentolate Hydrochloride 1% eye drops, 0.5%, 1% minims	  	
Tropicamide 0.5%, 1% eye drops, 0.5%, 1% minims	  	
Sympathomimetics		
Phenylephrine Hydrochloride 2.5%, 10% minims	  	10% contraindicated in children & the elderly
Sympathomimetics with tropicamide		
Phenylephrine Hydrochloride with Tropicamide Mydriaser® - 5.4mg / 280micrograms ophthalmic insert	  	RESTRICTED Pre-operative mydriasis in cataract patients

11.6 Treatment of glaucoma







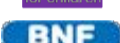

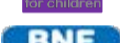

GMMMG

NICE CG85

Beta-blockers

Timolol	  
0.25%, 0.5% eye drops	
Timolol once daily	  
0.25%, 0.5% long-acting ophthalmic gel	
Betaxolol	  
0.25%, 0.5% eye drops, 0.25% minims	
Levobunolol Hydrochloride	  
0.5% eye drops	

Prostaglandin analogues and prostamides

Travoprost	 MMC  
40 microgram/mL eye drops	
Latanoprost	  
50 microgram/mL eye drops	
Latanoprost (preservative free)	 MMC  
50 microgram/mL preservative free eye drops	
Bimatoprost	 MMC  
100 microgram/mL eye drops	





















Prostaglandin analogues (combination products)

Bimatoprost / Timolol (Ganfort®)	MMC  
100microgram/mL / 0.5% eye drops	

Sympathomimetics

Brimonidine Tartrate	 MMC  
0.2% eye drops	
Apraclonidine	  
0.5% eye drops	

RESTRICTED to delay laser treatment / surgery in uncontrolled glaucoma

Carbonic anhydrase inhibitors & systemic drugs		
Acetazolamide 250mg tablets; Diamox SR® 250mg capsules	  	
Brinzolamide 10mg/mL eye drops	  	
Dorzolamide 2% eye drops; also preservative free	  	
Dorzolamide / Timolol (Cosopt®) 2% eye drops; also preservative free	  	
Brinzolamide / Brimonidine (Simbrinza®) 2% eye drops	MMC  	RESTRICTED glaucoma patients in whom monotherapy provides insufficient IOP reduction
Miotics		
Pilocarpine 1%, 2%, 4% eye drops, 2% minims	  	
Pilocarpine 4% ophthalmic gel	  	

11.7 Local anaesthetics



Ocular Local anaesthetics

Lidocaine (Lignocaine) and Fluorescein (minims)

4% / 0.25% eye drops



Oxybuprocaine (minims)

0.4% eye drops



Proxymetacaine (minims)



































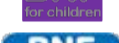


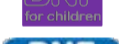


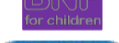



























0.5% eye drops






























Tetracaine (Amethocaine) (minims)


1%, 2% eye drops



11.8 Miscellaneous ophthalmic preparations		GMMMG	
Other preparations		NICE TA369	
Ciclosporin (eye)	U	  	RESTRICTED Consultant Ophthalmologist only
2% eye drops			
Ciclosporin (Ikervis®)		    	RESTRICTED Consultant Ophthalmologist only in line with NICE TA369
1mg/mL eye drops			
Sodium Chloride	U	  	
5% eye drops			
Botulinum toxin type A		   	RESTRICTED Consultant Ophthalmologist only
Xeomin® solution for injection			
11.8.1 Tear deficiency, ocular lubricants & astringents			
Hypromellose		   	
0.3% eye drops			
Carbomers (Viscotears®)		   	
0.2% eye drops			
Polyvinyl alcohol (Liquifilm Tears®)		   	
1.4% eye drops			
Hydroxyethylcellulose (Minims® Artificial Tears)		  	
eye drops			
Carmellose Sodium (Celluvisc®)		  	
0.5% eye drops			
Liquid Paraffin (Lacri-Lube®)		  	
ointment			
Acetylcysteine (Ilube®)	U	  	
5% eye drops			
Sodium Chloride (minims)		  	
0.9% eye drops			
Sodium Hyaluronate (Hyo-Forte®)		   	
0.2% eye drops			
Alteplase		   	RESTRICTED Consultant Ophthalmologist only
25microgram in 0.1mL Intravitreal injection			
11.8.2 Ocular diagnostic & peri-operative preparations & photodynamic treatment		NICE TA155	
Ocular diagnostic preparations		NICE TA274	
Fluorescein Sodium		  	
1%; 2% preservative free eye drops			
Ocular peri-operative drugs			
Ketorolac Trometamol		  	RESTRICTED Consultant Ophthalmologist only
0.5% eye drops			
Apraclonidine		  	RESTRICTED Consultant Ophthalmologist only
0.5% eye drops; 1% preservative free eye drops			
Acetylcholine Chloride		  	RESTRICTED Consultant Ophthalmologist only
1% intraocular irrigation			
Bromfenac (Yellox®)		  	RESTRICTED Consultant only for pseudophakic CMO
0.9 mg/mL eye drops			
Nepafenac (Nevanac®)		  	RESTRICTED. 1st line post cataract surgery in diabetics. 2nd line CMO
1 mg/mL eye drops			

