

	<b>BNF Chapter</b>
Section 1:	Gastro-Intestinal System
Section 2:	Cardiovascular System
Section 3:	Respiratory System
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Section 5:	Infections
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**Version 10.13.1 (January 2026)**

**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.

1<sup>st</sup> 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.



## GMMM Red/Amber/Green classifications



### RED

Drugs 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 or specialist service. This may include arranging for supply via a home care company.

### AMBER

Drugs suitable for shared care arrangements under a shared care protocol.

Prescribing and monitoring responsibilities may be transferred from specialist teams to primary care prescribers in line with a shared care protocol. Shared care arrangements will usually be supported by a GMMM shared care protocol (SCP).

[See here for a list of GMMM approved SCPs.](#)

### GREEN

Drugs that are suitable for initiation and ongoing prescribing within primary care.

#### SA

Green following specialist advice. Drugs that are suitable for initiation by primary care following written or verbal advice from a specialist service. Little or no monitoring is required.

#### SI

Green following specialist initiation. Drugs that are suitable for ongoing prescribing within primary care following initiation by a specialist service. Little or no monitoring is required.

### (DNP)

Products which are not recommended for prescribing in any setting. "Do Not Prescribe" status may relate to a specific medicine, or to prescribing for a particular indication. This is in addition to all medicines with a "not NHS" or "Drugs of Low Clinical Value" classification in the BNF, and those medicines with a NICE "Do not do" recommendation.

**Criteria for inclusion on DNP/grey lists:**

Criterion 1: Products of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness or there are significant safety concerns.

Criterion 2: Products which are clinically effective but where more cost-effective products are available, including products that have been subject to excessive price inflation.

Criterion 3: Products which are clinically effective but, due to the nature of the product or condition being treated, are deemed a low priority for NHS funding.

### GREY

Products which are not suitable for routine prescribing but suitable for exceptional use in a defined patient population. Prescribers should ensure that more suitable alternatives have been considered and ruled out as not being appropriate before recommending or prescribing a medicine with a GREY list status. In these cases a RAG of RED, AMBER or GREEN will also be assigned to clarify in which care setting prescribing responsibility lies.

**Criteria for inclusion on DNP/grey lists:**

Criterion 1: Products of low clinical effectiveness, where there is a lack of robust evidence of clinical effectiveness or there are significant safety concerns.

Criterion 2: Products which are clinically effective but where more cost-effective products are available, including products that have been subject to excessive price inflation.

Criterion 3: Products which are clinically effective but, due to the nature of the product or condition being treated, are deemed a low priority for NHS funding.

### OTC

In line with NHS England guidance, GM do not routinely support prescribing for conditions which are self-limiting or amenable to self-care.



Unlicensed indications are automatically classified as red unless designated otherwise on the list below. If a medicine is unlicensed this should be annotated as follows: *drug name* 

## Formulary symbols

	Medicines Management Committee decisions
	Electronic medicines compendium (SmPC & PIL)
	British National Formulary (BNF)
	British National Formulary for Children (BNFC)
	NICE guidance
	NHS Payment Scheme (NHSPS) excluded medicine (previously known as PbR excluded)
	Controlled Drug
	Unlicensed medicine
	High cost medicine
	Blueteq enabled forms
	MedTeq Enabled Forms
	Not routinely stocked, can be ordered if existing patient supply is exhausted

## PCT Guidelines

Greater Manchester Medicines Management Group FORMULARY   
GMMMG Adult Red/Amber/Green; DNP and Grey Drug List  
GMMMG Paediatric Red/Amber/Green; DNP and Grey Drug List  
GMMMG Approved Shared Care Protocols

## 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)  
Commission on Human Medicines (CHM)  
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)  
Scottish Medicines Consortium (SMC)  
Specialist Pharmacist Service (SPS)

# Section 1: Gastro-Intestinal system

Supported by the  
formulary (click here)



## 1.1 Dyspepsia & gastro-oesophageal reflux disease

1.1.1 Antacids & Simeticone

1.1.2 Compound Alginates & Proprietary Indigestion Preparations

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

Antimuscarinics

Other Antispasmodics

Motility Stimulants

## 1.3 Antisecretory drugs & mucosal protectants

1.3.1 H<sub>2</sub>-Receptor Antagonists

1.3.3 Chelates & Complexes

1.3.5 Proton Pump Inhibitors

## 1.4 Acute diarrhoea

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## 1.5 Chronic bowel disorders

1.5.1 Aminosalicylates

1.5.2 Corticosteroids & Enemas

1.5.3 Drugs Affecting the Immune Response

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## 1.6 Laxatives

1.6.1 Bulk-forming Laxatives

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1.6.5 Bowel Cleansing Preparation

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## 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

### Non-Formulary Items

## Trust Guidelines

GASTRO / ENDOSCOPY - medicine & prescribing policies / guidelines (MFT Policy Hub)

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)

PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)

NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)

[Non-formulary Conversion Table](#)

## NICE Guidance

Biosimilar Medicines (KTT15)

Faecal Incontinence (CG49)

Irritable Bowel Syndrome (CG61)

Diarrhoea and vomiting in children under 5 (CG84)

Constipation in children and young people (CG99)

Acute upper GI bleeding (CG141)

Dyspepsia and gastro-oesophageal reflux disease (CG184)

Coeliac disease: recognition, assessment and management (NG20)

Crohn's disease: management (NG129)

Ulcerative colitis: management (NG130)

Ulcerative colitis (acute exacerbations) - infliximab (TA163)

Crohn's disease - infliximab & adalimumab (TA187)

Constipation (women) - prucalopride (TA211)

Infliximab, adalimumab & golimumab for treating moderately to severely active ulcerative colitis (TA329)

Vedolizumab for treating moderately to severely active ulcerative colitis (TA342)

Naloxegol for treating opioid induced constipation (TA345)

Vedolizumab for treating moderately to severely active Crohn's disease after prior therapy (TA352)

Obeticholic acid for treating primary biliary cholangitis (TA443)

Ustekinumab for moderately to severely active Crohn's disease after previous treatment (TA456)

Tofacitinib for moderately to severely active ulcerative colitis (TA547)

Darvadstrocel for treating complex perianal fistulas in Crohn's disease (TA556)

Ustekinumab for treating moderately to severely active ulcerative colitis (TA633)

Naldemedine for treating opioid-induced constipation (TA651)

Budesonide orodispersible tablet for inducing remission of eosinophilic oesophagitis (TA708)

Filgotinib for treating moderately to severely active ulcerative colitis (TA792)

Teduglutide for treating short bowel syndrome (TA804)

Ozanimod for treating moderately to severely active ulcerative colitis (TA828)

Upadacitinib for treating moderately to severely active ulcerative colitis (TA856)

Risankizumab for previously treated moderately to severely active Crohn's disease (TA888)

Upadacitinib for previously treated moderately to severely active Crohn's disease (TA905)

Mirikizumab for treating moderately to severely active ulcerative colitis (TA925)

Etrasimod for treating moderately to severely active ulcerative colitis in people aged 16 and over (TA956)

Risankizumab for treating moderately to severely active ulcerative colitis (TA998)

Elafibranor for previously treated primary biliary cholangitis (TA1016)

Mirikizumab for treating moderately to severely active Crohn's disease (TA1080)

Guselkumab for treating moderately to severely active ulcerative colitis (TA1094)

Guselkumab for previously treated moderately to severely active Crohn's disease (TA1095)

## GMMMG Formulary

Formulary Homepage

Chapter 1: Gastro-Intestinal system

GMMMG Adult [Red/Amber/Green](#); DNP and Grey Drug List

GMMMG Paediatric [Red/Amber/Green](#); DNP and Grey Drug List

# 1.1 Dyspepsia & gastro-oesophageal reflux disease



## 1.1.1 Antacids & Simeticone

### Aluminium & Magnesium Containing Antacids

#### Co-magaldrox

GREEN

195/220 suspension<sup>SF</sup>



1<sup>st</sup> line use

#### Magnesium trisilicate

suspension



### Simeticone alone (activated dimeticone)

#### Simeticone

(DNP)

Infacol® 40mg/mL liquid



### 1.1.2 Compound Alginates & Proprietary Indigestion Preparations

#### Alginate raft-forming oral suspensions<sup>SF</sup>

GREEN

suspension



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



### Antimuscarinics

#### Hyoscine butylbromide

GREEN

tablets; injection



MHRA Drug Safety Update (Feb-17): Hyoscine butylbromide (Buscopan) injection: risk of serious adverse effects in patients with underlying cardiac disease

#### Glycopyrronium bromide (Glycopyrrolate)

SI

(Robinul®, Sialanar®) tablets; injection; oral solution; cream



### Other Antispasmodics

#### Mebeverine hydrochloride

GREEN

135mg tablets

1<sup>st</sup> line use

#### Peppermint oil

GREEN

capsules



#### Alverine citrate with simeticone

GREEN

SimAlvia® 60mg/300mg capsules



### Motility Stimulants

#### Metoclopramide

GREEN

10mg tablets (see also section 4.6)

