

MFT TRUST FORMULARY

Manchester University
NHS Foundation Trust

Oxford Road Campus & Trafford

	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
Section 16:	Miscellaneous

Version 7.2.7 (September 2020)

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, DNP & Grey list

Paediatric RAG, DNP & Grey 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

Do Not Prescribe:

DNP

Products which have been reviewed by the GM Formulary & Managed Entry Subgroup and have been deemed not suitable for prescribing for adults and children in primary or secondary care within Greater Manchester (in addition to all medicines with a “not NHS” or “DLCV” classification in the BNF, those agents with a NICE “Do not do” recommendation, and those agents included in the NHS England: “Items which should not routinely be prescribed in primary care” guidance).

MMC Medicines Management Committee decision tables



Summary of Product Characteristics



blueiteq Enabled Forms



British National Formulary (BNF)



Controlled Drug



British National Formulary for Children (BNFC)



High Cost Medicine



NICE guidance



Payment by Results high cost excluded drug

PCT Guidelines

Greater Manchester Medicines Management Group FORMULARY



GMMMG Adult **Red/Amber/Green**; DNP and Grey Drug List

GMMMG Paediatric **Red/Amber/Green**; DNP and Grey Drug List

GMMMG Approved Shared Care Guidelines

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 Human Medicines

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)

NHS Evidence

NICE Pathways

Scottish Medicines Consortium (SMC)

Specialist Pharmacist Service (SPS)

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

Biosimilar Medicines (KTT15)
Coeliac disease: recognition, assessment and management (NG20)
Faecal Incontinence (CG49)
Irritable Bowel Syndrome (CG61)
Diarrhoea and vomiting in children under 5 (CG84)
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)
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)
Tofacitinib for moderately to severely active ulcerative colitis (TA547)
Darvadstrocel for treating complex perianal fistulas in Crohn's disease (TA556)
Ustekinumab for treating moderately to severely active ulcerative colitis (TA633)

GMMM Formulary

Formulary Homepage
Chapter 1: Gastro-Intestinal system (Complete)
GMMM Adult [Red](#)/[Amber](#)/[Green](#); DNP and [Grey](#) Drug List
GMMM Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

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

1.2 Anti-spasmodics & other drugs altering gut motility		GMMMG
Antimuscarinics		
Hyoscine Butylbromide	 	
10mg tablets; 20mg/1mL injection		
Glycopyrronium Bromide	 	
Sialanar® 400micrograms/mL oral solution	  	
Other Antispasmodics		
Mebeverine Hydrochloride	 	1 st line use
135mg tablets		
Peppermint oil	 	
capsules		
Motility Stimulants		
Metoclopramide	 	1 st line use
10mg tablets (see also section 4.6)		
Domperidone	 	Use where 1 st line unsuitable
Green		 
10mg tablets (see also section 4.6)		

1.3 Antisecretory drugs & mucosal protectants



1.3.1 H₂-receptor antagonists

Ranitidine

150mg; 300mg tablets



1.3.3 Chelates & Complexes

Sucralfate

1g tablets; oral suspension (restricted Wythenshawe)



Bismuth Subsalicylate (*Pepto-Bismol*®)

262.5mg chewable tablets



RESTRICTED
Adults, H. Pylori eradication regime

1.3.5 Proton Pump Inhibitors

Omeprazole

10mg; 20mg; 40mg capsules



Lansoprazole

15mg; 30mg capsules



Other PPIs are not available at this Trust

1.4 Acute diarrhoea		GMMMG
1.4.2 Antimotility Drugs		
Loperamide hydrochloride		1 st line use
2mg capsules; 1mg/5mL syrup ^{SF}	  	
Codeine Phosphate		RESTRICTED Adults - high output stomas
15mg; 30mg & 60mg tablets	 	
Eluxadoline		RESTRICTED Gastro. Consultants only in line with NICE
	   	
75mg; 100mg tablets		

1.5 Chronic bowel disorders		
1.5.1 Aminosalicylates		
Mesalazine		PRESCRIBE BY BRAND NAME
tablets; M/R tablets; M/R granules; enema; foam enema; suppositories	 BNF 	
Balsalazide Sodium		
750mg capsules	MMC  BNF 	
1.5.2 Corticosteroids & Enemas		
Prednisolone		1st line use
5mg tablets	 BNF 	
Budesonide (<i>Budenofalk</i> ®)		
3mg capsules	MMC  BNF 	
Budesonide (<i>Jorveza</i> ®)		RESTRICTED Adults - eosinophilic esophagitis
1mg orodispersible tablets	MMC  BNF 	
Budesonide		RESTRICTED Adults - Gastro. Consultants only
3mg CR capsules	MMC  BNF 	
Hydrocortisone		
foam enema	 BNF 	
Short chain fatty acid enema		RESTRICTED Adults - Gastro. Consultants only
 Nutricol® enema	MMC  BNF 	
1.5.3 Drugs Affecting the Immune Response		
Azathioprine		1st line use
 tablets; oral solution (see also sections 8.2.1; 10.1.3 & 13.5.3)	 BNF 	
Ciclosporin (oral and I.V. preparations)		
 capsules; infusion; oral solution (see also section 8.2.2)	MMC  BNF 	
Mercaptopurine		
 tablets; oral suspension (see also section 8.1.3)	 BNF 	
Methotrexate (s/c and oral preparations)		
 tablets; injection; oral solution (see also section 10.1.3)	MMC  BNF 	
Vedolizumab		RESTRICTED Gastro. Consultants in line with NICE TA342 & TA352
  infusion	  MMC  BNF  	
Cytokine Modulators		
Adalimumab		RESTRICTED Gastro. Consultants for Crohn's Disease & Ulcerative colitis as per NICE
  injection (see also sections 10.1.3 & 13.5.3)	  MMC  BNF  	
Infliximab		RESTRICTED Gastro. Consultants for Crohn's Disease & Ulcerative colitis as per NICE
  infusion (see also sections 10.1.3 & 13.5.3)	  MMC  BNF  	
Golimumab		RESTRICTED Gastro. Consultants for Crohn's Disease & Ulcerative colitis as per NICE
  injection (see also sections 10.1.3)	  MMC  BNF  	
Tofacitinib		RESTRICTED Consultants only in line with NICE
  tablets (see also sections 10.1.3)	  MMC  BNF  	
Ustekinumab		RESTRICTED Gastro. Consultants as per NICE
  injection (see also sections 10.1.3)	  MMC  BNF  	
ICAM-1 Inhibitor		
Alicaforsen		RESTRICTED Gastro. Consultants only - pouchitis
 enema	MMC  BNF 	

1.6 Laxatives		
1.6.1 Bulk-forming Laxatives		
Ispaghula husk		1 st line use
3.5g sachets	 	
1.6.2 Stimulant Laxatives		
Docusate Sodium		1 st line use
capsules; oral solution	 	
Senna		1 st line use
tablets; oral solution	 	
Bisacodyl		
tablets; suppositories	 	
Glycerol		
suppositories	 	
Sodium Picosulfate		
oral solution	 	
Co-Danthramer		RESTRICTED Adults, Palliative Care only
oral suspension	 	
Co-Danthrusate		RESTRICTED Adults, Palliative Care only
oral suspension	 	
1.6.3 Faecal Softeners		
Arachis oil		
enema	 	
1.6.4 Osmotic Laxatives		
Lactulose		1 st line use
oral solution	 	
Macrogols (Polyethylene glycols)		2 nd / 3 rd line use Rehab patients / paediatrics
sachets	  	
Phosphates (Rectal)		
128mL enema	 	
Sodium Citrate (Rectal)		
450mg micro-enema	 	
1.6.5 Bowel Cleansing Preparations		NPSA alert
Sodium Picosulfate with Magnesium Citrate		1 st line use
Picolax® oral powder	 	
Macrogols (Klean-Prep® & Moviprep®) oral powder		
oral powder	 	
1.6.6 Peripheral opioid-receptor antagonists		
Methylnaltrexone Bromide		RESTRICTED Adults, Palliative Care only
injection	 	
Naloxegol		RESTRICTED Adults only in line with TA345
12.5mg; 25mg tablets	   	
1.6.7 Other drugs used in constipation		
Prucalopride		RESTRICTED - Adult women, Gastro. Consultants only
1mg; 2mg tablets	   	
Linaclootide		RESTRICTED - 3 rd line use Adults Gastro. Consultants only
 290 micrograms capsules	  	

1.7 Local preparations for anal & rectal disorders		GMMMG
1.7.2 Compound Haemorrhoidal Preparations with Corticosteroids		
Anusol®	 	
ointment		
Proctosedyl®	 	
ointment		
Scheriproct®	 	
ointment; suppositories		
1.7.4 Management of anal fissures		
Glyceryl Trinitrate		1 st line for anal fissure
Rectogesic® 0.4% ointment	  	
Diltiazem Hydrochloride		
	 	
2% cream; ointment		

1.9 Drugs affecting intestinal secretions



1.9.1 Drugs affecting biliary composition & flow

Ursodeoxycholic acid

1st line use

150mg tablets



Obeticholic acid



RESTRICTED Hepatology
Consultants only 2nd line per TA443

Ocaliva® 5mg; 10mg tablets



1.9.2 Bile acid sequestrants

Colestyramine

1st line use

powder 4g sachet (see also section 2.12)



Colesevelam Hydrochloride

Green

RESTRICTED adults. Gastro & Lipid
Clinic Consultants only

625mg tablets (see also section 2.12)



1.9.4 Pancreatin

Pancreatin

capsules



1.10 Miscellaneous preparations

Glucarpidase



Voraxaze® 1,000 unit injection (see also sections 8.4, 10.4 & 13.14)

PbR X

MMC



RESTRICTED
2nd line rescue therapy

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

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)
Rivaroxaban for preventing atherothrombotic events in people with coronary or peripheral artery disease (TA607)

GMMM Formulary

Formulary Homepage
Chapter 2: Cardiovascular system (Complete)
GMMM Adult [Red](#)/[Amber](#)/[Green](#); DNP and Grey Drug List
GMMM Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

2.1 Positive inotropic drugs		GMIMG
2.1.1 Cardiac Glycosides		
Digoxin		1 st line use
tablets; elixir; injection	 	
Digoxin-specific antibody		
	 	
infusion		
2.1.2 Phosphodiesterase Inhibitors		
Enoximone		
Perfan® 5mg/1mL injection	 	
Milrinone		1 st line use Paediatrics
Primacor® 10mg/10mL injection	  	
Levosimendan		RESTRICTED adults. Cardiology ITU Consultant only
Simdax® 12.5mg/5mL Injection	  	

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

2.3 Anti-arrhythmic drugs		GM 
2.3.2 Drugs for Arrhythmias		
Adenosine		
injection	 	
Amiodarone Hydrochloride		I.V. guidelines
Amber Red	 	
tablets; injection		
Disopyramide		
capsules; tablets	 	
Flecainide Acetate		I.V. guidelines
Red Paeds - until stabilised then Green	 	
tablets; injection		
Lidocaine (Lignocaine) Hydrochloride		
injection	 	
Mexiletine		RESTRICTED adults. Neurology only
Red	 	
NaMuscla® 167mg capsules		
Mexiletine Hydrochloride		RESTRICTED adults. Cardiology / Neurology only
U	 	
Mexitil® 50mg; 100mg; 200mg capsules		
Propafenone Hydrochloride		
tablets	 	
Dronedarone		RESTRICTED adults. Cardiology Consultant only, in line with TA197
Green	 	
tablets	   	

2.4 Beta-adrenoceptor blocking drugs



NICE CG108

NICE CG127

NICE CG180

2.4 Beta-Adrenoceptor Blocking Drugs

Atenolol	  	
tablets; liquid; injection		
Bisoprolol Fumarate	   	RESTRICTED adults. Cardiology Consultant only
tablets		
Carvedilol	   	RESTRICTED adults. Cardiology Consultant only ALSO 2ND LINE FOR VARICEAL BLEED
tablets		
Esmolol Hydrochloride	  	RESTRICTED I.V. only
injection		
Etilefrine Hydrochloride	   	RESTRICTED Haematology Consultants - SCD
tablets		
Labetalol Hydrochloride	  	RESTRICTED oral preps in pregnancy
tablets; injection		
Metoprolol Tartrate	  	
tablets; injection		
Nadolol	   	RESTRICTED paed. ventricular arrhythmias in long QT syndrome
tablets		
Nebivolol	  	
tablets		
Propranolol Hydrochloride	  	RESTRICTED not in Cardiology
tablets; capsules; oral solution; injection		
Sotalol Hydrochloride	  	
tablets		

2.5 Hypertension & heart failure		
		NICE CG108
		NICE CG127
		NICE CG180
2.5.1 Vasodilator Antihypertensive Drugs		NHSE PAH
Hydralazine Hydrochloride		1 st line use
tablets; injection	 BNF 	
Minoxidil		
tablets	 BNF 	
Bosentan		RESTRICTED PAH in line with NHSE
  tablets	PbR X   	
Sildenafil		RESTRICTED PAH in line with NHSE
  Revatio® tablets; injection	  	
Macitentan		RESTRICTED PAH in line with NHSE
  Opsumit® tablets	PbR X   	
Tadalafil		RESTRICTED PAH in line with NHSE
  Adcirca® tablets	PbR X   	
2.5.2 Centrally Acting Antihypertensive Drugs		
Clonidine Hydrochloride		
tablets; oral solution; injection; patches	 BNF 	
Methyldopa		
tablets	 BNF 	
Moxonidine		RESTRICTED 3 rd line use after other treatments fail
tablets	  	
2.5.4 Alpha-Adrenoceptor Blocking Drugs		
Doxazosin		1 st line use
1mg; 2mg & 4mg tablets	 BNF 	
Phenoxybenzamine Hydrochloride		RESTRICTED adults. Specialist initiation only
10mg capsules	 BNF 	
Phentolamine Mesilate		RESTRICTED adults. Specialist use, theatres only
injection	 BNF 	
2.5.5 Drugs Affecting the Renin-Angiotensin System		
2.5.5.1 Angiotensin-Converting Enzyme (ACE) Inhibitors		
Ramipril		1 st line use
1.25mg; 2.5mg; 5mg & 10mg capsules	 BNF 	
Captopril		RESTRICTED Paediatrics only
12.5mg; 25mg & 50mg tablets	 BNF 	
Lisinopril		RESTRICTED Renal Medicine only
2.5mg; 5mg; 10mg & 20mg tablets	 BNF 	
Perindopril		
2mg; 4mg & 8mg tablets	 BNF 	

2.5.5.2 Angiotensin-II Receptor Antagonists		
Candesartan Cilexetil		1 st line use hypertension
2mg; 4mg; 8mg; 16mg & 32mg tablets	 MMC  	
Losartan Potassium		2 nd line use hypertension
12.5mg; 25mg; 50mg & 100mg tablets	  	
Irbesartan		2 nd line use hypertension
75mg;150mg & 300mg tablets	 MMC  	
Valsartan		2 nd line use hypertension
40mg;80mg & 160mg capsules	 MMC  	
Sacubitril / Valsartan		RESTRICTED use in line with NICE TA388
	   	
24mg / 26mg; 49mg / 51mg & 97mg / 103mg tablets		

2.6 Nitrates, calcium-channel blockers & other antianginals



2.6.1 Nitrates

Glyceryl Trinitrate

S/L tablets; S/L spray; patches; Injection; ointment



Isosorbide Mononitrate

tablets; capsules



2.6.2 Calcium-channel Blockers

Amlodipine

tablets; oral solution



1st choice
dihydropyridine

Diltiazem

tablets; capsules; ointment



1st choice
non-dihydropyridine
PRESCRIBE BY BRAND NAME

Nifedipine

tablets; capsules; oral drops



2nd choice
dihydropyridine
PRESCRIBE BY BRAND NAME

Verapamil Hydrochloride

tablets; injection; oral solution



2nd choice
non-dihydropyridine

Nimodipine

tablets; infusion



RESTRICTED subarachnoid
haemorrhage *I.V.* then oral

2.6.3 Other Antianginal Drugs

Nicorandil

tablets



1st line use

Ivabradine

Green

tablets



RESTRICTED adults 2nd line.
Cardiology Consultant only



Ranolazine

M/R tablets



RESTRICTED adults 3rd line angina
patients not suitable for surgery

2.6.4 Peripheral Vasodilators & Related Drugs

Naftidrofuryl Oxalate

capsules



Defibrotide

Red ££

infusion



RESTRICTED Specialist use only in
line with NHSE

NHSE Commissioning

2.7 Sympathomimetics		GMVMMG
2.7.1 Inotropic Sympathomimetics		
Dobutamine		RESTRICTED / .V. Specialist use only
infusion	 BNF 	
Dopamine Hydrochloride		RESTRICTED / .V. Specialist use only
infusion	 BNF 	
Dopexamine		RESTRICTED / .V. Specialist use only
infusion	 BNF 	
Isoprenaline		RESTRICTED / .V. Specialist use only
injection	 BNF 	
2.7.2 Vasoconstrictor Sympathomimetics		
Ephedrine Hydrochloride		RESTRICTED / .V. Specialist use only
injection	 BNF 	
Metaraminol		
 injection	 BNF 	
Midodrine		Specialist use Cardiology / Healthcare of the elderly
 tablets	MMC  BNF 	
Noradrenaline acid tartrate		RESTRICTED / .V. Specialist use only
infusion	 BNF 	
Phenylephrine Hydrochloride		RESTRICTED / .V. Specialist use only
injection	 BNF 	
2.7.3 Cardiopulmonary Resuscitation		
Adrenaline / Epinephrine		
injection	 BNF 	

2.8 Anticoagulants & protamine		GMVMMG
2.8.1 Parenteral Anticoagulants		NICE CG92
ACD-A Anticoagulant Citrate Dextrose		RESTRICTED Specialist use only CRRT
solution	MMC BNF emc	
Dalteparin Sodium		1st line LMWH
injection	MMC BNF emc	
Epoprostenol		RESTRICTED / . V. Specialist use only
infusion	PbR X BNF emc	
Heparin		See Heparin Infusion chart
injection; infusion	BNF emc	
Bivalirudin		RESTRICTED adults. Cardiac Catheter Lab only.
infusion	NICE MMC BNF emc	
Fondaparinux Sodium		RESTRICTED adults. Haematology Consultants only.
injection	MMC BNF emc	
Tinzaparin Sodium		RESTRICTED Obs & Gynae; ACS & VTE in Renal impairment only. Paeds: haemodialysis
injection	MMC BNF emc	
Enoxaparin Sodium		RESTRICTED ACS & VTE in Renal impairment only.
injection	MMC BNF emc	
Argatroban monohydrate		RESTRICTED adults. Treatment of HIT
infusion	MMC BNF emc	

2.8.2 Oral Anticoagulants

Acenocoumarol	  	RESTRICTED warfarin intolerant patients only.
tablets		
Phenindione	  	
tablets		
Warfarin Sodium	  	Warfarin dosing chart
tablets		
Dabigatran Etexilate	 capsules	RESTRICTED in line with NICE guidance
	   	
Idarucizumab	 <i>Praxbind®</i> infusion	RESTRICTED reversal of dabigatran in emergency surgery
	  	
Rivaroxaban	 tablets	RESTRICTED in line with NICE
	     	
Apixaban	 tablets	RESTRICTED in line with NICE
	   	
Edoxaban	 tablets	RESTRICTED in line with NICE
	   	
2.8.3 Protamine Sulfate		
Protamine Sulfate	  	
injection		

2.9 Antiplatelet drugs

		
		NICE CG94
Aspirin		
tablets (dispersible & E/C); suppositories	  	
Clopidogrel		For ACS patients; stroke patients intolerant of aspirin; high-risk patients who've stroked on aspirin
tablets	   	
Ticagrelor		In combination with aspirin for primary PCI in ACS patients & in line with NICE TA420
 tablets; orodispersible tablets	   	
Prasugrel		RESTRICTED adults. Cardiac Catheter Lab as per NICE
 tablets	   	
Dipyridamole		2 ^{RY} prevention of stroke in patients already on aspirin
M/R capsules; oral suspension; tablets; injection	   	
Tirofiban		RESTRICTED adults. Cardiac Catheter Lab only (1 st line)
infusion	   	
Eptifibatide		RESTRICTED adult patients admitted on this or tirofiban
injection; infusion	   	

2.10 Stable angina, ACS & fibrinolysis			
• Stable angina (BNF treatment summary)			
• Acute coronary syndromes (BNF treatment summary)			
• Fibrinolytic Drugs (BNF treatment summary)		NICE CG68	
2.10.2 Fibrinolytic Drugs		NICE CG126	
Tenecteplase			
Red			
injection		NICE	MMC BNF emc
Streptokinase			
Red			
infusion		NICE	BNF emc
Urokinase			
Red			
injection			BNF emc
Alteplase			
Red		RESTRICTED	
injection; infusion		NICE	MMC BNF emc

2.11 Antifibrinolytic drugs & haemostatics			
2.11 Antifibrinolytic Drugs & Haemostatics			
Etamsylate			
tablets	  		
Tranexamic acid			
injection; tablets	  		
Aprotinin			RESTRICTED
infusion	  		
Aminocaproic acid			RESTRICTED
sachets	   		
Emicizumab			RESTRICTED
			Haematology as per NHSE
Hemlibra® injection	   		

