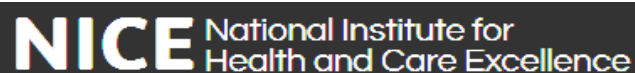


	BNF Chapter
Section 1:	Gastro-Intestinal System
Section 2:	Cardiovascular System
Section 3:	Respiratory System
Section 4:	Central Nervous System
Section 5:	Infections
Section 6:	Endocrine System
Section 7:	Obstetrics, gynaecology & urinary tract disorders
Section 8:	Malignant disease & immunosuppression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

Version 6.5 (July 2018)


**NICE** National Institute for  
 Health and Care Excellence

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

## Formulary status definitions

**Formulary** (OK to be prescribed - but after any 1<sup>st</sup> or 2<sup>nd</sup> line options)

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

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

Where there is no preferred

1<sup>st</sup> line agent provided, the drug choice appears in alphabetical order.

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



## PCT Red/Amber/Green classifications



### [Adult RAG list](#)

### [Paediatric RAG list](#)

#### Red

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

#### Amber

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

#### Green

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

#### Green

specialist initiation

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

#### Green

following specialist recommendation

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

Unlicensed:



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

## Glossary:

**MMC** Medicines Management Committee decision tables (Central & Trafford)

**emc** Summary of Product Characteristics

**BNF** British National Formulary (BNF)

**BNFC** British National Formulary for Children (BNFC)

**NICE** NICE guidance

**PbR X** Payment by Results high cost excluded drug

**GMMMG** GMMMG formulary links

## PCT Guidelines

Greater Manchester Medicines Management Group FORMULARY



GMMMG Adult Red/Amber/Green Drug List

GMMMG Paediatric Red/Amber/Green Drug List

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

## Useful Links

All Wales Medicines Strategy Group

British HIV Association (BHIVA)

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

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

Committee on Safety of Medicines (CSM)

electronic Medicines Compendium (eMC)

General Pharmaceutical Council (GPhC)

Greater Manchester Medicines Management Group (GMMMG)

Medicines and Healthcare products Regulatory Agency (MHRA)

Midlands Therapeutics Review and Advisory Committee (MTRAC)

National Institute for Health and Clinical Excellence (NICE)

National Patient Safety Agency (NPSA)

National Prescribing Centre (NPC)


NHS Evidence

NICE Pathways

Scottish Medicines Consortium (SMC)

UK Medicines Information (UKMi)

# Section 1: Gastro-Intestinal System

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

## 1.1 Dyspepsia & gastro-oesophageal reflux disease

- 1.1.1 Antacids & Simeticone
- 1.1.2 Compound Alginates & Proprietary Indigestion Preparations

## 1.2 Anti-spasmodics & other drugs altering gut motility

- Antimuscarinics
- Other Antispasmodics
- Motility Stimulants

## 1.3 Antisecretory drugs & mucosal protectants

- 1.3.1 H<sub>2</sub>-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)  
Faecal Incontinence (CG49)  
Irritable Bowel Syndrome (CG61)  
Diarrhoea and vomiting in children under 5 (CG84)  
Coeliac disease (CG86)  
Constipation in children and young people (CG99)  
Acute upper GI bleeding (CG141)  
Crohn's disease (CG152)  
Ulcerative colitis (CG166)  
Dyspepsia and gastro-oesophageal reflux disease (CG184)  
Ulcerative colitis (acute exacerbations) - infliximab (TA163)  
Crohn's disease - infliximab & adalimumab (TA187)  
Constipation (women) - prucalopride (TA211)  
Lubiprostone for treating chronic idiopathic constipation (TA318)  
Infliximab, adalimumab & golimumab for treating moderately to severely active ulcerative colitis (TA329)  
Vedolizumab for treating moderately to severely active ulcerative colitis (TA342)  
Naloxegol for treating opioid-induced constipation (TA345)  
Vedolizumab for treating moderately to severely active Crohn's disease after prior therapy (TA352)  
Obeticholic acid for treating primary biliary cholangitis (TA443)  
Ustekinumab for moderately to severely active Crohn's disease after previous treatment (TA456)  
Eluxadoline for treating irritable bowel syndrome with diarrhoea (TA471)

## GMMMG Formulary

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

1.1 Dyspepsia & gastro-oesophageal reflux disease		GMMMG
1.1.1 Antacids & Simeticone		NICE CG184
Aluminium & Magnesium Containing Antacids		
Co-magaldrox 195/220 suspension <sup>SF</sup>	  	1 <sup>st</sup> line use
Magnesium Trisilicate suspension	  	
Simeticone alone (activated dimeticone)		
Simeticone (Infacol®) 40mg/mL liquid	  	<b>RESTRICTED</b> Paediatric use only
1.1.2 Compound Alginates & Proprietary Indigestion Preparations		
Alginate raft-forming oral suspensions <sup>SF</sup>	  	

## 1.2 Anti-spasmodics & other drugs altering gut motility



### Antimuscarinics

Hyoscine Butylbromide

10mg tablets



Glycopyrronium Bromide (Sialanar®)

400 micrograms/mL



### Other Antispasmodics

Mebeverine Hydrochloride

135mg tablets



**1<sup>st</sup> line use**

Peppermint oil



### Motility Stimulants

Metoclopramide

10mg tablets ([see also section 4.6](#))



**1<sup>st</sup> line use**

Domperidone
















10mg tablets ([see also section 4.6](#))

Green



























































































**Use where 1<sup>st</sup> line unsuitable**




























































1.3 Antisecretory drugs & mucosal protectants		GMMMG
<b>1.3.1 H<sub>2</sub>-receptor antagonists</b>		<b>NICE CG184</b>
Ranitidine	 150mg; 300mg tablets	 
<b>1.3.3 Chelates &amp; Complexes</b>		
Sucralfate	 1g tablets	 
Bismuth Subsalicylate (Pepto-Bismol®)	 262.5mg chewable tablets	<b>MMC</b>  
<b>1.3.5 Proton Pump Inhibitors</b>		<b>NICE CG184</b>
Omeprazole	 10mg; 20mg; 40mg capsules	 
Lansoprazole	 15mg; 30mg capsules	 
<b>Other PPIs are not available in this Trust</b>		



1.4 Acute diarrhoea		GMMMG
1.4.2 Antimotility Drugs		NICE TA471
Loperamide hydrochloride 2mg capsules; 1mg/5mL syrup <sup>SF</sup>	  	<b>1<sup>st</sup> line use</b>
Codeine Phosphate 15mg; 30mg & 60mg tablets	  	<b>RESTRICTED</b> Adults - high output stomas
Eluxadoline <span style="background-color: green; color: white; padding: 2px 5px; border-radius: 3px;">Green</span>	    	<b>RESTRICTED</b> Gastro. Consultants only in line with NICE

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
















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

Lubiprostone

24microgram capsules



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

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

## 1.9 Drugs affecting intestinal secretions



### 1.9.1 Drugs affecting biliary composition & flow

NICE TA443

Ursodeoxycholic acid

150mg tablets



1<sup>st</sup> line use

Obeticholic acid

5mg; 10mg tablets



**RESTRICTED** Hepatology Consultants  
only 2<sup>nd</sup> line as per NICE

### 1.9.2 Bile acid sequestrants

Colestyramine

powder 4g sachet (see also section 2.12)



1<sup>st</sup> line use

Colesevelam Hydrochloride

625mg tablets (see also section 2.12)



**RESTRICTED** adults. Gastro & Lipid  
Clinic Consultants only

### 1.9.4 Pancreatin

Pancreatin

capsules



**1.10 Miscellaneous preparations**


Glucarpidase (Voraxaze®)



1,000 unit injection

**MMC****RESTRICTED 2<sup>nd</sup> line rescue therapy  
in patients with delayed methotrexate  
excretion**

## Section 2: Cardiovascular System

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

### 2.1 Positive inotropic drugs

- 2.1.1 Cardiac Glycosides
- 2.1.2 Phosphodiesterase Inhibitors

### 2.2 Diuretics

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

### 2.3 Anti-arrhythmic drugs

- 2.3.2 Drugs for Arrhythmias

### 2.4 Beta-adrenoceptor blocking drugs

### 2.5 Hypertension & heart failure

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

### 2.6 Nitrates, calcium-channel blockers & other antianginals

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

### 2.7 Sympathomimetics

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

### 2.8 Anticoagulants & protamine

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

### 2.9 Antiplatelet drugs

### 2.10 Stable angina, acute coronary syndromes & fibrinolysis

- 2.10.2 Fibrinolytic Drugs

### 2.11 Antifibrinolytic drugs & haemostatics

### 2.12 Lipid-regulating drugs

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

### 2.13 Local sclerosants

### 2.14 Miscellaneous preparations



## Trust Guidelines
















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
































## NICE Guidance































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



































## GMMMG Formulary



















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

















2.1 Positive inotropic drugs		GMMMG
<b>2.1.1 Cardiac Glycosides</b>		
Digoxin	  	<b>1<sup>st</sup> line use</b>
Digoxin-specific antibody	  	
<b>2.1.2 Phosphodiesterase Inhibitors</b>		
Enoximone (Perfan®) 5mg/1mL injection	  	
Milrinone (Primacor®) 10mg/10mL injection	 <b>MMC</b>  	<b>1<sup>st</sup> line use Paediatrics</b>
Levosimendan (Simdax®) 12.5mg/5mL Injection	 <b>MMC</b>  	<b>RESTRICTED adults.</b> Cardiology ITU Consultant only











































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

2.3 Anti-arrhythmic drugs		GMMMG	
2.3.2 Drugs for Arrhythmias		NICE TA197	
Adenosine		  	
Amiodarone Hydrochloride		  	<a href="#">I.V. guidelines</a>
Disopyramide		  	
Flecainide Acetate	 Paeds - until stabilised then 	  	<a href="#">I.V. guidelines</a>
Lidocaine (Lignocaine) Hydrochloride		  	
Mexiletine		  	<b>RESTRICTED</b> adults. Cardiology Consultant only
Propafenone Hydrochloride		  	
Dronedarone		   	<b>RESTRICTED</b> adults. Cardiology Consultant only, in line with NICE



































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

2.5 Hypertension & heart failure		GMMMG
		NICE CG108
		NICE CG127
		NICE CG180
2.5.1 Vasodilator Antihypertensive Drugs		NHSE PAH
Hydralazine Hydrochloride	  	1 <sup>st</sup> line use
Minoxidil	  	
Bosentan <span style="color: red; font-weight: bold;">Red</span>	 PbR X <span style="color: green; font-weight: bold;">MMC</span>  	<span style="color: red; font-weight: bold;">RESTRICTED</span> PAH in line with NHSE
Sildenafil (Revatio®) <span style="color: red; font-weight: bold;">Red</span> <small>green for erectile dysfunction</small>	 PbR X <span style="color: green; font-weight: bold;">MMC</span>  	<span style="color: red; font-weight: bold;">RESTRICTED</span> PAH in line with NHSE
Macitentan (Opsumit®) <span style="color: red; font-weight: bold;">Red</span>	 PbR X <span style="color: green; font-weight: bold;">MMC</span>  	<span style="color: red; font-weight: bold;">RESTRICTED</span> PAH in line with NHSE
Tadalafil (Adcirca®) <span style="color: red; font-weight: bold;">Red</span>	 PbR X <span style="color: green; font-weight: bold;">MMC</span>  	<span style="color: red; font-weight: bold;">RESTRICTED</span> PAH in line with NHSE
2.5.2 Centrally Acting Antihypertensive Drugs		
Clonidine Hydrochloride	  	
Methyldopa	  	
Moxonidine <small>200microgram tabs</small>	 <span style="color: green; font-weight: bold;">MMC</span>  	<span style="color: red; font-weight: bold;">RESTRICTED 3<sup>rd</sup> line use</span> after other treatments fail
2.5.4 Alpha-Adrenoceptor Blocking Drugs		
Doxazosin	  	1 <sup>st</sup> line use
Phenoxybenzamine Hydrochloride	  	<span style="color: red; font-weight: bold;">RESTRICTED</span> adults. Specialist initiation only
Phentolamine Mesilate	  	<span style="color: red; font-weight: bold;">RESTRICTED</span> adults. Specialist use, theatres only
2.5.5 Drugs Affecting the Renin-Angiotensin System		
2.5.5.1 Angiotensin-Converting Enzyme (ACE) Inhibitors		
Ramipril	  	1 <sup>st</sup> line use
Captopril	  	<span style="color: red; font-weight: bold;">RESTRICTED</span> Paediatrics only
Lisinopril	  	<span style="color: red; font-weight: bold;">RESTRICTED</span> Renal Medicine only
Perindopril	  	





































2.5.5.2 Angiotensin-II Receptor Antagonists		NICE TA388
Candesartan Cilexetil	 <b>MMC</b>  	<b>1<sup>st</sup> line use</b> hypertension
Losartan Potassium	  	<b>2<sup>nd</sup> line use</b> hypertension
Irbesartan	 <b>MMC</b>  	<b>2<sup>nd</sup> line use</b> hypertension
Valsartan	 <b>MMC</b>  	<b>2<sup>nd</sup> line use</b> hypertension
Sacubitril / Valsartan	  <b>MMC</b>  	Green after specialist initiation in 2 <sup>RY</sup> care.











































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































<b>2.7 Sympathomimetics</b>		
<b>2.7.1 Inotropic Sympathomimetics</b>		
Dobutamine	  	<b>RESTRICTED / I.V. Specialist use only</b>
Dopamine Hydrochloride	  	<b>RESTRICTED / I.V. Specialist use only</b>
Dopexamine	  	<b>RESTRICTED / I.V. Specialist use only</b>
Isoprenaline	  	<b>RESTRICTED / I.V. Specialist use only</b>
<b>2.7.2 Vasoconstrictor Sympathomimetics</b>		
Ephedrine Hydrochloride	  	<b>RESTRICTED / I.V. Specialist use only</b>
Metaraminol 	  	
Midodrine  until stabilised then 	   	<b>RESTRICTED Specialist use Cardiology.</b>
Noradrenaline acid tartrate	  	<b>RESTRICTED / I.V. Specialist use only</b>
Phenylephrine Hydrochloride	  	<b>RESTRICTED / I.V. Specialist use only</b>
<b>2.7.3 Cardiopulmonary Resuscitation</b>		
Adrenaline / Epinephrine	  	


