1<sup>st</sup> line use

MHRA (Aug-13): Metoclopramide: risk of neurological adverse effects

#### Domperidone

GREEN

AMBER

RED

10mg tablets (see also section 4.6)

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

MHRA Drug Safety Update (Dec19): Domperidone for nausea and vomiting: lack of efficacy in children; reminder of contraindications in adults and adolescents

MHRA Drug Safety Update (Apr-16): Apomorphine with domperidone: minimising risk of cardiac side effects

MHRA Drug Safety Update (May-14): Domperidone: risks of cardiac side effects

# 1.3 Antisecretory drugs & mucosal protectants



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

### Famotidine

GREEN

20mg; 40mg tablets

MMC BNF emc

## 1.3.3 Chelates & Complexes

### Sucralfate

SI

1g tablets; oral suspension

MMC BNF emc

### Bismuth subsalicylate (*Pepto-Bismol*®)

262.5mg chewable tablets

MMC BNF emc

**RESTRICTED**  
Adults, H. Pylori eradication regime

## 1.3.5 Proton Pump Inhibitors

### Omeprazole

GREEN

10mg; 20mg; 40mg capsules; 40mg infusion

NICE BNF emc

### Lansoprazole

GREEN

15mg & 30mg capsules; 15mg & 30mg orodispersible tablets

NICE MMC BNF emc

**RESTRICTED**  
tablets - enteral feeding tubes /  
dysphagia

### Esomeprazole

40mg infusion; granules

MMC BNF emc

**RESTRICTED**  
PPI indicated / enteral route not  
available/appropriate

MHRA (Apr-10): Clopidogrel and proton pump inhibitors: interaction—updated advice

MHRA Drug Safety Update (Sep-15): Proton pump inhibitors: very low risk of subacute cutaneous lupus erythematosus

**Other PPIs are not available at this Trust**

# 1.4 Acute diarrhoea

(DNP)



## 1.4.2 Antimotility Drugs

### Loperamide hydrochloride

GREEN

2mg capsules; 1mg/5mL syrup<sup>SF</sup>

NICE BNF emc

1<sup>st</sup> line use

### Codeine phosphate

GREEN

15mg; 30mg & 60mg tablets

NICE BNF emc

**RESTRICTED**  
Adults - high output stomas

### Teduglutide

RED EF

Revestive® injection

PbRx NICE MMC BNF emc blueiq

**RESTRICTED** Gastro. Consultants  
only in line with NICE TA804

# 1.5 Chronic bowel disorders



## 1.5.1 Aminosalicylates

### Mesalazine

SA

tablets; M/R tablets; M/R granules; enema; foam enema; suppositories

PbR X

BNF emc

**PRESCRIBE BY BRAND NAME**

MHRA Drug Safety Update (Dec-25): Mesalazine and idiopathic intracranial hypertension

### Balsalazide sodium

750mg capsules

MMC BNF emc

## 1.5.2 Corticosteroids & Enemas

### Prednisolone

GREEN

5mg tablets

BNF emc

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

### Budesonide

SA

Budenofalk® 3mg capsules; 2mg rectal foam; 4mg suppositories

MMC BNF emc

**RESTRICTED**  
eosinophilic esophagitis

### Budesonide

SI

Jorveza® 1mg orodispersible tablets

NICE MMC BNF emc

**RESTRICTED**  
Adults - Gastro. Consultants only

### Budesonide

SA

3mg CR capsules

MMC BNF emc

### Hydrocortisone

foam enema

BNF emc

### Short chain fatty acid (SCFA) enema

U

Nutricol® / Prulab Pharma enema

MMC

**RESTRICTED**  
Adults - Gastro. Consultants only

## 1.5.3 Drugs Affecting the Immune Response

### Azathioprine

AMBER

tablets; oral solution (see also sections 8.2.1; 10.1.3 & 13.5.3)

PbR X

BNF emc

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

MHRA Drug Safety Update (May-25): Thiopurines and intrahepatic cholestasis of pregnancy

### Ciclosporin (oral and I.V. preparations)

AMBER

capsules; infusion; oral solution (see also section 8.2.2)

MMC BNF emc

### Mercaptopurine

AMBER

tablets; oral suspension (see also section 8.1.3)

PbR X

BNF emc

MHRA Drug Safety Update (May-25): Thiopurines and intrahepatic cholestasis of pregnancy

### Methotrexate (s/c and oral preparations)

RED AMBER

tablets; injection; oral solution (see also section 10.1.3)

MMC BNF emc

MHRA Drug Safety Update (Aug-23): Methotrexate: advise patients to take precautions in the sun to avoid photosensitivity reactions

MHRA Drug Safety Update (Sep-20): Methotrexate once-weekly: new measures to reduce risk of fatal overdose due to inadvertent daily instead of weekly dosing

### Tacrolimus (suppositories)

U

suppository

MMC

**RESTRICTED**  
Gastro. Consultants - proctitis

## Advanced therapies (biologic and targeted synthetic treatments)

### Adalimumab

RED ££

injection (see also sections 10.1.3, 11.4.2 & 13.5.3)

PbR X

NICE MMC BNF emc

**RESTRICTED** Gastro. Consultants for IBD as per NICE

MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors: risk of TB — screen all patients before starting treatment and monitor them closely

### Infliximab

RED ££

infusion (see also sections 10.1.3 & 13.5.3)

PbR X

NICE MMC BNF emc

**RESTRICTED** Gastro. Consultants for IBD as per NICE

MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors: risk of TB — screen all patients before starting treatment and monitor them closely

### Etrasimod

RED ££

Velsipity® tablets

PbR X

NICE MMC BNF emc

**RESTRICTED** Gastro. Consultants in line with NICE TA956

### Filgotinib

RED ££

Jyseleca® 100mg; 200mg tablets (see also section 10.1.3)

PbR X

NICE MMC BNF emc

**RESTRICTED** Gastro. Consultants for Ulcerative colitis as per NICE

MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections & increased mortality

### Golimumab

RED ££

injection (see also section 10.1.3)

PbR X

NICE MMC BNF emc

**RESTRICTED** Gastro. Consultants for IBD as per NICE

MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors: risk of TB — screen all patients before starting treatment and monitor them closely

<p><b>Guselkumab</b>                         100mg/mL injection (see also sections 10.1.3 and 13.5.3)      </p>	<p><b>RESTRICTED</b>                      in line with NICE</p>
<p><b>Mirikizumab</b>                         Omvoh® injection; infusion       </p>	<p><b>RESTRICTED</b> Gastro. Consultants in line with NICE TA925</p>
<p><b>Ozanimod</b>                         Zeposia® capsules       </p>	<p><b>RESTRICTED</b> Gastro. Consultants in line with NICE TA828</p>
<p><b>Risankizumab</b>                         Skyrizi® 75mg; 150mg injection (see also section 13.5.3)       </p>	<p><b>RESTRICTED</b>                      Specialist use only in line with NICE TA888 / TA998</p>
<p><b>Tofacitinib</b>                         tablets (see also section 10.1.3)       </p>	<p><b>RESTRICTED</b> Consultants only in line with NICE</p>
<p>MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections &amp; increased mortality                      MHRA Drug Safety Update (Oct-21): Tofacitinib (Xeljanz▼): new measures to minimise risk of major adverse cardiovascular events and malignancies                      MHRA Drug Safety Update (Mar-20): Tofacitinib (Xeljanz▼): new measures to minimise risk of VTE and of serious and fatal infections                      MHRA Drug Safety Update (May-19): Tofacitinib (Xeljanz▼): restriction of 10 mg twice-daily dose in patients at high risk of PE while safety review is ongoing</p>	
<p><b>Upadacitinib</b>                         MR tablet (see also sections 10.1.3 and 13.5.3)       </p>	<p><b>RESTRICTED</b> Consultants only in line with NICE TA856 / TA905</p>
<p>MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections &amp; increased mortality</p>	
<p><b>Ustekinumab</b>                         Stelara® injection (see also sections 10.1.3 &amp; 13.5.3)       </p>	<p><b>RESTRICTED</b> Gastro. Consultants as per NICE</p>
<p><b>Ustekinumab</b>                         Wezenla® injection (see also sections 10.1.3 &amp; 13.5.3)       </p>	<p><b>RESTRICTED</b> Gastro. Consultants as per NICE / NOT ulcerative colitis</p>
<p><b>Vedolizumab</b>                         infusion       </p>	<p><b>RESTRICTED</b> Gastro. Consultants for IBD as per NICE</p>
<p><b>ICAM-1 Inhibitor</b></p>	
<p><b>Alicaforsen</b>                       enema      </p>	<p><b>RESTRICTED</b>                      Gastro. Consultants only - pouchitis</p>

## 1.6 Laxatives



### 1.6.1 Bulk-forming Laxatives

#### Ispaghula husk

GREEN

3.5g sachets

1<sup>st</sup> line use

### 1.6.2 Stimulant Laxatives

#### Docusate sodium

GREEN

capsules; oral solution

1<sup>st</sup> line use

#### Senna

GREEN

tablets; oral solution

1<sup>st</sup> line use

MHRA Drug Safety Update (Aug-20): Stimulant laxatives (bisacodyl, senna and sennosides, sodium picosulfate) available OTC: new measures to support safe use