2.12 Lipid-regulating drugs



Statins	
Simvastatin	
tablets	NICE BNF emc
Atorvastatin	1 st line use
tablets	NICE BNF emc
Rosuvastatin	RESTRICTED Not stocked
tablets	NICE MMC BNF emc
Pravastatin Sodium	RESTRICTED MCSH for cases with potential drug interactions
tablets	NICE BNF emc
Bile Acid Sequestrants	
Colestyramine	
Green	BNF emc
sachets (see also section 1.9.2)	
Colesevelam Hydrochloride	RESTRICTED adults. Gastro & Lipid Clinic Consultants only
Green	MMC BNF emc
tablets (see also section 1.9.2)	
Fibrates	
Bezafibrate	1 st line use
M/R tablets; tablets	BNF emc
Fenofibrate	2 nd line use
micronised capsules; micronised tablets	BNF emc
Omega-3 fatty acid compounds	
Omega-3-acid ethyl esters	2 ^{RY} prevention post MI.
Green	MMC BNF emc
capsules	
Ezetimibe	
Ezetimibe	RESTRICTED adults. Lipid Clinic Consultants only
10mg tablets	NICE MMC BNF emc
Lipid-regulating drugs	
Alirocumab	RESTRICTED adults. Lipid Clinic Consultants in line with TA393
Red	PbR X NICE MMC BNF emc
Praluent® injection	
Evolocumab	RESTRICTED adults. Lipid Clinic Consultants for homozygous familial hypercholesterolemia / and use in line with TA394
Red	BNF emc
Repatha® injection	PbR X NICE MMC BNF emc
Lomitapide	RESTRICTED adults. Lipid Clinic Consultants in line with NHSE 170059P
Red	blue teq
Lojuxta® capsules	PbR X MMC BNF emc
Volanesorsen	RESTRICTED adults. Lipid Clinic Consultants in line with EAMS only
Red	
Waylivra® injection	MMC emc

2.13 Local sclerosants		
Local Sclerosants		
Ethanolamine Oleate		
injection	  	
Sodium Tetradecyl Sulfate		
injection	  	

2.14 Miscellaneous preparations		
Ajmaline  <i>Gilurytma</i>® 50mg/10mL injection		  RESTRICTED adults. Cardiology Consultant only
Regadenoson  <i>Rapiscan</i>® 400micrograms/5mL injection		  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)
Benralizumab for treating severe eosinophilic asthma (TA565)
Lanadelumab for preventing recurrent attacks of hereditary angioedema (TA606)

GMMM Formulary

Formulary Homepage
Chapter 3: Respiratory system (Complete)
GMMM Adult Red / Amber / Green ; DNP and Grey Drug List
GMMM Paediatric Red / Amber / Green Drug List

3.1 Bronchodilators		
3.1.1 Adrenoceptor agonists		
3.1.1.1 Selective beta ₂ agonists		
Salbutamol		
Red injection	BNF for children MMC BNF emc	
Terbutaline Sulfate		
Red injection	BNF for children BNF emc	
Salmeterol		
	BNF for children BNF emc	
Formoterol Fumarate		Asthma BTS step 3 add-on therapy
	BNF for children MMC BNF emc	
3.1.1.2 Other Adrenoceptor Agonists		
Ephedrine Hydrochloride		
	BNF for children BNF emc	
3.1.2 Antimuscarinic Bronchodilators		
Ipratropium Bromide		1 st line use
	BNF for children BNF emc	
Tiotropium		2 nd line use COPD maintenance
	BNF for children MMC BNF emc	
Acclidinium Bromide		2 nd line use COPD maintenance
<i>Eklira Genuair</i> ®	BNF for children MMC BNF emc	
Glycopyrronium Bromide		2 nd line use COPD maintenance
<i>Seebri Breezhaler</i> ®	BNF for children MMC BNF emc	
Umeclidinium Bromide		2 nd line use COPD maintenance
<i>Incruse Ellipta</i> ®	BNF for children MMC BNF emc	
Compound Preparations		
Acclidinium Bromide / Formoterol Fumarate Dihydrate		3 rd line use COPD maintenance
<i>Duaklir Genuair</i> ®	BNF for children MMC BNF emc	
3.1.3 Theophylline		
Theophylline		1 st line use
M/R tablets; M/R capsules	BNF for children BNF emc	PRESCRIBE BY BRAND NAME
Aminophylline		
Red injection	BNF for children BNF emc	PRESCRIBE BY BRAND NAME
M/R tablets; injection	BNF for children BNF emc	
3.1.4 Compound Bronchodilator Preparations		
Ipratropium Bromide / Salbutamol		
<i>Combivent</i> ®	BNF for children BNF emc	
Indacaterol Maleate / Glycopyrronium Bromide		3 rd line use COPD maintenance
<i>Ultibro</i> ®	BNF for children MMC BNF emc	
Tiotropium Bromide Monohydrate / Olodaterol Hydrochloride		3 rd line use COPD maintenance
<i>Spiolto Respimat</i> ®	BNF for children MMC BNF emc	
Umeclidinium Bromide / Vilanterol Trifenatate		3 rd line use COPD maintenance
<i>Anoro Ellipta</i> ®	BNF for children MMC BNF emc	

3.1.5 Peak Flow Meters, Inhaler Devices & Nebulisers		GMMMG asthma inhaler guide
Inhaler Devices		GMMMG asthma management
Volumatic® (spacer inhaler)		
	NICE BNF BNF	
Aerochamber® Plus (spacer device)		
	NICE BNF BNF	
Able Spacer® (spacer device)		
	NICE MMC BNF BNF	
Nebuliser Diluent		
Sodium Chloride		
0.9% nebuliser diluent		
	BNF BNF emc	

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

3.3 Cromoglicate & related therapy & leukotriene receptor antagonists



3.3.1 Cromoglicate & Related Therapy

Sodium Cromoglicate



3.3.2 Leukotriene Receptor Antagonists

Montelukast

tablets; chewable tablets; sachets



BTS step 2 or 3 in paediatrics

3.3.3 Phosphodiesterase type-4 inhibitors

Roflumilast

Green

tablets



RESTRICTED
as per NICE TA461

3.4 Antihistamines, hyposensitisation & allergic emergencies			
3.4.1 Antihistamines			
Non-sedating antihistamines			
Cetirizine Hydrochloride			
tablets; oral solution	  		
Loratadine			
tablets; oral solution	  		
Desloratadine		RESTRICTED children 1-2 years old	
tablets; oral solution	   		
Fexofenadine		RESTRICTED Paediatrics	
tablets	   		
Sedating antihistamines			
Chlorphenamine Maleate			
tablets; oral solution; injection	   		
Hydroxyzine Hydrochloride			
tablets; oral solution	  		
Promethazine Hydrochloride			
tablets; oral solution	   		
Alimemazine Tartrate			
tablets; oral solution	  		
3.4.2 Allergen Immunotherapy			
Bee venom extract		RESTRICTED Immunology Consultants only	
 injection	  		
Wasp venom extract		RESTRICTED Immunology Consultants only	
 injection	   		
Grass & Rye or tree pollen extract		RESTRICTED Immunology Consultants only	
 <i>Pollinex</i> ®	  		
Grass Pollen extract		RESTRICTED Immunology Consultants only	
 <i>Grazax</i> ® oral lyophilisates	  		
Allergoid immunotherapy tablets		RESTRICTED Immunology Consultants only	
 <i>Lofarma Lais</i> ®	  		
Omalizumab			
Omalizumab		RESTRICTED as per NICE	
  injection	     		
Anti-interleukin-5 (IL-5) antibody			
Benralizumab		RESTRICTED as per NICE TA565	
  injection	     		
Mepolizumab		RESTRICTED as per NICE TA431	
  injection	     		
Reslizumab		RESTRICTED as per NICE TA479 NOT STOCKED	
  infusion	     		

3.4.3 Allergic Emergencies			
Adrenaline / Epinephrine			PRESCRIBE BY BRAND NAME
injection		 	
C1 esterase inhibitor			RESTRICTED acute attacks of HAE
 		  	
<i>Berinert</i> ®; <i>Cinryze</i> ® injection			
		  	
Conestat Alfa			RESTRICTED adults acute attacks of HAE
 			
<i>Ruconest</i> ® injection			
		  	
Icatibant			RESTRICTED adults acute attacks of HAE
 		  	
<i>Firazyr</i> ® injection			
		  	
Lanadelumab			RESTRICTED in line with NICE TA606
 		  	
<i>Takhzyro</i> ® injection			
	 	  	
Oxandrolone			RESTRICTED adults acute attacks of HAE
		 	
tablets			
	  		

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

3.6 Oxygen (refer to oxygen guidelines)



3.7 Mucolytics			
Mucolytics			
Sodium Chloride (hypertonic)			
<i>Nebusal</i> ® 7% nebules			 
Carbocisteine			RESTRICTED COPD Consultant / referral only
capsules; oral solution; sachets			 
Dornase Alfa			RESTRICTED Respiratory only
 			
<i>Pulmozyme</i> ® nebules			  
Ivacaftor			RESTRICTED Paediatric Consultants only
 			
<i>Kalydeco</i> ® tablets; granules			   NHSE Commissioning
Lumacaftor with Ivacaftor			RESTRICTED Specialist use only
 			
<i>Orkambi</i> ® tablets; granules			   NHSE Commissioning
Tezacaftor with Ivacaftor			RESTRICTED Specialist use only
 			
<i>Symkevi</i> ® tablets			   NHSE Commissioning
Elexacaftor with Tezacaftor and Ivacaftor			RESTRICTED Specialist use only
 			
<i>Kaftrio</i> ® tablets			   NHSE Commissioning

3.8 Aromatic inhalations		
Aromatic Inhalations		
Benzoin Tincture, Compound, BP	  	
<i>Friars' Balsam liquid</i>		
Menthol and Eucalyptus Inhalation, BP 1980	  	
inhalation vapour		

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

3.10 Systemic nasal decongestants			
Systemic Nasal Decongestants			
Pseudoephedrine Hydrochloride			
tablet; oral solution		 	

3.11 Antifibrotics	
Antifibrotics	
Pirfenidone Red ££ capsules; tablets PbR X NICE MMC BNF emc blueiq BNF	GMMG RESTRICTED Respiratory Consultants only NOT STOCKED

Chapter 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

Post-traumatic Stress Disorder (CG26)
Depression in Children & Young People (CG28)
Obsessive compulsive disorder (OCD) & body dysmorphic disorder (BDD) (CG31)
Management of Obesity (CG43) (replaces TA22, TA31 & TA46)
Drug misuse: opioid detoxification (CG52)
Management of Depression (CG90)
Depression with a chronic physical health problem (CG91)
Sedation in under 19s: using sedation for diagnostic and therapeutic procedures (CG112)
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)
Eating Disorders: recognition and treatment (NG69)
Parkinson's disease in adults (NG71)
Attention deficit hyperactivity disorder: diagnosis and management (NG87)
Stop smoking interventions and services (NG92)
Dementia: supporting people with dementia and their carers in health and social care (NG97)
Motor Neurone Disease: Riluzole (TA20)
Guidance on the use of zaleplon, zolpidem & zopiclone for short-term management of insomnia (TA77)
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)
Botulinum toxin type A for the prevention of headaches in adults with chronic migraine (TA260)
Bipolar disorder (children) - aripiprazole (TA292)
Nalmefene for reducing alcohol consumption in people with alcohol dependence (TA325)
Vortioxetine for treating major depressive episodes (TA367)
Xeomin (botulinum neurotoxin type A) for treating chronic sialorrhoea (TA605)
Cannabidiol with clobazam for treating seizures associated with Dravet syndrome (TA614)
Cannabidiol with clobazam for treating seizures associated with Lennox–Gastaut syndrome (TA615)
Fremanezumab for preventing migraine (TA631)

GMMM Formulary

Formulary Homepage
Chapter 4: Central Nervous system (Complete)
GMMM Adult [Red](#)/[Amber](#)/[Green](#); DNP and [Grey](#) Drug List
GMMM Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

4.1 Hypnotics & anxiolytics



4.1.1 Hypnotics

NICE CG112

Benzodiazepines

Temazepam



tablets; oral solution



Nitrazepam

tablets; oral suspension



Zaleplon, Zolpidem & Zopiclone

Zopiclone

tablets



Chloral & Derivatives

Chloral Hydrate

oral solution; suppositories



Clomethiazole

192mg capsules



Sodium Oxybate

Sodium Oxybate



oral solution



RESTRICTED
2nd line narcolepsy with cataplexy

Melatonin

Melatonin

capsules; tablets; oral solution

**RESTRICTED**Melatonin (licensed product 1st line) - Paediatric patients, e.g. sleep disorders, ADHD

Amber

Melatonin (licensed product only) - Adult patients over 55yrs of age

Green

4.1.2 Anxiolytics

NICE CG113

Benzodiazepines

Chlordiazepoxide hydrochloride

capsules



Symptomatic relief of acute alcohol withdrawal

Diazepam

tablets; liquid; injection; rectal tube



Lorazepam

tablets; injection



Oxazepam

tablets



Busiprone

Busiprone Hydrochloride

tablets



Others

Pregabalin



capsules; oral solution



RESTRICTED generalised anxiety disorder after standard treatment following NICE has failed.

4.1.3 Barbiturates

NO DRUGS ARE RECOMMENDED FROM THIS GROUP



4.2 Drugs used in psychoses & related disorders



4.2.1 Antipsychotic Drugs

NICE CG178

Chlorpromazine Hydrochloride

Green

tablets; oral solution; injection

MMC  

Haloperidol

Green

tablets; capsules; oral solution

 

Levomepromazine

Green

tablets

 

Promazine Hydrochloride

tablets; oral solution

 

Sulpiride

tablets; oral solution

 

Trifluoperazine

tablets; oral solution

 

Zuclopenthixol

tablets

 

Atypical Antipsychotic Drugs

Amisulpride

Amber Red

tablets; oral solution

MMC  

RESTRICTED adults.
Consultant Psychiatrist only

Aripiprazole

Amber Red

tablets; oral solution

NICE MMC  

RESTRICTED paediatrics.
Consultant Psychiatrist only

Clozapine

Red

tablets

 

Olanzapine

Amber Red

tablets; orodispersible tablets; oral solution

 

Quetiapine

Amber Red

tablets; M/R tablets

MMC  

RESTRICTED - Consultant initiation -
schizophrenia patients

Risperidone

Amber Red

tablets; orodispersible tablets; oral solution

 

4.2.2 Antipsychotic Depot Injections

Flupentixol Decanoate

Amber

injection

 

RESTRICTED
Consultant Psychiatrist only

Fluphenazine Decanoate

Amber

injection

 

RESTRICTED
Consultant Psychiatrist only

Haloperidol Decanoate

Amber

injection

 

RESTRICTED
Consultant Psychiatrist only

Risperidone

Amber

injection

 

RESTRICTED
Consultant Psychiatrist only

Zuclopenthixol Decanoate

Amber

injection

 

RESTRICTED
Consultant Psychiatrist only

4.2.3 Drugs used for mania and hypomania			
Lithium Carbonate			PRESCRIBE BY BRAND NAME
Amber	 		
tablets; M/R tablets			
Lithium Citrate			PRESCRIBE BY BRAND NAME
Amber	 		
oral solution			
Valproic Acid			
Green	 		
Gastro-resistant tablets			

4.3 Antidepressant drugs



NICE CG28

NICE CG31

NICE CG90

NICE CG91

4.3.1 Tricyclic & Related Antidepressant Drugs

Tricyclic antidepressants

Amitriptyline Hydrochloride (standard release preparations only)

tablets; oral solution



Clomipramine Hydrochloride (standard release preparations only)

capsules



Doxepin Hydrochloride

capsules



Imipramine Hydrochloride

tablets



Lofepramine

tablets; oral suspension



1st line use

Nortriptyline

tablets



Trimipramine

DNP

tablets; capsules



Tricyclic-related antidepressants

Mianserin Hydrochloride

tablets



RESTRICTED
initiation by Psychiatrist

Trazodone Hydrochloride

capsules; tablets; oral solution



RESTRICTED
initiation by Psychiatrist

4.3.2 Monoamine-Oxidase Inhibitors (MAOIs)

Isocarboxazid

Red

tablets



RESTRICTED
initiation by Psychiatrist

Phenelzine

Red

15mg tablets



RESTRICTED
initiation by Psychiatrist

Tranylcypromine

Red

10mg tablets



RESTRICTED
initiation by Psychiatrist

Reversible Monoamine-Oxidase Inhibitors (MAOIs)

Moclobemide

Green

150mg; 300mg tablets



RESTRICTED 2nd line
initiation by Psychiatrist

4.3.3 Selective Serotonin Re-uptake Inhibitors (SSRIs)

Fluoxetine

capsules; tablets; dispersible tablets; oral solution



Citalopram

tablets; oral drops



Sertraline

tablets; oral suspension



Fluvoxamine maleate

tablets



Paroxetine

tablets; oral suspension



Escitalopram

tablets



RESTRICTED
Mental Health Trust initiation only

4.3.4 Other Antidepressant Drugs	
Venlafaxine Green M/R capsules; tablets; M/R tablets 	RESTRICTED initiation by Psychiatrist
Mirtazapine tablets; orodisperible tablets; oral solution 	RESTRICTED initiation by Psychiatrist
Duloxetine gastro-resistant tablets 	RESTRICTED initiation by Psychiatrist
Flupentixol tablets 	RESTRICTED initiation by Psychiatrist
Reboxetine tablets 	RESTRICTED initiation by Psychiatrist
Tryptophan capsules 	RESTRICTED initiation by Psychiatrist
Vortioxetine Green tablets 	RESTRICTED initiation by Psychiatrist

4.4 CNS stimulants & drugs used for ADHD		GMMMG
4.4 CNS stimulants & drugs used for ADHD		NICE NG87
Atomoxetine Amber capsules		RESTRICTED on Paediatric / Psychiatric advice
Dexamfetamine Amber tablets		RESTRICTED on Paediatric / Psychiatric advice
Lisdexamfetamine Amber capsules		RESTRICTED 2nd line use for ADHD
Methylphenidate Amber tablets; M/R tablets; capsules; M/R capsules		RESTRICTED on Paediatric / Psychiatric advice PRESCRIBE BY BRAND NAME
Modafinil Amber Narcolepsy Red Postural hypotension/sleep apnoea tablets		RESTRICTED on Paediatric / Psychiatric advice

4.5 Drugs used in the treatment of obesity		GMMMG
4.5.1 Anti-Obesity Drugs Acting on the Gastro-Intestinal Tract		NICE CG43
Orlistat capsules 		RESTRICTED Consultant initiation - Paeds. only

4.6 Drugs used in nausea & vertigo



Antihistamines

Cyclizine

tablets; injection



1st line use

Promethazine Hydrochloride

tablets; oral solution (see also section 3.4.1)



Promethazine Teoclate

tablets



Phenothiazines & Related Drugs

Prochlorperazine

tablets; buccal tablet; injection



Droperidol

injection



RESTRICTED
Consultant initiation only for PONV

Domperidone & Metoclopramide

Domperidone

tablets; oral suspension (see also section 1.2)



Metoclopramide Hydrochloride

tablets; oral suspension; injection (see also section 1.2)



5HT₃-receptor antagonists

Ondansetron

Red Green

tablets; orodispersible tablets; injection; oral solution; orodispersible film



RESTRICTED - Chemotherapy
induced & post-op vomiting



Ondansetron - post operatively and following chemotherapy

Red

Ondansetron - for exceptional use in non-oncology patients with chronic emesis following consultant recommendation and where all other options have failed

Green

Neurokinin 1-receptor antagonist

Aprepitant

80mg; 125mg capsules; 25mg/mL oral suspension



RESTRICTED - highly/moderately
emetogenic chemotherapy induced
nausea & vomiting

Hyoscine

Hyoscine Hydrobromide

patches; tablets (for Hyoscine Butylbromide see section 1.2)



Other Drugs for Ménière's Disease

Betahistine Dihydrochloride

tablets



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

4.7.4 Antimigraine Drugs**4.7.4.1 Treatment Of Acute Migraine****Analgesics**

Aspirin

tablets; dispersible tablets; E/C tablets; suppositories



Paracetamol

tablets; soluble tablets; oral suspension; infusion; suppositories



Ibuprofen

tablets; M/R tablets; oral suspension; sachets

**5HT₁-receptor agonists**

Sumatriptan

tablets; nasal spray; injection

**4.7.4.2 Prophylaxis of Migraine**

Clonidine Hydrochloride

tablets



Fremanezumab

££

injection



Pizotifen

tablets



RESTRICTED
Specialist use only
NOT STOCKED

4.8 Antiepileptic drugs				
4.8.1 Control of the Epilepsies			NICE CG137	
Carbamazepine Green tablets; M/R tablets; oral solution; suppositories				
Phenobarbital Green  tablets; oral solution; injection				
Phenytoin Sodium Green capsules; oral suspension; injection				
Sodium Valproate Green tablets; M/R tablets; oral solution; M/R granules; injection			 	
Clobazam Green tablets; oral suspension			 RESTRICTED Specialist use only	
Clonazepam Green tablets; oral solution; injection			 RESTRICTED Specialist use only	
Ethosuximide Green capsules; oral solution			 RESTRICTED Paediatrics only	
Gabapentin Green  capsules; oral suspension			 RESTRICTED Specialist use only	
Lacosamide Green tablets; oral solution; infusion			 RESTRICTED Specialist use only	
Lamotrigine Green tablets; dispersible tablets			 RESTRICTED Specialist use only	
Levetiracetam Green tablets; oral solution; infusion; granules			 RESTRICTED Specialist use only	
Oxcarbazepine Green tablets; oral suspension			 RESTRICTED Specialist use only	
Perampanel Green tablets; oral suspension			 RESTRICTED Specialist use only	
Pregabalin Green  capsules; oral solution			 RESTRICTED Specialist use only	
Primidone Green tablets			 RESTRICTED Specialist use only	
Rufinamide Green tablets			 RESTRICTED Specialist use only Lennox-Gastaut Syndrome	
Stiripentol Red capsules; sachets			 RESTRICTED Specialist use only	
Topiramate Green tablets; capsules			 RESTRICTED Specialist use only	
Vigabatrin Red tablets; sachets			 RESTRICTED Specialist use only	
Zonisamide Green capsules			 RESTRICTED Specialist use only	
Cannabidiol (CBD) Red  Epidyolex®			 RESTRICTED Specialist use only in line with NICE	