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

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

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

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

2.11 Antifibrinolytic drugs & haemostatics		GMMMG
2.11 Antifibrinolytic Drugs & Haemostatics		
Etamsylate	  	
Tranexamic acid	  	
Aprotinin	  	<b>RESTRICTED</b>
Aminocaproic acid	  	<b>RESTRICTED</b>

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

## 2.13 Local sclerosants

### *Local Sclerosants*

Ethanolamine Oleate



Sodium Tetradecyl Sulfate





**2.14 Miscellaneous preparations**


Ajmaline (Gilurytma®)

**RESTRICTED** adults. Cardiology  
Consultant only

Regadenoson (Rapiscan®)

**RESTRICTED** adults. Myocardial  
perfusion scans

## Section 3: Respiratory System

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

### 3.1 Bronchodilators

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

### 3.2 Corticosteroids

- Compound preparations

### 3.3 Cromoglicate & related therapy & leukotriene receptor antagonists

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

### 3.4 Antihistamines, hyposensitisation & allergic emergencies

- 3.4.1 Antihistamines
- 3.4.2 Allergen Immunotherapy
- 3.4.3 Allergic Emergencies

### 3.5 Respiratory stimulants & pulmonary surfactants

- 3.5.1 Respiratory Stimulants
- 3.5.2 Pulmonary Surfactants

### 3.6 Oxygen (refer to oxygen guidelines)

### 3.7 Mucolytics

### 3.8 Aromatic inhalations

### 3.9 Cough preparations

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

### 3.10 Systemic Nasal Decongestants

### 3.11 Antifibrotics

## Trust Guidelines



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








## NICE Guidance





































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















## GMMMG Formulary

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

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

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

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

3.3 Cromoglicate & related therapy & leukotriene receptor antagonists		GMMMG
<b>3.3.1 Cromoglicate &amp; Related Therapy</b>		
Sodium Cromoglicate	  	
<b>3.3.2 Leukotriene Receptor Antagonists</b>		
Montelukast	   	BTS step 2 or 3 in paediatrics
<b>3.3.3 Phosphodiesterase type-4 inhibitors</b>		
Roflumilast	      	<b>NICE TA461</b> <b>RESTRICTED</b> as per NICE TA461

### 3.4 Antihistamines, hyposensitisation & allergic emergencies



#### 3.4.1 Antihistamines

##### Non-sedating antihistamines

Cetirizine Hydrochloride



Loratadine



Desloratadine



**RESTRICTED**  
children 1-2 years old

##### Sedating antihistamines

Chlorphenamine Maleate



Hydroxyzine Hydrochloride



Promethazine Hydrochloride



Alimemazine Tartrate



#### 3.4.2 Allergen Immunotherapy

NICE TA246

NICE TA278

NICE TA339

NICE TA431

NICE TA479

Bee venom extract



**RESTRICTED**  
Immunology Consultants only

Wasp venom extract



**RESTRICTED**  
Immunology Consultants only

Grass &amp; Rye or tree pollen extract



**RESTRICTED**  
Immunology Consultants only

Pollinex®

Omalizumab

Red



**RESTRICTED**  
as per NICE

Mepolizumab



**RESTRICTED**  
as per NICE TA431

Reslizumab



**RESTRICTED**  
as per NICE TA479

**NOT STOCKED**

Grass Pollen extract



**RESTRICTED**  
Immunology Consultants only

Grazax®

#### 3.4.3 Allergic Emergencies

Adrenaline / Epinephrine (prescribe by brand name)



C1 esterase inhibitor



**RESTRICTED**  
acute attacks of HAE

Icatibant



**RESTRICTED** adults  
acute attacks of HAE

Oxandrolone

U



**RESTRICTED** adults  
acute attacks of HAE



### 3.5 Respiratory stimulants & pulmonary surfactants

#### 3.5.1 Respiratory Stimulants

Doxapram Hydrochloride



Caffeine Citrate



**RESTRICTED**  
apnoea in premature babies

#### 3.5.2 Pulmonary Surfactants

Poractant Alfa




















Curosurf®

PbR X



### 3.6 Oxygen (refer to oxygen guidelines)



3.7 Mucolytics		GMMMG	
Mucolytics			
Sodium Chloride (hypertonic)		 	
Nebusal® 7%		 	
Carbocisteine		  <b>MMC</b>	<b>RESTRICTED</b> COPD Consultant / referral only
Dornase Alfa		  <b>MMC</b>	<b>RESTRICTED</b> Respiratory only
Pulmozyme®		  <b>MMC</b>	
Ivacaftor		  <b>MMC</b>	<b>RESTRICTED</b> Paediatric Consultants only for patients aged ≥6 years who have a G551D mutation in the CFTR gene
Kalydeco®		  <b>MMC</b>	

## 3.8 Aromatic inhalations

### *Aromatic Inhalations*

Benzoin Tincture, Compound, BP





















Friars' Balsam



Menthol and Eucalyptus Inhalation



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

### 3.10 Systemic nasal decongestants

#### *Systemic Nasal Decongestants*

Pseudoephedrine Hydrochloride



### 3.11 Antifibrotics




#### Antifibrotics

**NICE TA504**

Pirfenidone

**RESTRICTED** Respiratory  
Consultants only. Not stocked

## Section 4: Central Nervous System

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

### 4.1 Hypnotics & anxiolytics

- 4.1.1 Hypnotics
- 4.1.2 Anxiolytics
- 4.1.3 Barbiturates

### 4.2 Drugs used in psychoses & related disorders

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

### 4.3 Antidepressant drugs

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

### 4.4 CNS stimulants & drugs used for ADHD

### 4.5 Drugs used in the treatment of obesity

### 4.6 Drugs used in nausea & vertigo

### 4.7 Analgesics

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

### 4.8 Antiepileptic drugs

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

### 4.9 Drugs used in Parkinsonism & related disorders

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

### 4.10 Drugs used in substance dependence

### 4.11 Drugs for dementia



## Trust Guidelines

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









































## NICE Guidance

Eating Disorders (CG9)  
 Post-traumatic Stress Disorder (CG26)  
 Depression in Children & Young People (CG28)  
 Obsessive compulsive disorder (OCD) & body dysmorphic disorder (BDD) (CG31)  
 Parkinson's Disease: Diagnosis & Management (CG35)  
 Dementia (CG42)  
 Management of Obesity (CG43) (replaces TA22, TA31 & TA46)  
 Drug misuse: opioid detoxification (CG52)  
 Attention deficit hyperactivity disorder (ADHD) (CG72)  
 Management of Depression (CG90)  
 Depression with a chronic physical health problem (CG91)  
 Anxiety (CG113) (replaces CG22)  
 Epilepsy (CG137)  
 Neuropathic pain - pharmacological management (CG173)  
 Psychosis and schizophrenia in adults (CG178)  
 Bipolar disorder: the assessment and management in adults, children & young people in 1ry & 2ry care (CG185)  
 Attention deficit hyperactivity disorder: diagnosis and management (NG87)  
 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)  
 Bipolar disorder (children) - aripiprazole (TA292)  
 Nalmefene for reducing alcohol consumption in people with alcohol dependence (TA325)  
 Smoking cessation services (PH10) (replaces TA39)  
 Vortioxetine for treating major depressive episodes (TA367)

## GMMMG Formulary







































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















4.1 Hypnotics & anxiolytics		GMMMG
<b>4.1.1 Hypnotics</b>		
<b>Benzodiazepines</b>		
Temazepam	 BNF	
Nitrazepam	 BNF	
<b>Zaleplon, Zolpidem &amp; Zopiclone</b>		<b>NICE TA77</b>
Zopiclone	 BNF	
<b>Chloral &amp; Derivatives</b>		
Chloral Hydrate	 BNF	
Clomethiazole 192mg capsules	 BNF	
<b>Sodium Oxybate</b>		
Sodium Oxybate <span style="background-color: red; color: white; padding: 2px;">Red</span>	   BNF	<b>RESTRICTED 2<sup>nd</sup> line treatment of narcolepsy with cataplexy</b>
<b>Melatonin</b>		
Melatonin see below	 BNF	<b>RESTRICTED</b>
Melatonin (licensed product first line) - Paediatric patients, e.g. sleep disorders, ADHD		<span style="background-color: orange; color: white; padding: 2px;">Amber</span>
Melatonin (licensed product only) - Adult patients over 55		<span style="background-color: green; color: white; padding: 2px;">Green</span>
<b>4.1.2 Anxiolytics</b>		<b>NICE CG113</b>
<b>Benzodiazepines</b>		
Diazepam	 BNF	
Lorazepam	 BNF	
Oxazepam	 BNF	
<b>Busiprone</b>		
Busiprone Hydrochloride	 BNF	
<b>Others</b>		
Pregabalin <span style="background-color: green; color: white; padding: 2px;">Green</span>	  BNF	<b>RESTRICTED generalised anxiety disorder after standard treatment following NICE has failed.</b>
<b>4.1.3 Barbiturates</b>		
<b>NO DRUGS ARE RECOMMENDED FROM THIS GROUP</b>		 BNF




















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

Valproic Acid



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

4.3.4 Other Antidepressant Drugs			NICE TA367
Venlafaxine	Green	 	<b>RESTRICTED</b> initiation by Psychiatrist
Mirtazapine		MMC  	<b>RESTRICTED</b> initiation by Psychiatrist
Duloxetine		 	<b>RESTRICTED</b> initiation by Psychiatrist
Flupentixol		 	<b>RESTRICTED</b> initiation by Psychiatrist
Reboxetine		MMC  	<b>RESTRICTED</b> initiation by Psychiatrist
Tryptophan 500mg tablets		 	<b>RESTRICTED</b> initiation by Psychiatrist
Vortioxetine	Green	NICE MMC  	<b>RESTRICTED</b> initiation by Psychiatrist

4.4 CNS stimulants & drugs used for ADHD		GMMMG	
		NICE CG72	
4.4 CNS stimulants & drugs used for ADHD		NICE NG87	
Atomoxetine	Amber	   	<b>RESTRICTED</b> on Paediatric / Psychiatric advice
Dexamfetamine	Amber	  	<b>RESTRICTED</b> on Paediatric / Psychiatric advice
Lisdexamfetamine	Amber	    	<b>RESTRICTED</b> 2 <sup>nd</sup> line use for ADHD
Methylphenidate	Amber	   	<b>RESTRICTED</b> on Paediatric / Psychiatric advice
Modafinil	Amber	  	Narcolepsy <b>Red</b> Postural hypotension/sleep apnoea <b>RESTRICTED</b> 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




**RESTRICTED**  
Consultant initiation - Paeds. only


























4.6 Drugs used in nausea & vertigo		GMMMG
<b>Antihistamines</b>		
Cyclizine	  	1 <sup>st</sup> line use
Promethazine Hydrochloride <a href="#">see also section 3.4.1</a>	  	
Promethazine Teoclate	  	
<b>Phenothiazines &amp; Related Drugs</b>		
Prochlorperazine	  	
Droperidol	 <b>MMC</b>  	<b>RESTRICTED</b> Consultant initiation only for PONV
<b>Domperidone &amp; Metoclopramide</b>		
Domperidone <a href="#">see also section 1.2</a>	   	
Metoclopramide Hydrochloride <a href="#">see also section 1.2</a>	  	
<b>5HT<sub>3</sub> - receptor antagonists</b>		
Ondansetron <a href="#">see below</a>	  	<b>RESTRICTED - Chemotherapy induced &amp; post-op vomiting</b>
Ondansetron - post operatively and following chemotherapy		
Ondansetron - for exceptional use in non-oncology patients with chronic emesis following consultant recommendation and where all other options have failed		
<b>Neurokinin 1-receptor antagonist</b>		
Aprepitant 80mg; 125mg capsules; 25mg/mL oral suspension	 <b>MMC</b>  	<b>RESTRICTED - highly/moderately emetogenic chemotherapy induced nausea &amp; vomiting</b>
<b>Hyoscine</b>		
Hyoscine Hydrobromide <a href="#">for Hyoscine Butylbromide see section 1.2</a>	  	
<b>Other Drugs for Ménière's Disease</b>		
Betahistine Dihydrochloride	  	

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

<b>4.7.4 Antimigraine Drugs</b>	
<b>4.7.4.1 Treatment Of Acute Migraine</b>	
<b>Analgesics</b>	
Aspirin	  
Paracetamol	  
Ibuprofen	  
<b>5HT<sub>1</sub> - receptor agonists</b>	
Sumatriptan	  
<b>4.7.4.2 Prophylaxis of Migraine</b>	
Clonidine Hydrochloride	  
Pizotifen	  

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

4.8.2 Drugs Used in Status Epilepticus		
Lorazepam		  
Diazepam		  
Clonazepam		  
Midazolam		  
Paraldehyde		  
Phenytoin Sodium		  
Sulthiame (Ospolot®)		  