Povidone-Iodine 5% eye drops	 MMC  	RESTRICTED Consultant Ophthalmologist only
Densiron® 68 (Heavy Silicone oil) 10mL syringe	 MMC 	RESTRICTED intraocular tamponade of inferior retinal breaks
Silicone oil 1300CST injection 10mL syringe	 MMC 	RESTRICTED Consultant Ophthalmologist only
Silicone oil 5700CST injection 10mL syringe	 MMC 	RESTRICTED Consultant Ophthalmologist only
Subfoveal choroidal neovascularisation		NICE TA155
		NICE TA274
		NICE TA283
		NICE TA294
		NICE TA298
		NICE TA305
		NICE TA346
		NICE TA409
		NICE TA486
Bevacizumab 100mg in 4mL vial	 MMC  	RESTRICTED Consultant Ophthalmologist only
Ranibizumab 10mg/mL injection	  MMC  	RESTRICTED Consultant Ophthalmologist only
Verteporfin 15mg vial	 MMC  	RESTRICTED Consultant Ophthalmologist only
Aflibercept 40mg in 1mL injection	  MMC  	RESTRICTED Consultant Ophthalmologist only
Vitreomacular traction		NICE TA297
Ocriplasmin 0.5 mg in 0.2mL injection	  MMC  	RESTRICTED Consultant Ophthalmologist only

Section 12: Ear, nose & oropharynx

Supported by the 
formulary ([click here](#))

12.1 Drugs acting on the ear

- 12.1.1 Otitis externa
- 12.1.3 Removal of ear wax

12.2 Drugs acting on the nose

- 12.2.1 Drugs used in nasal allergy
- 12.2.2 Topical nasal decongestants
- 12.2.3 Nasal preparations for infection

12.3 Drugs acting on the oropharynx

- 12.3.1 Drugs for oral ulceration & inflammation
- 12.3.2 Oropharyngeal anti-infective drugs
- 12.3.4 Mouthwashes, gargles & dentifrices
- 12.3.5 Treatment of dry mouth

Trust Guidelines

Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
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NICE Guidance

No applicable NICE Guidance

GMMMG Formulary

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12.1 Drugs acting on the ear



12.1.1 Otitis externa

Astringent preparations

Aluminium Acetate



Anti-inflammatory preparations

Betamethasone Sodium Phosphate (Betnesol®)

0.1% ear drops



Prednisolone Sodium Phosphate (Predsol®)

0.5% ear drops



Anti-inflammatory with antibacterial preparations

Dexamethasone / Neomycin Sulphate (Otomize®)

0.1% / 3250u per mL ear spray



Dexamethasone / Framycetin Sulphate / Gramicidin (Sofradex®)

0.05% / 0.5% / 0.005% ear/eye drops



Flumetasone Pivalate / Clioquinol (Locorten-Vioform®)

0.02% / 1% ear drops



Hydrocortisone / Gentamicin

1% / 0.3% ear drops



Hydrocortisone / Neomycin Sulfate / Polymyxin B Sulphate (Otosporin®)

10mg per mL : 3400u per 1mL : 10,000u per 1mL (10mL ear drops)



Anti-infective preparations

Clotrimazole

1% ear drops



12.1.3 Removal of ear wax

Chlorobutanol / Arachis oil (Cerumol®)

ear drops



Olive oil ear drops








































ear drops



Sodium Bicarbonate

5% ear drops



12.2 Drugs acting on the nose		GMMMG
12.2.1 Drugs used in nasal allergy		
Antihistamines		
Azelastine Hydrochloride 140micrograms nasal spray	  	
Corticosteroids		
Beclometasone Dipropionate 50micrograms nasal spray	  	1st line use
Betamethasone Sodium Phosphate 0.1% nose drops	  	
Mometasone Furoate 50micrograms nasal spray	 MMC  	1st line use nasal polyps
Fluticasone Furoate (Avamys®) 27.5micrograms nasal spray	 MMC  	
Fluticasone Propionate / Azelastine (Dymista®) 50micrograms / 137micrograms nasal spray	 MMC  	RESTRICTED ENT referral to Primary Care NOT STOCKED
Cromoglicate		
Sodium Cromoglicate 4% nasal spray	  	
12.2.2 Topical nasal decongestants		
Sympathomimetics		
Ephedrine Hydrochloride 0.5%; 1% nasal drops	  	1st line use
Sodium Chloride 0.9% nasal drops	  	
Xylometazoline Hydrochloride 0.1% nasal drops	  	
Antimuscarinics		
Ipratropium Bromide 0.03% nasal spray	  	Rhinorrhoea associated with allergic & non-allergic rhinitis
12.2.3 Nasal preparations for infection		
Chlorhexidine Dihydrochloride / Neomycin (Naseptin®) 0.1% / 0.5% nasal cream	  	1st line use staphylococcal infections
Mupirocin (Bactroban Nasal®) 2% nasal ointment	  	RESTRICTED only if MRSA has been identified