4.8.2 Drugs Used in Status Epilepticus

Lorazepam		 	
tablets; injection			
Diazepam		 	
tablets; liquid; injection; rectal tube			
Clonazepam		 	
Green tablets; oral solution; injection			
Midazolam		 	
Green  oromucosal solution; injection; infusion			
Paraldehyde		 	
injection; rectal solution			
Phenytoin Sodium		 	
Green capsules; oral suspension; injection			
Sulthiame		 	RESTRICTED Consultant Neurologist use only
 Ospolot® 50mg tablets		  	

4.9 Drugs used in Parkinsonism & related disorders			GMMMG
4.9.1 Dopaminergic Drugs Used in Parkinsonism			NICE NG71
Amantadine Hydrochloride Green capsules; oral solution			RESTRICTED Specialist use only NICE BNF emc
Apomorphine Hydrochloride Amber injection; infusion			RESTRICTED Specialist use only NICE BNF emc
Cabergoline Green tablets			RESTRICTED Specialist use only NICE MMC BNF emc
Co-beneldopa Green capsules; M/R capsules; dispersible tablets			RESTRICTED Specialist use only NICE BNF emc
Co-careldopa Green tablets; M/R tablets			RESTRICTED Specialist use only PbR X NICE BNF emc
Entacapone Green tablets			RESTRICTED Specialist use only MMC BNF emc
Opicapone Green capsules			RESTRICTED 2nd line Specialist use only MMC BNF emc
Pramipexole Green tablets; M/R tablets			RESTRICTED 3rd line add-on use Specialist use only MMC BNF emc
Rasagiline Green tablets			RESTRICTED patients with end of dose fluctuations MMC BNF emc
Ropinirole Green tablets; M/R tablets			RESTRICTED Specialist use only BNF emc
Rotigotine Green transdermal patches			RESTRICTED Specialist use only. NBM patients NICE MMC BNF emc
Safinamide Green tablets			RESTRICTED Specialist use only MMC BNF emc
Selegiline Green tablets			RESTRICTED Specialist use only BNF emc
4.9.2 Antimuscarinic Drugs Used in Parkinsonism			
Orphenadrine Hydrochloride oral solution			BNF emc
Procyclidine (Oral & IM) tablets; oral solution; injection			BNF emc
Trihexyphenidyl Hydrochloride (Benzhexol Hydrochloride) tablet; syrup			BNF emc

4.9.3 Drugs Used in Essential Tremor, Chorea, Tics & Related Disorders			
Propranolol			
tablets; M/R capsules; oral solution; injection	  		
Haloperidol			RESTRICTED Specialist use only
Green tablets; capsules; oral solution	  		
Piracetam			RESTRICTED Specialist use only
tablets; oral solution	  		
Tetrabenazine			RESTRICTED Specialist use only
tablets	  		
Torsion Dystonias & Other Involuntary Movements			
Botulinum Toxin Type A			RESTRICTED Specialist use only
Red injection	    		

4.10 Drugs used in substance dependence		
4.10.1 Alcohol dependence		
Nalmefene Green	NICE MMC  	RESTRICTED - Specialist use only in line with NICE TA325 NOT STOCKED
4.10.2 Nicotine dependence		NICE NG92
Nicotine Replacement Therapy patches, lozenges, inhalator, microtabs	 	1 st line use
Bupropion Hydrochloride tablets	NICE  	
Varenicline tablets	NICE MMC  	
4.10.3 Opioid Dependence		NICE CG52
Buprenorphine Green 	NICE  	RESTRICTED Initiation by substance misuse specialist
Methadone Hydrochloride 	NICE  	RESTRICTED Initiation by substance misuse specialist
Naltrexone Hydrochloride Red Amber	NICE MMC  	RESTRICTED Gastro Consultant - cholestatic itch

4.11 Drugs for dementia		
4.11 Drugs for Dementia		NICE NG97
Donepezil Hydrochloride Green tablets; orodispersible tablets		RESTRICTED Specialist use only
Galantamine Green M/R capsules; tablets		RESTRICTED Specialist use only
Memantine Hydrochloride Green tablets; oral solution		RESTRICTED Specialist use only
Rivastigmine Green capsules; oral solution; transdermal patches		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
- 5.4.5 Leishmaniacides
- 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*)
- 5.5.5 Schistosomicides (bilharziasis)

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)
Infection: Prevention & control of healthcare-associated infections in primary & community care (CG139)
Hepatitis B (Chronic) (CG165)
Tuberculosis (NG33)
Otitis media (acute): antimicrobial prescribing (NG91)
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)
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)
Rifaximin for preventing episodes of overt hepatic encephalopathy (TA337)
Ledipasvir–sofosbuvir for treating chronic hepatitis C (TA363)
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)
Letermovir for preventing cytomegalovirus disease after a stem cell transplant (TA591)

GMMMG Formulary

Formulary Homepage
Chapter 5: Infections (Complete)
GMMMG Adult Red/Amber/Green ; DNP and Grey 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 & Phenoxyethylpenicillin			
Benzylpenicillin Sodium (Penicillin G)			
600mg injection	 		
Phenoxyethylpenicillin (Penicillin V)			
tablets	 		
Benzathine Benzylpenicillin			RESTRICTED unlicensed treatment for syphilis
 injection	 		
5.1.1.2 Penicillinase-Resistant Penicillins			
Flucloxacillin			
capsules; injection; oral solution	  		
Temocillin			RESTRICTED infection caused by multi-resistant coliforms. Micro only
1g injection	  		
5.1.1.3 Broad Spectrum Penicillins			
Amoxicillin			
capsules; oral suspension; injection	 		
Co-amoxiclav			
tablets; oral suspension; injection	 		
5.1.1.4 Antipseudomonal Penicillins			
Piperacillin with Tazobactam			RESERVED serious / resistant infections
injection	  		
Ticarcillin with Clavulanic Acid			RESERVED serious / resistant infections
<i>Timentin</i> ® 3.2g injection	  		
5.1.1.5 Mecillinams			
Pivmecillinam Hydrochloride			RESTRICTED UTIs caused by resistant coliforms
200mg tablets	  		
5.1.2 Cephalosporins, Carbapenems & other Beta-Lactams			
5.1.2.1 Cephalosporins			
Cefalexin			
caspules; tablets; oral suspension	 		
Cefotaxime			RESERVED as per guidelines for children
injection	 		
Ceftriaxone			RESERVED as per guidelines for children
injection	 		
Cefuroxime			RESERVED as per guidelines for children
injection	 		
Cefixime			RESERVED GU infections only
tablets	  		

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5.1.5 Macrolides			
Clarithromycin			
tablets; oral suspension; infusion	 		
Azithromycin			RESERVED GU only or specialist use
tablets; oral suspension	 		
Erythromycin			RESERVED in pregnancy or neonates
tablets; oral suspension; injection	 		
5.1.6 Clindamycin			
Clindamycin			RESERVED as per guidelines
capsules; oral suspension; injection; 2% vaginal cream	 		
5.1.7 Some other Antibacterials			
Chloramphenicol			RESERVED as per guidelines
capsules; injection	 		
Dalbavancin			
Dalbavancin			RESTRICTED Consultant only
500mg infusion	  		Micro. approval required
Fidaxomicin			
Fidaxomicin			RESTRICTED <i>clostridium difficile</i> associated diarrhoea
  200mg tablets	   		Micro. only
Fusidic Acid			
Sodium Fusidate			RESERVED as per guidelines
 tablets; oral suspension; 2% cream	  		
Glycopeptides			
Vancomycin			
 injection; capsules; oral suspension (see assay guidelines)	   		
Teicoplanin			RESERVED as per guidelines
injection	  		
Daptomycin			
Daptomycin			RESTRICTED as per guidelines
 infusion	   		
Linezolid			
Linezolid			RESTRICTED as per guidelines
 tablets; infusion	   		
Quinupristin with Dalfopristin			
Synercid®			RESTRICTED as per guidelines. Non-formulary
injection	  		
Polymyxins			
Colistimethate Sodium			RESTRICTED as per guidelines
 or  injection	   		
Rifaximin			
Rifaximin			RESTRICTED as per guidelines
 550mg tablets	    		
Spectinomycin			
Spectinomycin			RESTRICTED cephalosporin resistant gonorrhoea
 <i>Kirin</i> ® injection	  		
Taurolidine			
Taurolidine citrate 4%			RESTRICTED as per CVC guidelines
<i>TauroLock</i> ® 4% ampoules	 		

5.1.8 Sulphonamides & Trimethoprim				
Trimethoprim				
tablets; oral suspension			 	
Co-trimoxazole				RESERVED as per guidelines
Green			 	
tablets; oral suspension; infusion				
Sulfadiazine				RESTRICTED
tablets			 	
5.1.9 Antituberculosis Drugs		Red	until patient stabilised then	Green
			NICE	
Bedaquiline				NICE NG33
				RESTRICTED MDR TB only
tablets	PbR X	MMC	 	
Ethambutol Hydrochloride				
Green				
tablets		NICE	MMC  	
Isoniazid				
Green				
tablets; oral solution; injection		NICE	 	
Prothionamide				RESTRICTED MDR TB only
				
tablets		MMC	 	
Pyrazinamide				
Green				
tablets		NICE	 	
Rifampicin				
Green				
capsules; oral solution; infusion		NICE	 	
Rifabutin				2 nd line where rifampicin not suitable
Green				
capsules			 	
Rifater®				
Green				
Rifampicin / Isoniazid / Pyrazinamide tablets		NICE	 	
Rifinah®				
Green				
Rifampicin / Isoniazid tablets		NICE	 	
Voractiv®				
Green				
Rifampicin / Isoniazid / Pyrazinamide / Ethambutol Hydrochloride tablets		MMC	 	
Capreomycin				RESTRICTED MDR TB only Not stocked
injection		NICE	 	
Cycloserine				RESTRICTED MDR TB only Not stocked
capsules			 	
Delamanid				RESTRICTED MDR TB only
				
tablets		MMC	 	
Streptomycin				RESTRICTED MDR TB only Not stocked
Red				
injection		NICE	 	
Moxifloxacin				RESTRICTED
tablets; injection		NICE	MMC  	
Para aminosalicylic acid (PAS)				RESTRICTED MDR TB only Not stocked
granules	PbR X	MMC	 	
5.1.10 Antileprotic Drugs				
Clofazimine				RESTRICTED MDR TB only
				
capsules		MMC	 	
Dapsone				RESERVED
Green				
tablets		MMC	 	

5.1.11 Metronidazole & Tinidazole

Metronidazole

tablets; oral suspension; infusion; suppositories; vaginal gel

BNF

for children

MMC

BNF

emc

Tinidazole

tablets

BNF

for children

BNF

emc

RESTRICTED

5.1.12 Quinolones

Ciprofloxacin

tablets; oral suspension; infusion (see also sections 11.3.1 & 12.1.1)

BNF

for children

BNF

emc

RESERVED
as per guidelines

Levofloxacin

tablets; infusion (see also section 11.3.1)

BNF

for children

MMC

BNF

emc

RESTRICTED
MDR TB only
Not stocked

Moxifloxacin

tablets; infusion

BNF

for children

MMC

BNF

emc

RESTRICTED
MDR TB only

Nalidixic acid

tablets

BNF

for children

BNF

emc

RESTRICTED
Urology use in children only

Ofloxacin

tablets (see also section 11.3.1)

BNF

for children

BNF

emc

RESTRICTED
GU infections only

5.1.13 Urinary-tract Infections

Nitrofurantoin

M/R capsules; capsules; tablets

BNF

for children

BNF

emc

Fosfomycin

sachets; infusion

BNF

for children

MMC

BNF

emc

RESTRICTED
Micro recommendation only

Methenamine Hippurate

tablets

BNF

for children

MMC

BNF

emc

RESTRICTED Urology Consultants
only as part of ALTAR trial

5.2 Antifungal drugs



5.2.1 Triazole Antifungals

Fluconazole

capsules; infusion; oral suspension.



Isavuconazole

capsules; infusion

PbR X

MMC



RESTRICTED
micro / specialist use only

Itraconazole

capsules; oral solution; infusion



Posaconazole



G/R tablets; oral suspension; infusion

PbR X

MMC



RESTRICTED
micro use only

Voriconazole



tablets; oral suspension; infusion

PbR X

MMC



RESTRICTED
micro / specialist use only

5.2.3 Polyene Antifungals

Nystatin

100,000 units/mL oral suspension



Amphotericin



AmBisome® infusion (systemic use); Fungizone® cream - topical ONLY

PbR X



RESTRICTED
micro / specialist use only

5.2.4 Echinocandin Antifungals

Anidulafungin



Ecalta® infusion

PbR X

MMC



1st line RESTRICTED
micro / specialist use only

Micafungin



Mycamine® infusion

PbR X

MMC



RESTRICTED
micro / specialist use only

5.2.5 Other Antifungals

Griseofulvin

tablets



2nd line
following topical therapy

Terbinafine

tablets



2nd line
following topical therapy

Flucytosine

infusion



RESTRICTED
micro / Neonates only

5.3 Antiviral drugs				GMMMG	
Remdesivir				RESTRICTED	
Red ££					
Veklury® infusion					
PbR X NICE MMC BNF emc					
5.3.1 HIV Infection					
Nuceloside Reverse Transcriptase Inhibitors (NRTIs)					
Abacavir					
Red ££					
tablets; oral solution					
PbR X MMC BNF emc					
Bictegravir / Emtricitabine / Tenofovir Alafenamide					
Red ££					
Biktarvy® tablets					
PbR X MMC BNF emc				NHSE	
Emtricitabine					
Red ££					
capsules					
PbR X MMC BNF emc					
Lamivudine					
Red ££					
tablets; oral solution					
PbR X BNF emc					
Tenofovir Disoproxil					
Red ££					
tablets; granules					
PbR X NICE MMC BNF emc					
Tenofovir Alafenamide				RESTRICTED	
Red ££				patients requiring new formulation	
Descovy® / Odefsey® / Genvoya® tablets					
PbR X MMC BNF emc				NHSE	
Tenofovir Disoproxil / Efavirenz / Emtricitabine					
Red ££					
Atripla® tablets					
PbR X MMC BNF emc					
Tenofovir / Cobicistat / Elvitegravir / Emtricitabine					
Red ££					
Stribild® tablets					
PbR X MMC BNF emc				NHSE	
Tenofovir / Emtricitabine					
Red ££					
Truvada® tablets					
PbR X MMC BNF emc					
Emtricitabine / Rilpivirine / Tenofovir					
Red ££					
Eviplera® tablets					
PbR X MMC BNF emc				CHIVA PEP 2017	
Zidovudine / Lamivudine					
Red ££					
Combivir® tablets					
PbR X BNF emc					
Didanosine					
Red ££					
Videx® capsules (to be DISCONTINUED Q1 2020)					
PbR X MMC BNF emc					
Stavudine					
Red ££					
Zerit® capsules (to be DISCONTINUED Q1 2020)					
PbR X BNF emc					
Protease Inhibitors				BHIVA treatment guidelines (2016)	
Atazanavir					
Red ££					
capsules					
PbR X MMC BNF emc					
Atazanavir / Cobicistat					
Red ££					
Evotaz® tablets					
PbR X MMC BNF emc				NHSE	
Darunavir					
Red ££				MHRA	
tablets; oral suspension					
PbR X MMC BNF emc					
Darunavir / Cobicistat					
Red ££				MHRA	
Rezolsta® tablets					
PbR X MMC BNF emc				NHSE	
Darunavir / Cobicistat / Emtricitabine & Tenofovir					
Red ££					
Symtuza® tablets					
PbR X MMC BNF emc					
Fosamprenavir					
Red ££					
Telzir® tablets					
PbR X MMC BNF emc					

Lopinavir / Ritonavir Red ££ <i>Kaletra</i>® tablets; oral solution	PbR X BNF BNF emc emc	MHRA Regulating Medicines and Medical Devices
Ritonavir Red ££ tablets; powder for oral suspension	PbR X BNF BNF emc emc	MHRA Regulating Medicines and Medical Devices
Saquinavir Red ££ tablets	PbR X BNF BNF emc emc	
Tipranavir Red ££ capsules	PbR X MMC BNF emc emc	
Non-Nucleoside Reverse Transcriptase Inhibitors (Non-NRTIs)		BHIVA treatment guidelines (2016)
Doravirine Red ££ <i>Pifeltro</i>® tablets	PbR X MMC BNF emc emc	NHSE
Doravirine / Lamivudine / Tenofovir Disoproxil Fumarate Red ££ <i>Delstrigo</i>® tablets	PbR X MMC BNF emc emc	NHSE
Efavirenz Red ££ tablets; capsules	PbR X BNF BNF emc emc	
Etravirine Red ££ <i>Intelence</i>® tablets	PbR X MMC BNF emc emc	
Nevirapine Red ££ tablets; oral suspension; M/R tablets	PbR X MMC BNF emc emc	
Rilpivirine Red ££ <i>Edurant</i>® tablets	PbR X MMC BNF emc emc	
Other Antiretrovirals		BHIVA treatment guidelines (2016)
Maraviroc Red ££ <i>Celsentri</i>® tablets	PbR X MMC BNF emc emc	
Raltegravir Red ££ tablets; chewable tablets; granules	PbR X MMC BNF emc emc	CHIVA PEP 2017
Enfuvirtide Red ££ <i>Fuzeon</i>® injection	PbR X MMC BNF emc emc	
Dolutegravir Red ££ <i>Tivicay</i>® tablets	PbR X MMC BNF emc emc	MHRA Regulating Medicines and Medical Devices NHSE
Dolutegravir / Abacavir / Lamivudine Red ££ <i>Triumeq</i>® tablets	PbR X MMC BNF emc emc	MHRA Regulating Medicines and Medical Devices NHSE
Dolutegravir / Lamivudine Red ££ <i>Dovato</i>® tablets	PbR X MMC BNF emc emc	MHRA Regulating Medicines and Medical Devices NHSE
Dolutegravir / Rilpivirine Red ££ <i>Juluca</i>® tablets	PbR X MMC BNF emc emc	MHRA Regulating Medicines and Medical Devices NHSE
Pharmacokinetic enhancers of antiretrovirals		
Cobicistat Red ££ <i>Tybost</i>® tablets	PbR X MMC BNF emc emc	NHSE

5.3.2 Herpesvirus Infection			
5.3.2.1 Herpes Simplex & Varicella-Zoster Infection			
Aciclovir			
tablets; oral suspension; infusion (see also section 13.10.3)	 		
Valaciclovir			RESTRICTED Specialist use only Haematology / Renal
tablets	 		
5.3.2.2 Cytomegalovirus (CMV) Infection			
Ganciclovir			RESERVED Specialist use only
infusion (see also section 11.3.3)	  		
Valganciclovir			RESERVED Specialist use only
tablets; oral solution	  		
Cidofovir			RESERVED Specialist use only
infusion	  		
Foscarnet Sodium			RESERVED Specialist use only; also for aggressive CMV retinitis
infusion	   		
Letermovir			RESERVED Specialist use only in line with NICE
Prevymis® tablets	    		
5.3.3 Viral Hepatitis			
5.3.3.1 Chronic hepatitis B			NICE CG165
Adefovir Dipivoxil			
Hepsera® tablets	    		
Entecavir			
Baraclude® tablets	    		
5.3.3.2 Chronic hepatitis C			NHSE Hepatitis C
Dasabuvir			RESTRICTED Specialist use only in line with NHSE Commissioning
Exviera® tablets	    		
Elbasvir / Grazoprevir			RESTRICTED Specialist use only in line with NICE TA413
Zepatier® tablets	     		
Glecaprevir / Pibrentasvir			RESTRICTED Specialist use only in line with NHSE and NICE TA499
Maviret® tablets	     		
Ombitasvir / Paritaprevir / Ritonavir			RESTRICTED Specialist use only in line NHSE Commissioning
Viekirax® tablets	      		
Sofosbuvir			RESTRICTED Specialist use only in line with NICE TA330
Sovaldi® tablets	     		
Sofosbuvir / Ledipasvir			RESTRICTED Specialist use only in line NHSE Commissioning
Harvoni® tablets	     		
Sofosbuvir / Velpatasvir			RESTRICTED Specialist use only in line with NICE TA430
Epclusa® tablets	     		
Sofosbuvir / Velpatasvir / Voxilaprevir			RESTRICTED Specialist use only in line with NICE TA507
Vosevi® tablets	     		