**RESTRICTED**  
Consultant Neurologist use only
























## 4.9 Drugs used in Parkinsonism & related disorders






















### 4.9.1 Dopaminergic Drugs Used in Parkinsonism

NICE CG35


Amantadine Hydrochloride	Green	 	<b>RESTRICTED</b> Specialist use only
Apomorphine Hydrochloride	Amber	 	<b>RESTRICTED</b> Specialist use only
Cabergoline	Green	MMC 	<b>RESTRICTED</b> Specialist use only
Co-beneldopa	Green	 	<b>RESTRICTED</b> Specialist use only
Co-careldopa	Green	PbR X 	<b>RESTRICTED</b> Specialist use only
Entacapone	Green	MMC 	<b>RESTRICTED</b> Specialist use only
Pramipexole	Green	MMC 	<b>RESTRICTED</b> Specialist use only - 3 <sup>rd</sup> line add-on use
Rasagiline	Green	MMC 	<b>RESTRICTED</b> patients with end of dose fluctuations
Ropinirole	Green	 	<b>RESTRICTED</b> Specialist use only
Rotigotine	Green	MMC 	<b>RESTRICTED</b> Specialist use only. NBM patients
Selegiline	Green	 	<b>RESTRICTED</b> Specialist use only
<b>4.9.2 Antimuscarinic Drugs Used in Parkinsonism</b>			
Orphenadrine Hydrochloride		 	
Procyclidine (Oral & IM)		 	
Trihexyphenidyl Hydrochloride (Benzhexol Hydrochloride)	Green	 	
<b>4.9.3 Drugs Used in Essential Tremor, Chorea, Tics &amp; Related Disorders</b>			
Propranolol		 	
Haloperidol		 	<b>RESTRICTED</b> Specialist use only
Piracetam		 	<b>RESTRICTED</b> Specialist use only
Tetrabenazine		 	<b>RESTRICTED</b> Specialist use only
<b>Torsion Dystonias &amp; Other Involuntary Movements</b>			
Botulinum Toxin Type A (Botox®)	Red	PbR X MMC 	<b>RESTRICTED</b> Specialist use only

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

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



## 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 Anti giardial drugs
- 5.4.7 Drugs for toxoplasmosis
- 5.4.8 Drugs for pneumocystis pneumonia

### 5.5 Anthelmintics

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

## Trust Guidelines

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

## NICE Guidance

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

## GMMM Formulary

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

**RESTRICTED USE ANTIBIOTICS**

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

3. Only available from Pharmacy

**RESERVED USE ANTIBIOTICS**

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

**UNRESTRICTED USE ANTIBIOTICS**

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

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

Benzylpenicillin Sodium (Penicillin G)

600mg injection



Phenoxymethylpenicillin (Penicillin V)



Benzathine Benzylpenicillin

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

Flucloxacillin



Temocillin

1g injection

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

Amoxicillin



Co-amoxiclav

**5.1.1.4 Antipseudomonal Penicillins**

Piperacillin with Tazobactam

4.5g injection

**RESERVED** serious / resistant infections

Ticarcillin with Clavulanic Acid (Timentin®)

3.2g injection

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

Pivmecillinam Hydrochloride

200mg tablets

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

Cefalexin



Cefotaxime

**RESERVED** as per guidelines for children

Ceftriaxone






























































**RESERVED** as per guidelines for children





































Cefuroxime

















































**RESERVED** as per guidelines for children













Cefixime






















**RESERVED** GU infections only

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


























































































5.1.5 Macrolides				
Clarithromycin		 		
Azithromycin		 		RESERVED GU only or specialist use
Erythromycin		 		RESERVED in pregnancy or neonates
5.1.6 Clindamycin				
Clindamycin		 		RESERVED as per guidelines
5.1.7 Some other Antibacterials				
Chloramphenicol		 		RESERVED as per guidelines
Fidaxomicin				
Fidaxomicin	Green	 	MMC	RESTRICTED <i>clostridium difficile</i> associated diarrhoea. Micro only
200mg tablets				
Fusidic Acid				
Sodium Fusidate	Green	 		RESERVED as per guidelines
Glycopeptides				
Vancomycin	Green	 	MMC	
<a href="#">assay guidelines</a>				
Teicoplanin		 		RESERVED as per guidelines
Daptomycin				
Daptomycin	Red	 	MMC	RESTRICTED as per guidelines
Linezolid				
Linezolid	Red	 	MMC	RESTRICTED as per guidelines
Quinupristin with Dalfopristin				
Synercid®		 	MMC	RESTRICTED as per guidelines. Non-formulary
Polymyxins				
Colistimethate Sodium	Amber (nebulised for non-CF) Red (new CF)	 		RESTRICTED as per guidelines
Rifaximin				NICE TA337
Rifaximin	Red	 	NICE MMC	RESTRICTED as per guidelines
550mg tablets				
Spectinomycin				
Spectinomycin (Kirin®)	U	 	MMC	RESTRICTED cephalosporin resistant gonorrhoea
5.1.8 Sulphonamides & Trimethoprim				
Trimethoprim	Green	 		
Co-trimoxazole		 		RESERVED as per guidelines
Sulfadiazine		 		RESTRICTED
























































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











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

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



5.3 Antiviral drugs		GMMMG	
5.3.1 HIV Infection <span style="background-color: red; color: white; padding: 2px;">Red</span>		BHIVA treatment guidelines (2015)	
<i>Nucleoside Reverse Transcriptase Inhibitors (NRTIs)</i>		NICE TA173	
Abacavir <span style="background-color: red; color: white; padding: 2px;">Red</span>	   		
Emtricitabine <span style="background-color: red; color: white; padding: 2px;">Red</span>	   		
Lamivudine <span style="background-color: red; color: white; padding: 2px;">Red</span>			
Tenofovir Disoproxil <span style="background-color: red; color: white; padding: 2px;">Red</span>	    		
Tenofovir Alafenamide <i>Descovy® / Odefsey® / Genvoya®</i>	<span style="background-color: red; color: white; padding: 2px;">Red</span>    		<b>RESTRICTED to patients who require the new formulation</b> <b>NHSE</b>
Tenofovir Disoproxil / Efavirenz / Emtricitabine <i>Atripla®</i>	<span style="background-color: red; color: white; padding: 2px;">Red</span>    		
Tenofovir / Cobicistat / Elvitegravir / Emtricitabine <i>Stribild®</i>	   		<b>NHSE</b>
Tenofovir / Emtricitabine <i>Truvada®</i>	<span style="background-color: red; color: white; padding: 2px;">Red</span>    		
Emtricitabine / Rilpivirine / Tenofovir <i>Eviplera®</i>	<span style="background-color: red; color: white; padding: 2px;">Red</span>    		<b>CHIVA PEP 2015</b>
Zidovudine / Lamivudine <i>Combivir®</i>			
Didanosine			
Stavudine			
<i>Protease Inhibitors</i>		BHIVA treatment guidelines (2015)	
Atazanavir <span style="background-color: red; color: white; padding: 2px;">Red</span>	   		
Atazanavir / Cobicistat <i>Evotaz®</i>	   		<b>NHSE</b>
Darunavir <span style="background-color: red; color: white; padding: 2px;">Red</span>	   		
Darunavir / Cobicistat <i>Rezolsta®</i>	   		<b>NHSE</b>
Darunavir / Cobicistat / Emtricitabine & Tenofovir <i>Symtuza®</i>	   		
Fosamprenavir <span style="background-color: red; color: white; padding: 2px;">Red</span>	   		
Lopinavir / Ritonavir <i>Kaletra®</i>			
Ritonavir			

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

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

5.3.3.2 Chronic hepatitis C			NICE TA75
			NICE TA106
			NICE TA200
			NICE TA330
			NICE TA331
			NICE TA363
			NICE TA364
			NICE TA365
			NICE TA413
			NICE TA430
			NICE TA499
			NICE TA507
			NHSE Hepatitis C
Daclatasvir dihydrochloride	Red		<b>RESTRICTED Specialist use only in line NHS England Commissioning</b>
Daklinza®		NICE PbR X MMC BNF emc+	
Dasabuvir	Red		<b>RESTRICTED Specialist use only in line NHS England Commissioning</b>
Exviera®		PbR X MMC BNF emc+	
Elbasvir / Grazoprevir	Red		<b>RESTRICTED Specialist use only in line with NICE TA413</b>
Zepatier®		NICE PbR X MMC BNF emc+	
Glecaprevir / Pibrentasvir	Red		<b>RESTRICTED Specialist use only in line with NHSE and NICE TA499</b>
Maviret®		NICE PbR X MMC BNF emc+	
Ombitasvir / Paritaprevir / Ritonavir	Red		<b>RESTRICTED Specialist use only in line NHS England Commissioning</b>
Viekirax®		NICE PbR X MMC BNF emc+	
Simeprevir	Red		<b>RESTRICTED Specialist use only in line with NICE TA331</b>
		NICE PbR X MMC BNF emc+	
Sofosbuvir	Red		<b>RESTRICTED Specialist use only in line with NICE TA330</b>
		NICE PbR X MMC BNF emc+	
Sofosbuvir / Ledipasvir	Red		<b>RESTRICTED Specialist use only in line NHS England Commissioning</b>
Harvoni®		NICE PbR X MMC BNF emc+	
Sofosbuvir / Velpatasvir	Red		<b>RESTRICTED Specialist use only in line with NICE TA430</b>
Epclusa®		NICE PbR X MMC BNF emc+	
Sofosbuvir / Velpatasvir / Voxilaprevir	Red		<b>RESTRICTED Specialist use only in line with NICE TA507</b>
Vosevi®		NICE PbR X MMC BNF emc+	
5.3.4 Influenza			NICE TA158
			NICE TA168
			NICE TA200
			NICE TA300
Oseltamivir		NICE BNF emc+	
Zanamivir		NICE BNF emc+	
5.3.5 Respiratory Syncytial Virus (RSV)			
Palivizumab		PbR X MMC BNF emc+	<b>RESTRICTED Specialist use only</b>
Ribavirin	Red	NICE PbR X MMC BNF emc+	<b>RESTRICTED Specialist use only</b>

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

## 5.5 Anthelmintics




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

Mebendazole



## Section 6: Endocrine System

Supported by the   
formulary (click here)

### 6.1 Drugs used in diabetes

- 6.1.1 Insulins
  - 6.1.1.1 Short-acting insulins
  - 6.1.1.2 Intermediate & long-acting insulins
    - Biphasic insulins
- 6.1.2 Antidiabetic drugs
  - 6.1.2.1 Sulphonylureas
  - 6.1.2.2 Biguanides
  - 6.1.2.3 Other antidiabetic drugs
- 6.1.4 Treatment of hypoglycaemia

### 6.2 Thyroid & antithyroid drugs

- 6.2.1 Thyroid hormones
- 6.2.2 Antithyroid drugs

### 6.3 Corticosteroids

- 6.3.1 Replacement therapy
- 6.3.2 Glucocorticoid therapy

### 6.4 Sex hormones

- 6.4.1 Female sex hormones and their modulators
  - 6.4.1.1 Oestrogens & HRT
  - 6.4.1.2 Progestogens and progesterone receptor modulators
- 6.4.2 Male sex hormones & antagonists

### 6.5 Hypothalamic and pituitary hormones & anti-oestrogens

- 6.5.1 Hypothalamic & anterior pituitary hormones & anti-oestrogens
- 6.5.2 Posterior pituitary hormones & antagonists

### 6.6 Drugs affecting bone metabolism

- 6.6.1 Calcitonin & parathyroid hormone
- 6.6.2 Bisphosphonates & other drugs affecting bone metabolism

### 6.7 Other endocrine drugs

- 6.7.1 Bromocriptine & other dopaminergic drugs
- 6.7.2 Drugs affecting gonadotrophins
- 6.7.3 Metyrapone
- 6.7.4 Somatomedins

## Trust Guidelines

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




















































## NICE Guidance







































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



















## GMMMG Formulary




















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




























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












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

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

6.2 Thyroid & antithyroid drugs		GMMMG
<b>6.2.1 Thyroid hormones</b>		
Levothyroxine Sodium	  	
Liothyronine Sodium	  	<b>2<sup>nd</sup> line use (I.V. RESTRICTED to hypothyroid coma)</b>
<b>6.2.2 Antithyroid drugs</b>		
Carbimazole	  	
Iodine (Aqueous Iodine Oral (Lugol's) Solution)	  	
Potassium Iodide	  	
Propylthiouracil 	  	


























<b>6.3 Corticosteroids</b>		
<b>6.3.1 Replacement therapy</b>		
Fludrocortisone	  	
<b>6.3.2 Glucocorticoid therapy</b>		
Prednisolone	  	
Dexamethasone	  	
Hydrocortisone	  	
Hydrocortisone M/R 5mg tablets	 <b>MMC</b>  	<b>RESTRICTED</b> 2 <sup>nd</sup> line use in adrenal insufficiency
Betamethasone	  	<b>RESTRICTED Specialist use only</b>
Methylprednisolone	  	
Triamcinolone <a href="#">see also section 10.1.2.2</a>	  	<b>RESTRICTED Specialist use only</b>

6.4 Sex hormones		GMMMG
<b>6.4.1 Female sex hormones and their modulators</b>		
<b>6.4.1.1 Oestrogens &amp; HRT</b>		
<b>Conjugated oestrogens with progestogen</b>		
Premique®	BNF emc	2 <sup>nd</sup> line use oral (continuous combined HRT)
<b>Estradiol with Progestogen</b>		
Elleste-Duet®	BNF emc	1 <sup>st</sup> line use oral (sequential HRT)
Femoston®	BNF emc	2 <sup>nd</sup> line use oral (sequential HRT)
Kliovance®	MMC BNF emc	1 <sup>st</sup> line use oral (continuous combined HRT)
Evorel Conti®	BNF emc	<b>RESTRICTED</b> (Continuous combined HRT) when oral contraindicated.
<b>Estradiol only</b>		
Climaval®	BNF emc	
Elleste Solo®	BNF emc	1 <sup>st</sup> line use oral (oestrogen only HRT)
Estradot®	BNF emc	<b>RESTRICTED</b> (Oestrogen only HRT) when oral contraindicated.
<b>Ethinylestradiol, raloxifene &amp; tibolone</b>		
Ethinylestradiol	MMC BNF emc	2 microgram tablets (unlicensed) for amenorrhoea
Raloxifene Hydrochloride	MMC BNF emc	<b>RESTRICTED Specialist Med. Consultant only</b>
Tibolone	BNF emc	3 <sup>rd</sup> line use oral (continuous combined HRT)
<b>6.4.1.2 Progestogens and progesterone receptor modulators</b>		
Medroxyprogesterone Acetate (Depo-Provera®) 150mg/mL injection	BNF emc	
Medroxyprogesterone Acetate (Sayana Press®) 104mg/0.65 mL injection	MMC BNF emc	
Norethisterone	BNF emc	
Progesterone <span style="background-color: red; color: white; padding: 2px;">Red</span> (suppositories in IVF)	MMC BNF emc	
Dydrogesterone	BNF emc	
Ulipristal Acetate (Esmya®) 5mg tablets	MMC BNF emc	<b>RESTRICTED Specialist use only</b> <b>EMA</b>