#### Bisacodyl

GREEN

tablets; suppositories



MHRA Drug Safety Update (Aug-20): Stimulant laxatives (bisacodyl, senna and sennosides, sodium picosulfate) available OTC: new measures to support safe use

#### Glycerol

GREEN

suppositories



#### Sodium picosulfate

oral solution



MHRA Drug Safety Update (Aug-20): Stimulant laxatives (bisacodyl, senna and sennosides, sodium picosulfate) available OTC: new measures to support safe use

#### Co-danthramer

GREEN

oral suspension



**RESTRICTED**  
Adults, Palliative Care only

#### Co-danthrusate

GREEN

oral suspension



**RESTRICTED**  
Adults, Palliative Care only

### 1.6.3 Faecal Softeners

#### Arachis oil

enema



### 1.6.4 Osmotic Laxatives

#### Lactulose

GREEN OTC

oral solution

1<sup>st</sup> line use

#### Macrogols (Polyethylene glycols)

GREEN OTC

sachets



2<sup>nd</sup> / 3<sup>rd</sup> line use Rehab patients /  
paediatrics

#### Phosphates (Rectal)

GREEN

128mL enema



#### Sodium citrate (Rectal)

GREEN

450mg micro-enema



### 1.6.5 Bowel Cleansing Preparations

NPSA RRR (Feb-09): Reducing risk of harm from oral bowel cleansing solutions

#### Sodium picosulfate with magnesium citrate

RED

Picolax® oral powder

1<sup>st</sup> line use

#### Macrogol 3350

RED

Plenvu® powder for oral solution (see also section 18.1.2)



1<sup>st</sup> line use  
oral bowel preparation

#### Macrogol 3350

RED

Moviprep® powder for oral solution



**RESTRICTED**  
patients intolerant or allergic to Plenvu®

#### Sodium dihydrogen phosphate dihydrate with disodium phosphate dodecahydrate

RED

Phospho-soda® 24.4g/10.8g oral solution



**RESTRICTED**  
Colon Capsule Endoscopy (CCE)

**1.6.6 Peripheral opioid-receptor antagonists**

<b>Methylnaltrexone bromide</b> injection  	<b>RESTRICTED</b> Adults, Palliative Care only
<b>Naldemedine</b>  200 microgram tablets    	<b>RESTRICTED</b> Adults only in line with TA651
<b>Naloxegol</b>  12.5mg; 25mg tablets    	<b>RESTRICTED</b> Adults only in line with TA345
<b>1.6.7 Other drugs used in constipation</b>	
<b>Prucalopride</b>  1mg; 2mg tablets    	<b>RESTRICTED - Adult women, Gastro. Consultants only</b>
<b>Linaclootide</b>  290 micrograms capsules   	<b>RESTRICTED - 3<sup>rd</sup> line use Adults Gastro. Consultants only</b>

# 1.7 Local preparations for anal & rectal disorders



## 1.7.2 Compound Haemorrhoidal Preparations with Corticosteroids

**Anusol®**

GREEN OTC

ointment

BNF emc

**Proctosedyl®**

GREEN

ointment

BNF emc

**Scheriproct®**

GREEN

ointment; suppositories

BNF emc

## 1.7.4 Management of anal fissures

**Glyceryl trinitrate**

GREEN

1<sup>st</sup> line for anal fissure

*Rectogesic*® 0.4% ointment

MMC BNF emc

**Diltiazem hydrochloride** Ⓢ

SI

2% cream; ointment

BNF emc

# 1.9 Drugs affecting intestinal secretions



## 1.9.1 Drugs affecting biliary composition & flow

### Ursodeoxycholic acid

SA

150mg tablets

MMC BNF emc

1<sup>st</sup> line use

### Obeticholic acid

RED Ef

Ocaliva® 5mg; 10mg tablets

PbR X NICE MMC BNF emc blueiq

**RESTRICTED** Hepatology  
Consultants only 2<sup>nd</sup> line per TA443

### Elafibranor

RED Ef

Iqirvo® 80mg tablets

PbR X NICE MMC BNF emc blueiq

**RESTRICTED** Hepatology  
Consultants only as per TA1016

## 1.9.2 Bile acid sequestrants

### Colestyramine

SA

powder 4g sachet (see also section 2.12)

BNF emc

1<sup>st</sup> line use

### Colesevelam hydrochloride

SA

625mg tablets (see also section 2.12)

MMC BNF emc

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

## 1.9.4 Pancreatin

### Pancreatin

SI

capsules

BNF emc

**NOT  
STOCKED**

# 1.10 Miscellaneous preparations



## Glucarpidase



Voraxaze® 1,000 unit injection ([see also sections 8.4, 10.4, 13.14 & 18.1.2](#))



**RESTRICTED**  
2<sup>nd</sup> line rescue therapy



## Non-Formulary Items



<b>Darvadstrocel</b> (DNP) <i>Alofisel</i> ® 5 million cells/mL injection   	<b>REJECTED</b> in line with NICE TA556 Criterion 1
<b>Diarrhoea (adults)</b> (DNP)	in line with GMMMG / NHSE
<b>Dicycloverine hydrochloride</b> (DNP)  	in line with GMMMG Criterion 2
<b>Haemorrhoids</b> (DNP)	in line with GMMMG / NHSE
<b>Indigestion and heartburn</b> (DNP)	in line with GMMMG / NHSE
<b>Infant colic</b> (DNP)	in line with GMMMG / NHSE
<b>Infrequent constipation (duration less than 2 weeks)</b> (DNP)	in line with GMMMG / NHSE
<b>IQoro</b> (DNP) Neuromuscular training device	in line with GMMMG Criterion 1
<b>Lactase drops</b> (DNP) e.g. <i>Colief</i> ®	in line with GMMMG Criterion 1
<b>Lubiprostone</b> capsules   	Discontinued Jan-19
<b>Macrogols</b> <i>Klean-Prep</i> ® oral powder   	Discontinued Apr-24
<b>OTC haemorrhoid preparations</b> (DNP)   	in line with GMMMG
<b>Racecadotril</b> (DNP) capsules; granules for oral suspension; tablets 	in line with GMMMG Criterion 1
<b>Ranitidine</b> 150mg; 150mg effervescent tablets; 300mg tablets  	Discontinued Nov-19 
<b>Rifaximin</b> (DNP) 200mg tablets ( <a href="#">see also section 5.1.7</a> )    	in line with GMMMG for Traveller's diarrhoea
<b>Stoma deodorant sprays</b> (DNP)	in line with GMMMG Criterion 3
<b>VSL#3® / Vivomixx®</b> food supplement (DNP)	in line with GMMMG Criterion 1

## 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

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- 2.2.2 Loop Diuretics
- 2.2.3 Potassium-sparing Diuretics & Aldosterone Antagonists
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### 2.3 Anti-arrhythmic drugs

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- 2.5.1 Vasodilator Antihypertensive Drugs
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### 2.6 Nitrates, calcium-channel blockers & other antianginals

- 2.6.1 Nitrates
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### 2.7 Sympathomimetics

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### 2.8 Anticoagulants & protamine

- 2.8.1 Parenteral Anticoagulants
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### 2.9 Antiplatelet drugs