5.3.4 Influenza			
Oseltamivir			
Tamiflu® capsules; oral suspension			NICE MMC BNF emc BNF emc
Zanamivir			
Relenza® inhalation powder			NICE MMC BNF emc BNF emc
Zanamivir			RESTRICTED Virology approval only
Red			
Dectova® 10mg/mL infusion			MMC BNF emc BNF emc
5.3.5 Respiratory Syncytial Virus (RSV)			
Palivizumab			RESTRICTED Specialist use only
Red ££			
Synagis® 100mg/mL injection			PbR X MMC BNF emc BNF emc blueteq
Ribavirin			RESTRICTED Specialist use only
Red ££			
capsules; tablets			PbR X NICE MMC BNF emc BNF emc BNF emc

5.4 Antiprotozoal drugs



5.4.1 Antimalarials

Artesunate

Red

injection



RESTRICTED
Specialist use only

Artemether with Lumefantrine

Red

tablets



RESTRICTED
Specialist use only

Chloroquine

Red

tablets



RESTRICTED
Specialist use only

Mefloquine

Red

tablets



RESTRICTED
Specialist use only

Primaquine

Red

tablets



RESTRICTED
Specialist use only

Proguanil Hydrochloride

Red

tablets



RESTRICTED
Specialist use only

Proguanil Hydrochloride / Atovaquone

Red

Malarone® tablets

RESTRICTED
Specialist use only

Pyrimethamine

Red

tablets



RESTRICTED
Specialist use only

Pyrimethamine with Sulfadoxine

Red

tablets



RESTRICTED
Specialist use only

Quinine Dihydrochloride



Red

injection



RESTRICTED
Specialist use only

Quinine Sulfate

Red

tablets



RESTRICTED
Specialist use only

5.4.2 Amoebicides

Metronidazole

(see also section 5.1.11)



Tinidazole

Fasigyn® tablets

RESERVED
Specialist use only

Diloxanide Furoate

tablets



RESTRICTED
Non-formulary
micro. recommendation only

5.4.3 Trichomonacides

Metronidazole

(see also section 5.1.11)



5.4.4 Antigiardial drugs

Metronidazole

(see also section 5.1.11)



5.4.5 Leishmaniacides	
Paromomycin U Red tablets	MMC BNF emc+
Sodium Stibogluconate U Red injection	MMC BNF emc+
5.4.7 Drugs for toxoplasmosis	
Sulfadiazine Red tablets	BNF emc+
5.4.8 Drugs for pneumocystis pneumonia	
Atovaquone Red oral suspension	BNF emc+
Pentamidine Isethionate Red injection	BNF emc+

5.5 Anthelmintics



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

Albendazole



tablets

MMC

BNF

for children

emc

RESTRICTED
Specialist use only

Mebendazole

chewable tablets; oral suspension

BNF

for children

BNF

emc

5.5.5 Schistosomicides (*bilharziasis*)

Praziquantel



tablets

MMC

BNF

for children

BNF

emc

RESTRICTED
Schistosomicides / tapeworm

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

Alpha glucosidase inhibitors

Dipeptidyl peptidase-4 (DPP-4) inhibitors

Rapid acting insulin secretagogues (meglitinides)

Glucagon-like peptide-1 (GLP-1) receptor agonists

Sodium-glucose co-transporter 2 (SGLT2) inhibitors

Thiazolidinediones

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

Safer insulin prescribing (KTT20)
Diabetes in pregnancy: management from preconception to the postnatal period (NG3)
Type 1 diabetes in adults: diagnosis and management (NG17)
Diabetes (type 1 and type 2) in children and young people: diagnosis and management (NG18)
Diabetic foot problems: prevention and management (NG19)
Type 2 diabetes in adults: management (NG28)
Heavy menstrual bleeding: assessment and management (NG88)
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)
Osteoporotic Fractures - denosumab (TA204)
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)
Ertugliflozin as monotherapy or with metformin for treating type 2 diabetes (TA572)
Ertugliflozin with metformin and a dipeptidyl peptidase-4 inhibitor for treating type 2 diabetes (TA583)
Dapagliflozin with insulin for treating type 1 diabetes (TA597)
Sotagliflozin with insulin for treating type 1 diabetes (TA622)

GMMM Formulary

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

6.1 Drugs used in diabetes	
6.1.1 Insulins	NICE NG3
Insulins must ONLY be initiated by practitioners experienced in their use	NICE NG17
Insulins must be prescribed by BRAND NAME	NICE NG18
6.1.1.1 Short-acting insulins	NICE NG19
Human	NICE NG28
Actrapid®	
Human Insulin	 
Apidra®	
Insulin Glulisine	 
Fiasp®	
Insulin Aspart	  
Humalog®	
Insulin Lispro	 
Humulin R®	
 Human Insulin	  
Humulin S®	
Human Insulin	 
Insulin Lispro Sanofi®	
Insulin Lispro	  
NovoRapid®	
Insulin Aspart	  
Animal	
Hypurin® Bovine Neutral	
Insulin Bovine	 
Hypurin® Porcine Neutral	
Insulin Porcine	 
6.1.1.2 Intermediate & long-acting insulins	
Human	
Humulin I® Insulin	
Isophane Insulin	 
Insulatard®	
Isophane Insulin	 
Animal	
Hypurin® Bovine Isophane	
Isophane Insulin	 
Hypurin® Porcine Isophane	
Isophane Insulin	 
Long-acting insulins	
Human	
Levemir®	
Insulin Detemir	  
Lantus®	2nd line use in patients where normal basal insulins cause nocturnal hypoglycaemia
Insulin Glargine	
Abasaglar®	
Insulin Glargine biosimilar	  
Toujeo®	
Insulin Glargine HIGH STRENGTH	  

Tresiba® Insulin Degludec MMC BNF emc	RESTRICTED 3rd line after Levemir & Lantus Diabetes Consultant only
Animal Hypurin® Bovine Lente	
Insulin Zinc suspension BNF emc	
Biphasic insulins Human	
Humalog® Mix 25 BNF emc	
Biphasic Insulin Lispro Humalog® Mix 50 BNF emc	
Biphasic Insulin Lispro Humulin M3® BNF emc	
Biphasic Isophane Insulin Insuman® Comb 25 BNF emc	
Biphasic Isophane Insulin NovoMix® 30 BNF emc	
Biphasic Insulin Aspart Animal MMC BNF emc	
Hypurin® Porcine 30/70 Mix Insulin BNF emc	
Biphasic Isophane Insulin 6.1.2 Antidiabetic drugs	
6.1.2.1 Sulfonylureas Gliclazide BNF emc	
tablets Glipizide BNF emc	RESTRICTED Not for initiation
tablets 6.1.2.2 Biguanides	
Metformin Hydrochloride Green oral solution; tablets MMC BNF emc	
6.1.2.3 Other antidiabetic drugs Alpha glucosidase inhibitors	NICE NG28
Acarbose BNF emc	
tablets Dipeptidyl peptidase 4 (DPP 4) inhibitors	
Alogliptin Green tablets MMC BNF emc	
Linagliptin Green tablets MMC BNF emc	
Saxagliptin Green tablets MMC BNF emc	2nd line to improve glycaemic control in adults with metformin
Sitagliptin Green tablets MMC BNF emc	
Rapid acting insulin secretagogues (meglitinides) Nateglinide MMC BNF emc	2nd line
tablets Repaglinide MMC BNF emc	2nd line
tablets	

Glucagon-like peptide-1 (GLP-1) receptor agonists			
Dulaglutide			RESTRICTED 1st line weekly preparation Diabetes Consultants only
Green			
injection	MMC	BNF	emc
Exenatide			2nd line patients with poor glycaemic control
Green			
injection	NICE	MMC	BNF
Bydureon®			3rd line after failure / inadequate response to oral therapy
Green			
Exenatide prolonged release (once weekly injection)	MMC	BNF	emc
Liraglutide			2nd line to achieve glycaemic control with metformin or a sulphonylurea
Green			
injection	NICE	MMC	BNF
GLP-1 receptor agonists (continued)			
Lixisenatide			RESTRICTED 3rd line as per by GMMMG & NICE Diabetes Consultants only
Green			
injection	MMC	BNF	emc
Semaglutide			1st line weekly preparation
Green			
injection	MMC	BNF	emc
Sodium-glucose co-transporter 2 (SGLT2) inhibitors			MHRA MHRA
Canagliflozin			RESTRICTED in line with TA315 Diabetes Consultants only
tablets	NICE	MMC	BNF
Dapagliflozin			RESTRICTED in line with NICE Diabetes Consultants only
Red			
tablets	NICE	MMC	BNF
Empagliflozin			RESTRICTED in line with TA336 Diabetes Consultants only
tablets	NICE	MMC	BNF
Ertugliflozin			RESTRICTED in line with NICE Diabetes Consultants only
tablets	NICE	MMC	BNF
Sotagliflozin			RESTRICTED in line with NICE Diabetes Consultants only
Zynquista® 200mg tablets	NICE	MMC	BNF
Thiazolidinediones			
Pioglitazone			2nd line add-on with metformin or a sulphonylurea
tablets	MMC	BNF	emc
6.1.4 Treatment of hypoglycaemia			
Glucagon			
1mg injection		BNF	emc
Glucose gel			
40% oral gel		BNF	emc
Diazoxide			Hyperinsulinaemic Hypoglycaemia
Green			
tablets	MMC	BNF	emc

6.2 Thyroid & antithyroid drugs			
6.2.1 Thyroid hormones			
Levothyroxine Sodium			
oral solution; tablets		 	
Liothyronine Sodium		2 nd line use (/I.V. RESTRICTED to hypothyroid coma)	
injection; tablets		 	
6.2.2 Antithyroid drugs			
Carbimazole			
tablets		   	
Iodine (Aqueous Iodine Oral Solution)			
 Lugol's Iodine		 	
Potassium Iodide			
tablets		 	
Propylthiouracil			
 tablets		 	

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

6.4 Sex hormones		
6.4.1 Female sex hormones and their modulators		
6.4.1.1 Oestrogens & HRT		
Conjugated oestrogens with progestogen		
Premique®		2 nd line use oral (continuous combined HRT)
tablets	 	
Estradiol with Progestogen		
Elleste-Duet®		1 st line use oral (sequential HRT)
tablets	 	
Femoston®		2 nd line use oral (sequential HRT)
tablets	 	
Kliovance®		1 st line use oral (continuous combined HRT)
tablets	  	
Evorel Conti®		RESTRICTED (Continuous combined HRT) when oral contraindicated
patch	 	
Estradiol only		
Elleste Solo®		1 st line use oral (oestrogen only HRT)
tablets	 	
Estradot®		RESTRICTED (Oestrogen only HRT) when oral contraindicated.
patch	 	
Evorel®		RESTRICTED Paed. Endocrine Consultants
patch	  	
Ethinylestradiol, raloxifene & tibolone		
Ethinylestradiol		2 microgram tablets (unlicensed) for amenorrhoea
tablets	  	
Raloxifene Hydrochloride		RESTRICTED Specialist Med. Consultant only
tablets	   	
Tibolone		3 rd line use oral (continuous combined HRT)
tablets	 	
6.4.1.2 Progestogens and progesterone receptor modulators		
Medroxyprogesterone Acetate		
Depo-Provera® 150mg/mL injection	 	
Medroxyprogesterone Acetate		
Sayana Press® 104mg/0.65 mL injection	  	
Norethisterone		
tablets	 	
Progesterone		
 (suppositories in IVF)		
pessaries; vaginal capsules; injection	  	
Dydrogesterone		
tablets	 	

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6.4.2 Male sex hormones & antagonists			
Testosterone & Esters			
Oral			
Testosterone Green Amber			RESTRICTED Specialist use only
injection & implants only		 	
Transdermal preparations			
Androstanolone (<i>aka</i> Dihydrotestosterone (DHT))			RESTRICTED Specialist use only - 3 rd line
Andractim® 2.5% gel		  	
Testosterone			RESTRICTED Specialist use only
Tostran® 2% gel		  	
Anti-androgens			
Cyproterone Acetate			RESTRICTED Specialist use only
Green tablets		 	
Finasteride			RESTRICTED Specialist use only
Amber tablets		 	

6.5 Hypothalamic & pituitary hormones & anti-oestrogens		
6.5.1 Hypothalamic & anterior pituitary hormones & anti-oestrogens		
Anti-oestrogens		
Clomifene Citrate		
Red		
tablets		 
Anterior pituitary hormones (Corticotrophins)		
Tetracosactide		RESTRICTED test for adrenocortical insufficiency
Red		
injection		 
Corticotropin releasing hormone		RESTRICTED Specialist use only
Red		
injection		 
Anterior pituitary hormones (Gonadotrophins)		
Human Chorionic Gonadotrophin (hCG)		RESTRICTED Specialist use only
Red		
Pregnyl® injection		 
Recombinant human follicle stimulating hormone (r-hFSH)		RESTRICTED Specialist use only
Red		
Ovaleap® injection		 
Anterior pituitary hormones (Growth Hormone)		
Somatropin		RESTRICTED as per NICE
Red Amber ££		
injection		 
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		RESTRICTED acromegaly on named patient basis NOT STOCKED
Red ££		
injection		 
Hypothalamic hormones		
Gonadorelin (GnRH; LHRH)		RESTRICTED Specialist use only
Red		
injection		 
Protirelin (TRH)		RESTRICTED Specialist use only
Red		
injection		 
6.5.2 Posterior pituitary hormones & antagonists		
Desmopressin		RESTRICTED Haematology Consultants only
injection; oral lyophilisates; nasal spray; solution; tablets		 
Terlipressin Acetate		RESTRICTED adjunct in bleeding oesophageal varices
injection		 
Tolvaptan		RESTRICTED Adult. Endocrine / Renal Consultant only
Red ££		
tablets		 
Vasopressin		RESTRICTED pituitary diabetes insipidus
injection		 
Antidiuretic hormone antagonists		
Demeclocycline Hydrochloride		RESTRICTED SIADH only
capsules (see also section 5.1.3)		 

6.6 Drugs affecting bone metabolism		
6.6.1 Calcitonin & parathyroid hormone		
Calcitonin (Salmon) / Salcatonin (<i>Miacalcic</i> ®) Red injection MMC  		RESTRICTED osteoporosis patients with acute fracture pain.
Parathyroid hormone Red ££ injection PbR X MMC BNF emc		RESTRICTED postmenopausal osteoporosis if failure or non-compliance with bisphosphonates
Teriparatide (<i>Forsteo</i> ®) Red ££ 250 micrograms / mL injection PbR X NICE MMC BNF emc		RESTRICTED as per NICE/NHSE Paeds. see decision tables
Teriparatide (<i>Movymia</i> ®) Red ££ 250 micrograms / mL injection PbR X NICE MMC BNF emc		RESTRICTED as per forsteo for new patients
6.6.2 Bisphosphonates & other drugs affecting bone metabolism		
Alendronic Acid tablets NICE MMC BNF emc		1st line use
Risedronate Sodium tablets NICE MMC BNF emc		2nd line Osteoporosis & Paget's disease
Strontium Ranelate Red oral suspension MMC BNF emc		3rd line osteoporosis patients unable to take bisphosphonates
Ibandronic Acid Amber tablets; injection NICE MMC BNF emc		RESTRICTED monthly treatment when daily/weekly dosing contraindicated; NICE TA464
Denosumab Amber Red injection NICE MMC BNF emc		RESTRICTED specialist initiation osteoporosis 
Zoledronic Acid Red infusion NICE MMC BNF emc		RESTRICTED see decision tables; also NICE TA464

6.7 Other endocrine drugs		
6.7.1 Bromocriptine & other dopaminergic drugs		
Bromocriptine		
1mg; 2.5mg tablets		MMC  
Cabergoline		RESTRICTED Hyperprolactinaemia
500 microgram tablets		 
6.7.2 Drugs affecting gonadotrophins		
Danazol		
capsules		 
Buserelin		RESTRICTED IVF
 injection (see also section 8.3.4.2)		MMC  
Buserelin Acetate		RESTRICTED adult haem-oncology patients
 <i>Suprecur</i> ® nasal spray		MMC  
Goserelin		
 		  
implant (also section 8.3.4.2)		
Leuprorelin Acetate		
 		  
injection (also section 8.3.4.2)		
Triptorelin		RESTRICTED
 		  
injection (also section 8.3.4.2)		
Cetrorelix acetate		RESTRICTED IVF
 injection		MMC  
Ganirelix		RESTRICTED IVF
 injection		MMC  
Goserelin/Leuprorelin - Licensed Indications (Pre-op management prior to endometrial ablation/fibroid surgery)		
Goserelin/Leuprorelin/Triptorelin - Licensed Indications (Prostate cancer for all and breast cancer for 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)		
6.7.3 Metyrapone		
Metyrapone		RESTRICTED Specialist use only
 250mg capsules		  
6.7.4 Somatomedins		
Mecasermin		RESTRICTED Specialist use only
		   
10mg/mL injection		 

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

Heavy menstrual bleeding: assessment and management (NG88)
Long-acting reversible contraception (CG30)
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)
Intrapartum care for healthy women and babies (CG190)
Antenatal and postnatal mental health: clinical management and service guidance (CG192)
Overactive bladder - mirabegron (TA290)
Pentosan polysulfate sodium for treating bladder pain syndrome (TA610)

GMMM Formulary

Formulary Homepage
Chapter 7: Obstetrics, gynaecology & urinary tract disorders (Complete)
GMMM Adult **Red/Amber/Green**; DNP and Grey Drug List
GMMM Paediatric **Red/Amber/Green** Drug List

7.1 Drugs used in Obstetrics



7.1.1 Prostaglandins & oxytocics

NICE CG70

Carboprost

Red

injection

BNF emc

Ergometrine Maleate

Red

injection

BNF emc

Gemeprost

Red

pessaries

BNF emc

Oxytocin

Red

injection

BNF emc

Dinoprostone

Red

injection; pessaries; vaginal gel; vaginal tablet

MMC BNF emc

RESTRICTED
Obs & Gynae Consultants only

7.1.1.1 Drugs affecting the ductus arteriosus

(see BNFC section 2.14)

Maintenance of patency

Alprostadil

Red

infusion

BNF emc

Closure of the ductus arteriosus

Indometacin

Red

injection

BNF emc

7.1.2 Mifepristone

Mifepristone

Red

tablets

BNF emc

7.1.3 Myometrial relaxants

Atosiban

Atosiban

Red

infusion; injection

MMC BNF emc

RESTRICTED
Obs & Gynae Consultants only

Beta₂ agonists

Salbutamol

Red

injection (see also section 3.1.1.1)

BNF emc

Terbutaline Sulfate

Red

injection (see also section 3.1.1.1)

BNF emc

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

7.3 Contraceptives		GMMMG
7.3.1 Combined hormonal contraceptives		NICE CG30
Ethinylestradiol with Levonorgestrel		NICE NG88
TriRegol®		
tablets	 	
Microgynon 30®		
tablets	 	
Ovranette®		
tablets	 	
Ethinylestradiol with Norethisterone		
Loestrin 20®		
tablets	 	
Loestrin 30®		
tablets	 	
Norimin®		
tablets	 	
Ethinylestradiol with Norgestimate		
Cilest®		
tablets	 	
Ethinylestradiol with Desogestrel		
Munalea®		2 nd line due to increased risk of VTE
tablets	 	
Mercilon®		2 nd line due to increased risk of VTE
tablets	 	
Ethinylestradiol with Gestodene		
Femodene®		2 nd line due to increased risk of VTE
tablets	 	
Aidulan®		2 nd line due to increased risk of VTE
20microgram / 75 microgram tablets	 	
Mestranol with Norethisterone		
Norinyl-1®		2 nd line due to increased risk of VTE
tablets	 	
7.3.2 Progestogen-only contraceptives		
7.3.2.1 Oral progestogen-only contraceptives		
Desogestrel		
Cerazette® 75 microgram tablets	 	
Levonorgestrel		
Norgeston® 35 microgram tablets	 	
Norethisterone		
Noriday® 350 microgram tablets	 	

MFT Formulary v7.2.7 (September 2020)		Section 7	Obs., Gynae urinary tract disorders
7.3.2.2 Parenteral progestogen-only contraceptives			
Injectable preparations			
Medroxyprogesterone Acetate (<i>Depo-Provera</i> ®)			
150mg/mL intramuscular injection	 		
Medroxyprogesterone Acetate (<i>Sayana Press</i> ®)			
160mg/mL subcutaneous injection	  		
Implants			
Etonogestrel			2nd line as per MMC
<i>Nexplanon</i> ® 68mg subdermal implant	   		
7.3.2.3 Intra-uterine progestogen-only device			
Levonorgestrel (<i>Mirena</i> ®)			
20micrograms/24 hours IUD	 		
Levonorgestrel (<i>Jaydess</i> ®)			RESTRICTED Specialist use Tertiary Services only
13.5mg IUD	  		
Levonorgestrel (<i>Kyleena</i> ®)			RESTRICTED Specialist use Tertiary Services only
19.5mg IUD	  		
7.3.5 Emergency contraception			
Levonorgestrel			
<i>Levonelle</i> ® 1500 microgram tablets	 		
Ulipristal Acetate			RESTRICTED emergency contraception (SARC)
<i>ellaOne</i> ® 30mg tablets	  		
Assisted Reproductive Technology (ART) cycles			
Progesterone			RESTRICTED ART cycles 2nd line
<i>Utrogestan</i> ® 100mg; 200mg vaginal capsules	  		