12.3 Drugs acting on the oropharynx



12.3.1 Drugs for oral ulceration & inflammation

Local Analgesics

Benzydamine Hydrochloride

0.15% oral rinse; 0.15% spray

BNF
for children



Carmellose Sodium

30g protective paste

BNF
for children



Corticosteroids

Hydrocortisone

BNF
for children



12.3.2 Oropharyngeal anti-infective drugs

Oropharyngeal fungal infections

Nystatin

100,000 units/mL oral suspension

BNF
for children



Amphotericin

BNF
for children



Miconazole

2% oral gel

BNF
for children



12.3.4 Mouthwashes, gargles & dentifrices

Chlorhexidine Gluconate

0.2% mouthwash

BNF
for children



12.3.5 Treatment of dry mouth

Local treatment

AS Saliva Orthana®

BNF
for children



BioXtra®

oral gel

BNF
for children



Systemic treatment

Pilocarpine


5mg tablets

BNF
for children



RESTRICTED Consultant use only
following irradiation for head & neck
cancer

Section 13: Skin

Supported by the 
formulary ([click here](#))

13.2 Emollient & barrier preparations

13.2.1 Emollients

13.2.2 Barrier preparations

13.3 Topical local anaesthetics & antipruritics

13.4 Topical corticosteroids

13.5 Preparations for eczema & psoriasis

13.5.1 Preparations for eczema

13.5.2 Preparations for psoriasis

13.5.3 Drugs affecting the immune response

Cytokine Modulators

13.6 Acne & Rosacea

13.6.1 Topical preparations for acne

13.6.2 Oral preparations for acne

13.7 Preparations for warts & calluses

13.8 Sunscreens & camouflagers

13.8.1 Sunscreen preparations

Photodamage

13.9 Shampoos & other preparations for scalp/hair conditions

13.10 Anti-infective skin preparations

13.10.1 Antibacterial preparations

13.10.2 Antifungal preparations

13.10.3 Antiviral preparations

13.10.4 Parasitocidal preparations

13.10.5 Preparations for minor cuts & abrasions

13.11 Skin cleansers, antiseptics & desloughing agents

13.11.1 Alcohols & saline

13.11.2 Chlorhexidine salts

13.11.4 Iodine

13.11.6 Oxidisers & dyes

13.11.7 Desloughing agents

13.12 Antiperspirants

13.13 Topical circulatory preparations

13.14 Miscellaneous preparations

Trust Guidelines

[Adult medicines and prescribing guidelines](#)
[Paediatric medicines and prescribing guidelines](#)
[Neonatal guidelines \(link to Staffnet site\)](#)
[Non-formulary Conversion Table](#)




































NICE Guidance

[Atopic eczema in children \(CG57\)](#)
[Surgical site infection \(CG74\)](#)
[Psoriasis \(CG153\)](#)
[Pressure Ulcers \(CG179\)](#)
[Pubic lice CKS \(2011\)](#)
[Scabies CKS \(2011\)](#)
[Acne vulgaris CKS \(2014\)](#)
[Head lice CKS \(2015\)](#)
[Atopic dermatitis \(eczema\) - topical steroids \(TA81\)](#)
[Atopic dermatitis \(eczema\) - pimecrolimus and tacrolimus \(TA82\)](#)
[Psoriasis - efalizumab and etanercept \(TA103\)](#)
[Psoriasis - infliximab \(TA134\)](#)
[Psoriasis - adalimumab \(TA146\)](#)
[Alitretinoin for the treatment of severe chronic hand eczema \(TA177\)](#)
[Psoriasis - ustekinumab \(TA180\)](#)
[Melanoma \(stage III or IV\) - ipilimumab \(TA268\)](#)
[Melanoma \(BRAF V600 mutation positive, unresectable metastatic\) - vemurafenib \(TA269\)](#)
[Ustekinumab for treating active psoriatic arthritis \(rapid review of TA313\) \(TA340\)](#)
[Secukinumab for treating moderate to severe plaque psoriasis \(TA350\)](#)
[Adalimumab for treating moderate to severe hidradenitis suppurativa \(TA392\)](#)
[Nivolumab in combination with ipilimumab for treating advanced melanoma \(TA400\)](#)
[Apremilast for treating moderate to severe plaque psoriasis \(replaces TA368\) \(TA419\)](#)
[Apremilast for treating active psoriatic arthritis \(TA433\)](#)
[Ixekizumab for treating moderate to severe plaque psoriasis \(TA442\)](#)
[Adalimumab, etanercept and ustekinumab for treating plaque psoriasis in children and young people \(TA455\)](#)
[Dimethyl fumarate for treating moderate to severe plaque psoriasis \(TA475\)](#)

EMA (efalizumab)

GMMM Formulary

[Formulary Homepage](#)
[Chapter 13: Skin \(Complete\)](#)
[GMMM Adult Red/Amber/Green Drug List](#)
[GMMM Paediatric Red/Amber/Green Drug List](#)