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

- 2.10.2 Fibrinolytic Drugs

### 2.11 Antifibrinolytic drugs & haemostatics

### 2.12 Lipid-regulating drugs

### 2.13 Local sclerosants

### 2.14 Miscellaneous preparations

### Non-Formulary Items

## Trust Guidelines

CARDIOLOGY - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 CARDIAC SURGERY - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Prophylaxis against infective endocarditis (CG64)  
 Familial hypercholesterolaemia (CG71)  
 Chest pain of recent onset (CG95)  
 Stable angina (CG126)  
 Lipid modification: CV risk assessment and the modification of blood lipids for the 1ry & 2ry prevention of CVD (CG181)  
 Venous thromboembolism in over 16s: reducing the risk of hospital-acquired deep vein thrombosis or pulmonary embolism (NG89)  
 Chronic heart failure in adults: diagnosis and management (NG106)  
 Stroke and transient ischaemic attack in over 16s: diagnosis and initial management (NG128)  
 Hypertension in pregnancy: diagnosis and management (NG133)  
 Hypertension in adults: diagnosis and management (NG136)  
 Acute coronary syndromes (NG185)  
 Atrial fibrillation: diagnosis and management (NG196)  
 Volanesorsen for treating familial chylomicronaemia syndrome (HST13)  
 Acute coronary syndromes - glycoprotein IIb/IIIa inhibitors (review) (TA47)  
 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)  
 Acute coronary syndromes - ticagrelor (TA236)  
 Venous thromboembolism - apixaban (hip and knee surgery) (TA245)  
 Atrial fibrillation - dabigatran etexilate (TA249)  
 Atrial fibrillation (stroke prevention) - rivaroxaban (TA256)  
 Venous thromboembolism (treatment & long term 2ry prevention) - rivaroxaban (TA261)  
 Stroke (acute, ischaemic) - alteplase (TA264)  
 Chronic heart failure - ivabradine (TA267)  
 Stroke & systemic embolism (prevention, non-valvular atrial fibrillation) - apixaban (TA275)  
 Pulmonary embolism and recurrent venous thromboembolism - rivaroxaban (TA287)  
 Prasugrel with PCI for treating ACS (review of TA182) (TA317)  
 Dabigatran etexilate for the treatment and 2ry prevention of DVT and/or PE (TA327)  
 Rivaroxaban for preventing adverse outcomes after acute management of acute coronary syndrome (TA335)  
 Apixaban for the treatment and 2ry prevention of DVT and/or PE (TA341)  
 Edoxaban for treating and for preventing deep vein thrombosis and pulmonary embolism (TA354)  
 Edoxaban for preventing stroke and systemic embolism in people with non valvular atrial fibrillation (TA355)  
 Ezetimibe for treating primary heterozygous-familial and non-familial hypercholesterolaemia (TA385)  
 Sacubitril valsartan for treating symptomatic chronic heart failure with reduced ejection fraction (TA388)  
 Alirocumab for treating primary hypercholesterolaemia and mixed dyslipidaemia (TA393)  
 Evolocumab for treating primary hypercholesterolaemia and mixed dyslipidaemia (TA394)  
 Ticagrelor for preventing atherothrombotic events after myocardial infarction (TA420)  
 Rivaroxaban for preventing atherothrombotic events in people with coronary or peripheral artery disease (TA607)  
 Dapagliflozin for treating chronic heart failure with reduced ejection fraction (TA679)  
 Bempedoic acid with ezetimibe for treating primary hypercholesterolaemia or mixed dyslipidaemia (TA694)  
 andexanet alfa for reversing anticoagulation from apixaban or rivaroxaban (TA697)  
 Inclisiran for treating primary hypercholesterolaemia or mixed dyslipidaemia (TA733)  
 Mexiletine for treating the symptoms of myotonia in non-dystrophic myotonic disorders (TA748)  
 Empagliflozin for treating chronic heart failure with reduced ejection fraction (TA773)  
 Icosapent ethyl with statin therapy for reducing the risk of cardiovascular events in people with raised triglycerides (TA805)  
 Finerenone for treating chronic kidney disease in type 2 diabetes (TA877)  
 Dapagliflozin for treating chronic heart failure with preserved or mildly reduced ejection fraction (TA902)  
 Mavacamten for treating symptomatic obstructive hypertrophic cardiomyopathy (TA913)  
 Empagliflozin for treating chronic heart failure with preserved or mildly reduced ejection fraction (TA929)  
 Tenecteplase for treating acute ischaemic stroke (TA990)  
 Evinacumab for treating homozygous familial hypercholesterolaemia in people 12 years and over (TA1002)  
 Efanesoctocog alfa for treating and preventing bleeding episodes in haemophilia A in people 2 years and over (TA1051)  
 Marstacimab for treating severe haemophilia A or B in people 12 years and over without anti-factor antibodies (TA1073)

## GMMMG Formulary

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

## 2.1 Positive inotropic drugs



### 2.1.1 Cardiac Glycosides

#### Digoxin

GREEN

tablets; elixir; injection

1<sup>st</sup> line use

#### Digoxin-specific antibody fragments

RED

infusion (see also section 18.1.2)



### 2.1.2 Phosphodiesterase Inhibitors

#### Enoximone

RED

Perfan® 5mg/1mL injection



#### Milrinone

RED

Primacor® 10mg/10mL injection

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

#### Levosimendan

RED

Simdax® 12.5mg/5mL Injection



**RESTRICTED** adults.  
Cardiology ITU Consultant only

## 2.2 Diuretics



### 2.2.1 Thiazides & Related Diuretics

#### Bendroflumethiazide

GREEN

tablets

1<sup>st</sup> line use

#### Chlortalidone

tablets



#### Metolazone

SI

tablets

2<sup>nd</sup> line use with loop diuretic

MHRA Drug Safety Update (Jan-23): Xaquia (metolazone) 5mg tablets: exercise caution when switching patients between metolazone preparations

### 2.2.2 Loop Diuretics

#### Furosemide

GREEN

tablets; liquid; injection

1<sup>st</sup> line use

#### Bumetanide

GREEN

tablets; oral solution

2<sup>nd</sup> line use

### 2.2.3 Potassium-sparing Diuretics & Aldosterone Antagonists

#### Amiloride hydrochloride

GREEN

tablets; oral solution

1<sup>st</sup> line use

#### Spironolactone

GREEN

tablets

1<sup>st</sup> line use

MHRA Drug Safety Update (Feb-16): Spironolactone and renin-angiotensin system drugs in heart failure: risk of potentially fatal hyperkalaemia

#### Eplerenone

SI

tablets



**RESTRICTED** adults.  
Cardiology Consultant only

#### Finerenone

SA

Kerendia® tablets



**RESTRICTED** adults.  
Diabetes / Renal Consultant only

### 2.2.4 Potassium-sparing Diuretics with other Diuretics

#### Co-amilofruse

GREEN

tablets

1<sup>st</sup> line use

### 2.2.5 Osmotic Diuretics

#### Mannitol

infusion



## 2.3 Anti-arrhythmic drugs



### 2.3.2 Drugs for Arrhythmias

#### Adenosine

injection



#### Amiodarone hydrochloride

AMBER

tablets; injection



MHRA Drug Safety Update (Mar-22): Amiodarone (Cordarone X): reminder of risks of treatment and need for patient monitoring and supervision

#### Disopyramide

capsules; tablets



#### Flecainide acetate

SL Paeds RED then GREEN

tablets; injection



#### Lidocaine (lignocaine) hydrochloride

injection (see also section 15.2)



#### Mexiletine

RED

NaMuscla® 167mg capsules



**RESTRICTED**  
Neurology only

#### Mexiletine hydrochloride

RED

Mexitil® 50mg; 100mg; 200mg capsules



**RESTRICTED**  
Cardiology / Neurology only

#### Propafenone hydrochloride

tablets



#### Dronedarone

AMBER

tablets



**RESTRICTED** adults. Cardiology  
Consultant only, in line with TA197

MHRA Drug Safety Update (Oct-11): Dronedarone (Multaq▼): cardiovascular, hepatic and pulmonary adverse events – new restrictions and monitoring requirements

## 2.4 Beta-adrenoceptor blocking drugs



		NICE NG106
		NICE NG136
2.4 Beta-Adrenoceptor Blocking Drugs		NICE NG196
<b>Atenolol</b> <b>GREEN</b> tablets; liquid; injection		
<b>Bisoprolol fumarate</b> <b>GREEN</b> tablets	<b>MMC</b>	<b>RESTRICTED</b> adults. Cardiology Consultant only
<b>Carvedilol</b> <b>GREEN</b> tablets	<b>MMC</b>	<b>RESTRICTED</b> adults. Cardiology Consultant only <b>ALSO 2ND LINE FOR VARICEAL BLEED</b>
<b>Esmolol hydrochloride</b> injection		<b>RESTRICTED</b> <i>I.V.</i> only
<b>Etilefrine hydrochloride</b> Ⓢ tablets	<b>MMC</b>	<b>RESTRICTED</b> Haematology Consultants - SCD
<b>Labetalol hydrochloride</b> <b>GREEN</b> tablets; injection		<b>RESTRICTED</b> oral preps in pregnancy
<b>Metoprolol tartrate</b> tablets; injection		
<b>Nadolol</b> tablets	<b>MMC</b>	<b>RESTRICTED</b> paed. ventricular arrhythmias in long QT syndrome
<b>Nebivolol</b> tablets		
<b>Propranolol hydrochloride</b> <b>GREEN</b> tablets; capsules; oral solution; injection	<b>MMC</b>	<b>RESTRICTED</b> not in Cardiology
<b>Sotalol hydrochloride</b> tablets		