7.4 Drugs for genito-urinary disorders

7.4.1 Drugs for urinary retention

Alpha blockers

Alfuzosin Hydrochloride

tablets

BNF emc

Tamsulosin Hydrochloride

capsules, tablets

BNF emc

7.4.2 Drugs for urinary, enuresis & incontinence

Urinary incontinence

Oxybutynin Hydrochloride

oral solution; patch; tablets

NICE MMC BNF emc

Darifenacin Hydrobromide

tablets

NICE MMC BNF emc

Tolterodine Tartrate

capsules, tablets

NICE MMC BNF emc

Solifenacin Succinate

tablets

MMC BNF emc

Duloxetine

capsules

MMC BNF emc

Trospium Chloride

capsules; tablets

MMC BNF emc

Mirabegron

tablets

NICE MMC BNF emc

Nocturnal enuresis

Amitriptyline

oral solution; tablets (see also section 4.3.1)

BNF emc

Desmopressin

injection; nasal spray; tablets (see also section 6.5.2)

MMC BNF emc

7.4.3 Drugs used in urological pain

Methionine

tablets

BNF emc

Pentosan Polysulfate Sodium

capsules

NICE MMC BNF emc

Potassium Citrate

tablets

BNF emc



NICE CG97

NICE CG111

NICE CG171

1st line

NICE CG171

1st line in OAB

1st line in OAB

1st line in OAB

2nd line in OAB
patients failed / intolerant to oxybutynin

RESTRICTED
1^{RY} Care referral only

RESTRICTED
in line with TA290 / Paeds 3rd line



RESTRICTED
Haematology Consultants only

RESTRICTED
resistant calcium phosphate lithiasis



RESTRICTED
Urology Cons. in line with NICE

7.4.4 Bladder instillations & urological surgery			
Chlorhexidine			
0.02% irrigation solution	 		
Dimethyl Sulfoxide			
			
50% solution	 		
Glycine			
1.5% irrigation solution	 		
Sodium Chloride			
0.9% irrigation solution	 		
Sodium Citrate			
3% irrigation solution	 		
Sodium Hyaluronate			RESTRICTED Urology Consultants only
			
Cystistat® bladder instillation	  		

7.4.5 Drugs for erectile dysfunction	
Alprostadil Green cream; injection; urethral sticks MMCBNF	RESTRICTED Urology Consultants only
Aviptadil with Phentolamine Green Invicorp® injection MMCBNF	RESTRICTED Urology Consultants only
Sildenafil Green or Red PAH injection; oral suspension; tablets MMCBNF	RESTRICTED 1^{RY} Care referral only
Tadalafil Green or Red PAH tablets MMCBNF	RESTRICTED 1^{RY} Care referral only
Vardenafil tablets MMCBNF	RESTRICTED 1^{RY} Care referral only
7.4.6 Drugs for premature ejaculation	
NOT STOCKED	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: diagnosis and management (NG101)
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)
Burosumab for treating X-linked hypophosphataemia in children and young people (HST8)
Temozolomide for malignant glioma (TA23)
Leukaemia (lymphocytic) - fludarabine (TA29)
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)
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)
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 (1 st line metastatic) - pazopanib (TA215)
Bendamustine for the first-line treatment of chronic lymphocytic leukaemia (TA216)
Myelodysplastic syndrome - azacitidine (TA218)
Lymphoma (follicular non-Hodgkin's) - rituximab (TA226)
Multiple myeloma (1 st 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 1 st line treatment of advanced ovarian cancer (TA284)
Ovarian, fallopian tube & primary peritoneal cancer - bevacizumab (TA285)
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)
 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)
 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)
 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 Waldenström'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)
 Pertuzumab with trastuzumab and docetaxel for treating HER2-positive breast cancer (TA509)

Daratumumab monotherapy for treating relapsed and refractory multiple myeloma (TA510)
 Tivozanib for treating advanced renal cell carcinoma (TA512)
 Obinutuzumab for untreated advanced follicular lymphoma (TA513)
 Regorafenib for previously treated advanced hepatocellular carcinoma (TA514)
 Eribulin for treating locally advanced or metastatic breast cancer after 1 chemotherapy regimen (replaces TA250) (TA515)
 Cabozantinib for treating medullary thyroid cancer (TA516)
 Avelumab for treating metastatic Merkel cell carcinoma (TA517)
 Pembrolizumab for treating locally advanced or metastatic urothelial carcinoma (TA519)
 Atezolizumab for treating locally advanced or metastatic non-small-cell lung cancer after chemotherapy (TA520)
 Pembrolizumab for untreated locally advanced or metastatic urothelial cancer when cisplatin is unsuitable (TA522)
 Midostaurin for untreated acute myeloid leukaemia (TA523)
 Brentuximab vedotin for treating CD30-positive Hodgkin lymphoma (replaces TA446) (TA524)
 Atezolizumab for treating locally advanced or metastatic urothelial carcinoma (TA525)
 Arsenic trioxide for treating acute promyelocytic leukaemia (TA526)
 Beta interferons and glatiramer acetate for treating multiple sclerosis (replaces TA32) (TA527)
 Niraparib for maintenance treatment of relapsed, platinum-sensitive ovarian, fallopian tube and peritoneal cancer (TA528)
 Crizotinib for treating ROS1-positive advanced non-small-cell lung cancer (TA529)
 Nivolumab for treating locally advanced unresectable or metastatic urothelial cancer (TA530)
 Pembrolizumab for untreated PD-L1-positive metastatic non-small-cell lung cancer (TA531)
 Ocrelizumab for treating relapsing–remitting multiple sclerosis (TA533)
 Lenvatinib and sorafenib for treating differentiated thyroid cancer after radioactive iodine (TA535)
 Alectinib for untreated ALK-positive advanced non-small-cell lung cancer (TA536)
 Dinutuximab beta for treating neuroblastoma (TA538)
 Lutetium (177Lu) oxodotreotide for treating unresectable or metastatic neuroendocrine tumours (TA539)
 Pembrolizumab for treating relapsed or refractory classical Hodgkin lymphoma (TA540)
 Inotuzumab ozogamicin for treating relapsed or refractory B-cell acute lymphoblastic leukaemia (TA541)
 Cabozantinib for untreated advanced renal cell carcinoma (TA542)
 Dabrafenib with trametinib for adjuvant treatment of resected BRAF V600 mutation-positive melanoma (TA544)
 Gemtuzumab ozogamicin for untreated acute myeloid leukaemia (TA545)
 Padeliporfin for untreated localised prostate cancer (TA546)
 Vandetanib for treating medullary thyroid cancer (TA550)
 Lenvatinib for untreated advanced hepatocellular carcinoma (TA551)
 Liposomal cytarabine–daunorubicin for untreated acute myeloid leukaemia (TA552)
 Pembrolizumab for adjuvant treatment of resected melanoma with high risk of recurrence (TA553)
 Tisagenlecleucel for treating relapsed or refractory B-cell acute lymphoblastic leukaemia in people aged up to 25 years (TA554)
 Regorafenib for previously treated advanced hepatocellular carcinoma (TA555)
 Pembrolizumab with pemetrexed & platinum chemotherapy for untreated, metastatic, non-squamous NSCLC (TA557)
 Nivolumab for adjuvant treatment of completely resected melanoma with lymph node involvement or metastatic disease (TA558)
 Axicabtagene ciloleucel for treating diffuse large B-cell lymphoma and primary mediastinal large B-cell lymphoma (TA559)
 Venetoclax with rituximab for previously treated chronic lymphocytic leukaemia (TA561)
 Encorafenib with binimetinib for unresectable or metastatic BRAF V600 mutation-positive melanoma (TA562)
 Abemaciclib for previously untreated, locally advanced or metastatic breast cancer (TA563)
 Tisagenlecleucel for treating relapsed or refractory diffuse large B-cell lymphoma after 2 or more systemic therapies (TA567)
 Pertuzumab for adjuvant treatment of HER2-positive early stage breast cancer (TA569)
 Brigatinib for treating ALK-positive advanced non-small-cell lung cancer after crizotinib (TA571)
 Daratumumab with bortezomib and dexamethasone for previously treated multiple myeloma (TA573)
 Brentuximab vedotin for treating CD30-positive cutaneous T-cell lymphoma (TA577)
 Durvalumab for treating locally advanced unresectable non-small-cell lung cancer after platinum-based chemoradiation (TA578)
 Abemaciclib with fulvestrant for treating hormone receptor-positive, HER2-negative advanced breast cancer (TA579)
 Enzalutamide for hormone-relapsed non-metastatic prostate cancer (TA580)
 Nivolumab with ipilimumab for untreated advanced renal cell carcinoma (TA581)
 Atezolizumab in combination for treating metastatic non-squamous non-small-cell lung cancer (TA584)
 Ocrelizumab for treating primary progressive multiple sclerosis (TA585)
 Lenalidomide plus dexamethasone for multiple myeloma after 1 treatment with bortezomib (TA586)
 Lenalidomide plus dexamethasone for previously untreated multiple myeloma (TA587)
 Blinatumomab for treating acute lymphoblastic leukaemia in remission with minimal residual disease activity (TA589)
 Cemiplimab for treating metastatic or locally advanced cutaneous squamous cell carcinoma (TA592)
 Ribociclib with fulvestrant for treating hormone receptor-positive, HER2-negative, advanced breast cancer (TA593)
 Dacomitinib for untreated EGFR mutation-positive non-small-cell lung cancer (TA595)
 Olaparib for maintenance treatment of BRCA mutation-positive advanced ovarian, fallopian tube or peritoneal cancer (TA598)
 Pembrolizumab with carboplatin and paclitaxel for untreated metastatic squamous non-small-cell lung cancer (TA600)
 Rucaparib for maintenance treatment of relapsed platinum-sensitive ovarian, fallopian tube or peritoneal cancer (TA611)
 Neratinib for extended adjuvant treatment of hormone receptor-positive, HER2-positive early stage breast cancer (TA612)
 Cladribine for treating relapsing–remitting multiple sclerosis (TA616)
 Palbociclib with fulvestrant for treating hormone receptor-positive, HER2-negative, advanced breast cancer (TA619)
 Olaparib for maintenance treatment of relapsed platinum-sensitive ovarian, fallopian tube or peritoneal cancer (TA620)
 Peginterferon beta-1a for treating relapsing–remitting multiple sclerosis (TA624)
 Lenalidomide with rituximab for previously treated follicular lymphoma (TA627)
 Lorlatinib for previously treated ALK-positive advanced non-small-cell lung cancer (TA628)
 Obinutuzumab with bendamustine for treating follicular lymphoma after rituximab (replacing TA472) (TA629)
 Larotrectinib for treating NTRK fusion-positive solid tumours (TA630)
 Trastuzumab emtansine for adjuvant treatment of HER2-positive early breast cancer (TA632)
 Atezolizumab with carboplatin and etoposide for untreated extensive-stage small-cell lung cancer (TA638)
 Atezolizumab for untreated PD-L1-positive, locally advanced or metastatic, triple-negative breast cancer (TA639)
 Treosulfan with fludarabine for malignant disease before allogeneic stem cell transplant (TA640)
 Brentuximab vedotin in combination for untreated systemic anaplastic large cell lymphoma (TA641)
 Gilteritinib for treating relapsed or refractory acute myeloid leukaemia (TA642)
 Entrectinib for treating ROS1-positive advanced non-small-cell lung cancer (TA643)

Entrectinib for treating NTRK fusion-positive solid tumours (TA644)
Avelumab with axitinib for untreated advanced renal cell carcinoma (TA645)
Polatuzumab vedotin with rituximab and bendamustine for treating relapsed or refractory diffuse large B-cell lymphoma (TA649)
Pembrolizumab with axitinib for untreated advanced renal cell carcinoma (TA650)

GMMM Formulary

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

8.1 Cytotoxic drugs		GMMMG
8.1 Cytotoxic drugs		
Dexrazoxane		RESTRICTED Haematology Consultants only
Red££		
infusion	PbR XMMCBNFemc	
Folinic Acid (as calcium folinate)		RESTRICTED Haematology Consultants only
Red		
tablets; injection	BNFemc	
Mesna		RESTRICTED Haematology Consultants only
Red		
tablets; injection	BNFemc	
Palifermin		RESTRICTED Haematology Consultants only
Red		
injection	MMCBNFemc	
8.1.1 Alkylating drugs		
Busulfan		RESTRICTED Haematology Consultants only
Red		
infusion	MMCBNFemc	
Bendamustine		RESTRICTED Haematology Consultants only
Red££		
infusion	PbR XNICEMMCblueveqBNFemc	MHRA
Carmustine		RESTRICTED Haematology Consultants only
Red		
infusion	NICEBNFemc	
Chlorambucil		RESTRICTED Haematology Consultants only
Red		
tablets	NICEBNFemc	
Cyclophosphamide		RESTRICTED Haematology Consultants only
Red		
injection; tablets; oral suspension	MMCBNFemc	
Ifosfamide		RESTRICTED Haematology Consultants only
Red		
injection	BNFemc	
Lomustine		RESTRICTED Haematology Consultants only
Red		
capsules	BNFemc	
Melphalan		RESTRICTED Haematology Consultants only
Red		
injection; tablets	BNFemc	
Treosulfan		RESTRICTED Adult Haematology / Paediatric Haematology / Oncology
Red		
injection	NICEMMCBNFemc	

8.1.2 Anthracacyclines & other cytotoxic antibiotics		
Bleomycin Red	BNF emc	RESTRICTED Haematology Consultants only
injection		
Daunorubicin Red	BNF emc	RESTRICTED Haematology Consultants only
injection		
Doxorubicin Hydrochloride Red ££	PbR X NICE MMC BNF blue emc	RESTRICTED Haematology Consultants only
infusion; injection		
Idarubicin Red	BNF emc	RESTRICTED Haematology Consultants only
capsules; injection		
Mitomycin Red	MMC BNF emc	RESTRICTED Consultants only
injection		
Mitoxantrone Red	BNF emc	RESTRICTED Haematology Consultants only
infusion		
Pixantrone Red ££	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only
infusion		
8.1.3 Antimetabolites		NICE CG81
		NICE CG131
Azacitidine Red ££	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only
injection		
Capecitabine Red	NICE MMC BNF emc	
tablets		
Cladribine Red ££	PbR X NICE MMC BNF blue emc	RESTRICTED Haematology Consultants only
infusion; injection		
Clofarabine Red ££	PbR X BNF blue emc	RESTRICTED Haematology Consultants only
infusion		
Cytarabine Red	MMC BNF emc	RESTRICTED Haematology Consultants only
injection		
Cytarabine / Daunorubicin Red ££	PbR X NICE MMC BNF blue emc	RESTRICTED Haematology Consultants only
Vyxeos® 100mg/44mg infusion		
Fludarabine Red	NICE BNF emc	RESTRICTED Haematology Consultants only
injection; tablets		
Gemcitabine Red	PbR X NICE BNF emc	RESTRICTED Haematology Consultants only
infusion		
Mercaptopurine Red	BNF emc	
oral suspension; tablets (see also section 1.5.3)		
Methotrexate Red	MMC BNF emc	
infusuion; injection; oral solution; tablets (see sections 1.5.3, 10.1.3 & 13.5.3)		
Pemetrexed Red ££	PbR X NICE MMC BNF blue emc	RESTRICTED Respiratory Consultants only in line with TA402
injection		
8.1.4 Vinca alkaloids & etoposide		
Etoposide Red	BNF emc	RESTRICTED Haematology Consultants only
capsules; infusion		
Vinblastine Sulfate Red	BNF emc	RESTRICTED Haematology Consultants only
injection		
Vincristine Sulfate Red	BNF emc	RESTRICTED Haematology Consultants only
injection		

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8.1.5 Other antineoplastic drugs		
Acalabrutinib Red U infusion	PbR X MMC BNF blue teq emc	RESTRICTED Haem. Consultants only for CLL under EAP
Arsenic Trioxide Red ££ infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haem. Consultants only / also in line with NICE TA526
Asparaginase e-coli Red infusion	MMC BNF for children emc	RESTRICTED Haematology Consultants only
Axicabtagene ciloleucel Red ££ Yescarta® infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED in line with CDF criteria and NICE TA559
Bortezomib Red ££ injection	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only
Brentuximab Vedotin Red ££ infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only
Cabozantinib Red ££ tablets; capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
Carfilzomib Red ££ infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
Ceritinib Red ££ capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
Cetuximab Red ££ infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
Crisantaspase Red ££ injection	BNF for children BNF emc	RESTRICTED Haematology Consultants only
Dacarbazine Red injection	BNF for children BNF emc	RESTRICTED Haematology Consultants only
Durvalumab Red ££ infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
Entrectinib Red ££ injection	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist Consultant use only in line with NICE
Eribulin Red ££ injection	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
Erlotinib Red ££ tablets	PbR X NICE MMC BNF emc	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
Everolimus Red ££ tablets	PbR X NICE MMC BNF for children BNF emc	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
Hydroxycarbamide Red capsules; tablets (see below)	BNF for children BNF emc	RESTRICTED Haematology Consultants only
Ipilimumab Red ££ infusion	PbR X NICE MMC BNF for children BNF emc	RESTRICTED Dermatology Consultants only in line with NICE NOT STOCKED 
Ixazomib Red ££ capsules	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only in line with NICE
Lorlatinib Red ££ Lorviqua® tablets	PbR X NICE MMC BNF emc	RESTRICTED Respiratory Consultants only in line with NICE
Midostaurin Red ££ Rydapt® capsules	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only in line with NICE

Nintedanib esilate   Ofev® capsules	     	RESTRICTED Respiratory Consultants only in line with NICE
Nintedanib esilate   Vargatef® capsules	     	RESTRICTED Respiratory Consultants only in line with NICE NOT STOCKED
Niraparib   Zejula® capsules	     	RESTRICTED Gynaecology Consultants only in line with NICE NOT STOCKED
Panitumumab   infusion	     	RESTRICTED Haematology Consultants only in line with NICE NOT STOCKED
Panobinostat   capsules	    	RESTRICTED Haematology Consultants only in line with TA380
Pegaspargase   Oncaspar® injection	    	RESTRICTED Haematology Consultants only
Pembrolizumab   infusion	    	RESTRICTED Specialist use only in line with NICE
Pentostatin   infusion	 	RESTRICTED Haematology Consultants only
Pertuzumab   infusion	     	RESTRICTED Specialist Consultant use only in line with NICE NOT STOCKED
Procarbazine   capsules	  	RESTRICTED Haematology Consultants only
Sorafenib   tablets	     	RESTRICTED Haematology Consultants only on line with NICE
Talimogene Laherparepvec   injection	     	RESTRICTED Dermatology Consultants only in line with TA410
Tisagenlecleucel   Kymriah® infusion	    	RESTRICTED in line with CDF criteria and NICE TA554 / TA567
Trastuzumab   infusion; injection	     	RESTRICTED Specialist use only in line with NICE
Venetoclax   tablets	     	RESTRICTED Specialist use only in line with NICE TA

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Bosutinib Red ££ <i>Bosulif</i>® tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only in line with TA401
Brigatinib Red ££ <i>Alunbrig</i>® tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Crizotinib Red ££ <i>Xalkori</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Dabrafenib Red ££ <i>Tafinlar</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Dacomitinib Red ££ <i>Vizimpro</i>® tablets	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Dasatinib Red ££ <i>Sprycel</i>® tablets; powder for oral suspension	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only
Encorafenib Red ££ <i>Braftovi</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Gefitinib Red ££ tablets	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Gemtuzumab ozogamicin Red ££ <i>Mylotarg</i>® injection	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only
Gilteritinib fumarate Red ££ <i>Xospata</i>® tablets	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only
Ibrutinib Red ££ <i>Imbruvica</i>® capsules; tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haem. Consultants only / also in line with NICE 
Idelalisib Red ££ <i>Zydelig</i>® tablets	PbR X NICE MMC BNF emc	RESTRICTED Specialist use only in line with NICE TA359
Imatinib Red ££ tablets	PbR X NICE MMC BNF BNF emc	RESTRICTED Haematology Consultants only
Inotuzumab ozogamicin Red ££ <i>Besponsa</i>® 1mg solution for infusion	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only
Larotrectinib sulfate Red ££ <i>Vitrakvi</i>® 20mg/mL oral solution	PbR X NICE MMC BNF blue teq emc	RESTRICTED Consultants only in line with NICE
Lenvatinib Red ££ <i>Kisplyx</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE TA498 NOT STOCKED
Lenvatinib Red ££ <i>Lenvima</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE TA535 / 551 NOT STOCKED
Neratinib Red ££ <i>Nerlynx</i>® tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE TA612 NOT STOCKED
Nilotinib Red ££ <i>Tasigna</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Haematology Consultants only
Osimertinib Red ££ <i>Tagrisso</i>® tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE TA416 NOT STOCKED
Palbociclib Red ££ <i>Ibrance</i>® capsules	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Ponatinib Red ££ <i>Iclusig</i>® tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE TA451 

Regorafenib Red ££ Stivarga® 40mg tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE TA488 / TA555 NOT STOCKED
Ribociclib Red ££ Kisqali® 200mg tablets	PbR X NICE MMC BNF blue teq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Ruxolitinib Red ££ Jakavi® tablets	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only in line with TA386