13.2 Emollient & barrier preparations		GMMMG
13.2.1 Emollients		
Non-Proprietary emollient preparations		
Aqueous cream	  	
Emulsifying ointment	  	
Liquid & white soft paraffin	  	
Paraffin, white soft	  	
Paraffin, yellow soft	  	
Proprietary emollient preparations		
Diprobase®	  	
Doublebase®	  	
Hydromol®	 MMC  	
Oilatum®	  	
Preparations containing urea		
Balneum® Plus	  	
With antimicrobials		
Dermol® & Dermol® 500	 MMC  	RESTRICTED patients unable to tolerate 1st / 2nd line antimicrobial washes
13.2.1.1 Emollient bath and shower preparations		
Balneum® & Balneum Plus®	  	
Oilatum®	  	
With antimicrobials		
Dermol® 600	  	
Oilatum® Plus	  	2nd line MRSA decolonisation therapy
13.2.2 Barrier preparations		
Proprietary barrier preparations		
Metanium®	  	2nd line only at parental request
Sudocrem®	  	2nd line only at parental request




















































13.3 Topical local anaesthetics & antipruritics**13.3 Topical local anaesthetics & antipruritics**

Crotamiton



Mepyramine Maleate (2% w/w)



13.4 Topical corticosteroids		GMMMG
Corticosteroid only preparations		NICE TA81
HYDROCORTISONE		Potency
Canesten HC® (hydrocortisone 1% plus clotrimazole 1%)	  	Mild
Daktacort® (hydrocortisone 1%, miconazole nitrate 2%)	  	Mild
Eurax-Hydrocortisone® (hydrocortisone 0.25%, crotamiton 10%)	  	Mild
Fucidin H® (hydrocortisone 1%, fusidic acid 1%)	  	Mild
BETAMETHASONE ESTERS		Potency
Betamethasone valerate 0.025% (ointment, cream)	  	Moderate
Betnovate-RD® (Betamethasone valerate 0.025%)	  	Moderate
CLOBETASONE BUTYRATE		Potency
Eumovate® (Clobetasone Butyrate)	  	Moderate
BETAMETHASONE ESTERS		Potency
Betamethasone valerate 0.1% (ointment, cream, lotion, scalp lotion)	  	Potent
Betnovate® (Betamethasone valerate 0.1%)	  	Potent
Betnovate-C® (Betamethasone valerate 0.1% plus clioquinol 3%) (cream, ointment)	  	Potent
Betnovate-N® (Betamethasone valerate 0.1% plus neomycin 0.5%) (cream, ointment)	  	Potent
Diprosalic® (Betamethasone dipropionate 0.05%, salicylic acid 3% (ointment)	  	Potent
Fucibet® (Betamethasone valerate 0.1% plus fusidic acid 2%) (cream)	  	Potent
Betnovate ointment 25% in coal tar	  	Potent
CLOBETASOL PROPIONATE		Potency
Dermovate® (clobetasol propionate 0.05%) (ointment, cream, lotion, scalp lotion)	  	Very potent
Dermovate NN® (clobetasol propionate 0.05% plus neomycin plus nystatin) (cream)	  	Very potent
Etrivex® (clobetasol propionate)	  	Very potent

DERMATOLOGY ONLY

Primary Care referral

MMC

13.5 Preparations for eczema & psoriasis



13.5.1 Preparations for eczema

NICE TA177

Alitretinoin **Red** (chronic hand eczema)

RESTRICTED Dermatology
Consultants only

13.5.2 Preparations for psoriasis

Topical preparations for psoriasis

NICE CG153

NICE TA103

NICE TA134

NICE TA146

NICE TA180

NICE TA350

NICE TA419

NICE TA433

NICE TA442

NICE TA445

Calcipotriol

(Dovonex® ointment) with Betamethasone (Dovobet® 0.05% ointment)



RESTRICTED Dermatology
Consultants only

Dithranol

(Dithocream®, 0.1% & 0.25%)



RESTRICTED Dermatology
Consultants only

Salicylic acid

(Zinc & Salicylic acid paste BP (Lassar's Paste))



RESTRICTED Dermatology
Consultants only

Tacalcitol



RESTRICTED Dermatology
Consultants only

Tars

Coal tar paste BP



RESTRICTED Dermatology
Consultants only

Cocois® scalp ointment



RESTRICTED Dermatology
Consultants only

Oral retinoids for psoriasis

Acitretin **Red** (predominantly due to safety concerns in pregnancy)

RESTRICTED Dermatology
Consultants only

Dimethyl Fumarate

Dimethyl Fumarate **Red**

NICE TA475

RESTRICTED Dermatology
Consultants only in line with NICE

13.5.3 Drugs affecting the immune response

NICE TA82

Azathioprine (see also section 8.2.1)

Amber



RESTRICTED Dermatology
Consultants only

Ciclosporin (see also section 8.2.2)

Amber



RESTRICTED Dermatology
Consultants only

Methotrexate (see also sections 8.1.3 & 10.1.3)