## 2.5 Hypertension & heart failure



		NICE NG106
		NICE NG136
		NICE NG196
2.5.1 Vasodilator Antihypertensive Drugs		NHSE PAH
<b>Hydralazine hydrochloride</b> <span style="background-color: green; color: white; padding: 2px;">SA</span> tablets; injection	 	1 <sup>st</sup> line use
<b>Minoxidil</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> tablets	 	
<b>Ambrisentan</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">EE</span> tablets	<span style="background-color: grey; color: white; padding: 2px;">PbR X</span> <span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED</b> PAH in line with NHSE 
<b>Bosentan</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">EE</span> tablets	<span style="background-color: grey; color: white; padding: 2px;">PbR X</span> <span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED</b> PAH in line with NHSE 
<b>Sildenafil</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">EE</span> Revatio® tablets; injection (see also section 7.4.5)	<span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED</b> PAH in line with NHSE 
MHRA Drug Safety Update (Nov-18): Sildenafil (Revatio and Viagra): reports of PPHN following in-utero exposure in a clinical trial on intrauterine growth restriction		
<b>Macitentan</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">EE</span> Opsumit® tablets	<span style="background-color: grey; color: white; padding: 2px;">PbR X</span> <span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED</b> PAH in line with NHSE 
<b>Tadalafil</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">EE</span> Adcirca® tablets (see also section 7.4.5)	<span style="background-color: grey; color: white; padding: 2px;">PbR X</span> <span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED</b> PAH in line with NHSE 
2.5.2 Centrally Acting Antihypertensive Drugs		
<b>Clonidine hydrochloride</b> tablets; oral solution; injection; patches	<span style="background-color: green; color: white; padding: 2px;">MMC</span> 	
<b>Methyldopa</b> <span style="background-color: green; color: white; padding: 2px;">SA</span> tablets	 	
<b>Moxonidine</b> <span style="background-color: green; color: white; padding: 2px;">SI</span> tablets	<span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED 3<sup>rd</sup> line use</b> after other treatments fail
2.5.4 Alpha-Adrenoceptor Blocking Drugs		
<b>Doxazosin</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> 1mg; 2mg & 4mg tablets	 	1 <sup>st</sup> line use
<b>Phenoxybenzamine hydrochloride</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> 10mg capsules	 	<b>RESTRICTED adults.</b> Specialist initiation only
<b>Phentolamine mesilate</b> <span style="color: red;">Ⓢ</span> <span style="background-color: red; color: white; padding: 2px;">RED</span> injection	 	<b>RESTRICTED adults.</b> Specialist use, theatres only
2.5.5 Drugs Affecting the Renin-Angiotensin System		
<b>Sparsentan</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> Filspari® tablets	<span style="background-color: green; color: white; padding: 2px;">MMC</span> 	<b>RESTRICTED adults.</b> Specialist use only IgA nephropathy

**2.5.5.1 Angiotensin-Converting Enzyme (ACE) Inhibitors**

MHRA Drug Safety Update (Feb-16): Spironolactone and renin-angiotensin system drugs in heart failure: risk of potentially fatal hyperkalaemia

<b>Ramipril</b> GREEN		
1.25mg; 2.5mg; 5mg & 10mg capsules	BNF emc	
<b>Captopril</b>		<b>RESTRICTED</b> Paediatrics only
12.5mg; 25mg & 50mg tablets	BNF emc	
<b>Enalapril maleate</b> RED		<b>RESTRICTED</b> Paediatric cardiology only
Aqumeldi® 0.25mg; 1mg orodispersible tablets	MMC BNF emc	
<b>Lisinopril</b> GREEN		<b>1<sup>st</sup> line use</b>
2.5mg; 5mg; 10mg & 20mg tablets	MMC BNF emc	GMMMG
<b>Perindopril erbumine</b> (DNP)		
2mg; 4mg & 8mg tablets	MMC BNF emc	

**2.5.5.2 Angiotensin-II Receptor Antagonists**

MHRA Drug Safety Update (Feb-16): Spironolactone and renin-angiotensin system drugs in heart failure: risk of potentially fatal hyperkalaemia

<b>Candesartan cilexetil</b> GREEN		<b>1<sup>st</sup> line use</b> hypertension
2mg; 4mg; 8mg; 16mg & 32mg tablets	MMC BNF emc	GMMMG
<b>Losartan potassium</b> GREEN		<b>2<sup>nd</sup> line use</b> hypertension
12.5mg; 25mg; 50mg & 100mg tablets	BNF emc	
<b>Irbesartan</b> GREEN		<b>2<sup>nd</sup> line use</b> hypertension
75mg; 150mg & 300mg tablets	MMC BNF emc	
<b>Valsartan</b> GREEN		<b>2<sup>nd</sup> line use</b> hypertension
40mg; 80mg & 160mg capsules	MMC BNF emc	
<b>Sacubitril / Valsartan</b> SI		<b>RESTRICTED</b> use in line with NICE TA388
Entresto® 24mg / 26mg; 49mg / 51mg & 97mg / 103mg tablets	NICE MMC BNF emc	

**2.5.5.3 Renin inhibitors**

<b>Aliskiren</b> (DNP)		<b>RESTRICTED</b> adults. Specialist initiation only
150mg; 300mg tablets	MMC BNF emc	

MHRA Drug Safety Update (Mar-12): Aliskiren (Rasilez ▼): risk of cardiovascular and renal adverse reactions

**2.5.5.4 Heart Failure**

<b>Dapagliflozin</b> SA		<b>RESTRICTED</b> adults. Specialist initiation in line with TA679
Forxiga® tablets	NICE MMC BNF emc	
<b>Empagliflozin</b> SA		<b>RESTRICTED</b> adults. Specialist initiation in line with TA773
Jardiance® tablets	NICE MMC BNF emc	

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



### 2.6.1 Nitrates

**Glyceryl trinitrate**

GREEN

S/L tablets; S/L spray; patches; injection; ointment (see also section 18.1.1)



**Isosorbide mononitrate**

GREEN

tablets; capsules



### 2.6.2 Calcium-channel Blockers

**Amlodipine**

GREEN

tablets; oral solution



1<sup>st</sup> choice dihydropyridine



**Diltiazem hydrochloride**

GREEN

tablets; capsules; ointment



1<sup>st</sup> choice  
non-dihydropyridine  
**PRESCRIBE BY BRAND NAME**

**Nifedipine**

tablets; capsules; oral drops



2<sup>nd</sup> choice  
dihydropyridine  
**PRESCRIBE BY BRAND NAME**

**Verapamil hydrochloride**

GREEN

tablets; injection; oral solution



2<sup>nd</sup> choice  
non-dihydropyridine

**Nimodipine**

tablets; infusion



**RESTRICTED** subarachnoid  
haemorrhage / I.V. then oral

### 2.6.3 Other Antianginal Drugs

**Nicorandil**

GREEN

tablets



1<sup>st</sup> line use

MHRA Drug Safety Update (Jan-16): Nicorandil (Ikorel): now 2nd-line treatment for angina - risk of ulcer complications

**Ivabradine**

SL

tablets



**RESTRICTED** 2<sup>nd</sup> line  
Cardiology Consultant only

MHRA Drug Safety Update (Dec-14): Ivabradine (Procoralan) in the symptomatic treatment of angina: risk of cardiac side effects

**Ranolazine**

SA

M/R tablets



**RESTRICTED** adults 3<sup>rd</sup> line angina  
patients not suitable for surgery

### 2.6.4 Peripheral Vasodilators & Related Drugs

**Naftidrofuryl oxalate**

SA

capsules



**Defibrotide**

RED

infusion



**RESTRICTED** Specialist use only in  
line with NHSE



## 2.7 Sympathomimetics



### 2.7.1 Inotropic Sympathomimetics

#### Dobutamine

infusion (see also section 18.1.1)



**RESTRICTED / V.**  
Specialist use only

#### Dopamine hydrochloride

infusion (see also section 18.1.1)



**RESTRICTED / V.**  
Specialist use only

#### Dopexamine

infusion



**RESTRICTED / V.**  
Specialist use only

#### Isoprenaline hydrochloride

injection (see also section 18.1.1)



**RESTRICTED / V.**  
Specialist use only

### 2.7.2 Vasoconstrictor Sympathomimetics

#### Adrenaline acid tartrate

1 in 1000 (0.1%w/v) cutaneous solution)