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8.2 Drugs affecting the immune response				
8.2.1 Antiproliferative immunosuppressants				
Azathioprine Amber tablets; oral solution; injection (see also sections 1.5.3; 10.1.3 & 13.5.3)				PbR X NICE MMC  BNF emc
Mycophenolate Mofetil Amber capsules; tablets; oral suspension; infusion				PbR X NICE MMC  BNF emc
Belatacept U ££ <i>Nulojix</i> ® 25mg/mL injection				PbR X NICE MMC BNF emc RESTRICTED Renal Transplant Consultants only NOT STOCKED
8.2.2 Corticosteroids & other immunosuppressants				
Tacrolimus Amber capsules; tablets; ointment; oral suspension; infusion; sachets				PbR X NICE MMC  BNF emc
Antithymocyte immunoglobulin (Rabbit) ££ injection				PbR X NICE  BNF emc
Ciclosporin (Deximune®) & I.V. (Sandimmun®) Amber ££ capsules; oral solution; injection				PbR X NICE MMC BNF emc
Sirolimus Amber ££ oral solution; tablets				PbR X NICE MMC  BNF emc RESTRICTED Renal Consultants only
Basiliximab Red ££ <i>Simulect</i> ® injection				PbR X NICE MMC  BNF emc RESTRICTED Renal Consultants only
Immunosuppressants - e.g. ciclosporin, tacrolimus, sirolimus				Amber Red no SCP
8.2.3 Anti-lymphocyte monoclonal antibodies				
Alemtuzumab Red ££ <i>Lemtrada</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Renal Consultants only under Patient Access Scheme 
Atezolizumab Red ££ <i>Tecentriq</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Specialist Consultants in line with NICE
Avelumab Red ££ <i>Bavencio</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Specialist Consultants in line with NICE
Blinatumomab Red ££ <i>Blincyto</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Haematology Consultants only in line with NICE
Burosumab Red ££ <i>Crysvita</i> ® injection				PbR X NICE MMC BNF emc  bluebird RESTRICTED X-linked hypophosphatemia
Daratumumab Red ££ <i>Darzalex</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Haematology Consultants only in line with NICE
Isatuximab Red ££ infusion				PbR X MMC BNF emc  bluebird RESTRICTED Haematology Consultants only in line with EAMS 
Obinutuzumab Red ££ <i>Gazyvaro</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Haematology Consultants only in line with NICE
Pertuzumab Red ££ <i>Perjeta</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Haematology Consultants only in line with NICE
Polatuzumab vedotin Red ££ <i>Polivy</i> ® infusion				PbR X NICE MMC BNF emc  bluebird RESTRICTED Haematology Consultants only in line with NICE
Rituximab Red ££ injection; infusion (see also section 10.1.3)				PbR X NICE MMC  BNF emc  bluebird RESTRICTED Consultants only in line with NICE / NHSE

8.2.4 Other immunomodulating drugs		
Interferon alfa		
Interferon alfa-2a		
Red ££ Roferon-A® injection PbR X BNF BNF emc		
Interferon alfa-2b		
Red ££ IntronA® PbR X BNF BNF emc		
Peginterferon alfa-2a		RESTRICTED Gastro Consultants only
Red ££ Pegasys® PbR X NICE MMC BNF emc		
Peginterferon alfa-2b		RESTRICTED Gastro Consultants only
Red ££ ViraferonPeg® PbR X MMC BNF emc		
Interferon beta		
Interferon beta-1a		RESTRICTED Specialist use only in line with NICE TA527 NOT STOCKED
Red ££ injection PbR X NICE MMC BNF emc blue teq		
Interferon beta-1b		RESTRICTED Specialist use only in line with NICE TA527 NOT STOCKED
Red ££ injection PbR X NICE MMC BNF emc blue teq		
BCG bladder instillation		
BCG bladder instillation		RESTRICTED Specialist use only
Red OncoTICE® BNF emc		
Dimethyl Fumarate		
Dimethyl Fumarate		RESTRICTED Specialist use only in line with NICE TA320
Red ££ Tecfidera® capsules PbR X NICE MMC BNF emc blue teq		
Fingolimod		
Fingolimod Hydrochloride		RESTRICTED Specialist use only in line with NICE TA254
Red ££ Gilenya® capsules PbR X NICE MMC BNF emc blue teq		
Other Agents		
Canakinumab		RESTRICTED Specialist use in line with NHSE
Red ££ ilaris 150mg/mL injection PbR X MMC BNF emc blue teq		
Cemiplimab		RESTRICTED Specialist use in line with CDF & NICE
Red ££ 50mg/mL injection PbR X NICE MMC BNF emc blue teq		
Dinutuximab beta		RESTRICTED Specialist use in line with CDF & NICE
Red ££ Qarziba® 4.5mg/mL injection PbR X NICE MMC BNF emc blue teq		
Glatiramer acetate		RESTRICTED Specialist use only in line with NICE TA527 NOT STOCKED
Red ££ injection PbR X NICE MMC BNF emc blue teq		
Lenalidomide		RESTRICTED Haematology Consultants only
Red ££ Revlimid® capsules PbR X NICE MMC BNF emc blue teq		

Mifamurtide Red ££ <i>Mepact</i>® Intravenous infusion	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE TA235 NOT STOCKED
Natalizumab Red ££ <i>Tysabri</i>® 300mg infusion	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE TA127 NOT STOCKED
Nivolumab Red ££ <i>Opdivo</i>® 10mg/mL infusion	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE 
Ocrelizumab Red ££ <i>Ocrevus</i>® 30mg/mL infusion	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE TA533 / TA585 NOT STOCKED
Olaparib Red ££ capsules; tablets	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Pomalidomide Red ££ capsules	PbR X NICE MMC BNF blueteq emc	RESTRICTED Haematology only / also in line with NICE TA427
Rucaparib Red ££ tablets	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE NOT STOCKED
Teriflunomide Red ££ tablets	PbR X NICE MMC BNF blueteq emc	RESTRICTED Specialist use only in line with NICE TA303 NOT STOCKED
Thalidomide Red ££ capsules	PbR X NICE MMC BNF emc	RESTRICTED Haematology Consultants only

8.3 Sex hormones & hormone antagonists in malignant disease



8.3.1 Oestrogens

Diethylstilbestrol

RESTRICTED
Specialist use only

tablets  

8.3.2 Progestogens

Medroxyprogesterone Acetate

RESTRICTED
Specialist use only

tablets  

Megestrol Acetate

RESTRICTED
Specialist use only

tablets  

8.3.3 Androgens

Testolactone

RESTRICTED
Specialist use only

tablets  

8.3.4 Hormone Antagonists

8.3.4.1 Breast Cancer

NICE NG101

Aminoglutethimide

RESTRICTED
Specialist use only

tablets  

Anastrozole

    

tablets    

Exemestane

RESTRICTED
Specialist use only



tablets    

Letrozole

RESTRICTED
Specialist use only



tablets   

Tamoxifen

RESTRICTED
Specialist use only



tablets; oral solution   

8.3.4.2 Gonadorelin analogues & gonadotrophin-releasing hormone antagonists

Gonadorelin analogues

Buserelin

RESTRICTED
Specialist use only



injection; nasal spray (see also section 6.7.2)  

Goserelin

RESTRICTED
Specialist use only

 

implant (also section 6.7.2)  

Leuprorelin Acetate

RESTRICTED
Specialist use only

 

injection (also section 6.7.2)  

Triptorelin

RESTRICTED
Specialist use only

 

injection (also section 6.7.2)  

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	
Bicalutamide Green tablets BNFemc	RESTRICTED Specialist use only
Cyproterone Acetate Amber tablets (see also section 6.4.2) BNFemc	RESTRICTED Specialist use only
Flutamide tablets BNFemc	RESTRICTED Specialist use only
Enzalutamide Red ££ tablets PbR XNICEMMCBNFemc	RESTRICTED Specialist use only
Abiraterone Red ££ Zytiga® tablets PbR XNICEMMCblueBNTFemc	RESTRICTED Specialist use only
Gonadotrophin-releasing hormone antagonists	
Degarelix Amber Firmagon® 80mg; 120mg injection NICEMMCblueBNTFemc	RESTRICTED Specialist use only in line with NICE TA404
Other	
Radium-223 dichloride Red ££ Xofigo® 1,100 kBq/mL injection PbR XNICEMMCblueBNTFemc MHRA	RESTRICTED Specialist use only in line with NICE TA412
8.3.4.3 Somatostatin analogues	
Lanreotide Red ££ injection PbR XMMCblueBNTFemc	RESTRICTED Consultant only - acromegaly
Octreotide Red ££ injection PbR XMMCblueBNTFemc	RESTRICTED 3 rd line use Gastro. Consultant only
Lutetium (¹⁷⁷Lu) oxodotreotide Red ££ Lutathera® injection PbR XNICEMMCblueBNTFemc	RESTRICTED Specialist use only in line with NICE TA539 NOT STOCKED

8.4 Miscellaneous preparations			GMMMG
Glucarpidase U ££ Voraxaze® 1,000 unit injection (see also sections 1.10, 10.4 & 13.14)			RESTRICTED 2nd line rescue therapy
Trifluridine / Tipiracil hydrochloride Red ££ tablets			RESTRICTED Specialist use only in line with NICE TA405 NOT STOCKED

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

Preventing recurrent hypomagnesaemia: oral magnesium glycerophosphate (ESUOM4)
Coeliac disease: recognition, assessment and management (NG20)
Nutrition support in adults (CG32)
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)
Hyperparathyroidsim - 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)
Sodium zirconium cyclosilicate for treating hyperkalaemia (TA599)
Lusutrombopag for treating thrombocytopenia in people with chronic liver disease needing a planned invasive procedure (TA617)
Patiromer for treating hyperkalaemia (TA623)
Avatrombopag for treating thrombocytopenia in people with chronic liver disease needing a planned invasive procedure (TA626)

GMMMG Formulary

Formulary Homepage
Chapter 9: Nutrition & Blood (Complete)
GMMMG Adult Red / Amber / Green ; DNP and Grey Drug List
GMMMG Paediatric Red / Amber / Green Drug List

9.1 Anaemias and some other blood disorders		
9.1.1 Iron deficiency anaemias		
9.1.1.1 Oral iron		
Ferrous Sulfate		1 st line use
tablets	 	STANDARD PREPARATIONS ONLY
Ferrous Fumarate		
tablets; oral solution	 	
Sodium Feredetate		
oral solution	 	LIQUID PREPARATIONS ONLY
Iron & folic acid		
Ferrous Sulfate		
M/R tablets	 	
Ferrous Fumarate		
capsules; tablets	 	
9.1.1.2 Parenteral iron		
Ferric Carboxymaltose		RESTRICTED
 <i>Ferinject</i> ® injection	  	
Iron (III) Isomaltoside 1000		RESTRICTED
 <i>Monofer</i> ® injection	  	
Iron Sucrose		RESTRICTED
 <i>Venofer</i> ® injection	  	
9.1.2 Drugs used in megaoblastic anaemias		
Hydroxocobalamin		1 st line use
Intramuscular injection	 	
9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias		
Erythropoietins		
Darbepoetin Alfa		RESTRICTED Renal Consultants only
 injection	    	
Epoetin Alfa		RESTRICTED Renal Consultants only
 injection	   	
Epoetin Beta		RESTRICTED Renal Consultants only
 injection	   	
Sickle-cell disease		
Hydroxycarbamide		RESTRICTED Haematology Consultants only
 oral solution; capsules	 	
Iron overload		
Deferasirox		RESTRICTED Haematology Consultants only
  tablets	   	
Deferiprone		RESTRICTED Haematology Consultants only
  tablets	   	
Desferrioxamine Mesilate		RESTRICTED Haematology Consultants only
  injection	  	
Paroxysmal nocturnal haemoglobinuria & atypical haemolytic uraemic syndrome		
Eculizumab		RESTRICTED Haematology Consultants only
  infusion	     	

9.1.4 Drugs used in platelet disorders	
Anagrelide Red ££ capsules PbR X NICE MMC BNF emc BNF blueiq	RESTRICTED Haematology Consultants only
Avatrombopag Red ££ <i>Doptelet</i>® tablets PbR X NICE MMC BNF emc blueiq	RESTRICTED Specialist use only in line with NICE
Eltrombopag Red ££ tablets PbR X NICE MMC BNF emc BNF blueiq	RESTRICTED Haematology Consultants only MHRA
Lusutrombopag Red ££ tablets PbR X NICE MMC BNF emc blueiq	RESTRICTED Specialist use only
Romiplostim Red ££ injection PbR X NICE MMC BNF emc BNF blueiq	RESTRICTED Haematology Consultants only
9.1.6 Drugs used in neutropenia	
Filgrastim Red ££ injection PbR X MMC BNF emc BNF	RESTRICTED Haematology Consultants only
Lenograstim Red ££ injection PbR X BNF emc BNF	RESTRICTED Haematology Consultants only
Pegfilgrastim Red ££ injection PbR X MMC BNF emc BNF	RESTRICTED Paediatric Haem. Consultants only
9.1.7 Drugs used to mobilise stem cells	
Plerixafor Red ££ injection PbR X MMC BNF emc blueiq	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® eeffervescent tablets; Kay-Cee-L® syrup	 
Potassium removal	
Calcium Polystyrene Sulfonate	
Calcium Resonium® powder; enema (unlicensed)	 
Sodium Zirconium Cyclosilicate	
Red	
Lokelma® powder sachets	   
9.2.1.2 Oral sodium and water	
Sodium Chloride (Slow Sodium®)	
600mg M/R tablets	 
Oral Rehydration Therapy (ORT)	
Oral Rehydration Salts (ORS)	
oral powder	 
9.2.1.3 Oral bicarbonate	
Sodium Bicarbonate	
500mg capsules; 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	
infusion; injection	 
Sodium chloride with other ingredients	
Sodium Chloride & Glucose	
infusion	 
Sodium Chloride, Calcium Chloride & Potassium Chloride (Ringer's solution)	
infusion	 
Sodium Chloride, Calcium Chloride, Potassium Chloride & Sodium Lactate	
infusion	 
Intravenous glucose	
Glucose	
infusion	 
Intravenous potassium	
Potassium Chloride and Glucose	
infusion	 
Potassium Chloride and Sodium Chloride	
infusion	 
Potassium Chloride, Sodium Chloride & Glucose	
infusion	 
Bicarbonate and lactate	
Sodium Bicarbonate	
1.26%, 2.74%, 4.2% & 8.4% injection; infusion	 
Water	
Water for Injections	
injection	 

9.2.2.2 Plasma & plasma substitutes	
Dextran	
<i>Dextran 40</i> - 10% in sodium chloride 0.9% infusion	
Dextrose Acid Citrate ACDA	
solution	
Gelatin	
<i>Gelofusine</i> ® infusion	  

9.3 Intravenous nutrition



Prescribers should seek advice from the MFT 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 MFT Nutrician Support Team (pager service 07659 526240) or the Dietetic Support Teams (General x64668; Renal x64478; Gastro x65781)	NICE CG32

9.5 Minerals	
9.5.1 Calcium and magnesium	
9.5.1.1 Calcium supplements	
Oral preparations	
Calcium Carbonate	
Green BNF emc <i>Cacit</i>® effervescent tablets; <i>Calcichew</i>® chewable tablets	
Calcium Carbonate & Calcium Lactate Gluconate	
Green BNF emc <i>Sandocal</i>® 1000 effervescent tablets	
Parenteral preparations	
Calcium Gluconate	
BNF emc 10% injection	
Calcium Chloride	
BNF emc 10% injection	
with vitamin D	
BNF emc see section 9.6.4	
with risedronate sodium & colecalciferol	
BNF emc see section 6.6.2	
9.5.1.2 Hypercalcaemia & hypercalciuria	
Cinacalcet	RESTRICTED as per NICE TA117
Red 2^{ty} HPT Amber 1^{ty} HPT ££ PbR X NICE MMC BNF emc tablets	
Etelcalcetide	RESTRICTED as per NICE TA448
Red ££ PbR X NICE MMC BNF emc blueteq injection	
9.5.1.3 Magnesium	NICE ESUOM4
Magnesium Aspartate Dihydrate	1 st line use
MMC BNF emc <i>Magnaspartate</i>® sachets	
Magnesium Glycerophosphate	
NICE BNF emc chewable tablets; capsules; oral solution; tablets	
Magnesium Sulfate	
BNF emc injection; infusion	
9.5.2 Phosphorus	
9.5.2.1 Phosphate supplements	
Phosphate supplements (<i>Phosphate-Sandoz</i> ®)	Effervescent tabs
BNF emc effervescent tablets	
Phosphates (<i>Polyfusor</i> ®)	I.V. preparation
Red BNF emc infusion	
9.5.2.2 Phosphate-binding agents	NICE CG157
Aluminium Hydroxide	
Green BNF emc capsules	
Calcium Carbonate	
Green BNF emc tablets (see also section 9.5.1.1)	
Calcium Acetate	
Green MMC BNF emc tablets	
Calcium Acetate / Magnesium Carbonate	RESTRICTED Renal Consultants only
Green MMC BNF emc <i>Osvaren</i>® 435mg/235mg tablets	

Lanthanum Green ££ chewable tablets; oral powder MMC BNF emc	RESTRICTED Renal Consultants only
Patiromer Calcium Green ££ Veltassa® oral powder NICE MMC BNF emc	RESTRICTED Consultants only in line with NICE TA623
Sevelamer Carbonate Green ££ tablets PbR X MMC BNF emc	RESTRICTED Renal Consultants only
Sucroferric Oxyhydroxide Red ££ chewable tablets 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		
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		
tablets	 	
Thiamine		
tablets	 	
Vitamin B Compound		
	 	
Vitamin B Compound Strong		
tablets	 	
Vitamins B & C		
<i>Pabrinex</i> ® Intramuscular (IM) & Intravenous (IV) injection	 	
9.6.3 Vitamin C (Ascorbic acid)		
Ascorbic acid		
tablets	 	
9.6.4 Vitamin D		
Alfacalcidol		
Green	 	
capsules; injection; oral drops	 	
Calcitriol		
capsules; oral solution	 	
Vitamin D and calcium		
Colecalciferol		1 st line use
Calcichew D3® Forte tablets	 	
Calcium & Ergocalciferol		
calcium 97mg/vitamin D 400units	 	
Colecalciferol		
<i>Cacit</i> ® 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		
<i>Konakion</i> ® MM & <i>Konakion</i> ® MM Paediatric injection	  	
Menadiol Sodium Phosphate		
oral solution; tablets	  	

9.6.7 Multivitamin preparations	
Vitamins B,C <i>Renavit</i> ® tablets	RESTRICTED
Vitamins A,D,E,K <i>Paravit-CF</i> ® capsules; liquid	RESTRICTED Paediatric CF patients

MMC

BNF

emc

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		
Amber tablets (see also section 10.1.3)		
Trientine Dihydrochloride		3 rd line use
Red  capsules		PbR X 
Carnitine Deficiency		
Levocarnitine		RESTRICTED Specialist use only
Red injection; oral solution		PbR X 
Fabry's disease		
Agalsidase Alfa		RESTRICTED Specialist use only NOT STOCKED
 Replagal® infusion		PbR X 
Migalastat		RESTRICTED Specialist use only (NICE HST4)
Red  Galafold® capsules		PbR X 
Mucopolysaccharidosis		
Galsulfase		RESTRICTED Specialist use only NOT STOCKED
Red  Naglazyme® infusion		PbR X 
Idursulfase		RESTRICTED Specialist use only
Red  Elaprase® infusion		PbR X 
Laronidase		RESTRICTED Specialist use only NOT STOCKED
Red  Aldurazyme® infusion		PbR X 
Elosulfase Alfa		RESTRICTED Specialist use only (NICE HST2)
Red  Vimizim® infusion		PbR X 
Nephropathic cystinosis		
Cystagon® (Mercaptamine)		RESTRICTED Specialist use only
Red  capsules (NB: prescribe as CYSTAGON®)		PbR X 
Tyrosinamia type I		
Nitisinone		RESTRICTED Specialist use only
Red  capsules; oral suspension		PbR X 
Urea cycle disorders		BIMDG
Arginine		RESTRICTED Specialist use only
Red infusion; oral solution		PbR X 
Carglumic Acid		RESTRICTED Specialist use only
Red  dispersible tablets		PbR X 
Citrulline		RESTRICTED Specialist use only
Red powder		PbR X 
Glycerol Phenylbutyrate		RESTRICTED Specialist use only
Red Ravicti® 1.1g/mL oral liquid		PbR X 
Sodium Phenylbutyrate		RESTRICTED Specialist use only
Red  tablets; injection; oral liquid; granules (discontinued)		PbR X 

Homocystinuria			BIMDG	
Betaine Red££ tablets; oral powder			RESTRICTED Specialist use only	
Sodium Benzoate injection; oral solution; tablets; powder			RESTRICTED Specialist use only	
Uridine			RESTRICTED Specialist use only	
Other metabolic disorders				
Asfotase alfa ££ injection			RESTRICTED Specialist use only (NICE HST6)	
Eliglustat ££ capsules			RESTRICTED Specialist use only (NICE HST5)	
Miglustat ££ capsules			RESTRICTED Specialist use only	
9.8.2 Acute porphyrias				
Haem Arginate Red££ infusion				

Section 10: Musculoskeletal & Joint Diseases

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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

10.1.5 Other drugs for rheumatic diseases

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 neuromuscular disorders

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
Neonatal guidelines (link to Staffnet site)
[Non-formulary Conversion Table](#)