Amber



RESTRICTED Dermatology
Consultants only

Pimecrolimus

(1% cream)



RESTRICTED Dermatology
Consultants only

Tacrolimus (specially made by SRFT)

Green



RESTRICTED Dermatology
Consultants only

Cytokine Modulators				NICE TA455
Adalimumab (see also section 10.1.3)	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology Consultants only
Certolizumab (see also section 10.1.3)	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology Consultants only in line with NICE
Etanercept (see also section 10.1.3)	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology Consultants only
Infliximab (see section 10.1.3)	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology Consultants only
Ixekizumab	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology Consultants in line with NICE
Ustekinumab (see section 10.1.3)	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology NICE TA180 & 455 / Gastro 3 rd line Crohn's
Secukinumab	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Consultants only in line with NICE
Apremilast	Red	PbR X NICE MMC BNF for children emc		RESTRICTED Dermatology Consultants in line with NICE

13.6 Acne & Rosacea



13.6.1 Topical preparations for acne

NICE CKS: Acne

For mild to moderate acne, use topical bezyl peroxide or a topical retinoid 1st line. Topical antibiotic should be reserved for patients who have not responded to other topical preparations.

Benzyol peroxide & azelaic acid

Benzoyl Peroxide (PanOxyl®)



1st line

Azelaic acid (Skinoren®)



2nd line

Topical antibacterials for acne

Clindamycin (Dalacin T®)



2nd / 3rd line

Erythromycin (Zineryt®)



2nd / 3rd line

Topical retinoids & related preparations for acne

Adapalene (Differin®)



1st line

Tretinoin



1st line

Topical retinoids with antibacterial

Isotretinoin (Isotrexin®)



RESTRICTED Dermatology Consultants only

13.6.2 Oral preparations for acne

NICE CKS: Acne

Oral antibiotics should be reserved for moderate to severe acne or where topical preparations have failed. Please refer to chapter 5.

Lymecycline (see also section 5.1.3)



RESTRICTED GP referral only

Hormone treatment for acne

Co-cyprindiol

















RESTRICTED GP referral only
















Oral retinoid for acne

















Isotretinoin Red (due to safety concerns in pregnancy)



RESTRICTED Dermatology Consultants only

13.7 Preparations for warts & calluses		
13.7 Preparations for warts & calluses		
Salicylic acid	  	
Silver Nitrate	  	RESTRICTED Dermatology Consultants only
Anogenital warts		
Podophyllotoxin	  	1st line
Imiquimod (5% cream)	   	RESTRICTED GUM Consultant only

13.8 Sunscreens & camouflagers		GMMMG
13.8.1 Sunscreen preparations		
Photodamage		
Methyl 5-Aminolevulinate cream	   	RESTRICTED Dermatology Consultants & Vulval Intraepithelial Neoplasia (VIN) only
Diclofenac Sodium (Solaraze®) 3% gel	  	RESTRICTED Dermatology Consultants
Fluorouracil 0.5% / salicylic acid 10% cutaneous solution (Actikerall®)	   	RESTRICTED Dermatology Consultants moderately thick hyperkeratotic actinic keratosis (grade I/II)
Ingenol Mebutate (Picato®)	   	RESTRICTED Dermatology Consultants for recommendation to GP's / not stocked

13.9 Shampoos & other preparations for scalp / hair conditions		GMMMG
Shampoos		
Ketoconazole (Nizoral®)	  	RESTRICTED persistent / severe seborrhoeic dermatitis / dandruff
Capasal® (contains coal tar 1%, coconut oil 1% &, salicylic acid 0.5%)	  	RESTRICTED Dermatology Consultants only
Ceanel Concentrate® (cetrimide 10%, undecenoic acid 1% & phenylethyl alcohol 7.5%)	  	RESTRICTED Dermatology Consultants only
Other scalp preparations		
Polytar®	  	
Hirsutism		
Eflornithine (Vaniqa® 11.5% cream)	   	RESTRICTED Dermatology Consultants only

13.10 Anti-infective skin preparations



13.10.1 Antibacterial preparations

Topical antibacterials should generally be avoided for the treatment of infections

13.10.1.1 Antibacterial preparations only used topically

Mupirocin	 	
Fusidic acid	 	RESTRICTED superficial impetigo
Metronidazole	 	RESTRICTED topical treatment of rosacea
Silver Sulfadiazine	 	RESTRICTED Treatment & prophylaxis of infected burns

13.10.2 Antifungal preparations

Amorolfine (5% nail lacquer)	 MMC 	1st line antifungal for finger & toenail infections
Benzoic acid ointment, compound, BP (benzoic acid 6%, salicylic acid 3%, in emulsifying ointment)	 	1st line treatment of ringworm
Clotrimazole (1% cream)	 	1st line fungal skin infections
Miconazole Nitrate (2% cream)	 	2nd line fungal skin infections
Terbinafine (1% cream)	 	2nd line fungal skin infections