<b>6.4.2 Male sex hormones &amp; antagonists</b>		
<b>Testosterone &amp; Esters</b>		
<b>Oral</b>		
Testosterone	Green	 
injection & implants only		 
<b>Transdermal preparations</b>		
Testosterone (Tostran®)	MMC	 
<b>Anti-androgens</b>		
Cyproterone Acetate		 
Finasteride		  


6.5 Hypothalamic & pituitary hormones & anti-oestrogens		GMMMG
<b>6.5.1 Hypothalamic &amp; anterior pituitary hormones &amp; anti-oestrogens</b>		
<b>Anti-oestrogens</b>		
Clomifene Citrate	Red	BNF emc
<b>Anterior pituitary hormones (Corticotrophins)</b>		
Tetracosactide		BNF emc
Corticotropin releasing hormone		BNF emc
<b>Anterior pituitary hormones (Gonadotrophins)</b>		
Human Chorionic Gonadotrophin (hCG)	Red	BNF emc
Pregnyl® injection		MMC BNF emc
Recombinant human follicle stimulating hormone (r-hFSH)		BNF emc
Ovaleap® injection		MMC BNF emc
<b>Anterior pituitary hormones (Growth Hormone)</b>		
		NICE TA64 NICE TA188
Somatropin		BNF emc
see below	PbR X NICE	BNF emc
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
<b>Anterior pituitary hormones (Growth Hormone receptor antagonists)</b>		
Pegvisomant	Amber	PbR X MMC BNF emc
<b>Hypothalamic hormones</b>		
Gonadorelin (GnRH; LHRH)		BNF emc
Protirelin (TRH)		BNF emc
<b>6.5.2 Posterior pituitary hormones &amp; antagonists</b>		
Desmopressin		MMC BNF emc
Terlipressin Acetate		BNF emc
Tolvaptan	Red	PbR X NICE MMC BNF emc
Vasopressin		BNF emc
<b>Antidiuretic hormone antagonists</b>		
Demeclocycline Hydrochloride		BNF emc
see also section 5.1.3		MMC BNF emc



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

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

## Section 7: Obstetrics, gynaecology & urinary tract disorders

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

### 7.1 Drugs used in Obstetrics

#### 7.1.1 Prostaglandins & oxytocics

##### 7.1.1.1 Ductus arteriosus

#### 7.1.2 Mifepristone

#### 7.1.3 Myometrial relaxants

### 7.2 Treatment of vaginal & vulval conditions

#### 7.2.1 Preparations for vaginal & vulval changes

#### 7.2.2 Vaginal & vulval infections

### 7.3 Contraceptives

#### 7.3.1 Combined hormonal contraceptives

Ethinylestradiol with Levonorgestrel

Ethinylestradiol with Norethisterone

Ethinylestradiol with Norgestimate

Ethinylestradiol with Desogestrel

Ethinylestradiol with Gestodene

Mestranol with Norethisterone

#### 7.3.2 Progestogen-only contraceptives

##### 7.3.2.1 Oral progestogen-only contraceptives

##### 7.3.2.2 Parenteral progestogen-only contraceptives

##### 7.3.2.3 Intra-uterine progestogen-only device

#### 7.3.5 Emergency contraception

### 7.4 Drugs for genito-urinary disorders

#### 7.4.1 Drugs for urinary retention

#### 7.4.2 Drugs for urinary, enuresis & incontinence

#### 7.4.3 Drugs used in urological pain

#### 7.4.4 Bladder instillations & urological surgery

#### 7.4.5 Drugs for erectile dysfunction

#### 7.4.6 Drugs for premature ejaculation

## Trust Guidelines

























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




















## NICE Guidance
























































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





















## GMMMG Formulary

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

7.1 Drugs used in Obstetrics		
7.1.1 Prostaglandins & oxytocics		NICE CG70
Carboprost	 	
Ergometrine Maleate	 	
Gemeprost	 	
Oxytocin	 	
Dinoprostone	  MMC	<b>RESTRICTED</b> Obs & Gynae Consultants only
Misoprostol (Mysodelle®) 200microgram vaginal delivery system	  MMC	<b>RESTRICTED</b> Obs & Gynae Consultants only
<b>7.1.1.1 Drugs affecting the ductus arteriosus</b>		(see BNFC section 2.14)
<b>Maintenance of patency</b>		
Alprostadiol	 	
<b>Closure of the ductus arteriosus</b>		
Indometacin	 	
<b>7.1.2 Mifepristone</b>		
Mifepristone	 	
<b>7.1.3 Myometrial relaxants</b>		
<b>Atosiban</b>		
Atosiban	  MMC	<b>RESTRICTED</b> Obs & Gynae Consultants only
<b>Beta<sub>2</sub> agonists</b>		
Salbutamol injection (see also section 3.1.1.1)	 	
Terbutaline Sulfate injection (see also section 3.1.1.1)	 	
















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

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


<b>7.3.2.2 Parenteral progestogen-only contraceptives</b>		
<b>Injectable preparations</b>		
Medroxyprogesterone Acetate (Depo-Provera®) 150mg/mL intramuscular injection	  	
Medroxyprogesterone Acetate (Sayana Press®) 160mg/mL subcutaneous injection	<b>MMC</b>   	
<b>Implants</b>		
Etonogestrel (Nexplanon®) 68mg subdermal implant	<b>MMC</b>   	<b>2<sup>nd</sup> line</b> in patients with heart disease & in women who've undergone a termination and who comply poorly with oral meds
<b>7.3.2.3 Intra-uterine progestogen-only device</b>		
Levonorgestrel (Mirena®) 20micrograms/24 hours IUD	  	
<b>7.3.5 Emergency contraception</b>		
Levonorgestrel (Levonelle® 1500)	  	
Ulipristal Acetate (ellaOne®)	<b>MMC</b>   	<b>RESTRICTED</b> emergency contraception (SARC)
<b>Assisted Reproductive Technology (ART) cycles</b>		
Progesterone (Utrogestan®) 100mg; 200mg vaginal capsules	<b>MMC</b>  	<b>RESTRICTED ART cycles</b> <b>2<sup>nd</sup> line</b>



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

<b>7.4.5 Drugs for erectile dysfunction</b>		
Alprostadil		<b>RESTRICTED</b> Urology Consultants only
	 <b>MMC</b>  	
Sildenafil	  PAH	<b>RESTRICTED</b> 1 <sup>RY</sup> Care referral only
	 <b>MMC</b>  	
Tadalafil		<b>RESTRICTED</b> 1 <sup>RY</sup> Care referral only
	 <b>MMC</b>  	
Vardenafil		<b>RESTRICTED</b> 1 <sup>RY</sup> Care referral only
	<b>MMC</b>  	
<b>7.4.6 Drugs for premature ejaculation</b>		
<b>Not stocked</b>		

## Section 8: Malignant disease & immunosuppression

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

### 8.1 Cytotoxic drugs

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

### 8.2 Drugs affecting the immune response

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

### 8.3 Sex hormones & hormone antagonists in malignant disease

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

### 8.4 Miscellaneous preparations

## Trust Guidelines

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

## NICE Guidance

Early and locally advanced breast cancer (CG80)  
 Advanced breast cancer (CG81)  
 Lung Cancer (CG121)  
 Colorectal cancer (CG131)  
 Familial breast cancer (CG164)  
 Hepatitis B (chronic) (CG165)  
 Prostate Cancer (CG175)  
 Temozolomide for malignant glioma (TA23)  
 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)  
 Breast cancer (early) - hormonal treatments (TA112)  
 Gemcitabine for Breast Cancer (TA116)  
 Bevacizumab & Cetuximab in metastatic colorectal cancer (TA118) (partially updated by TA242)  
 Leukaemia (lymphocytic) - fludarabine (TA119)  
 Carmustine implants and temozolomide for glioma (newly diagnosed & high grade) (TA121)  
 Pemetrexed for lung cancer (non small cell) (TA124)  
 Multiple sclerosis - natalizumab (TA127)  
 Bortezomib for relapsed multiple myeloma (TA129)  
 Pemetrexed for mesothelioma (TA135)  
 Rituximab for follicular non-Hodgkin's lymphoma (TA137)  
 Head and neck cancer - cetuximab (TA145)  
 Renal cell carcinoma - sunitinib (TA169)  
 Lenalidomide - multiple myeloma (TA171)  
 Rituximab for the first-line treatment of chronic lymphocytic leukaemia (TA174)  
 Cetuximab for the first-line treatment of metastatic colorectal cancer (TA176)  
 Renal Cell Carcinoma (TA178)  
 Sunitinib for gastrointestinal stromal tumours (TA179)  
 Pemetrexed for lung cancer (non-small cell) - first line treatment (TA181)  
 Cervical cancer (recurrent) - topotecan (TA183)  
 Lung cancer (small cell) - topotecan (TA184)  
 Soft tissue sarcoma - trabectedin (TA185)  
 Lung cancer (non-small-cell) - pemetrexed (maintenance) (TA190)  
 Gastric cancer (advanced) - capecitabine (TA191)  
 Lung cancer (non-small-cell, first line) - gefitinib (TA192)  
 Leukaemia (chronic lymphocytic, relapsed) - rituximab (TA193)  
 Gastrointestinal stromal tumours - imatinib (adjuvant) (TA196)  
 Hepatitis C - peginterferon alfa and ribavirin (TA200) (read in conjunction with TA75 & TA106)  
 Chronic lymphocytic leukaemia - ofatumumab (TA202)  
 Gastric cancer (HER2-positive metastatic) - trastuzumab (TA208)  
 Gastrointestinal stromal tumours (unresectable/metastatic) - imatinib (TA209) (part review of TA86)  
 Colorectal cancer (metastatic) - bevacizumab (TA212)  
 Breast cancer - bevacizumab (in combination with a taxane) (TA214) (replaces TA147)  
 Renal cell carcinoma (1<sup>st</sup> line metastatic) - pazopanib (TA215)  
 Myelodysplastic syndrome - azacitidine (TA218)  
 Everolimus for the 2<sup>nd</sup> line treatment of advanced renal cell carcinoma (TA219)  
 Ovarian cancer (relapsed) - trabectedin (TA222)  
 Lymphoma (follicular non-Hodgkin's) - rituximab (TA226)  
 Multiple myeloma (1<sup>st</sup> 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<sup>st</sup> 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)  
 Ofatumumab in combination with chlorambucil or bendamustine for untreated chronic lymphocytic leukaemia (TA344)  
 Nintedanib for previously treated locally advanced, metastatic, or locally recurrent non-small-cell lung cancer (TA347)  
 Pembrolizumab for treating advanced melanoma after disease progression with ipilimumab (TA357)  
 Idelalisib for treating chronic lymphocytic leukaemia (TA359)  
 Pembrolizumab for advanced melanoma not previously treated with ipilimumab (TA366)  
 Bortezomib for previously untreated mantle cell lymphoma (TA370)  
 Erlotinib and gefitinib for treating non-small-cell lung cancer that has progressed after prior chemotherapy (TA374)  
 Enzalutamide for treating metastatic hormone-relapsed prostate cancer before chemotherapy is indicated (TA377)  
 Nintedanib for treating idiopathic pulmonary fibrosis (TA379)  
 Panobinostat for treating multiple myeloma after at least 2 previous treatments (TA380)  
 Olaparib for ovarian, fallopian tube and peritoneal cancer (TA381)  
 Nivolumab for treating advanced (unresectable or metastatic) melanoma (TA384)  
 Ruxolitinib for treating disease-related splenomegaly or symptoms in adults with myelofibrosis (TA386)  
 Abiraterone for treating metastatic hormone-relapsed prostate cancer before chemotherapy is indicated (TA387)  
 Topotecan, PLDH, paclitaxel, trabectedin & gemcitabine for recurrent ovarian cancer (TA389)  
 Cabazitaxel for hormone-relapsed metastatic prostate cancer treated with docetaxel (TA391)  
 Ceritinib for previously treated anaplastic lymphoma kinase positive non-small-cell lung cancer (TA395)  
 Trametinib in combination with dabrafenib for treating unresectable or metastatic melanoma (TA396)  
 Nivolumab in combination with ipilimumab for treating advanced melanoma (TA400)  
 Bosutinib for previously treated chronic myeloid leukaemia (TA401)  
 Pemetrexed maintenance treatment for non-squamous non-small-cell lung cancer after pemetrexed and cisplatin (TA402)  
 Degarelix for treating advanced hormone-dependent prostate cancer (TA404)  
 Trifluridine-tipiracil for previously treated metastatic colorectal cancer (TA405)  
 Crizotinib for untreated anaplastic lymphoma kinase-positive advanced non-small-cell lung cancer (TA406)  
 Pegaspargase for treating acute lymphoblastic leukaemia (TA408)  
 Talimogene laherparepvec for treating unresectable metastatic melanoma (TA410)  
 Radium-223 dichloride for treating hormone-relapsed prostate cancer with bone metastases (TA412)  
 Osimertinib for treating locally advanced or metastatic EGFR T790M mutation-positive non-small-cell lung cancer (TA416)  
 Nivolumab for previously treated advanced renal cell carcinoma (TA417)  
 Everolimus with exemestane for treating advanced breast cancer after endocrine therapy (TA421)  
 Crizotinib for previously treated anaplastic lymphoma kinase-positive advanced non-small-cell lung cancer (TA422)  
 Eribulin for treating locally advanced or metastatic breast cancer after 2 or more chemotherapy regimens (TA423)  
 Pertuzumab for the neoadjuvant treatment of HER2-positive breast cancer (TA424)  
 Dasatinib, nilotinib and high-dose imatinib for treating imatinib-resistant or intolerant chronic myeloid leukaemia (TA425)  
 Dasatinib, nilotinib and imatinib for untreated chronic myeloid leukaemia (TA426)  
 Pomalidomide for multiple myeloma previously treated with lenalidomide and bortezomib (TA427)  
 Pembrolizumab for treating PD-L1-positive non-small-cell lung cancer after chemotherapy (TA428)  
 Everolimus for advanced renal cell carcinoma after previous treatment (TA432)  
 Cetuximab and panitumumab for previously untreated metastatic colorectal cancer (TA439)  
 Pembrolizumab for untreated PD-L1-positive metastatic non-small-cell lung cancer (TA447)  
 Everolimus & sunitinib for treating unresectable or metastatic neuroendocrine tumours (TA449)  
 Blinatumomab for previously treated Philadelphia-chromosome-negative acute lymphoblastic leukaemia (TA450)  
 Ponatinib for treating chronic myeloid leukaemia and acute lymphoblastic leukaemia (TA451)  
 Carfilzomib for previously treated multiple myeloma (TA457)  
 Trastuzumab emtansine for treating HER2-positive advanced breast cancer after trastuzumab and a taxane (TA458)  
 Nivolumab for treating relapsed or refractory classical Hodgkin lymphoma (TA462)  
 Cabozantinib for previously treated advanced renal cell carcinoma (TA463)  
 Olaratumab in combination with doxorubicin for treating advanced soft tissue sarcoma (TA465)  
 Obinutuzumab with bendamustine for treating follicular lymphoma refractory to rituximab (TA472)  
 Cetuximab for treating recurrent or metastatic squamous cell cancer of the head and neck (replaces TA172) (TA473)  
 Sorafenib for treating advanced hepatocellular carcinoma (replaces TA189) (TA474)  
 Paclitaxel with gemcitabine for untreated metastatic pancreatic cancer (replaces TA360) (TA476)  
 Brentuximab vedotin for treating relapsed or refractory systemic anaplastic large cell lymphoma (TA478)  
 Immunosuppressive therapy for kidney transplant in adults (replaces TA85) (TA481)  
 Immunosuppressive therapy for kidney transplant in children and young people (replaces TA99) (TA482)  
 Nivolumab for previously treated squamous non-small-cell lung cancer (TA483)  
 Nivolumab for previously treated non-squamous non-small-cell lung cancer (TA484)  
 Venetoclax for treating chronic lymphocytic leukaemia (TA487)  
 Regorafenib for previously treated unresectable or metastatic gastrointestinal stromal tumours (TA488)  
 Nivolumab for treating squamous cell carcinoma of the head and neck after platinum-based chemotherapy (TA490)  
 Ibrutinib for treating 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)  
 Intra-beam 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)












