NICE Guidance

Biosimilar Medicines (KTT15)
Osteoarthritis (CG177)
Rheumatoid arthritis in adults: management (NG100)
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)
Autologous chondrocyte implantation for treating symptomatic articular cartilage defects of the knee (replaces TA89) (TA477)
Tofacitinib for moderate to severe rheumatoid arthritis (TA480)
Sarilumab for moderate to severe rheumatoid arthritis (TA485)
Lesinurad for treating chronic hyperuricaemia in people with gout (TA506)
Autologous chondrocyte implantation using chondrosphere for symptomatic articular cartilage defects of the knee (TA508)
Tocilizumab for treating giant cell arteritis (TA518)
Ixekizumab for treating active psoriatic arthritis after inadequate response to DMARDs (TA537)
Tofacitinib for treating active psoriatic arthritis after inadequate response to DMARDs (TA543)
Tofacitinib for moderately to severely active ulcerative colitis (TA547)
Nusinersen for treating spinal muscular atrophy (TA588)

GMMMG Formulary

Formulary Homepage
Chapter 10: Musculoskeletal & Joint Diseases (Complete)
GMMMG Adult [Red](#)/[Amber](#)/[Green](#); DNP and Grey Drug List
GMMMG Paediatric [Red](#)/[Amber](#)/[Green](#) Drug List

10.1 Drugs used in rheumatic diseases & gout		
10.1 Drugs used in rheumatic diseases & gout		NICE CG177
10.1.1 Non-steroidal anti-inflammatory drugs (NSAIDs)		NICE NG100
Ibuprofen		1 st line use
200mg; 400mg; 600mg tablets	 	
Naproxen		RESTRICTED - osteoarthritis in line with NICE CG177
250mg; 500mg tablets	 	
Celecoxib		RESTRICTED - acute post-operative pain
100mg; 200mg capsules	  	
Diclofenac Sodium		
50mg tablets	  	
Flurbiprofen		
50mg tablets	 	
Mefenamic Acid		
250mg; 500mg tablets	 	
Meloxicam		
7.5mg; 15mg tablets	 	
Sulindac		
100mg; 200mg tablets	  	
Etodolac		RESTRICTED Consultant Anaesthetist use only
600mg tablets	  	
Phenylbutazone		RESTRICTED Specialist use only, ankylosing spondylitis
100mg; 200mg tablets	 	
10.1.2 Corticosteroids		
10.1.2.1 Systemic corticosteroids		NICE NG100
Prednisolone		
	 	
10.1.2.2 Local corticosteroid injections		NICE NG100
Hydrocortisone Acetate		
25mg/mL injection	 	
Methylprednisolone Acetate		
40mg/mL injection	 	
Triamcinolone Acetonide		
10mg/mL; 40mg/mL injection	 	
Triamcinolone Hexacetonide		RESTRICTED Paediatric Rheumatology Consultants only
20mg/mL injection	  	
10.1.3 Drugs that suppress the rheumatic disease process		
Gold		NICE NG100
Auranofin		RESTRICTED Rheumatology Consultants only
 tablets	 	
Sodium Aurothiomalate		RESTRICTED Rheumatology Consultants only
 injection	 	
Penicillamine		
Penicillamine		RESTRICTED Rheumatology Consultants only
 tablets	 	

Antimalarials			
Hydroxychloroquine			RESTRICTED Rheumatology Consultants only
Amber			
tablets			MMC BNF  emc
Drugs affecting the immune response			NICE NG100
Azathioprine			RESTRICTED Rheumatology Consultants only
Amber			
tablets; injection; oral solution (see also sections 1.5.3, 8.2.1 & 13.5.3)			PbR X BNF  emc
Ciclosporin			RESTRICTED Consultants only
Amber			
capsules; oral solution; injection (see also sections 8.2.2 & 13.5.3)			PbR X MMC BNF  emc
Leflunomide			RESTRICTED Rheumatology Consultants only
Amber			
tablets			MMC BNF emc
Methotrexate			RESTRICTED Consultants only
Amber oral Red parenteral			
tablets; injections (see also sections 1.5.3, 8.1.3 & 13.5.3)			MMC BNF  emc
Cytokine modulators			
Abatacept			RESTRICTED Rheumatology Consultants only
Red ££			
injection; infusion			PbR X NICE MMC BNF  blue teq emc
Adalimumab			RESTRICTED Consultants only in line with NICE
Red ££			
injection (see also sections 1.5.3 & 13.5.3)			PbR X NICE MMC BNF  blue teq emc
Anakinra			RESTRICTED Consultants only in line with NICE
Red ££			
injection			PbR X MMC BNF  blue teq emc
Baricitinib			RESTRICTED Rheumatology Consultants only in line with NICE
Red ££			
2mg; 4mg tablets			PbR X NICE MMC BNF emc
Belimumab			RESTRICTED Consultants only. Financial approval for each patient
Red ££			
infusion			PbR X NICE MMC BNF  blue teq emc
Certolizumab			RESTRICTED Rheumatology Consultants in line with NICE
Red ££			
injection (see also section 13.5.3)			PbR X NICE MMC BNF  emc
Etanercept			RESTRICTED Consultants only; in line with NICE
Red ££			
injection			PbR X NICE MMC BNF  blue teq emc
Golimumab			RESTRICTED Consultants only in line with NICE
Red ££			
injection			PbR X NICE MMC BNF emc
Infliximab			RESTRICTED Consultants only in line with NICE
Red ££			
infusion			PbR X NICE MMC BNF  emc
Ixekizumab			RESTRICTED Consultants only in line with NICE
Red ££			
80mg/1mL injection (see also section 13.5.3)			PbR X NICE MMC BNF emc
Rituximab			RESTRICTED Consultants only in line with NICE / NHSE
Red ££			
injection; infusion (see also section 8.2.3)			PbR X NICE MMC BNF  emc
Sarilumab			RESTRICTED Rheumatology Consultants only in line with NICE
Red ££			
Kevzara® 150mg/1.14mL injection			PbR X NICE MMC BNF emc
Secukinumab			RESTRICTED Rheumatology Consultants only in line with NICE
Red ££			
Cosentyx® 150mg/1mL injection			PbR X NICE MMC BNF emc
Tocilizumab			RESTRICTED Consultants only in line with NICE
Red ££			
infusion			PbR X NICE MMC BNF  blue teq emc
Tofacitinib			RESTRICTED Consultants only in line with NICE
Red ££			
5mg; 10mg tablets (see also section 1.5.3)			PbR X NICE MMC BNF  blue teq emc
Ustekinumab			RESTRICTED Dermatology TA340 / Gastro 3 rd line Crohn's
Red ££			
injection; infusion (see also section 13.5.3)			PbR X NICE MMC BNF  blue teq emc

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10.1.4 Gout and cytotoxic induced hyperuricaemia		
Acute attacks of gout		
Colchicine		
tablets	 	
Long-term control of gout		
Allopurinol		1 st line use
tablets	 	
Febuxostat		RESTRICTED Rheumatology Consultants only 
tablets	   	
Hyperuricaemia associated with cytotoxic drugs		
Rasburicase		RESTRICTED Haematology Consultants only
	 	
Fasturtec® infusion	    	
10.1.5 Other drugs for rheumatic diseases		NICE CG177
		NICE TA477
		NICE TA508

10.2 Drugs used in neuromuscular disorders		
10.2.1 Drugs that enhance neuromuscular transmission		
Anticholinesterases		
Pyridostigmine Bromide		1 st line use
tablets	 	
Neostigmine		
tablets; injection	 	
Edrophonium Chloride		RESTRICTED diagnosis of myasthenia gravis Licensed product discontinued
injection	 	
10.2.2 Skeletal muscle relaxants		
Baclofen		1 st line use
10mg tablets; 5mg/mL oral solution	 	
Dantrolene Sodium		
25mg; 100mg capsules	 	
Diazepam		
tablets; liquid; injection; rectal tube (see also sections 4.1.2, 4.8 & 15.1.4.1)	 	
Tizanidine		RESTRICTED Consultant Neurologist only
Amber		
2mg; 4mg tablets	 	
Nocturnal leg cramps		
Quinine Sulfate		
tablets (see also section 5.4.1)	 	
10.2.3 Drugs used in neuromuscular disorders		
Ataluren		Specialist use only in line with NICE HST3
Red 	     	
oral suspension sachets		
Nusinersen		Specialist use only Named patient access
Red 	     	
injection		

10.3 Drugs for the relief of soft-tissue inflammation		
10.3.1 Enzymes		
Hyaluronidase Red injection 		RESTRICTED extravasation
10.3.2 Rubefacients & other topical antirheumatics		
Piroxicam 0.5% gel 		
Capsaicin cream, patch 		Patch restricted to peripheral neuropathic pain specialists at TGH

10.4 Miscellaneous preparations

Glucarpidase



Voraxaze® 1,000 unit injection (see also sections 1.10, 8.4 & 13.14)

PbR X

MMC



RESTRICTED
2nd line rescue therapy

Section 11: Eye

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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

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

NICE Guidance

Glaucoma: diagnosis and management (NG81)
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)
Ciclosporin 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)
Holoclar for treating limbal stem cell deficiency after eye burns (TA467)
Aflibercept for treating choroidal neovascularisation (TA486)
Cenegermin for treating neurotrophic keratitis (TA532)
Fluocinolone acetonide intravitreal implant for treating recurrent non-infectious uveitis (TA590)

GMMMG Formulary

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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) 	 		RESTRICTED microbial keratitis. Consultant Ophthalmologist only NOT STOCKED
2.5% eye drops	 		
Amphotericin			RESTRICTED Consultant Ophthalmologist only
0.15% eye drops	 		
Azithromycin (ophthalmic) 			RESTRICTED Consultant Ophthalmologist only
Azyter® 1.5% eye drops	  		
Ceftazidime (ophthalmic) 	 		RESTRICTED Consultant Ophthalmologist only NOT STOCKED
5% eye drops	 		
Cefuroxime (ophthalmic) 	 		RESTRICTED Consultant Ophthalmologist only
5% eye drops	 		
Chlorhexidine (ophthalmic) 	 		RESTRICTED acanthamoeba keratitis. Consultant only
0.02% eye drops	 		
Ciprofloxacin (ophthalmic)			RESTRICTED microbial keratitis. Consultant Ophthalmologist only
0.3% eye drops	 		
Erythromycin (ophthalmic) 	 		RESTRICTED superficial eye infections
0.5% eye ointment	 		
Gentamicin (ophthalmic) 	 		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	 		
Ofloxacin 	  		RESTRICTED Consultant Ophthalmologist only
0.3% eye drops	 		
Penicillin (ophthalmic) 	 		RESTRICTED microbial keratitis. Consultant Ophthalmologist only
2,500 units/mL eye drops	 		
Polyhexamethylene Biguanide (PHMB) 	 		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) 	 		RESTRICTED gram positives, including MRSA but not VRE NOT STOCKED
5% eye drops	 		
Natamycin 	 		RESTRICTED fungal keratitis, conjunctivitis, fungal blepharitis
5% eye drops	 		

11.3.3 Antivirals

Ganciclovir

Green

0.15% eye gel



Trifluorothymidine



Red

1% eye drops



11.4 Corticosteroid & other anti-inflammatory preparations



11.4.1 Corticosteroids			
Betamethasone			
0.1% eye drops & ointment	 		
Dexamethasone			
0.1% eye drops & minims	 		
Dexamethasone (intravitreal implant)  			RESTRICTED as per NICE TA229; TA349 & TA460
<i>Ozurdex</i> ® 700micrograms intravitreal implant	    		
Fluocinolone Acetonide  			RESTRICTED as per NICE TA301 & TA590
<i>Iluvien</i> ® 190micrograms intravitreal implant	    		
Prednisolone			
0.5% & 1% eye drops; 0.5% minims	 		
Fluorometholone 			
0.1% eye drops	 		
Hydrocortisone sodium phosphate			
<i>Softacort</i> ® 3.35 mg/mL PF single use eye drops	  		
Triamcinolone Acetonide 			RESTRICTED uveitis; sympathetic ophthalmia
<i>Triesence</i> ® 40mg/mL injectable suspension	  		
Triamcinolone Acetonide 			RESTRICTED opacification of the vitreous humour
<i>Intracinol</i> ® 40mg/mL ophthalmic suspension	  		
Corticosteroids preparations with antibiotics			
Betamethasone / Neomycin Sulphate			
0.1% / 0.5% eye drops (<i>Betnesol-N</i> ®)	 		
Dexamethasone / Neomycin Sulphate / Polymyxin B Sulphate			
1 mg/mL : 3500 IU/mL : 6000 IU/mL (<i>Maxitrol</i> ® eye drops & ointment)	 		
11.4.2 Other anti-inflammatory preparations			
Sodium Cromoglicate			
2% eye drops	 		
Antazoline with Xylometazoline			
0.5% eye drops	 		
Azelastine			RESTRICTED allergic conjunctivitis, children only
0.05% eye drops	 		
Ketotifen hydrogen fumarate			
<i>Ketofall</i> ® 0.25mg/mL PF eye drops	 		
Lodoxamide			RESTRICTED allergic conjunctivitis
0.1% eye drops	 		
Olopatadine			RESTRICTED Seasonal allergic conjunctivitis
1mg/mL eye drops	  		
Potassium Ascorbate 			RESTRICTED for management of chemical burns to the cornea
10% eye drops	 		

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		10% contraindicated in children & the elderly
2.5% & 10% minims	 	
Sympathomimetics with tropicamide		
Phenylephrine Hydrochloride with Tropicamide		RESTRICTED Pre-operative mydriasis in cataract patients
Mydriaser [®] 5.4mg / 280micrograms ophthalmic insert	  	

11.6 Treatment of glaucoma		
Beta-blockers		NICE NG81
Timolol	 	
0.25% & 0.5% eye drops		
Timolol once-daily	 	
0.25% eye drops, <i>Tiopex</i> ® 0.1% gel, 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	 	
40 microgram/mL eye drops	  	
Latanoprost	 	
50 microgram/mL eye drops		
Latanoprost (preservative free)	 	
50 microgram/mL preservative free eye drops	  	
Bimatoprost	 	
100 microgram/mL eye drops	  	
Prostaglandin analogues (combination products)		
Latanoprost / Timolol		
50microgram/mL / 5mg/mL eye drops; preservative free eye drops	  	
Sympathomimetics		
Brimonidine Tartrate	 	
0.2% eye drops	  	
Apraclonidine		RESTRICTED to delay laser treatment / surgery in uncontrolled glaucoma
 or 	 	
0.5%; 1% eye drops		
Carbonic anhydrase inhibitors & systemic drugs		
Acetazolamide	 	
		
250mg tablets; <i>Diamox SR</i> ® 250mg capsules		
Brinzolamide	 	
10mg/mL eye drops		
Dorzolamide	 	
2% eye drops; also preservative free		
Dorzolamide / Timolol	 	
<i>Cosopt</i> ® 2% eye drops; also preservative free		
Brinzolamide / Brimonidine		RESTRICTED glaucoma patients in whom monotherapy provides insufficient IOP reduction
<i>Simbrinza</i> ® 2% eye drops	  	
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		
Other preparations		
Ciclosporin (eye)  2% eye drops	 	RESTRICTED Consultant Ophthalmologist only
Ciclosporin (<i>Ikervis</i> ®)  1mg/mL eye drops	   	RESTRICTED Consultant Ophthalmologist only in line with NICE TA369
Ciclosporin (<i>Verkazia</i> ®)  1mg/mL eye drops	  	RESTRICTED Paediatrics for vernal keratoconjunctivitis / severe allergic eye disease
Sodium Chloride   5% eye drops	 	
Botulinum toxin type A <i>Xeomin</i> ® solution for injection	  	RESTRICTED Consultant Ophthalmologist only
11.8.1 Tear deficiency, ocular lubricants & astringents		
Hypromellose 0.3% eye drops	  	
Acetylcysteine  <i>Ilube</i> ® 5% eye drops	 	
Alteplase 25microgram in 0.1mL intravitreal injection	  	RESTRICTED Consultant Ophthalmologist only
Carbomers <i>Viscotears</i> ® 0.2% eye drops	  	
Carmellose Sodium <i>Celluvisc</i> ® 0.5% eye drops	 	
Hydroxyethylcellulose <i>Minims</i> ® Artificial Tears preservative free eye drops	 	
Liquid Paraffin <i>Lacri-Lube</i> ® ointment	 	
Poly (carboxymethylglucose sulfate) <i>Cacicol</i> ® eye drops (0.33mL)	  	RESTRICTED Consultant Ophthalmologist only NOT STOCKED
Polyvinyl Alcohol <i>Liquifilm Tears</i> ® 1.4% eye drops	  	
Sodium Chloride (minims) 0.9% eye drops	 	
Sodium Hyaluronate <i>Hylo-Forte</i> ® 0.2% eye drops	  	
11.8.2 Ocular diagnostic & peri-operative preparations & photodynamic treatment		
Ocular diagnostic preparations		
Fluorescein Sodium 1% & 2% preservative free eye drops	 	
Indocyanine green (ICG) <i>Verdye</i> ® 5mg/mL injection	  	RESTRICTED Specialist use only
Ocular peri-operative drugs		
Acetylcholine Chloride 1% intraocular irrigation	 	RESTRICTED Consultant Ophthalmologist only
Apraclonidine <i>Iopidine</i> ® 0.5% eye drops; 1% preservative free eye drops	 	RESTRICTED Consultant Ophthalmologist only

Ketorolac Trometamol Red Acular® 0.5% eye drops BNF emc	RESTRICTED Consultant Ophthalmologist only
Bromfenac Yellox® 0.9 mg/mL eye drops MMC BNF emc	RESTRICTED Consultant only for pseudophakic CMO
Nepafenac Nevanac® 1 mg/mL eye drops MMC BNF emc	RESTRICTED. 1st line post cataract surgery in diabetics. 2nd line CMO
Povidone-Iodine 5% eye drops MMC BNF emc	RESTRICTED Consultant Ophthalmologist only
Heavy Silicone oil Densiron® 68 - 10mL syringe MMC BNF	RESTRICTED intraocular tamponade of inferior retinal breaks
Subfoveal choroidal neovascularisation	
Aflibercept Red ££ Eylea® 40mg in 1mL injection PbR X NICE MMC BNF emc	RESTRICTED Consultant Ophthalmologist only
Bevacizumab Red ££ U Avastin® 100mg in 4mL vial PbR X MMC BNF blueteq emc	RESTRICTED Consultant Ophthalmologist only
Ranibizumab Red ££ Lucentis® 10mg/mL injection PbR X NICE MMC BNF emc	RESTRICTED Consultant Ophthalmologist only
Verteporfin Red ££ Visudyne® 15mg vial PbR X MMC BNF emc	RESTRICTED Consultant Ophthalmologist only
Vitreomacular traction	
Ocriplasmin Red ££ Jetrea® 0.5 mg/0.2mL injection PbR X NICE MMC BNF emc	RESTRICTED Consultant Ophthalmologist only

Section 12: Ear, nose & oropharynx

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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)
[Non-formulary Conversion Table](#)

NICE Guidance

Otitis media (acute): antimicrobial prescribing (NG91)

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12.1 Drugs acting on the ear



12.1.1 Otitis externa

Astringent preparations

Aluminium Acetate

ear drops



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® 1% : 3400u/mL : 10,000u/mL ear drops



Anti-infective preparations

Ciprofloxacin

Green

Cetraxal® 0.2% ear drops



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



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



1st line use nasal polyps

Fluticasone Furoate

Avamys® 27.5micrograms nasal spray



Fluticasone Propionate / Azelastine Hydrochloride

Green



RESTRICTED 3rd line use

Dymista® 50micrograms / 137micrograms nasal spray



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

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

Green

0.15% oral rinse; 0.15% spray



Carmellose Sodium

30g protective paste



Corticosteroids

Hydrocortisone

muco-adhesive buccal tablets



12.3.2 Oropharyngeal anti-infective drugs

Oropharyngeal fungal infections

Nystatin

100,000 units/mL oral suspension



Miconazole

2% oral gel



12.3.4 Mouthwashes, gargles & dentifrices

Chlorhexidine Gluconate

0.2% mouthwash; 1% dental gel



12.3.5 Treatment of dry mouth

Local treatment

AS Saliva Orthana®

spray; lozenges



BioXtra®

oral gel



Systemic treatment

Pilocarpine

5mg tablets



RESTRICTED Consultant use only
following irradiation for head & neck
cancer

Treatment of Dental Caries

Silver Diamine Fluoride (SDF) 38%

liquid



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

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

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Paediatric medicines and prescribing guidelines
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NICE Guidance

Biosimilar Medicines (KTT15)	
Atopic eczema in children (CG57)	
Surgical site infection (CG74)	
Psoriasis: assessment and management (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)	EMA (efalizumab)
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)	
Brodalumab for treating moderate to severe plaque psoriasis (TA511)	
Guselkumab for treating moderate to severe plaque psoriasis (TA521)	
Dupilumab for treating moderate to severe atopic dermatitis (TA534)	
Certolizumab pegol for treating moderate to severe plaque psoriasis (TA574)	
Tildrakizumab for treating moderate to severe plaque psoriasis (TA575)	
Risankizumab for treating moderate to severe plaque psoriasis (TA596)	

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

13.3 Topical local anaesthetics & antipruritics	
13.3 Topical local anaesthetics & antipruritics	
Crotamiton	
cream; lotion	 
Mepyramine Maleate	
2% w/w cream	