13.10.3 Antiviral preparations

Aciclovir 5% cream	 	1st line
--------------------	----------	----------------------------

13.10.4 Parasitocidal preparations

		NICE CKS: Head lice
		NICE CKS: Pubic lice
		NICE CKS: Scabies
		Head lice guidelines
		Body & pubic lice guidelines

Malathion	 	
Permethrin	 	

13.10.5 Preparations for minor cuts & abrasions


























Proflavine cream, BPC (0.1% cream)	 	
Brulidine (0.15% w/w cream)	 	RESTRICTED Theatres only

Preparations for boils

Magnesium Sulfate (paste, BP)	 	
-------------------------------	----------	--

Skin tissue adhesive

Histoacryl®	 	RESTRICTED Theatres only
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13.11 Skin cleansers, antiseptics & desloughing agents		
13.11.1 Alcohols & saline		
Isopropyl Alcohol 70%	  	
Sodium Chloride	  	
13.11.2 Chlorhexidine salts		
Chlorhexidine Gluconate	  	
13.11.4 Iodine		
Alcoholic Iodine solution	  	
Iodine weak solution	  	
Povidone-Iodine	  	
13.11.6 Oxidisers & dyes		
Hydrogen Peroxide solution, BP (Solution 3% & Solution 6%)	  	RESTRICTED Specialist use only
Potassium Permanganate	  	RESTRICTED Specialist use only
13.11.7 Desloughing agents		
CONTACT THE TISSUE VIABILITY TEAM on x64042		

13.12 Antiperspirants



Aluminium salts

Aluminium Chloride Hexahydrate



(20% solution)



Glycopyrronium Bromide

Glycopyrronium Bromide (Robinul®)



Glycopyrrolate 0.5% cream



RESTRICTED Diabetes Consultants
only for gustatory sweating

13.13 Topical circulatory preparations











Topical circulatory preparations

Hirudoid®


(0.3% cream; 0.3% gel)



13.14 Miscellaneous preparations

8-Methoxypsoralen		 MMC  	RESTRICTED Dermatology Consultants only
Fumaric Acid Esters		 MMC  	RESTRICTED Dermatology Consultants only
Fumaderm®			
Glucarpidase	U	 MMC   	2nd line rescue therapy in patients with delayed methotrexate excretion
Voraxaze®			

Section 14: Immunological products & vaccines

Supported by the 
formulary ([click here](#))

14.4 Vaccines & antisera

- Bacillus Calmette-Guérin (BCG) vaccines
- Botulism antitoxin
- Diphtheria vaccines (children under 10yrs old)
- Diphtheria vaccines (children over 10yrs old & adults)
- Haemophilus type B conjugate vaccine
- Hepatitis A vaccine
- Hepatitis B vaccine
- Human papilloma virus vaccine
- Influenza vaccine
- Measles, Mumps & Rubella (MMR) vaccine
- Meningococcal vaccines
- Pneumococcal vaccines
- Poliomyelitis vaccines
- Rabies vaccines
- Tetanus vaccines
- Typhoid vaccines
- Varicella-zoster vaccines

14.5 Immunoglobulins

- 14.5.1 Normal immunoglobulin
- 14.5.2 Disease-specific immunoglobulins
- 14.5.3 Anti-D (Rh₀) immunoglobulin

Trust Guidelines

Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
Guidelines for the Prescribing and Administration of Intravenous Immunoglobulin
Immunoglobulin follow up form
Immunoglobulin Prescribing and Administration Guidelines
Immunoglobulin Prescribing Flow Chart
Immunoglobulin request form
National Demand Programme for Immunoglobulin - Clinical Info
[Non-formulary Conversion Table](#)

NICE Guidance

Pregnancy - routine anti-D prophylaxis for rhesus negative women (TA156)

GMMMG Formulary

Formulary Homepage
Chapter 14: Immunological products & vaccines (Complete) **IN DEVELOPMENT**
GMMMG Adult **Red/Amber/Green** Drug List
GMMMG Paediatric **Red/Amber/Green** Drug List

Other Links

National Immunoglobulin Database
DH: Clinical guidelines for immunoglobulin use (2nd edition update)
Immunoglobulin handbook (HPA)

14.4 Vaccines & antisera

Bacillus Calmette-Guérin (BCG) vaccines

Bacillus Calmette-Guérin (BCG) vaccine



Tuberculin purified protein derivative (Tuberculin PPD)



Botulism antitoxin

Botulism antitoxin injection



RESTRICTED Emergencies only

Diphtheria vaccines (children under 10yrs old)

Pediacel® and Infanrix-IPV+Hib®



Infanrix-IPV®



Repevax®



Diphtheria vaccines (children over 10yrs old & adults)

Revaxis®



Haemophilus type B conjugate vaccine

Haemophilus Influenzae B vaccine

(Hiberix®)



Haemophilus Influenzae B & Meningitis C vaccine

(Menitorix®)



Hepatitis A vaccine

Hepatitis A vaccine single component

(Havrix Monodose®) (Havrix Junior Monodose®) (Vaqta® Paediatric)