## GMMMG Formulary





















































Formulary Homepage

Chapter 8: Malignant disease & immunosuppression (Complete)

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

















































































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


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

Pixantrone				   	<b>RESTRICTED Haematology Consultants only</b>
<b>8.1.3 Antimetabolites</b>					
					NICE CG81
					NICE CG131
					NICE TA29
					NICE TA61
					NICE TA100
					NICE TA116
					NICE TA119
					NICE TA124
					NICE TA135
					NICE TA181
					NICE TA190
					NICE TA191
					NICE TA218
					NICE TA402
					NICE TA493
Azacitidine				    	<b>RESTRICTED Haematology Consultants only</b>
Cladribine				   	<b>RESTRICTED Haematology Consultants only</b>
Clofarabine				 	<b>RESTRICTED Haematology Consultants only</b>
Cytarabine				  	<b>RESTRICTED Haematology Consultants only</b>
Fludarabine				  	<b>RESTRICTED Haematology Consultants only</b>
Gemcitabine				  	<b>RESTRICTED Haematology Consultants only</b>
Mercaptopurine				 	
see also section 1.5.3					
Methotrexate				  	
see also sections 1.5.3, 10.1.3 & 13.5.3					
Pemetrexed				    	<b>RESTRICTED Respiratory Consultants only in line with TA402</b>
<b>8.1.4 Vinca alkaloids &amp; etoposide</b>					
Etoposide				 	<b>RESTRICTED Haematology Consultants only</b>
Vinblastine Sulfate				 	<b>RESTRICTED Haematology Consultants only</b>
Vincristine Sulfate				 	<b>RESTRICTED Haematology Consultants only</b>
<b>8.1.5 Other antineoplastic drugs</b>					
					NICE TA129
					NICE TA228
					NICE TA268
					NICE TA311
					NICE TA319
					NICE TA333
					NICE TA347
					NICE TA357
					NICE TA366
					NICE TA370
					NICE TA374
					NICE TA379
































































8.1.5 Other antineoplastic drugs (cont)			NICE TA380
			NICE TA395
			NICE TA400
			NICE TA408
			NICE TA410
			NICE TA421
			NICE TA423
			NICE TA424
			NICE TA428
			NICE TA432
			NICE TA439
			NICE TA447
			NICE TA457
			NICE TA458
			NICE TA463
			NICE TA473
			NICE TA474
			NICE TA478
			NICE TA487
			NICE TA505
			NICE TA515
			NICE TA516
			NICE TA519
			NICE TA522
			NICE TA523
			NICE TA524
			NICE TA526
			NICE TA528
Arsenic Trioxide	Red	NICE MMC BNF emc	<b>RESTRICTED</b> Haem. Consultants only, also in line with NICE TA526
Asparaginase e-coli	Red	BNF emc MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Bortezomib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Brentuximab Vedotin	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Cabozantinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
Carfilzomib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
Ceritinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE <b>NOT STOCKED</b>
Cetuximab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
Crisantaspace	Red	BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Dacarbazine	Red	BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Eribulin	Red	NICE MMC BNF emc	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
Erlotinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE <b>NOT STOCKED</b>
Everolimus	Red	NICE MMC BNF emc	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>

Hydroxycarbamide	Red	 	<b>RESTRICTED</b> Haematology Consultants only
see below			
Ipilimumab	Red	    	<b>RESTRICTED</b> Dermatology Consultants only in line with NICE <b>NOT STOCKED</b>
Ixazomib	Red	    	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
Midostaurin	Red	    	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
Nintedanib	Red	    	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE <b>NOT STOCKED</b>
Niraparib	Red	    	<b>RESTRICTED</b> Gynaecology Consultants only in line with NICE <b>NOT STOCKED</b>
Panitumumab	Red	    	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
Panobinostat	Red	    	<b>RESTRICTED</b> Haematology Consultants only in line with TA380
Pegaspargase		    	<b>RESTRICTED</b> Haematology Consultants only
Oncaspar®			
Pembrolizumab	Red	     	<b>RESTRICTED</b> Consultants only in line with NICE <b>NOT STOCKED</b>
Pentostatin	Red	 	<b>RESTRICTED</b> Haematology Consultants only
Pertuzumab	Red	   	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
Procarbazine	Red	   	<b>RESTRICTED</b> Haematology Consultants only
Sorafenib	Red	    	<b>RESTRICTED</b> Haematology Consultants only on line with NICE
Talimogene laherparepvec		    	<b>RESTRICTED</b> Dermatology Consultants only in line with TA410
Trastuzumab emtansine	Red	    	<b>RESTRICTED</b> Specialist use only in line with NICE
Venetoclax		    	<b>RESTRICTED</b> Specialist use only in line with NICE TA487
Hydroxycarbamide - Essential thrombocythaemia or polycythaemia with high risk of complications			Amber
Hydroxycarbamide - Sickle Cell Disease			Amber
Hydroxycarbamide - Chemotherapy			Red
<b>Platinum compounds</b>			
Cisplatin	Red	 	<b>RESTRICTED</b> Haematology Consultants only











































<b>Protein kinase inhibitors</b>			NICE TA 86
			NICE TA169
			NICE TA179
			NICE TA192
			NICE TA209
			NICE TA321
			NICE TA326
			NICE TA333
			NICE TA359
			NICE TA386
			NICE TA396
			NICE TA401
			NICE TA406
			NICE TA416
			NICE TA421
			NICE TA422
			NICE TA425
			NICE TA426
			NICE TA429
			NICE TA449
			NICE TA451
			NICE TA488
			NICE TA491
			NICE TA495
			NICE TA496
			NICE TA502
			NICE TA512
			NICE TA514
			NICE TA529
Axitinib		PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
Bosutinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with TA401
Crizotinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
Dabrafenib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA321 <b>NOT STOCKED</b>
Dasatinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Gefitinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA192 <b>NOT STOCKED</b>
Ibrutinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haem. Consultants only / also in line with NICE 
Idelalisib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA359 <b>NOT STOCKED</b>
Imatinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Nilotinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Osimertinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA416 <b>NOT STOCKED</b>
Palbociclib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA495 <b>NOT STOCKED</b>

Ponatinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA451
Regorafenib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA488 <b>NOT STOCKED</b>
Ribociclib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA496 <b>NOT STOCKED</b>
Ruxolitinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with TA386
Sunitinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
Tivozanib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
Trametinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA396 <b>NOT STOCKED</b>
<b>Topoisomerase I inhibitors</b>			
Tretinoin	Red	BNF by children BNF emc	<b>RESTRICTED</b> Haematology Consultants only
<b>Taxanes</b>			<b>NICE TA389</b>
			<b>NICE TA391</b>
			<b>NICE TA476</b>
Paclitaxel	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Cabazitaxel	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only

































8.2 Drugs affecting the immune response		GMMG
<b>8.2.1 Antiproliferative immunosuppressants</b>		<b>NICE TA481 / TA482</b>
Azathioprine	Amber  	
Mycophenolate Mofetil	Amber    	
Belatacept (Nulojix®)	    	<b>RESTRICTED Renal Transplant Consultants only</b> <b>NOT STOCKED</b>
<b>8.2.2 Corticosteroids &amp; other immunosuppressants</b>		<b>NICE TA481 / TA482</b>
Tacrolimus	   	
see below		
Antithymocyte immunoglobulin (Rabbit)	  	
Ciclosporin (Deximune®) & I.V. (Sandimmun®)	  	
see below		
Sirolimus	  	<b>RESTRICTED Renal Consultants only</b>
see below		
Basiliximab	   	<b>RESTRICTED Renal Consultants only</b>
Immunosuppressants - e.g. ciclosporin, tacrolimus, sirolimus	Amber	 If no SCP
<b>8.2.3 Anti-lymphocyte monoclonal antibodies</b>		<b>NICE TA137</b>
		<b>NICE TA174</b>
		<b>NICE TA193</b>
		<b>NICE TA202</b>
		<b>NICE TA226</b>
		<b>NICE TA243</b>
		<b>NICE TA308</b>
		<b>NICE TA312</b>
		<b>NICE TA343</b>
		<b>NICE TA344</b>
		<b>NICE TA450</b>
		<b>NICE TA472</b>
		<b>NICE TA492</b>
		<b>NICE TA509</b>
		<b>NICE TA510</b>
		<b>NICE TA513</b>
		<b>NICE TA517</b>
		<b>NICE TA520</b>
		<b>NICE TA525</b>
Alemtuzumab	     	<b>RESTRICTED Renal Consultants only</b> <b>under Patient Access Scheme</b>
Atezolizumab	     	<b>RESTRICTED Urology Consultants</b> <b>only in line with NICE</b>
Avelumab	     	<b>RESTRICTED Dermatology</b> <b>Consultants only in line with NICE</b>
Blinatumomab	     	<b>RESTRICTED Haematology</b> <b>Consultants only in line with NICE</b>
Burosumab	  	<b>RESTRICTED X-linked hypophosphatemia</b>
Daratumumab	    	<b>RESTRICTED Haematology</b> <b>Consultants only in line with NICE</b>

Obinutuzumab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
Ofatumumab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
Pertuzumab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
Rituximab		PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Renal Consultants only
<a href="#">see also section 10.1.3</a> <b>8.2.4 Other immunomodulating drugs</b>			NICE TA75
			NICE TA96
			NICE TA106
			NICE TA200
			NICE TA300
<b>Interferon alfa</b>			
Interferon alfa-2a	Red	PbR X BNF emc	
Roferon-A®			
Interferon alfa-2b	Red	PbR X BNF emc	
IntronA®			
Peginterferon alfa-2a	Red	PbR X MMC BNF emc	<b>RESTRICTED</b> Gastro Consultants only
Pegasys®			
Peginterferon alfa-2b	Red	PbR X MMC BNF emc	<b>RESTRICTED</b> Gastro Consultants only
ViraferonPeg®			
<b>Interferon beta</b>			
Interferon beta-1a	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA527 <b>NOT STOCKED</b>
Interferon beta-1b	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA527 <b>NOT STOCKED</b>
<b>BCG bladder instillation</b>			
BCG bladder instillation	Red	BNF emc	<b>RESTRICTED</b> Specialist use only
Immucyst®			
<b>Dimethyl Fumarate</b>			
Dimethyl Fumarate	Red	NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA320
<b>Fingolimod</b>			
Fingolimod Hydrochloride		PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA254
<b>Other Agents</b>			
			NICE TA127
			NICE TA171
			NICE TA228
			NICE TA235
			NICE TA303
			NICE TA322
			NICE TA381
			NICE TA384
			NICE TA400
			NICE TA417
			NICE TA427
			NICE TA462
			NICE TA483
			NICE TA484
			NICE TA490
Lenalidomide	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only

Thalidomide	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
Pomalidomide	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Haematology only / also in line with NICE TA427
Mifamurtide	Red	NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA235 <b>NOT STOCKED</b>
Natalizumab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA127 <b>NOT STOCKED</b>
Teriflunomide	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA303 <b>NOT STOCKED</b>
Olaparib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA381 <b>NOT STOCKED</b>
Nivolumab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with TAs: 384; 400; 417; 462; 483; 484 & 490 MHRA
Glatiramer acetate	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA527 <b>NOT STOCKED</b>