13.4 Topical corticosteroids		GMMMG
Corticosteroid only preparations		NICE TA81
HYDROCORTISONE		Potency
Canesten HC®	 	Mild
hydrocortisone 1% plus clotrimazole 1% cream		
Daktacort®	 	Mild
hydrocortisone 1%, miconazole nitrate 2% cream; ointment		
Eurax-Hydrocortisone®	 	Mild
hydrocortisone 0.25%, crotamiton10% cream		
Fucidin H®	 	Mild
hydrocortisone 1%, fusidic acid 1% cream		
BETAMETHASONE ESTERS		Potency
Betamethasone valerate	 	Moderate
0.025% ointment, cream		
Betnovate-RD®	 	Moderate
Betamethasone valerate 0.025% cream; ointment		
CLOBETASONE BUTYRATE		Potency
Eumovate®	 	Moderate
0.05% cream; ointment		
BETAMETHASONE ESTERS		Potency
Betamethasone valerate	 	Potent
0.1% ointment; cream; lotion; scalp lotion		
Betnovate®	 	Potent
0.1% cream; ointment; scalp application; lotion		
Betamethasone valerate / Clioquinol	 	Potent
0.1% / 3% ointment; cream		
Betamethasone valerate / Neomycin sulfate	 	Potent
0.1% / 0.5% cream; ointment		
Diprosalic®	 	Potent
Betamethasone dipropionate 0.05%, salicylic acid 3% ointment		
Fucibet®	 	Potent
Betamethasone valerate 0.1% plus fusidic acid 2% cream		
Betnovate®	 	Potent
ointment 25% in coal tar		
CLOBETASOL PROPIONATE		Potency
Dermovate®	 	Very potent
clobetasol propionate 0.05% ointment; cream; lotion; scalp lotion		
Dermovate NN®	 	Very potent
clobetasol propionate 0.05% / neomycin / nystatin cream		
Etrivex®		Very potent
clobetasol propionate 500micrograms/g shampoo	MMC  	DERMATOLOGY ONLY
		RESTRICTED - 1 ^{ry} Care referral

13.5 Preparations for eczema & psoriasis		GMMMG
13.5.1 Preparations for eczema		
Alitretinoin Red ££ 10mg; 30mg capsules PbR X NICE MMC BNF emc	RESTRICTED Dermatology Consultants only	
13.5.2 Preparations for psoriasis		
Topical preparations for psoriasis		NICE CG153
Calcipotriol <i>Dovonex</i> ® ointment; with Betamethasone (<i>Dovobet</i> ® 0.05% ointment) BNF emc	RESTRICTED Dermatology Consultants only	
Dithranol Green Red (unlicensed preps) <i>Dithocream</i> ® 0.1% & 0.25% cream BNF emc	RESTRICTED Dermatology Consultants only	
Salicylic acid BNF emc Zinc & Salicylic acid paste BP (<i>Lassar's Paste</i>) BNF emc	RESTRICTED Dermatology Consultants only	
Tacalcitol <i>Curatoderm</i> ® lotion; ointment BNF emc	RESTRICTED Dermatology Consultants only	
Tars		
Coal tar paste BP paste BNF emc	RESTRICTED Dermatology Consultants only	
<i>Cocoi</i> s® scalp ointment BNF emc	RESTRICTED Dermatology Consultants only	
Oral retinoids for psoriasis		
Acitretin Red 10mg; 25mg capsules BNF emc	RESTRICTED Dermatology Consultants only	
Dimethyl Fumarate		
Dimethyl Fumarate Red ££ 30mg; 120mg tablets PbR X NICE MMC BNF blue emc	RESTRICTED 3rd/4th line as per NICE/GMMMG Referral to SRFT	
13.5.3 Drugs affecting the immune response		
Azathioprine Amber 25mg; 50mg tablets (see also sections 1.5.3, 8.2.1 & 10.1.3) BNF emc	RESTRICTED Dermatology Consultants only	
Ciclosporin Amber 25mg, 50mg & 100mg caps; 100mg/1mL oral soln; Infusion (see also section 8.2.2) PbR X MMC BNF emc	RESTRICTED Dermatology Consultants only	
Methotrexate Amber 2.5mg tablets (see also sections 8.1.3 & 10.1.3) MMC BNF emc	RESTRICTED Dermatology Consultants only	
Pimecrolimus Green 1% cream NICE MMC BNF emc	RESTRICTED Dermatology Consultants only	
Tacrolimus (specially made by SRFT) Green 0.03%; 0.1% ointment NICE MMC BNF emc	RESTRICTED Dermatology Consultants only	

Cytokine Modulators		(see also section 10.1.3)
Adalimumab Red ££ injection (see also section 10.1.3) PbR X NICE MMC BNF emc BNF for specialists blueteq		RESTRICTED Dermatology Consultants only
Apremilast Red ££ 10mg; 20mg; 30mg tablets PbR X NICE MMC BNF emc		RESTRICTED 3 rd /4 th line as per NICE/GMMMG Referral to SRFT
Brodalumab Red ££ 140mg/mL injection PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE
Certolizumab Red ££ 200mg injection (see also section 10.1.3) PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE
Dupilumab Red ££ 150mg/mL injection PbR X NICE MMC BNF emc blueteq		RESTRICTED Dermatology only in line with NICE
Etanercept Red ££ injection (see also section 10.1.3) PbR X NICE MMC BNF emc BNF for specialists blueteq		RESTRICTED Dermatology Consultants only
Guselkumab Red ££ 100mg/mL injection PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE
Infliximab Red ££ 100mg injection (see section 10.1.3) PbR X NICE MMC BNF emc BNF for specialists blueteq		RESTRICTED Dermatology only in line with NICE
Ixekizumab Red ££ 80mg/1mL injection PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE
Risankizumab Red ££ 75mg injection PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE NOT STOCKED
Secukinumab Red ££ 150mg/1mL injection PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE
Tildrakizumab Red ££ 100mg injection PbR X NICE MMC BNF emc		RESTRICTED Dermatology only in line with NICE NOT STOCKED
Ustekinumab Red ££ injection (see section 10.1.3) PbR X NICE MMC BNF emc BNF for specialists blueteq		RESTRICTED Dermatology NICE TA180 & 455 / Gastro 3 rd line Crohn's

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.

Benzyl peroxide & azelaic acid

Benzoyl Peroxide

1st line

4% cream; 5% gel



Azelaic acid

2nd line

Skinoren® 20% cream



Topical antibacterials for acne

Clindamycin

2nd / 3rd line

Dalacin T® 1% topical lotion



Erythromycin

2nd / 3rd line

Zineryt® 40mg/mL erythromycin; zinc acetate 12mg/mL lotion



Topical retinoids & related preparations for acne

Adapalene

1st line

Differin® 0.1% cream; 0.1% gel



Topical retinoids with antibacterial

Isotretinoin with Erythromycin

RESTRICTED
Dermatology Consultants only

Isotrexin® 500micrograms/1g : 20mg/1g gel



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

RESTRICTED
GP referral only

408mg capsules (see also section 5.1.3)



Hormone treatment for acne

Co-cyprindiol

RESTRICTED
GP referral only

Cyproterone acetate 2mg / ethinylestradiol 35micrograms tablets



Oral retinoid for acne

Isotretinoin

RESTRICTED
Dermatology Consultants only

Red
5mg; 10mg; 20mg; 40mg capsules



13.7 Preparations for warts & calluses		GMMMG
13.7 Preparations for warts & calluses		
Salicylic acid	BNF BNF emc	
ointment; liquid		
Silver Nitrate	BNF BNF emc	RESTRICTED Dermatology Consultants only
pencil		
Anogenital warts		
Podophyllotoxin		1st line
0.15% cream	BNF BNF emc	
Imiquimod		RESTRICTED GUM Consultant only
Green	MMC BNF emc	
5% cream		

13.8 Sunscreens & camouflagers		
13.8.1 Sunscreen preparations		
Photodamage		
Methyl-5-Aminolevulinate 		RESTRICTED Dermatology Consultants & Vulval Intraepithelial Neoplasia (VIN) only
160mg/g cream	  	
Diclofenac Sodium		RESTRICTED Dermatology Consultants
Solaraze® 3% gel	  	
Fluorouracil / Salicylic acid		RESTRICTED Dermatology Consultants as per MMC
Actikerall® 0.5% / 10% cutaneous solution	  	
Ingenol Mebutate		RESTRICTED Dermatology Consultants for GP recommendation
Picato® 150 micrograms/g gel (face & scalp); 500 micrograms/g gel (trunk & extremities)	  	

13.9 Shampoos & other preparations for scalp / hair conditions



Shampoos

Ketoconazole

Nizoral® 2% shampoo



RESTRICTED persistent / severe seborrhoeic dermatitis / dandruff

Capasal®

coal tar 1%, coconut oil 1% &, salicylic acid 0.5% shampoo



RESTRICTED Dermatology Consultants only

Ceanel Concentrate®

cetrimide 10%, undecenoic acid 1% & phenylethyl alcohol 7.5% shampoo



RESTRICTED Dermatology Consultants only

Other scalp preparations

Polytar®

40mg/mL coal tar scalp shampoo



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	 	
2% cream; ointment		
Fusidic acid	 	RESTRICTED superficial impetigo
2% cream; ointment		
Metronidazole	 	RESTRICTED topical treatment of rosacea
0.75% topical gel; cream		
Silver Sulfadiazine	 	RESTRICTED Treatment/prophylaxis of burns
1% w/w cream		

13.10.2 Antifungal preparations

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

13.10.3 Antiviral preparations

Aciclovir		1st line
5% cream	 	

13.10.4 Parasiticial preparations

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

Ivermectin		
 tablets	  	
Malathion	 	
0.5% aqueous solution		
Permethrin	 	
1% crème rinse; 5% dermal cream		

13.10.5 Preparations for minor cuts & abrasions

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

Preparations for boils

Magnesium Sulfate		
paste, BP		

Skin tissue adhesive

Histoacryl®	 	RESTRICTED Theatres only
0.5mL skin adhesive		

13.11 Skin cleansers, antiseptics & desloughing agents



13.11.1 Alcohols & saline

Isopropyl Alcohol 70%



Sodium Chloride

0.9% irrigation solution



13.11.2 Chlorhexidine salts

Chlorhexidine Gluconate



13.11.4 Iodine

Alcoholic Iodine solution BP



Iodine weak solution



Povidone-Iodine



13.11.6 Oxidisers & dyes

Hydrogen Peroxide solution, BP



3% solution; 6% solution

Potassium Permanganate



400mg tablets for cutaneous solution

13.11.7 Desloughing agents

CONTACT THE TISSUE VIABILITY TEAM on x64042

RESTRICTED
Specialist use only

RESTRICTED
Specialist use only

13.12 Antiperspirants		GMMMG
Aluminium salts		
Aluminium Chloride Hexahydrate		
20% solution	 	
Glycopyrronium Bromide		
Glycopyrronium Bromide		
Robinul®	  	
Glycopyrrolate		RESTRICTED Diabetes Consultants only (gustatory sweating)
	  	
0.5% cream		

13.13 Topical circulatory preparations	
Topical circulatory preparations	
Hirudoid® 0.3% cream; 0.3% gel	 

13.14 Miscellaneous preparations				GMMMG	
8-Methoxypsoralen				RESTRICTED Dermatology Consultants only	
U	10mg tablets	MMC	emc		
Fumaric Acid Esters				RESTRICTED Dermatology Consultants only	
U	Fumaderm® tablets	MMC	emc		
Glucarpidase				RESTRICTED 2 nd line rescue therapy	
U ££	Voraxaze® 1,000 unit injection (see also sections 1.10, 8.4 & 10.4)	PbR X MMC	emc		
Hyaluronic acid / Lidocaine				RESTRICTED vocal cord paralysis	
U	Juvederm® / Belotero® injection	MMC	emc		

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**; DNP and Grey 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		
injection	 	
BCG vaccine diagnostic agent (Tuberculin purified protein derivative (PPD))		
injection	 	
Botulism antitoxin		
Botulism antitoxin		
injection	 	RESTRICTED Emergencies only
Diphtheria vaccines (children under 10yrs old)		
PediaceI®		
injection	 	
Infanrix-IPV+Hib®		
injection	 	
Infanrix-IPV®		
injection	 	
Repevax®		
injection	 	
Diphtheria vaccines (children over 10yrs old & adults)		
Revaxis®		
injection	 	
Haemophilus type B conjugate vaccine		
Haemophilus Influenzae B vaccine		
Hiberix® injection	 	
Haemophilus Influenzae B & Meningitis C vaccine		
Menitorix® injection	 	
Hepatitis A vaccine		
Hepatitis A vaccine single component		
Havrix Monodose®; Havrix Junior Monodose®; Vaqta® Paediatric injection	 	
Hepatitis B vaccine		
Hepatitis B single component		
Engerix B®; Engerix B® Paediatric injection	 	
Hepatitis B single component		
HBvaxPRO®; HBvaxPRO® Paediatric injection	 	
Human papilloma virus (HPV) vaccine		
Human Papilloma Virus (HPV) quadrivalent vaccine		
Gardasil® injection	  	RESTRICTED Paediatric Immunology Consultant
Influenza vaccine		
Influenza vaccine		
injection, intranasal	 	
Measles, Mumps & Rubella (MMR) vaccine		
Measles, Mumps & Rubella vaccine		
injection	 	
Meningococcal vaccines		
Meningococcal Polysaccharide A, C, W135 & Y vaccine		
injection	 	
Meningococcal group B vaccine		
Bexsero® injection	  	RESTRICTED to childhood immunisation schedule & high risk patients

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

14.5 Immunoglobulins		IVIG Request Form
14.5.1 Normal immunoglobulin Red (for ITP & home treatment programmes)		
For intramuscular use		
Normal immunoglobulin injection Red ££		RESTRICTED Specialist use only IVIG Request Form
injection PbR X BNF emc		
For subcutaneous use		
Normal immunoglobulin injection Red ££		RESTRICTED Specialist use only IVIG Request Form
injection PbR X MMC BNF emc		
For intravenous use		
Human normal immunoglobulin Red ££		RESTRICTED Specialist use only IVIG Request Form
injection PbR X MMC BNF emc		
14.5.2 Disease-specific immunoglobulins		
Hepatitis B immunoglobulin		
Hepatitis B immunoglobulin		RESTRICTED Not Stocked
injection BNF emc		
Tetanus immunoglobulin		
Tetanus immunoglobulin		
injection BNF emc		
Varicella-Zoster immunoglobulin		
Varicella-Zoster immunoglobulin Green		RESTRICTED Not Stocked
injection BNF emc		
Cytomegalovirus (CMV) immunoglobulin		
Human normal immunoglobulin (CMV)		RESTRICTED Specialist use only
injection MMC BNF emc		
14.5.3 Anti-D (Rh ₀) immunoglobulin		
Anti-D (Rh ₀) immunoglobulin Red		
injection NICE MMC BNF emc		

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 under 19s: using sedation for diagnostic and therapeutic procedures (CG112)

GMMMG Formulary

- Formulary Homepage
- Chapter 15: Anaesthesia (Complete) IN DEVELOPMENT
- GMMMG Adult Red/Amber/Green; DNP and Grey Drug List
- GMMMG Paediatric Red/Amber/Green Drug List

15.1 General anaesthesia			
15.1.1 Intravenous anaesthetics			
Etomidate			
injection	 		
Ketamine			
 			
injection	 		
Propofol			
injection; infusion	  		
Thiopental Sodium			
injection	 		
15.1.2 Inhalational anaesthetics			
Volatile liquid anaesthetics			
Desflurane			RESTRICTED Theatres only
anaesthetic agent	  		
Isoflurane			
anaesthetic agent	  		
Methoxyflurane			RESTRICTED ED only
Penthrox® inhalation vapour	  		
Sevoflurane			
anaesthetic agent	 		
Nitrous oxide			
Nitrous Oxide			
	 		
Nitrous Oxide 50% & Oxygen 50%			
<i>Entonox®</i>	 		
15.1.3 Antimuscarinic drugs			
Atropine Sulfate			Adults 600microgram/1mL I.M. or I.V.
600microgram/1mL injection	 		
Glycopyrronium Bromide			Adults 200-400microgram I.V.
200micrograms/1mL; 600micrograms/3mL injection	 		
Hyoscine Hydrobromide			
400microgram/mL injection	 		
15.1.4 Sedative & analgesic post-operative drugs			
15.1.4.1 Benzodiazepines			NICE CG112
Diazepam			
tablets; liquid; injection; rectal tube (see also sections 4.1.2 & 4.8.2)	 		
Lorazepam			
tablets; injection (see also sections 4.1.2 & 4.8.2)	 		
Midazolam			
 			
oromucosal solution; injection; infusion (see also section 4.8.2)	 		
Temazepam			
			
tablets; oral solution (see also section 4.1.1)	 		
15.1.4.2 Non-opioid analgesics			
Ketorolac Trometamol			
injection	  		
Parecoxib			RESTRICTED Theatres only - acute postop. pain
injection	  		

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

15.2 Local anaesthesia	AAGBI SAFETY GUIDELINE	
15.2 Local anaesthesia		
Lidocaine Hydrochloride		
Lidocaine		
0.5%, 1% & 2% injection	 BNF 	
with adrenaline		
Lidocaine with Adrenaline		
1%, 2% injection	 BNF 	
for surface anaesthesia		
Lidocaine with Chlorhexidine		
Instillagel® 2% gel	 BNF 	
Lidocaine with Prilocaine		
EMLA® 5% cream	 BNF 	
Lidocaine		
4% topical solution	 BNF 	
Lidocaine		
Laryngojet® 4% (160mg/4mL) jet spray	 BNF 	
Lidocaine		
5% ointment	 BNF 	
Lidocaine		
Xylocaine® 10% spray	 BNF 	
Bupivacaine Hydrochloride		
Bupivacaine Hydrochloride		
0.25% Infusion (500mL)	 BNF 	
Bupivacaine Hydrochloride with Glucose		
Marcaïn Heavy® 0.5% Injection	 BNF 	
with adrenaline		
Bupivacaine and Adrenaline		
0.25% with 1:200,000 injection	 BNF 	
Bupivacaine and Adrenaline		
0.5% with 1:200,000 injection	 BNF 	
with other ingredients		
Bupivacaine and Fentanyl		
 0.125% with 1mg/500mL infusion	 BNF 	
Bupivacaine and Sodium Chloride		
0.08% in 0.9%	 BNF 	
Bupivacaine Hydrochloride with Glucose		
20mg with 320mg/4mL spinal injection	 BNF 	
Levobupivacaine		
Levobupivacaine		
Chirocaine® 25mg/10mL; 50mg/10mL; 75mg/10mL injection; epidural 250mg/200mL	MMC  BNF 	
Levobupivacaine with Fentanyl		
 0.1% with 2microgram/mL epidural	 BNF 	

Prilocaine Hydrochloride	
Prilocaine Hydrochloride	
<i>Citanest</i> ® 1% injection	 
Prilocaine Hydrochloride	
<i>Prilotekal</i> ® 2% injection	  
Prilocaine with Felypressin	
<i>Octapressin</i> ® 3% cartridges (30mg/mL Citanest with 0.54micrograms/mL)	 
Ropivacaine Hydrochloride	
Ropivacaine	
injection; infusion	  
Tetracaine (Amethocaine)	
Tetracaine	
4% gel	  
Local Anaesthetic Toxicity	
Intralipid 20%	
20% injection	 
Other agents	
Cocaine	
 5% solution	 
Ethyl Chloride	
<i>Cryogesic</i> ® spray	 
Mepivacaine Hydrochloride	
3% injection	 
Neomycin Sulfate / Fluocinolone Acetonide / Lidocaine Hydrochloride	
<i>Nefluan</i> ® 10g gel	 
For Consultant use on CDU (elective CS), Theatre 1 (ortho) & wards 1 & 2 (following surgery in Th. 1)	
RESTRICTED children under 1yr by specific doctor request or /V team	
AAGBI SAFETY GUIDELINE	
RESTRICTED Paediatrics. Intra-urethral steroid ointment	

Section 16: Miscellaneous

Supported by the
formulary (click here)

- 16.1 Organ Perfusion Fluids
- 16.1.1 Cardiac Perfusion Fluids

16.1.2 Kidney / Pancreas / Liver perfusion fluids

Trust Guidelines

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

NICE Guidance

- Machine perfusion systems and cold static storage of kidneys from deceased donors (TA165)

GMMMG Formulary

- Formulary Homepage
- GMMMG Adult Red/Amber/Green; DNP and Grey Drug List
- GMMMG Paediatric Red/Amber/Green Drug List

16.1 Organ Perfusion fluids

16.1.1 Cardiac perfusion fluids

Aspartate / Glutamate Solution



100mL

MMC

Bretschneiders Histidine-Tryptophan-Ketoglutarate (HTK)



Custodiol Cardioplegia® solution (1000mL)

MMC

emc

Cardioplegia in Ringer's Solution



1000mL

MMC

Cardioplegic ULTH Formula A



500mL

MMC

Cardioplegic ULTH Formula B



500mL

MMC

Sterile Concentrate for Cardioplegia Infusion

20mL

MMC

emc

16.1.2 Kidney / Pancreas / Liver perfusion fluids

Cold Storage Solution (UW Solution)

Belzer UW® (1000mL)

MMC

emc

Kidney Perfusion Fluid

Soltran® (1000mL)

MMC

emc

Lung Perfusion Solution

Perfadex® (1000mL)

MMC

emc

Machine Perfusion Solution

Belzer MPS® UW machine perfusion solution (1000mL)

MMC

emc