**Specialist use endoscopic sinus surgery**

#### Ephedrine hydrochloride

injection



**RESTRICTED / V.**  
Specialist use only

#### Metaraminol

injection



#### Midodrine

tablets



**Specialist use Cardiology / Healthcare of the elderly**

#### Noradrenaline acid tartrate

infusion



**RESTRICTED / V.**  
Specialist use only

#### Phenylephrine hydrochloride

injection



**RESTRICTED / V.**  
Specialist use only

### 2.7.3 Cardiopulmonary Resuscitation

#### Adrenaline / Epinephrine

**GREEN**

injection



## 2.8 Anticoagulants & protamine



2.8.1 Parenteral Anticoagulants		NICE NG89
<b>ACD-A Anticoagulant Citrate Dextrose</b>		<b>RESTRICTED</b> Specialist use only CRRT
solution	MMC BNF emc	
<b>Dalteparin sodium</b> SA SI RED		1 <sup>st</sup> line LMWH
injection	MMC BNF emc	
<b>Epoprostenol</b> RED		<b>RESTRICTED</b> / V. Specialist use only
infusion	PbR X BNF emc	
MHRA Drug Safety Update (Dec-14): Veletri (epoprostenol) powder for solution for infusion: incompatibilities with some models of administration devices		
<b>Heparin</b> RED		
injection; infusion	BNF emc	
<b>Bivalirudin</b> RED		<b>RESTRICTED</b> adults. Cardiac Catheter Lab only.
infusion	NICE MMC BNF emc	
<b>Fondaparinux sodium</b> SA SI RED		<b>RESTRICTED</b> adults. Haematology Consultants only.
injection	MMC BNF emc	
<b>Tinzaparin sodium</b> SA SI RED		<b>RESTRICTED</b> Obs & Gynae; ACS & VTE in Renal impairment only. Paeds: haemodialysis
injection	MMC BNF emc	
<b>Enoxaparin sodium</b> SA SI RED		<b>RESTRICTED</b> ACS & VTE in Renal impairment only.
injection	MMC BNF emc	
<b>Argatroban monohydrate</b> RED		<b>RESTRICTED</b> adults. Treatment of HIT
infusion	MMC BNF emc	
2.8.2 Oral Anticoagulants		
<b>Acenocoumarol</b> GREEN		<b>RESTRICTED</b> warfarin intolerant patients only.
tablets	BNF emc	
<b>Phenindione</b>		
tablets	BNF emc	
<b>Warfarin sodium</b> GREEN		
tablets	PbR X BNF emc	
MHRA Drug Safety Update (Jun-24): Warfarin: be alert to the risk of drug interactions with tramadol		
MHRA Drug Safety Update (Oct-20): Warfarin and other anticoagulants: monitoring of patients during the COVID-19 pandemic		
MHRA Drug Safety Update (Jan-17): Direct-acting antivirals to treat chronic hepatitis C: risk of interaction with vitamin K antagonists and changes in INR		
MHRA Drug Safety Update (Jul-16): Warfarin: reports of calciphylaxis		
<b>Apixaban</b> GREEN		<b>RESTRICTED</b> in line with NICE
tablets	PbR X NICE MMC BNF emc	
MHRA Drug Safety Update (May-23): Direct-acting oral anticoagulants (DOACs): paediatric formulations; reminder of dose adjustments in patients with renal impairment		
<b>Dabigatran etexilate</b> GREEN		<b>RESTRICTED</b> in line with NICE
capsules	PbR X NICE MMC BNF emc	
MHRA Drug Safety Update (May-23): Direct-acting oral anticoagulants (DOACs): paediatric formulations; reminder of dose adjustments in patients with renal impairment		
MHRA Drug Safety Update (Jul-12): Dabigatran (Pradaxa ▼): risk of serious haemorrhage		
<b>Edoxaban</b> GREEN		<b>RESTRICTED</b> in line with NICE
tablets	PbR X NICE MMC BNF emc	
MHRA Drug Safety Update (May-23): Direct-acting oral anticoagulants (DOACs): paediatric formulations; reminder of dose adjustments in patients with renal impairment		
<b>Rivaroxaban</b> SA GREEN		<b>RESTRICTED</b> in line with NICE
tablets	PbR X NICE MMC BNF emc	
MHRA Drug Safety Update (May-23): Direct-acting oral anticoagulants (DOACs): paediatric formulations; reminder of dose adjustments in patients with renal impairment		
MHRA Drug Safety Update (Jul-19): Rivaroxaban (Xarelto ▼): reminder that 15 mg and 20 mg tablets should be taken with food		
MHRA Drug Safety Update (Oct-18): Rivaroxaban (Xarelto ▼) after TAVR: increase in all-cause mortality, thromboembolic and bleeding events in a clinical trial		

<b>Antidotes</b>		
<p><b>Andexanet alfa</b>   </p> <p><i>Ondexxya</i>® infusion (see also section 18.1.2)</p>	   	<p><b>RESTRICTED</b> in line with NICE</p>
<p><b>Idarucizumab</b>   </p> <p><i>Praxbind</i>® infusion (see also section 18.1.2)</p>	  	<p><b>RESTRICTED</b> reversal of dabigatran in emergency surgery</p>
<b>2.8.3 Protamine Sulfate</b>		
<p><b>Protamine sulfate</b>  </p> <p>injection (see also section 18.1.2)</p>	 	

## 2.9 Antiplatelet drugs



NICE NG185

<b>Aspirin</b> <b>GREEN</b> tablets (dispersible & E/C); suppositories  	
<b>Clopidogrel</b> <b>GREEN</b> 75mg tablets MHRA Drug Safety Update (Dec-13): Clopidogrel: risk of acquired haemophilia MHRA Drug Safety Update (Apr-10): Clopidogrel and proton pump inhibitors: interaction—updated advice     	
<b>Ticagrelor</b> <b>SI</b> 60mg; 90mg tablets; orodispersible tablets    	
<b>Prasugrel</b> <b>SI</b> 5mg; 10mg tablets MHRA Drug Safety Update (Jan-14): Prasugrel (Efient): increased risk of bleeding MHRA Drug Safety Update (May-11): Prasugrel (Efient ▼): rare but serious hypersensitivity reactions     	<b>RESTRICTED</b> adults. Cardiac Catheter Lab as per NICE
<b>Dipyridamole</b> <b>GREEN</b> M/R capsules; oral suspension; tablets; injection    	2 <sup>RY</sup> prevention of stroke in patients already on aspirin
<b>Tirofiban</b> <b>RED</b> infusion    	<b>RESTRICTED</b> adults. Cardiac Catheter Lab only (1 <sup>st</sup> line)
<b>Eptifibatide</b> <b>RED</b> injection; infusion    	<b>RESTRICTED</b> adult patients admitted on this or tirofiban

## 2.10 Stable angina, ACS & fibrinolysis



- Stable angina (BNF treatment summary)
- Acute coronary syndromes (BNF treatment summary)
- Fibrinolytic Drugs (BNF treatment summary)

### 2.10.2 Fibrinolytic Drugs

NICE CG126  
NICE NG128

#### Tenecteplase

RED

injection

NICE MMC BNF emc

#### Streptokinase

RED

infusion

NICE BNF emc

#### Urokinase

RED

injection

MMC BNF emc

#### Alteplase

RED

injection; infusion

NICE MMC BNF emc

RESTRICTED

## 2.11 Antifibrinolytic drugs & haemostatics



### Antifibrinolytic Drugs & Haemostatics

<b>Etamsylate</b>		
tablets		
<b>Tranexamic acid</b> 		
injection; tablets		
<b>Aprotinin</b> 		<b>RESTRICTED</b>
infusion		
<b>Aminocaproic acid</b> 		<b>RESTRICTED</b>
sachets		
<b>Efanesoctocog alfa</b> 		<b>RESTRICTED</b> Haematology as per NICE TA1051
Altuvoct® injection		
<b>Emicizumab</b> 		<b>RESTRICTED</b> Haematology as per NHSE
Hemlibra® injection		
<b>Marstacimab</b> 		<b>RESTRICTED</b> Haematology as per NICE TA1073
Altuvoct® injection		
<b>Vonicog alfa</b> 		<b>RESTRICTED</b> Haematology as per NHSE
Veyvondi® injection		

## 2.12 Lipid-regulating drugs



Statins	
<p><b>Simvastatin</b> GREEN</p> <p>tablets</p> <p>PbR X NICE MMC BNF emc</p> <p>MHRA Drug Safety Update (Sep-23): Statins: very infrequent reports of myasthenia gravis</p>	
<p><b>Atorvastatin</b> (DNP)</p> <p>10mg; 20mg; 40mg &amp; 80mg tablets (30mg &amp; 60mg tablets) (DNP)</p> <p>PbR X NICE BNF emc</p> <p>MHRA Drug Safety Update (Sep-23): Statins: very infrequent reports of myasthenia gravis</p>	1 <sup>st</sup> line use
<p><b>Rosuvastatin</b> GREEN</p> <p>tablets</p> <p>PbR X NICE MMC BNF emc</p> <p>MHRA Drug Safety Update (Sep-23): Statins: very infrequent reports of myasthenia gravis</p>	RESTRICTED Not stocked
<p><b>Pravastatin sodium</b> GREEN</p> <p>tablets</p> <p>PbR X NICE BNF emc</p> <p>MHRA Drug Safety Update (Sep-23): Statins: very infrequent reports of myasthenia gravis</p>	RESTRICTED MCSH for cases with potential drug interactions
Bile Acid Sequestrants	
<p><b>Colestyramine</b> GREY SA</p> <p>sachets (see also section 1.9.2)</p> <p>BNF emc</p>	
<p><b>Colesevelam hydrochloride</b> GREY SA</p> <p>tablets (see also section 1.9.2)</p> <p>MMC BNF emc</p>	RESTRICTED adults. Gastro & Lipid Clinic Consultants only
Fibrates	
<p><b>Bezafibrate</b></p> <p>M/R tablets; tablets</p> <p>BNF emc</p>	1 <sup>st</sup> line use
<p><b>Fenofibrate</b> SA</p> <p>67mg / 200mg / 267mg capsules; 160mg tablets</p> <p>MMC BNF emc</p>	2 <sup>nd</sup> line use
Omega-3 fatty acid compounds	
<p><b>Omega-3-acid ethyl esters</b> GREY SI</p> <p>capsules</p> <p>PbR X MMC BNF emc</p> <p>MHRA Drug Safety Update (Jan-24): Omega-3-acid ethyl ester (1000mg caps): dose-dependent increased risk of AF in patients with established CV diseases or CV risk factors</p>	RESTRICTED Lipid Clinic Hypertriglyceridaemia
Ezetimibe	
<p><b>Ezetimibe</b> GREEN</p> <p>10mg tablets</p> <p>NICE MMC BNF emc</p>	RESTRICTED adults. Lipid Clinic Consultants only