Hepatitis B vaccine

Hepatitis B single component

(Engerix B®) & (Engerix B® Paediatric)



Hepatitis B single component

(HBvaxPRO®) & (HBvaxPRO® Paediatric)



Human papilloma virus (HPV) vaccine

Human Papilloma Virus (HPV) quadrivalent vaccine

(Gardasil®)



RESTRICTED to Consultant Paediatric Immunologist

Influenza vaccine

Influenza vaccine



Measles, Mumps & Rubella (MMR) vaccine

Measles, Mumps & Rubella vaccine



Meningococcal vaccines

Meningococcal Polysaccharide A, C, W135 & Y vaccine



Meningococcal group B vaccine



















(Bexsero®)



RESTRICTED to childhood immunisation schedule & high risk patients

Meningococcal group C vaccine



<i>Pneumococcal vaccines</i>		
Pneumococcal Polysaccharide vaccine	  	
<i>Poliomyelitis vaccines</i>		
Poliomyelitis vaccine inactivated	  	
<i>Rabies vaccines</i>		
Rabies vaccine inactivated (Rabipur®)	  	RESTRICTED Not Stocked
<i>Tetanus vaccines</i>		
Tetanus vaccine adsorbed	  	
<i>Typhoid vaccines</i>		
Typhoid polysaccharide vaccine (Typhim Vi®)	  	
<i>Varicella-zoster vaccines</i>		
Varicella-Zoster live attenuated vaccine (Varivax®)	  	

14.5 Immunoglobulins

14.5.1 Normal immunoglobulin Red (for ITP & home treatment programmes)

For intramuscular use

Normal Immunoglobulin injection

PbR X

BNF
for children

BNF

emc+

RESTRICTED Specialist use only

For subcutaneous use

Normal Immunoglobulin injection

PbR X

MMC

BNF
for children

BNF

emc+

RESTRICTED Specialist use only

For intravenous use

Human normal Immunoglobulin

PbR X

MMC

BNF
for children

BNF

emc+

RESTRICTED Specialist use only

14.5.2 Disease-specific immunoglobulins

Hepatitis B immunoglobulin

Hepatitis B Immunoglobulin

BNF
for children

BNF

emc+

RESTRICTED Not Stocked

Tetanus immunoglobulin

Tetanus Immunoglobulin

BNF
for children

BNF

emc+

Varicella-Zoster immunoglobulin

Varicella-Zoster Immunoglobulin

GreenBNF
for children

BNF

emc+

RESTRICTED Not Stocked

Cytomegalovirus (CMV) immunoglobulin

Human normal Immunoglobulin (CMV)

MMC

BNF
for children

BNF

emc+

RESTRICTED Specialist use only

14.5.3 Anti-D (Rh0) immunoglobulin

Anti-D (Rh₀) Immunoglobulin

NICE


BNF
for children

BNF

emc+

NICE TA156

Section 15: Anaesthesia

Supported by the 
formulary ([click here](#))

15.1 General anaesthesia

- 15.1.1 Intravenous anaesthetics
- 15.1.2 Inhalational anaesthetics
- 15.1.3 Antimuscarinic drugs
- 15.1.4 Sedative & analgesic post-operative drugs
 - 15.1.4.1 Benzodiazepines
 - 15.1.4.2 Non-opioid analgesics
 - 15.1.4.3 Opioid analgesics
 - 15.1.4.4 Other drugs for sedation
- 15.1.5 Neuromuscular blocking drugs
 - Non-depolarising neuromuscular blocking drugs
 - Depolarising neuromuscular blocking drugs
- 15.1.6 Drugs for reversal of neuromuscular blockade
 - Anticholinesterases
 - Other drugs for reversal of neuromuscular blockade
- 15.1.7 Antagonists for central & respiratory depression
- 15.1.8 Drugs for malignant hyperthermia

15.2 Local anaesthesia

- Local Anaesthetic Toxicity
- Other agents

Trust Guidelines

Adult medicines and prescribing guidelines
Paediatric medicines and prescribing guidelines
Neonatal guidelines (link to Staffnet site)
Paediatric Anaesthesia Website
Children's Pain Management Website
PICU Emergency Drugs Calculator
[Non-formulary Conversion Table](#)

NICE Guidance

Sedation in children and young people (CG112)

GMMMG Formulary

Formulary Homepage
Chapter 15: Anaesthesia (Complete) **IN DEVELOPMENT**
GMMMG Adult **Red/Amber/Green** Drug List
GMMMG Paediatric **Red/Amber/Green** Drug List







15.1 General anaesthesia

15.1.1 Intravenous anaesthetics





Etomidate			 BNF	
Ketamine	Amber (Palliative Care)	Red (chronic pain)	 BNF	
Propofol		MMC	 BNF	
Thiopental Sodium			 BNF	

15.1.2 Inhalational anaesthetics

Volatile liquid anaesthetics

Isoflurane		MMC	 BNF		
Sevoflurane			 BNF		
Desflurane		MMC	 BNF		RESTRICTED Theatres only