8.3 Sex hormones & hormone antagonists in malignant disease		GMMMG
<b>8.3.1 Oestrogens</b>		
Diethylstilbestrol	 	<b>RESTRICTED Specialist use only</b>
<b>8.3.2 Progestogens</b>		
Medroxyprogesterone Acetate	 	<b>RESTRICTED Specialist use only</b>
Megestrol Acetate	 	<b>RESTRICTED Specialist use only</b>
<b>8.3.3 Androgens</b>		
Testolactone	 	<b>RESTRICTED Specialist use only</b>
<b>8.3.4 Hormone Antagonists</b>		<b>NICE TA112</b>
<b>8.3.4.1 Breast Cancer</b>		
Aminoglutethimide	 	<b>RESTRICTED Specialist use only</b>
Anastrozole 	 <b>MMC</b>  	<b>RESTRICTED Specialist use only</b>
Exemestane 	 <b>MMC</b>  	<b>RESTRICTED Specialist use only</b>
Letrozole 	  	<b>RESTRICTED Specialist use only</b>
Tamoxifen 	 	<b>RESTRICTED Specialist use only</b>
<b>8.3.4.2 Gonadorelin analogues &amp; gonadotrophin-releasing hormone antagonists</b>		
<b>Gonadorelin analogues</b>		
Buserelin <a href="#">see also section 6.7.2</a>	 	<b>RESTRICTED Specialist use only</b>
Goserelin <a href="#">see below (also section 6.7.2)</a>	 	<b>RESTRICTED Specialist use only</b>
Leuprorelin Acetate <a href="#">see below (also section 6.7.2)</a>	 	<b>RESTRICTED Specialist use only</b>
Triptorelin <a href="#">see below (also section 6.7.2)</a>	 	<b>RESTRICTED Specialist use only</b>
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)		
<b>Anti-androgens</b>		<b>NICE TA377</b>
		<b>NICE TA387</b>
Bicalutamide 	 	<b>RESTRICTED Specialist use only</b>
Cyproterone Acetate <a href="#">see also section 6.4.2</a>	 	<b>RESTRICTED Specialist use only</b>



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

## 8.4 Miscellaneous preparations

Glucarpidase (Voraxaze®)



1,000 unit injection

MMC



BNF

emc

2<sup>nd</sup> line rescue therapy in patients with delayed methotrexate excretion

Trifluridine / Tipiracil hydrochloride

NICE


MMC

BNF

emc

**RESTRICTED** Specialist use only in line with NICE TA405

## Section 9: Nutrition & blood

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

### 9.1 Anaemias and some other blood disorders

- 9.1.1 Iron deficiency anaemias
  - 9.1.1.2 Parenteral iron
- 9.1.2 Drugs used in megaoblastic anaemias
- 9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias
- 9.1.4 Drugs used in platelet disorders
- 9.1.6 Drugs used in neutropenia
- 9.1.7 Drugs used to mobilise stem cells

### 9.2 Fluids and electrolytes

- 9.2.1 Oral preparations for fluid & electrolyte imbalance
- 9.2.2 Parenteral preparations for fluid & electrolyte imbalance

### 9.3 Intravenous nutrition

### 9.4 Oral nutrition

### 9.5 Minerals

- 9.5.1 Calcium and magnesium
- 9.5.2 Phosphorus
- 9.5.3 Fluoride
- 9.5.4 Zinc

### 9.6 Vitamins

- 9.6.1 Vitamin A
- 9.6.2 Vitamin B group
- 9.6.3 Vitamin C (Ascorbic acid)
- 9.6.4 Vitamin D
- 9.6.5 Vitamin E (Tocopherols)
- 9.6.6 Vitamin K
- 9.6.7 Multivitamin preparations

### 9.7 Bitters & tonics

### 9.8 Metabolic disorders

- 9.8.1 Drugs used in metabolic disorders
- 9.8.2 Acute porphyrias

## Trust Guidelines


































































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



































## NICE Guidance































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






## GMMM Formulary

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

9.1 Anaemias and some other blood disorders		GMMMG
<b>9.1.1 Iron deficiency anaemias</b>		
<b>9.1.1.1 Oral iron</b>		
Ferrous Sulfate	  	<b>1<sup>st</sup> line use</b>
<b>standard preparations only</b>		
Ferrous Fumarate	  	
Sodium Ferredetate	  	
<b>liquid only preparation</b>		
<b>Iron &amp; folic acid</b>		
Ferrous Sulfate	  	
Ferrous Fumarate	 	
<b>9.1.1.2 Parenteral iron</b>		
Ferric Carboxymaltose	 Ferinject® injection   	<b>RESTRICTED</b>
Iron (III) Isomaltoside 1000	 Monofer® injection   	<b>RESTRICTED</b>
Iron Sucrose	 Venofer® injection   	<b>RESTRICTED</b>
<b>9.1.2 Drugs used in megaloblastic anaemias</b>		
Hydroxocobalamin	 Intramuscular injection  	<b>1<sup>st</sup> line use</b>
<b>9.1.3 Drugs used in hypoplastic, haemolytic &amp; renal anaemias</b>		
<b>Erythropoietins</b>		<b>NICE TA323</b>
Darbepoetin Alfa	    	<b>RESTRICTED Renal Consultants only</b>
Epoetin Alfa	   	<b>RESTRICTED Renal Consultants only</b>
Epoetin Beta	   	<b>RESTRICTED Renal Consultants only</b>
<b>Sickle-cell disease</b>		
Hydroxycarbamide	   	<b>RESTRICTED Haematology Consultants only</b>
<b>Iron overload</b>		
Deferasirox	    	<b>RESTRICTED Haematology Consultants only</b>
Deferiprone	    	<b>RESTRICTED Haematology Consultants only</b>
Desferrioxamine Mesilate	   	<b>RESTRICTED Haematology Consultants only</b>
<b>Paroxysmal nocturnal haemoglobinuria &amp; atypical haemolytic uraemic syndrome</b>		<b>NICE HST1</b>
Eculizumab	    	<b>RESTRICTED Haematology Consultants only</b>

9.1.4 Drugs used in platelet disorders						NICE TA221
						NICE TA293
Anagrelide	Red			   	<b>RESTRICTED</b> Haematology Consultants only	
Eltrombopag	Red	    		<b>RESTRICTED</b> Haematology Consultants only		
Romiplostim		    		<b>RESTRICTED</b> Haematology Consultants only		
9.1.6 Drugs used in neutropenia						
Filgrastim	Red	   		<b>RESTRICTED</b> Haematology Consultants only		
Lenograstim	Red	  		<b>RESTRICTED</b> Haematology Consultants only		
Pegfilgrastim	Red	   		<b>RESTRICTED</b> Paediatric Haematology Consultants only		
9.1.7 Drugs used to mobilise stem cells						
Plerixafor		   		<b>RESTRICTED</b> - initiation on advice of Haematology Consultant only		
					<b>NHSE Commissioning</b>	

9.2 Fluids and electrolytes		GMMG
<b>9.2.1 Oral preparations for fluid &amp; electrolyte imbalance</b>		
<b>9.2.1.1 Oral potassium</b>		
Potassium Chloride	 	
(Sando-K®) Liquid (Kay-Cee-L®)		
<b>Potassium removal</b>		
Calcium Polystyrene Sulfonate	 	
Calcium Resonium®		
<b>9.2.1.2 Oral sodium and water</b>		
Sodium Chloride (Slow Sodium®)	 	
600mg M/R tabs		
<b>Oral Rehydration Therapy (ORT)</b>		
Oral Rehydration Salts (ORS)	 	
<b>9.2.1.3 Oral bicarbonate</b>		
Sodium Bicarbonate	 	
500mg caps; 8.4% (1mmol/mL) oral solution		
<b>9.2.2 Parenteral preparations for fluid &amp; electrolyte imbalance</b>		
<b>9.2.2.1 Electrolytes &amp; water</b>		
<b>Intravenous sodium</b>		
Sodium Chloride	 	
<b>Sodium chloride with other ingredients</b>		
Sodium Chloride & Glucose	 	
Sodium Chloride, Calcium Chloride & Potassium Chloride (Ringer's solution)	 	
Sodium Chloride, Calcium Chloride, Potassium Chloride & Sodium Lactate	 	
<b>Intravenous glucose</b>		
Glucose	 	
<b>Intravenous potassium</b>		
Potassium Chloride and Glucose	 	
Potassium Chloride and Sodium Chloride	 	
Potassium Chloride, Sodium Chloride & Glucose	 	
<b>Bicarbonate and lactate</b>		
Sodium Bicarbonate	 	
1.26%, 2.74%, 4.2% & 8.4% available		
<b>Water</b>		
Water for Injections	 	

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



## 9.3 Intravenous nutrition

BNF



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






































NICE CG32














## 9.4 Oral nutrition







































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

NICE CG32

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












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

9.6 Vitamins		GMMG	
<b>9.6.1 Vitamin A</b>			
Vitamin A		 	
150,000units/mL drops			
Vitamin A Palmitate		 	
100,000units/2mL injection			
Vitamins A & D		 	
capsules			
<b>9.6.2 Vitamin B group</b>			
Pyridoxine Hydrochloride		 	
Thiamine		 	
Vitamin B Compound		 	
Vitamin B Compound Strong		 	
Vitamins B & C		 	
Pabrinex® Intramuscular (IM) & Intravenous (IV) injection			
<b>9.6.3 Vitamin C (Ascorbic acid)</b>			
Ascorbic acid		 	
<b>9.6.4 Vitamin D</b>			
Alfacalcidol	<span style="background-color: green; color: white; padding: 2px;">Green</span>	 	
Calcitriol		 	
<b>Vitamin D and calcium</b>			
Colecalciferol		 	<b>1<sup>st</sup> line use</b>
Calcichew D3® Forte tablets			
Calcium & Ergocalciferol		 	
calcium 97mg/vitamin D 400units			
Colecalciferol		 	
Cacit® D3 effervescent granules			
<b>9.6.5 Vitamin E (Tocopherols)</b>			
Alpha Tocopheryl Acetate (Vitamin E)		 	
500mg/5mL liquid			
Alpha Tocopheryl Acetate (Vitamin E)		 	
75 unit capsules			
<b>9.6.6 Vitamin K</b>			
Phytomenadione		 	
Konakion® MM & Konakion® MM Paediatric	<b>MMC</b>		
Menadiol Sodium Phosphate		 	
	<b>MMC</b>		

<b>9.6.7 Multivitamin preparations</b>		
Vitamins B,C Renavit® tablets	<b>MMC</b> <b>BNF</b> <b>emc</b>	<b>RESTRICTED</b>
Vitamins A,D,E,K Paravit-CF®	<b>MMC</b> <b>BNF</b> <b>emc</b>	<b>RESTRICTED</b> Paediatric CF patients

## 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

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




**9.8.2 Acute porphyrias**

Haem Arginate

PbR X



## Section 10: Musculoskeletal & Joint Diseases

Supported by the  
formulary (click here 

### 10.1 Drugs used in rheumatic diseases & gout

- 10.1.1 Non-steroidal anti-inflammatory drugs
- 10.1.2 Corticosteroids
- 10.1.3 Drugs that suppress the rheumatic disease process
  - Gold
  - Penicillamine
  - Antimalarials
  - Drugs affecting the immune response
  - Cytokine modulators
- 10.1.4 Gout and cytotoxic induced hyperuricaemia
- 10.1.5 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 muscular dystrophy

### 10.3 Drugs for the relief of soft-tissue inflammation

- 10.3.1 Enzymes
- 10.3.2 Rubefacients & other topical antirheumatics

### 10.4 Miscellaneous preparations

## Trust Guidelines


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































## NICE Guidance

Biosimilar Medicines (KTT15)  
 Rheumatoid Arthritis (CG79)  
 Osteoarthritis (CG177)  
 Ataluren for treating Duchenne muscular dystrophy with a nonsense mutation in the dystrophin gene (HST3)  
 Hyperuricaemia - febuxostat (TA164)  
 Psoriasis - ustekinumab (TA180)  
 Rheumatoid arthritis - drugs for treatment after failure of a TNF inhibitor (TA195)  
 Psoriatic arthritis - 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)
































## GMMMG Formulary















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

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

<b>Drugs affecting the immune response</b>				
Azathioprine	Amber		 	<b>RESTRICTED</b> Rheumatology Consultants only
<a href="#">see also section 8.2.1</a>				
Ciclosporin	Amber		  <b>MMC</b>	<b>RESTRICTED</b> Consultants only
<a href="#">see also sections 8.2.2 &amp; 13.5.3</a>				
Leflunomide	Amber		  <b>MMC</b>	<b>RESTRICTED</b> Rheumatology Consultants only
Methotrexate	Amber (oral)	Red (parenteral)	  <b>MMC</b>	<b>RESTRICTED</b> Consultants only
<a href="#">see also sections 1.5.3, 8.1.3 &amp; 13.5.3</a>				
<b>Cytokine modulators</b>				
				NICE TA180
				NICE TA195
				NICE TA199
				NICE TA220
				NICE TA225
				NICE TA238
				NICE TA247
				NICE TA308
				NICE TA340
				NICE TA373
				NICE TA375
				NICE TA383
				NICE TA397
				NICE TA407
				NICE TA415
				NICE TA445
				NICE TA460
				NICE TA466
				NICE TA480
				NICE TA485
				NICE TA518
Abatacept	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Rheumatology Consultants only
Adalimumab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only in line with NICE guidance
<a href="#">see also sections 1.5.3 &amp; 13.5.3</a>				
Anakinra	Red		  <b>MMC</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only in line with NICE guidance
Certolizumab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Rheumatology Consultants in line with NICE
<a href="#">see also section 13.5.3</a>				
Etanercept	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only; in line with NICE guidance
Infliximab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only in line with NICE guidance <b>MMC Remsima</b>
Rituximab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only in line with NICE guidance
<a href="#">see also section 8.2.3</a>				
Tocilizumab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only in line with NICE guidance
Golimumab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only in line with NICE guidance
Belimumab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Consultants only. Financial approval for each patient
Ustekinumab	Red		  <b>MMC</b> <b>NICE</b> <b>PbR X</b>	<b>RESTRICTED</b> Dermatology TA340 / Gastro 3 <sup>rd</sup> line Crohn's
<a href="#">see also section 13.5.3</a>				