Lipid-regulating drugs		
<b>Alirocumab</b> <b>RED</b> <i>Praluent</i> ® injection PbR X NICE MMC BNF emc		<b>RESTRICTED</b> adults. Lipid Clinic Consultants in line with TA393
<b>Bempedoic acid</b> (see also <i>Nustendi</i> ®) <b>GREEN</b> <i>Nilemdo</i> ® tablets PbR X NICE MMC BNF emc		<b>RESTRICTED</b> adults. Consultants in line with TA694
<b>Bempedoic acid with ezetimibe</b> (see also <i>Nilemdo</i> ®) <b>GREEN</b> <i>Nustendi</i> ® tablets PbR X NICE MMC BNF emc		<b>RESTRICTED</b> adults. Consultants in line with TA694
<b>Evinacumab</b> <b>RED</b> <i>Repatha</i> ® injection PbR X NICE MMC BNF emc	blueiq	<b>RESTRICTED</b> adults. Consultants in line with TA1002
<b>Evolocumab</b> <b>RED</b> <i>Repatha</i> ® injection PbR X NICE MMC BNF emc	blueiq	<b>RESTRICTED</b> . Lipid Clinic Consultants only for HoFH / & NICE TA394
<b>Icosapent ethyl</b> <b>SA</b> <i>Vazkepa</i> ® capsules PbR X NICE MMC BNF emc		<b>RESTRICTED</b> adults in line with NICE TA805
<b>Inclisiran</b> <b>GREEN</b> <i>Leqvio</i> ® injection PbR X NICE MMC BNF emc		<b>RESTRICTED</b> adults. Consultants in line with TA733 for Primary Care Referral
<b>Lomitapide</b> <b>RED</b> <b>££</b> <i>Lojuxta</i> ® capsules PbR X MMC BNF emc	blueiq	<b>RESTRICTED</b> adults. Lipid Clinic Consultants in line with NHSE
<b>Volanesorsen</b> <b>RED</b> <b>££</b> <i>Waylivra</i> ® injection PbR X NICE MMC BNF emc	blueiq	<b>RESTRICTED</b> adults. Lipid Clinic Consultants in line with HST13

## 2.13 Local sclerosants



### Local Sclerosants

**Ethanolamine oleate**

RED

injection

emc

**Sodium tetradecyl sulfate**

RED

injection

emc

## 2.14 Miscellaneous preparations



<p><b>Ajmaline</b> </p> <p><b>RED</b></p> <p><i>Gilurytmal</i>® 50mg/10mL injection</p> <p style="text-align: right;"><b>emc</b> </p>	<p><b>RESTRICTED</b> adults. Cardiology Consultant only</p>
<p><b>Dapagliflozin</b></p> <p><b>SA</b></p> <p>tablets</p> <p style="text-align: right;">PbR X <b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b> </p>	<p><b>RESTRICTED</b> in line with NICE TA679 / TA902</p>
<p>MHRA Drug Safety Update (Dec-21): Dapagliflozin (Forxiga): no longer authorised for treatment of type 1 diabetes mellitus</p>	
<p><b>Empagliflozin</b></p> <p><b>SA</b></p> <p>tablets</p> <p style="text-align: right;">PbR X <b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b> </p>	<p><b>RESTRICTED</b> in line with NICE TA929</p>
<p><b>Mavacamten</b></p> <p><b>RED</b> </p> <p><i>Camzyos</i>® capsules</p> <p style="text-align: right;">PbR X <b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b> <b>blueiq</b></p>	<p><b>RESTRICTED specialist use</b> in line with NICE TA913</p>
<p><b>Regadenoson</b> </p> <p><b>RED</b></p> <p><i>Rapiscan</i>® 400micrograms/5mL injection</p> <p style="text-align: right;"><b>MMC</b> <b>emc</b> </p>	<p><b>RESTRICTED</b> adults. Myocardial perfusion scans</p>

## Non-Formulary Items



<b>Atorvastatin</b> (DNP) 30mg; 60mg tablets PbR X NICE BNF emc	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Cilostazol</b> (DNP) Pletal® 50mg; 100mg tablets NICE MMC BNF emc	<b>REJECTED in line with NICE TA223</b> <b>GMMMG Criterion 2</b>
<b>Diuretics with potassium</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Doxazosin</b> (DNP) M/R tablets / 8mg immediate release tablets MMC BNF emc	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Inositol nicotinate</b> (DNP) Hexopal® tablets NICE MMC BNF emc	<b>REJECTED in line with NICE TA223</b> <b>GMMMG Criterion 2</b>
<b>Moxisylyte</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Pentoxifylline</b> (DNP) Trental® tablets NICE MMC BNF emc	<b>REJECTED in line with NICE TA223</b> <b>GMMMG Criterion 2</b>
<b>Perindopril arginine</b> (DNP) 2.5mg; 5mg & 10mg tablets NICE BNF emc	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>RESPeRATE</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Simvastatin with ezetimibe</b> (DNP) Inegy® 10mg/20mg; 10mg/40mg & 10mg/80mg tablets NICE MMC BNF emc	<b>in line with GMMMG</b> <b>Criterion 2</b>

## 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

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Idiopathic pulmonary fibrosis (CG163)  
 Chronic obstructive pulmonary disease in over 16s: diagnosis and management (NG115)  
 Asthma pathway (BTS, NICE, SIGN) (NG244)  
 Asthma: diagnosis, monitoring and chronic asthma management (BTS, NICE, SIGN) (NG245)  
 Venom anaphylaxis - immunotherapy pharmlagen (TA246)  
 Mannitol dry powder for inhalation for treating cystic fibrosis (TA266)  
 Asthma (severe, persistent, patients aged 6+, adults) - omalizumab (review of TA133, TA201) (TA278)  
 Omalizumab for previously treated chronic spontaneous urticaria (TA339)  
 Roflumilast for treating chronic obstructive pulmonary disease (replaces TA244) (TA461)  
 Reslizumab for treating severe eosinophilic asthma (TA479)  
 Pirfenidone for treating idiopathic pulmonary fibrosis (replaces TA282) (TA504)  
 Benralizumab for treating severe eosinophilic asthma (TA565)  
 Lanadelumab for preventing recurrent attacks of hereditary angioedema (TA606)  
 Mepolizumab for treating severe eosinophilic asthma (replacing TA431) (TA671)  
 Berotralstat for preventing recurrent attacks of hereditary angioedema (TA738)  
 Dupilumab for treating severe asthma with type 2 inflammation (TA751)  
 Palforzia for treating peanut allergy in children and young people (TA769)  
 Tezepelumab for treating severe asthma (TA880)  
 Ivacaftor–tezacaftor–elexacaftor, tezacaftor–ivacaftor and lumacaftor–ivacaftor for treating cystic fibrosis (TA988)  
 Vanzacaftor-tezacaftor-deutivacaftor for treating cystic fibrosis in people 6yr & over (TA1085)  
 Betula verrucosa for treating moderate to severe allergic rhinitis or conjunctivitis caused by tree pollen (TA1087)  
 Benralizumab for treating relapsing or refractory eosinophilic granulomatosis with polyangiitis (TA1096)  
 Garadacimab for preventing recurrent attacks of hereditary angioedema in people 12 years and over (TA1101)

## GMMMG Formulary

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

## 3.1 Bronchodilators



<i>Asthma (chronic)</i>	<i>Asthma (acute)</i>	
<b>Methacholine chloride</b>		<b>RESTRICTED detection test for bronchial airway hyperreactivity</b>
<i>Provocholine</i> nebuliser solution		MMC
<b>3.1.1 Adrenoceptor agonists</b>		
<b>3.1.1.1 Selective beta<sub>2</sub> agonists</b>		
<b>Salbutamol</b> (Dry Powder Inhaler (DPI) devices) 		
100micrograms/dose; 200micrograms/dose		
MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma		
<b>Salbutamol</b> (nebuliser solution) 		
2.5mg/2.5mL; 5mg/2.5mL nebuliser liquid unit dose ampoules		MMC
MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma		
<b>Salbutamol</b> (injection) 		
500 micrograms/1mL solution for injection ampoules; 5mg/5mL solution for intravenous infusion. (see also section 7.1.3)		MMC
MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma		
<b>Terbutaline sulfate</b> (Dry Powder Inhaler (DPI) devices) 		
500micrograms/dose		
MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma		
<b>Terbutaline sulfate</b> (nebuliser solution) 		
5mg/2mL nebuliser liquid unit dose vials		
MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma		
<b>Terbutaline sulfate</b> (injection) 		
500 micrograms/mL; 2.5mg/5mL solution for injection ampoules. (see also section 7.1.3)		
MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma		
<b>Salmeterol</b>		
<b>Formoterol fumarate</b> 		
		MMC
<b>3.1.1.2 Other Adrenoceptor Agonists</b>		
<b>Ephedrine hydrochloride</b>		
<b>3.1.2 Antimuscarinic Bronchodilators</b>		
<b>Ipratropium bromide</b> 		
<b>Tiotropium</b> 		
		MMC
MHRA Drug Safety Update (Feb-15): Tiotropium delivered via Respimat compared with Handihaler: no significant difference in mortality in TIOSPIR trial		
<b>Acclidinium bromide</b> 		
<i>Eklira Genuair</i>		MMC
<b>Glycopyrronium bromide</b> 		
<i>Seebri Breezhaler</i>		MMC
<b>Umeclidinium bromide</b> 		
<i>Incruse Ellipta</i>		MMC
<b>3.1.3 Theophylline</b>		
<b>Theophylline</b> 		
M/R tablets; M/R capsules		
<b>Aminophylline</b> 		
M/R tablets; injection		