Nitrous oxide

Nitrous Oxide			 BNF	
Nitrous Oxide 50% & Oxygen 50% (Entonox®)			 BNF	









15.1.3 Antimuscarinic drugs

Atropine Sulfate (adults 600microgram/1mL I.M. or I.V.)			 BNF	
Glycopyrronium Bromide (adults 200-400microgram I.V.)			 BNF	
Hyoscine Hydrobromide			 BNF	





15.1.4 Sedative & analgesic post-operative drugs


































NICE CG112
















































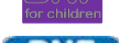




15.1.4.1 Benzodiazepines




























Diazepam (see also sections 4.1.2 & 4.8.2)			 BNF	
Lorazepam (see also sections 4.1.2 & 4.8.2)			 BNF	
Midazolam (see also section 4.8.2)	Green buccal		 BNF	
Temazepam (see also section 4.1.1)			 BNF	

15.1.4.2 Non-opioid analgesics

Ketorolac Trometamol (I.M. or I.V. injection)		MMC	 BNF		
Parecoxib (I.M. or I.V. injection)		MMC	 BNF		RESTRICTED Theatres only - acute postoperative pain

15.1.4.3 Opioid analgesics		
Alfentanil	  	
Fentanyl (see also section 4.7.2)	  	
Remifentanil	 MMC  	RESTRICTED specialist use only
15.1.4.4 Other drugs for sedation		
Dexmedetomidine	 MMC  	RESTRICTED ICU only
15.1.5 Neuromuscular blocking drugs		
Non-depolarising neuromuscular blocking drugs		
Atracurium Besilate	  	
Cisatracurium	 MMC  	RESTRICTED Consultant only
Mivacurium	  	
Rocuronium Bromide	  	
Vecuronium Bromide	  	
Depolarising neuromuscular blocking drugs		
Suxamethonium Chloride	  	
15.1.6 Drugs for reversal of neuromuscular blockade		
Anticholinesterases		
Neostigmine Metilsulfate	  	
Neostigmine Metilsulfate with Glycopyrronium Bromide	  	
Other drugs for reversal of neuromuscular blockade		
Sugammadex	 MMC  	RESTRICTED - Consultant (Emergency) use in Theatres only
15.1.7 Antagonists for central & respiratory depression		
Doxapram Hydrochloride (see also section 3.5.1)	  	
Flumazenil	  	
Naloxone Hydrochloride	  	
15.1.8 Drugs for malignant hyperthermia		
Dantrolene Sodium	  	

15.2 Local anaesthesia	AAGBI SAFETY GUIDELINE
15.2 Local anaesthesia	
Lidocaine Hydrochloride	
Lidocaine 0.5%, 1% & 2% injection	  
with adrenaline	
Lidocaine 1% with Adrenaline, 2% with Adrenaline	  
for surface anaesthesia	
Lidocaine 2% gel (Instillagel®)	  
Lidocaine 2.5% with Prilocaine 2.5% cream (EMLA®)	  
Lidocaine 4% topical solution	  
Lidocaine 4% (160mg/4mL) jet spray (Laryngojet®)	  
Lidocaine 5% ointment	  
Lidocaine 10% oral spray (Xylocaine®)	  
Bupivacaine Hydrochloride	
Bupivacaine 0.25% Infusion (500mL)	  
Bupivacaine 0.5% Injection (Marcain Heavy®)	  
with adrenaline	
Bupivacaine 0.25% + Adrenaline 1:200,000 injection	  
Bupivacaine 0.5% + Adrenaline 1:200,000 injection	  
with other ingredients	
Bupivacaine 0.125% + Fentanyl 1mg/500mL infusion	  
Bupivacaine 0.08% in Sodium Chloride 0.9%	  
Bupivacaine 20mg in Glucose 320mg/4mL spinal injection	  
Levobupivacaine	
Levobupivacaine (Chirocaine®)	   
Levobupivacaine 0.1% & Fentanyl 2microgram/mL	  

Prilocaine Hydrochloride		
Prilocaine 1% injection (Citanest®)	  	
Prilocaine 3% Felypressin cartridges (Citanest with Octapressin®)	  	
Ropivacaine Hydrochloride		
Ropivacaine	 MMC  	For Consultant use on CDU (elective CS), Theatre 1 (ortho) & wards 1 & 2 (following surgery in Theatre 1)
Tetracaine (Amethocaine)		
Tetracaine 4% gel	 MMC  	RESTRICTED children under 1yr by specific doctor request or /IV team
Local Anaesthetic Toxicity		
Intralipid 20%	  	AAGBI SAFETY GUIDELINE
Other agents		
Cocaine 5% solution	  	
Ethyl Chloride spray	  	
Mepivacaine Hydrochloride	  	
Neomycin Sulfate / Fluocinolone Acetonide / Lidocaine Hydrochloride (Nefluan® gel)	 MMC  	RESTRICTED Paediatrics. Unlicensed product. intra-urethral steroid ointment