Sarilumab		PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE
Secukinumab	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE
Baricitinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE
Tofacitinib	Red	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE
<b>10.1.4 Gout and cytotoxic induced hyperuricaemia</b>			<b>NICE TA164</b>
<b>Acute attacks of gout</b>			
Colchicine		BNF emc	
<b>Long-term control of gout</b>			
Allopurinol		BNF emc	<b>1<sup>st</sup> line use</b>
Febuxostat	Green	NICE MMC BNF emc	<b>RESTRICTED</b> Rheumatology Consultants only
<b>Hyperuricaemia associated with cytotoxic drugs</b>			
Rasburicase		PbR X MMC BNF emc	<b>RESTRICTED</b> Haematology Consultants only
<b>10.1.5 Other drugs for rheumatic diseases</b>			<b>NICE CG177</b>
			<b>NICE TA477</b>
			<b>NICE TA508</b>

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

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



## 10.4 Miscellaneous preparations

Glucarpidase (Voraxaze®)



1,000 unit injection




MMC



2<sup>nd</sup> line rescue therapy in patients with delayed methotrexate excretion

## Section 11: Eye

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

### 11.3 Anti-infective eye preparations

11.3.1 Antibacterials

11.3.3 Antivirals

### 11.4 Corticosteroid & other anti-inflammatory preparations

11.4.1 Corticosteroids

11.4.2 Other anti-inflammatory preparations

### 11.5 Mydriatics & cycloplegics

### 11.6 Treatment of glaucoma

### 11.7 Local anaesthetics

### 11.8 Miscellaneous ophthalmic preparations

11.8.1 Tear deficiency, ocular lubricants & astringents

11.8.2 Ocular diagnostic & peri-operative preparations & photodynamic treatment

## Trust Guidelines







































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






















































## NICE Guidance
















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


































## GMMMG Formulary






















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

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

11.4 Corticosteroid & other anti-inflammatory preparations		GMMMG
		NICE TA229
		NICE TA301
		NICE TA349
		NICE TA460
<b>11.4.1 Corticosteroids</b>		
Betamethasone	 0.1% eye drops & ointment	 
Dexamethasone	 0.1% eye drops & minims	 
Dexamethasone (Intravitreal implant)	 700micrograms intravitreal implant	    
Fluocinolone Acetonide	 190micrograms intravitreal implant	    
Prednisolone	 0.5% eye drops; 1% eye drops; 0.5% minims	 
Fluorometholone	 0.1% eye drops	 
Triamcinolone Acetonide (Triesence®)	 40mg/mL injectable suspension	  
<b>Corticosteroids preparations with antibiotics</b>		
Betamethasone / Neomycin Sulphate	 0.1% / 0.5% eye drops (Betnesol-N®)	 
Dexamethasone / Neomycin Sulphate / Polymyxin B Sulphate	 1 mg/mL : 3500 IU/mL : 6000 IU/mL (Maxitrol® eye drops & ointment)	 
<b>11.4.2 Other anti-inflammatory preparations</b>		
Sodium Cromoglicate	 2% eye drops	 
Antazoline with Xylometazoline	 0.5% eye drops	 
Azelastine	 0.05% eye drops	 
Lodoxamide	 0.1% eye drops	 
Olopatadine	 1mg/mL eye drops	  
Potassium Ascorbate	 10% eye drops	 

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

11.6 Treatment of glaucoma		GMMG
<b>Beta-blockers</b>		NICE CG85
Timolol	 0.25%, 0.5% eye drops	 
Timolol once daily	 0.25%, 0.5% long-acting ophthalmic gel	 
Betaxolol	 0.25%, 0.5% eye drops, 0.25% minims	 
Levobunolol Hydrochloride	 0.5% eye drops	 
<b>Prostaglandin analogues and prostamides</b>		
Travoprost	 40 microgram/mL eye drops	<b>MMC</b>  
Latanoprost	 50 microgram/mL eye drops	 
Latanoprost (preservative free)	 50 microgram/mL preservative free eye drops	<b>MMC</b>  
Bimatoprost	 100 microgram/mL eye drops	<b>MMC</b>  
<b>Prostaglandin analogues (combination products)</b>		
Bimatoprost / Timolol (Ganfort®)	 100microgram/mL / 0.5% eye drops	<b>MMC</b>  
<b>Sympathomimetics</b>		
Brimonidine Tartrate	 0.2% eye drops	<b>MMC</b>  
Apraclonidine	 0.5% eye drops	  <b>RESTRICTED to delay laser treatment / surgery in uncontrolled glaucoma</b>

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

























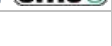

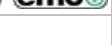














0.5% eye drops







































Tetracaine (Amethocaine) (minims)


1%, 2% eye drops



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

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

## 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































No applicable NICE Guidance

## GMMMG Formulary

Formulary Homepage  
Chapter 12: Ear, nose & oropharynx (Complete)  
GMMMG Adult [Red/Amber/Green](#) Drug List  
GMMMG Paediatric [Red/Amber/Green](#) Drug List


12.1 Drugs acting on the ear		GMMG
<b>12.1.1 Otitis externa</b>		
<b>Astringent preparations</b>		
Aluminium Acetate	 	
<b>Anti-inflammatory preparations</b>		
Betamethasone Sodium Phosphate (Betnesol®)	 	
0.1% ear drops		
Prednisolone Sodium Phosphate (Predsol®)	 	
0.5% ear drops		
<b>Anti-inflammatory with antibacterial preparations</b>		
Dexamethasone / Neomycin Sulphate (Otomize®)	 	
0.1% / 3250u per mL ear spray		
Dexamethasone / Framycetin Sulphate / Gramicidin (Sofradex®)	 	
0.05% / 0.5% / 0.005% ear/eye drops		
Flumetasone Pivalate / Clioquinol (Locorten-Vioform®)	 	
0.02% / 1% ear drops		
Hydrocortisone / Gentamicin	 	
1% / 0.3% ear drops		
Hydrocortisone / Neomycin Sulfate / Polymyxin B Sulphate (Otosporin®)	 	
10mg per mL : 3400u per 1mL : 10,000u per 1mL (10mL ear drops)		
<b>Anti-infective preparations</b>		
Clotrimazole	 	
1% ear drops		
<b>12.1.3 Removal of ear wax</b>		
Chlorobutanol / Arachis oil (Cerumol®)	 	
ear drops		
Olive oil ear drops	 	
ear drops		
Sodium Bicarbonate	 	
5% ear drops		

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

12.3 Drugs acting on the oropharynx		GMMMG
<b>12.3.1 Drugs for oral ulceration &amp; inflammation</b>		
<b>Local Analgesics</b>		
Benzydamine Hydrochloride 0.15% oral rinse; 0.15% spray	  	
Carmellose Sodium 30g protective paste	  	
<b>Corticosteroids</b>		
Hydrocortisone	  	
<b>12.3.2 Oropharyngeal anti-infective drugs</b>		
<b>Oropharyngeal fungal infections</b>		
Nystatin 100,000 units/mL oral suspension	  	
Amphotericin	  	
Miconazole 2% oral gel	  	
<b>12.3.4 Mouthwashes, gargles &amp; dentifrices</b>		
Chlorhexidine Gluconate 0.2% mouthwash	  	
<b>12.3.5 Treatment of dry mouth</b>		
<b>Local treatment</b>		
AS Saliva Orthana®	  	
BioXtra® oral gel	  	
<b>Systemic treatment</b>		
Pilocarpine 5mg tablets	  	<b>RESTRICTED Consultant use only</b> following irradiation for head & neck cancer



## Section 13: Skin

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

### 13.2 Emollient & barrier preparations

13.2.1 Emollients

13.2.2 Barrier preparations

### 13.3 Topical local anaesthetics & antipruritics

### 13.4 Topical corticosteroids

### 13.5 Preparations for eczema & psoriasis

13.5.1 Preparations for eczema

13.5.2 Preparations for psoriasis

13.5.3 Drugs affecting the immune response

Cytokine Modulators

### 13.6 Acne & Rosacea

13.6.1 Topical preparations for acne

13.6.2 Oral preparations for acne

### 13.7 Preparations for warts & calluses

### 13.8 Sunscreens & camouflagers

13.8.1 Sunscreen preparations

Photodamage

### 13.9 Shampoos & other preparations for scalp/hair conditions

### 13.10 Anti-infective skin preparations

13.10.1 Antibacterial preparations

13.10.2 Antifungal preparations

13.10.3 Antiviral preparations

13.10.4 Parasitocidal preparations

13.10.5 Preparations for minor cuts & abrasions

### 13.11 Skin cleansers, antiseptics & desloughing agents

13.11.1 Alcohols & saline

13.11.2 Chlorhexidine salts

13.11.4 Iodine

13.11.6 Oxidisers & dyes

13.11.7 Desloughing agents

### 13.12 Antiperspirants

### 13.13 Topical circulatory preparations

### 13.14 Miscellaneous preparations

## Trust Guidelines










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

## NICE Guidance

Biosimilar Medicines (KTT15)  
 Atopic eczema in children (CG57)  
 Surgical site infection (CG74)  
 Psoriasis (CG153)  
 Pressure Ulcers (CG179)  
 Pubic lice CKS (2011)  
 Scabies CKS (2011)  
 Acne vulgaris CKS (2014)  
 Head lice CKS (2015)  
 Atopic dermatitis (eczema) - topical steroids (TA81)  
 Atopic dermatitis (eczema) - pimecrolimus and tacrolimus (TA82)  
 Psoriasis - efalizumab and etanercept (TA103) 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)

## GMMMG Formulary

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

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

**13.3 Topical local anaesthetics & antipruritics**

GMMG

**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® hydrocortisone 1% plus clotrimazole 1% cream	  	Mild
Daktacort® hydrocortisone 1%, miconazole nitrate 2% cream; ointment	  	Mild
Eurax-Hydrocortisone® hydrocortisone 0.25%, crotamiton 10% cream	  	Mild
Fucidin H® hydrocortisone 1%, fusidic acid 1% cream	  	Mild
BETAMETHASONE ESTERS		Potency
Betamethasone valerate 0.025% ointment, cream	  	Moderate
Betnovate-RD® Betamethasone valerate 0.025% cream; ointment	  	Moderate
CLOBETASONE BUTYRATE		Potency
Eumovate® (Clobetasone Butyrate) 0.05% cream; ointment	  	Moderate
BETAMETHASONE ESTERS		Potency
Betamethasone valerate 0.1% ointment; cream; lotion; scalp lotion	  	Potent
Betnovate® 0.1% cream; ointment; scalp application; lotion	  	Potent
Betnovate-C® Betamethasone valerate 0.1% plus clioquinol 3% cream; ointment	  	Potent
Betnovate-N® Betamethasone valerate 0.1% plus neomycin 0.5% cream; ointment	  	Potent
Diprosalic® Betamethasone dipropionate 0.05%, salicylic acid 3% ointment	  	Potent
Fucibet® Betamethasone valerate 0.1% plus fusidic acid 2% cream	  	Potent
Betnovate® <b>DERMATOLOGY ONLY</b> ointment 25% in coal tar	  	Potent
CLOBETASOL PROPIONATE		Potency
Dermovate® clobetasol propionate 0.05% ointment; cream; lotion; scalp lotion	  	Very potent
Dermovate NN® clobetasol propionate 0.05% plus neomycin plus nystatin cream	  	Very potent
Etrivex® <b>Primary Care referral</b> clobetasol propionate 500micrograms/g shampoo	  	Very potent <b>RESTRICTED - 1ry Care referral</b>

13.5 Preparations for eczema & psoriasis		GMMMG
<b>13.5.1 Preparations for eczema</b>		<b>NICE TA177</b>
Alitretinoin <span style="background-color: red; color: white; padding: 2px;">Red</span> (chronic hand eczema)	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">PbR X</span> <span style="background-color: purple; color: white; padding: 2px;">NICE</span> <span style="background-color: green; color: white; padding: 2px;">MMC</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
10mg; 30mg capsules		
<b>13.5.2 Preparations for psoriasis</b>		
<b>Topical preparations for psoriasis</b>		<b>NICE CG153</b>
		<b>NICE TA103</b>
		<b>NICE TA134</b>
		<b>NICE TA146</b>
		<b>NICE TA180</b>
		<b>NICE TA350</b>
		<b>NICE TA419</b>
		<b>NICE TA433</b>
		<b>NICE TA442</b>
		<b>NICE TA445</b>
Calcipotriol	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
Dovonex® ointment; with Betamethasone (Dovobet® 0.05% ointment)		
Dithranol	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
Dithocream®, 0.1% & 0.25%		
Salicylic acid	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
Zinc & Salicylic acid paste BP (Lassar's Paste)		
Tacalcitol (Curatoderm®)	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
lotion; ointment		
<b>Tars</b>		
Coal tar paste BP	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
paste		
Cocoi®	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
scalp ointment		
<b>Oral retinoids for psoriasis</b>		
Acitretin <span style="background-color: red; color: white; padding: 2px;">Red</span> (predominantly due to safety concerns in pregnancy)	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
10mg; 25mg capsules		
<b>Dimethyl Fumarate</b>		<b>NICE TA475</b>
Dimethyl Fumarate <span style="background-color: red; color: white; padding: 2px;">Red</span>	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">PbR X</span> <span style="background-color: purple; color: white; padding: 2px;">NICE</span> <span style="background-color: green; color: white; padding: 2px;">MMC</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only in line with NICE
30mg; 120mg tablets		
<b>13.5.3 Drugs affecting the immune response</b>		<b>NICE TA82</b>
Azathioprine <span style="background-color: orange; color: white; padding: 2px;">Amber</span>	<span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
25mg; 50mg tablets (see also section 8.2.1)		
Ciclosporin <span style="background-color: orange; color: white; padding: 2px;">Amber</span>	<span style="background-color: green; color: white; padding: 2px;">MMC</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
25mg, 50mg & 100mg caps; 100mg/1mL oral soln; Infusion (see also section 8.2.2)		
Methotrexate <span style="background-color: orange; color: white; padding: 2px;">Amber</span>	<span style="background-color: green; color: white; padding: 2px;">MMC</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
2.5mg tablets (see also sections 8.1.3 & 10.1.3)		
Pimecrolimus	<span style="background-color: green; color: white; padding: 2px;">MMC</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
1% cream		
Tacrolimus (specially made by SRFT) <span style="background-color: green; color: white; padding: 2px;">Green</span>	<span style="background-color: green; color: white; padding: 2px;">MMC</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">emc</span>	<b>RESTRICTED</b> Dermatology Consultants only
0.03%; 0.1% ointment		

<b>Cytokine Modulators</b>		NICE TA419
		NICE TA433
		NICE TA455
		NICE TA511
		NICE TA521
Adalimumab injection (see also section 10.1.3)	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants only
Brodalumab 140mg/mL injection	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants only in line with NICE
Certolizumab 200mg injection (see also section 10.1.3)	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants only in line with NICE
Etanercept injection (see also section 10.1.3)	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants only
Guselkumab 100mg/mL injection	PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants only in line with NICE
Infliximab 100mg injection (see section 10.1.3)	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants only
Ixekizumab 80mg/1mL injection	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants in line with NICE
Ustekinumab injection (see section 10.1.3)	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology NICE TA180 & 455 / Gastro 3 <sup>rd</sup> line Crohn's
Secukinumab 150mg/1mL injection	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Consultants only in line with NICE
Apremilast 10mg; 20mg; 30mg tablets	Red PbR X NICE MMC BNF emc	<b>RESTRICTED</b> Dermatology Consultants in line with NICE

13.6 Acne & Rosacea		GMMMG
13.6.1 Topical preparations for acne		NICE CKS: Acne
<b>For mild to moderate acne, use topical benzyl peroxide or a topical retinoid 1<sup>st</sup> line. Topical antibiotic should be reserved for patients who have not responded to other topical preparations.</b>		
<b>Benzyl peroxide &amp; azelaic acid</b>		
Benzoyl Peroxide 4% cream; 5% gel	  	1 <sup>st</sup> line
Azelaic acid (Skinoren®) 20% cream	  	2 <sup>nd</sup> line
<b>Topical antibacterials for acne</b>		
Clindamycin (Dalacin T®) 1% topical lotion	  	2 <sup>nd</sup> / 3 <sup>rd</sup> line
Erythromycin (Zineryt®) 40mg/mL erythromycin; zinc acetate 12mg/mL lotion	  	2 <sup>nd</sup> / 3 <sup>rd</sup> line
<b>Topical retinoids &amp; related preparations for acne</b>		
Adapalene (Differin®) 0.1% cream; 0.1% gel	  	1 <sup>st</sup> line
<b>Topical retinoids with antibacterial</b>		
Isotretinoin with Erythromycin (Isotrexin®) isotretinoin 500micrograms/1g; erythromycin 20mg/1g gel	  	<b>RESTRICTED Dermatology Consultants only</b>
13.6.2 Oral preparations for acne		NICE CKS: Acne
<b>Oral antibiotics should be reserved for moderate to severe acne or where topical preparations have failed. Please refer to chapter 5.</b>		
Lymecycline 408mg capsules (see also section 5.1.3)	 <b>MMC</b>  	<b>RESTRICTED GP referral only</b>
<b>Hormone treatment for acne</b>		
Co-cyprindiol Cyproterone acetate 2mg / ethinylestradiol 35micrograms tablets	  	<b>RESTRICTED GP referral only</b>
<b>Oral retinoid for acne</b>		
Isotretinoin <b>Red</b> (due to safety concerns in pregnancy) 5mg; 10mg; 20mg; 40mg capsules	  	<b>RESTRICTED Dermatology Consultants only</b>



## 13.7 Preparations for warts & calluses



### 13.7 Preparations for warts & calluses

Salicylic acid

ointment; liquid



Silver Nitrate

pencil



**RESTRICTED** Dermatology  
Consultants only

#### Anogenital warts

Podophyllotoxin

0.15% cream



**1<sup>st</sup> line**










Imiquimod
















5% cream

**MMC**






































**RESTRICTED** GUM Consultant only

<b>13.8 Sunscreens &amp; camouflagers</b>		
<b>13.8.1 Sunscreen preparations</b>		
<b>Photodamage</b>		
Methyl-5-Aminolevulinate 160mg/g cream	<b>MMC</b>  	<b>RESTRICTED</b> Dermatology Consultants & Vulval Intraepithelial Neoplasia (VIN) only
Diclofenac Sodium (Solaraze®) 3% gel	 	<b>RESTRICTED</b> Dermatology Consultants
Fluorouracil / salicylic acid (Actikerall®) 0.5% / 10% cutaneous solution	<b>MMC</b>  	<b>RESTRICTED</b> Dermatology Consultants moderately thick hyperkeratotic AK (grade I/II)
Ingenol Mebutate (Picato®) 150 micrograms/g gel (face & scalp); 500 micrograms/g gel (trunk & extremities)	<b>MMC</b>  	<b>RESTRICTED</b> Dermatology Consultants for recommendation to GP's / not stocked

13.9 Shampoos & other preparations for scalp / hair conditions		GMMMG
<b>Shampoos</b>		
Ketoconazole (Nizoral®) 2% shampoo	  	<b>RESTRICTED</b> persistent / severe seborrhoeic dermatitis / dandruff
Capasal® coal tar 1%, coconut oil 1% &, salicylic acid 0.5% shampoo	  	<b>RESTRICTED</b> Dermatology Consultants only
Cetrimide with Undecenoic acid (Ceanel Concentrate®) cetrimide 10%, undecenoic acid 1% & phenylethyl alcohol 7.5% shampoo	  	<b>RESTRICTED</b> Dermatology Consultants only
<b>Other scalp preparations</b>		
Polytar® 40mg/mL coal tar scalp shampoo	  	
<b>Hirsutism</b>		
Eflornithine (Vaniqa®) 11.5% cream	  	<b>RESTRICTED</b> Dermatology Consultants only

13.10 Anti-infective skin preparations		GMMMG
<b>13.10.1 Antibacterial preparations</b>		
<b>Topical antibacterials should generally be avoided for the treatment of infections</b>		
<b>13.10.1.1 Antibacterial preparations only used topically</b>		
Mupirocin 2% cream; ointment	 	
Fusidic acid 2% cream; ointment	 	<b>RESTRICTED</b> superficial impetigo
Metronidazole 0.75% topical gel; cream	 	<b>RESTRICTED</b> topical treatment of rosacea
Silver Sulfadiazine 1% w/w cream	 	<b>RESTRICTED</b> Treatment & prophylaxis of infected burns
<b>13.10.2 Antifungal preparations</b>		
Amorolfine 5% nail lacquer	<b>MMC</b>  	<b>1<sup>st</sup> line</b> antifungal for finger & toenail infections
Benzoic acid ointment, compound, BP benzoic acid 6%, salicylic acid 3%, in emulsifying ointment	 	<b>1<sup>st</sup> line</b> treatment of ringworm
Clotrimazole 1% cream	 	<b>1<sup>st</sup> line</b> fungal skin infections
Miconazole 2% cream	 	<b>2<sup>nd</sup> line</b> fungal skin infections
Terbinafine 1% cream	 	<b>2<sup>nd</sup> line</b> fungal skin infections
<b>13.10.3 Antiviral preparations</b>		
Aciclovir 5% cream	 	<b>1<sup>st</sup> line</b>
<b>13.10.4 Parasitocidal preparations</b>		
		<b>NICE CKS: Head lice</b>
		<b>NICE CKS: Pubic lice</b>
		<b>NICE CKS: Scabies</b>
		<a href="#">Head lice guidelines</a>
		<a href="#">Body &amp; pubic lice guidelines</a>
Malathion 0.5% aqueous solution	 	
Permethrin 1% crème rinse; 5% dermal cream	 	
<b>13.10.5 Preparations for minor cuts &amp; abrasions</b>		
Proflavine cream, BPC 0.1% cream	 	
Brulidine 0.15% w/w cream		<b>RESTRICTED</b> Theatres only
<b>Preparations for boils</b>		
Magnesium Sulfate paste, BP		
<b>Skin tissue adhesive</b>		
Histoacryl® 0.5mL skin adhesive	 	<b>RESTRICTED</b> Theatres only

<b>13.11 Skin cleansers, antiseptics &amp; desloughing agents</b>		
<b>13.11.1 Alcohols &amp; saline</b>		
Isopropyl Alcohol 70%	  	
Sodium Chloride 0.9% irrigation solution	  	
<b>13.11.2 Chlorhexidine salts</b>		
Chlorhexidine Gluconate	  	
<b>13.11.4 Iodine</b>		
Alcoholic Iodine solution BP	  	
Iodine weak solution	  	
Povidone-Iodine	  	
<b>13.11.6 Oxidisers &amp; dyes</b>		
Hydrogen Peroxide solution, BP 3% solution; 6% solution	  	<b>RESTRICTED Specialist use only</b>
Potassium Permanganate	  	<b>RESTRICTED Specialist use only</b>
<b>13.11.7 Desloughing agents</b>		
<b>CONTACT THE TISSUE VIABILITY TEAM on x64042</b>		

<b>13.12 Antiperspirants</b>		
<b>Aluminium salts</b>		
Aluminium Chloride Hexahydrate 20% solution	  	
<b>Glycopyrronium Bromide</b>		
Glycopyrronium Bromide (Robinul®)	 <b>MMC</b>  	
Glycopyrrolate 0.5% cream	 <b>MMC</b>  	<b>RESTRICTED</b> Diabetes Consultants only for gustatory sweating

## 13.13 Topical circulatory preparations

### *Topical circulatory preparations*

Hirudoid®


0.3% cream; 0.3% gel



13.14 Miscellaneous preparations			
8-Methoxypsoralen 10mg tablets	MMC	emc	<b>RESTRICTED</b> Dermatology Consultants only
Fumaric Acid Esters (Fumaderm®) tablets	MMC	emc	<b>RESTRICTED</b> Dermatology Consultants only
Glucarpidase (Voraxaze®) 1,000 unit injection	<b>U</b> PbR X MMC	emc	2 <sup>nd</sup> line rescue therapy in patients with delayed methotrexate excretion
Hyaluronic acid / Lidocaine (Juvederm® / Belotero®)	<b>U</b> MMC	emc	<b>RESTRICTED</b> (unlicensed) vocal cord paralysis



## 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 (Rh<sub>0</sub>) immunoglobulin

## Trust Guidelines

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

## NICE Guidance

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

## GMMMG Formulary

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

## Other Links

National Immunoglobulin Database  
DH: Clinical guidelines for immunoglobulin use (2<sup>nd</sup> 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)*

Pediacel®

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®



Haemophilus Influenzae B & Meningitis C vaccine

Menitorix®



### *Hepatitis A vaccine*

Hepatitis A vaccine single component

Havrix Monodose®; Havrix Junior Monodose®; Vaqta® Paediatric



### *Hepatitis B vaccine*

Hepatitis B single component

Engerix B®; Engerix B® Paediatric



Hepatitis B single component

HBvaxPRO®; HBvaxPRO® Paediatric



### *Human papilloma virus (HPV) vaccine*

Human Papilloma Virus (HPV) quadrivalent vaccine

Gardasil®



**RESTRICTED to Consultant Paediatric Immunologist**

### *Influenza vaccine*

Influenza vaccine

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

14.5 Immunoglobulins		
<b>14.5.1 Normal immunoglobulin</b>	<b>Red</b> (for ITP & home treatment programmes)	
<b>For intramuscular use</b>		
Normal Immunoglobulin injection	  	<b>RESTRICTED Specialist use only</b>
<b>For subcutaneous use</b>		
Normal Immunoglobulin injection	 <b>MMC</b>  	<b>RESTRICTED Specialist use only</b>
<b>For intravenous use</b>		
Human normal Immunoglobulin	 <b>MMC</b>  	<b>RESTRICTED Specialist use only</b>
<b>14.5.2 Disease-specific immunoglobulins</b>		
<b>Hepatitis B immunoglobulin</b>		
Hepatitis B Immunoglobulin	 	<b>RESTRICTED Not Stocked</b>
<b>Tetanus immunoglobulin</b>		
Tetanus Immunoglobulin	 	
<b>Varicella-Zoster immunoglobulin</b>		
Varicella-Zoster Immunoglobulin	<b>Green</b>  	<b>RESTRICTED Not Stocked</b>
<b>Cytomegalovirus (CMV) immunoglobulin</b>		
Human normal Immunoglobulin (CMV)	<b>MMC</b>  	<b>RESTRICTED Specialist use only</b>
<b>14.5.3 Anti-D (Rh0) immunoglobulin</b>		<b>NICE TA156</b>
Anti-D (Rh <sub>0</sub> ) Immunoglobulin	  	

## Section 15: Anaesthesia

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

### 15.1 General anaesthesia

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

### 15.2 Local anaesthesia

- Local Anaesthetic Toxicity
- Other agents

## Trust Guidelines

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

## NICE Guidance

Sedation in children and young people (CG112)

## GMMMG Formulary

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

## 15.1 General anaesthesia

### 15.1.1 Intravenous anaesthetics

Etomidate

Ketamine Amber (Palliative Care) Red (chronic pain)

Propofol



Thiopental Sodium



### 15.1.2 Inhalational anaesthetics

#### Volatile liquid anaesthetics

Isoflurane



Sevoflurane



Desflurane

**RESTRICTED Theatres only**

#### Nitrous oxide

Nitrous Oxide



Nitrous Oxide 50% &amp; Oxygen 50%

Entonox®



### 15.1.3 Antimuscarinic drugs

Atropine Sulfate

adults 600microgram/1mL I.M. or I.V.



Glycopyrronium Bromide

adults 200-400microgram I.V.



Hyoscine Hydrobromide

400microgram/mL injection



### 15.1.4 Sedative & analgesic post-operative drugs

**NICE CG112**

#### 15.1.4.1 Benzodiazepines

Diazepam

see also sections 4.1.2 &amp; 4.8.2



Lorazepam

see also sections 4.1.2 &amp; 4.8.2



Midazolam

Green buccal

see also section 4.8.2



Temazepam

see also section 4.1.1



#### 15.1.4.2 Non-opioid analgesics

Ketorolac Trometamol

I.M. or I.V. injection




















































































Parecoxib





























I.M. or I.V. injection

**RESTRICTED Theatres only - acute postoperative pain**



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

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

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