3.1.4 Compound Bronchodilator Preparations		GMMMG
<b>Acclidinium bromide with formoterol fumarate dihydrate</b> <b>GREEN</b> Duaklir Genuair®	MMC BNF emc	3 <sup>rd</sup> line use COPD maintenance
<b>Glycopyrronium bromide with formoterol fumarate</b> <b>GREEN</b> Bevespi Aerosphere®	MMC BNF emc	3 <sup>rd</sup> line use COPD maintenance
<b>Glycopyrronium bromide with indacaterol maleate</b> <b>GREEN</b> Ultibro®	MMC BNF emc	3 <sup>rd</sup> line use COPD maintenance
<b>Ipratropium bromide with salbutamol</b> Combivent®	BNF emc	
<b>Tiotropium bromide monohydrate with olodaterol hydrochloride</b> <b>GREEN</b> Spiolto Respimat®	MMC BNF emc	3 <sup>rd</sup> line use COPD maintenance
<b>Umeclidinium bromide with vilanterol trifenate</b> <b>GREEN</b> Anoro Ellipta®	MMC BNF emc	3 <sup>rd</sup> line use COPD maintenance
3.1.5 Peak Flow Meters, Inhaler Devices & Nebulisers		GMMMG GMMMG GMMMG
<b>Inhaler Devices</b>		
<b>Volumatic® (spacer inhaler)</b> <b>GREEN</b> Large volume device with mouthpiece	NICE BNF emc	
<b>Aerochamber® Plus (spacer device)</b> <b>GREEN</b> Standard device with mouthpiece; Standard device with adult face mask	NICE BNF	
<b>Able Spacer® (spacer device)</b> <b>GREEN</b>	NICE MMC BNF	
<b>Nebuliser Diluent</b>		
<b>Sodium chloride</b> <b>GREEN</b> 0.9% nebuliser diluent	BNF emc	

### 3.2 Corticosteroids



<b>Corticosteroids</b>		NICE		GMMMG	
<p>MHRA Drug Safety Update (Jul-18): Pressurised metered dose inhalers (pMDI): risk of airway obstruction from aspiration of loose objects                      MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration</p>					
<p><b>Beclometasone dipropionate</b>                      GREEN</p> <p>MDI (<i>Clenil Modulite</i>® 50, 100, 200, 250)</p>					
<p><b>Beclometasone dipropionate (CFC-free)</b>                      GREEN</p> <p>MDI (<i>Qvar Easi-Breathe</i>® or <i>Qvar Autohaler</i>® 50, 100)</p>					<p><b>PRESCRIBE BY BRAND NAME</b></p>
<p><b>Budesonide</b>                      GREEN</p> <p>DPI (<i>Easyhaler</i>®; <i>Pulmicort</i>® <i>Turbohaler</i>® 100, 200, 400)                      500micrograms/2mL &amp; 1mg/2mL nebuliser liquid</p>					
<p><b>Fluticasone propionate</b></p> <p>MDI (<i>FlixotideEvohaler</i>®) 50, 125, 250;                      DPI (<i>FlixotideAccuhaler</i>® 50,100, 250, 500)</p>					
<b>Compound preparations</b>		NICE		GMMMG	
<p><b>Budesonide with formoterol fumarate</b>                      GREEN</p> <p>DPI (<i>Fobumix Easyhaler</i>® 80/4.5, 160/4.5, 320/9);                      DPI (<i>Symbicort Turbohaler</i>® 100/6, 200/6, 400/12);                      DPI (<i>Duoresp Spiromax</i>® 160/4.5, 320/9);                      DPI (<i>WockAIR</i>® 160/4.5, 320/9)</p>					<p>Asthma BTS step 3 management</p>
<p><b>Beclometasone dipropionate with formoterol fumarate</b>                      GREEN</p> <p>MDI (<i>Luforbec</i>®; <i>Fostair</i>®; 100/6, 200/6); DPI (<i>Fostair NEXThaler</i>® 100/6, 200/6)</p>					<p>Asthma BTS step 3 management</p>
<p><b>Fluticasone furoate with vilanterol trifrenatate</b>                      GREEN</p> <p>DPI (<i>Relvar Ellipta</i>® 92/22 asthma or COPD; 184/22 asthma)</p>					<p>Asthma BTS step 3 management</p>
<p><b>Fluticasone propionate with salmeterol</b></p> <p>MDI (<i>Sirdupla</i>® 125, 250)</p>					<p>Asthma BTS step 3 management</p>
<p><b>Fluticasone propionate with salmeterol</b></p> <p>MDI (<i>SeretideEvohaler</i>® 50, 125, 250)</p>					<p>Asthma BTS step 3 management</p>
<p><b>Fluticasone propionate with formoterol fumarate</b></p> <p>MDI (<i>Flutiform</i>® 50/5, 125/5, 250/10)</p>					<p>Asthma BTS step 3 management</p>
<p><b>Beclometasone dipropionate with formoterol fumarate &amp; glycopyrronium bromide</b>                      GREEN</p> <p>MDI (<i>Trimbow 87/5/9</i>® &amp; <i>172/5/9</i>®) DPI (<i>Trimbow NEXThaler 88/5/9</i>®)</p>					<p><b>RESTRICTED - COPD patients who require triple therapy</b></p>
<p><b>Fluticasone furoate with umeclidinium bromide &amp; vilanterol trifrenatate</b>                      GREEN</p> <p>DPI (<i>Trelegy Ellipta</i>® 92/55/22 micrograms)</p>					<p><b>RESTRICTED - COPD patients who require triple therapy</b></p>
<p><b>Formoterol fumarate with glycopyrronium bromide &amp; budesonide</b>                      GREEN</p> <p>DPI (<i>Trixeo Aerosphere</i>® 5/7.2/160 micrograms)</p>					<p><b>RESTRICTED - COPD patients who require triple therapy</b></p>
<p><b>Indacaterol with mometasone furoate</b>                      GREEN</p> <p>DPI (<i>Ateectura</i>® <i>Breezhaler</i>®)</p>					
<p><b>Mometasone furoate with glycopyrronium bromide &amp; indacaterol</b>                      GREEN</p> <p>DPI (<i>Enerzair</i>® <i>Breezhaler</i>®)</p>					
<p>MHRA Drug Safety Update (Jul-18): Pressurised metered dose inhalers (pMDI): risk of airway obstruction from aspiration of loose objects                      MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration</p>					

## 3.3 Cromoglicate & related therapy & leukotriene receptor antagonists



### 3.3.1 Cromoglicate & Related Therapy

Sodium cromoglicate



### 3.3.2 Leukotriene Receptor Antagonists

Montelukast

GREEN

tablets; chewable tablets; sachets



BTS step 2 or 3 in paediatrics

MHRA Drug Safety Update (Apr-24): Montelukast: reminder of the risk of neuropsychiatric reactions

MHRA Drug Safety Update (Sep-19): Montelukast (Singulair): reminder of the risk of neuropsychiatric reactions

### 3.3.3 Phosphodiesterase type-4 inhibitors

Roflumilast

SI

tablets



**RESTRICTED**  
as per NICE TA461

## 3.4 Antihistamines, hyposensitisation & allergic emergencies



### 3.4.1 Antihistamines

#### Non-sedating antihistamines

##### Cetirizine hydrochloride

GREEN OTC

tablets; oral solution

BNF emc

##### Loratadine

GREEN OTC

tablets; oral solution

BNF emc

##### Desloratadine

tablets; oral solution

MMC BNF emc

**RESTRICTED**  
children 1-2 years old

##### Fexofenadine hydrochloride

OTC

tablets

MMC BNF emc

#### Sedating antihistamines

##### Chlorphenamine maleate

GREEN OTC

tablets; oral solution; injection

MMC BNF emc

##### Cyprohepatadine hydrochloride

4mg tablets

MMC BNF emc

##### Hydroxyzine hydrochloride

GREEN

tablets; oral solution

BNF emc

MHRA Drug Safety Update (Apr-15): Hydroxyzine (Atarax, Ucerax): risk of QT interval prolongation and Torsade de Pointes

##### Promethazine hydrochloride

tablets; oral solution

MMC BNF emc

##### Alimemazine tartrate

(DNP)

tablets; oral solution

MMC BNF emc

### 3.4.2 Allergen Immunotherapy

##### Acarovac Plus®

3,000 units/mL injection

MMC

**RESTRICTED**  
Immunology Consultants only

##### Acaroid®

injection

MMC

**RESTRICTED**  
Immunology Consultants only

##### Allergoid immunotherapy tablets

Lofarma Lais®

MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

##### Bee venom extract

RED

injection

NICE BNF emc

**RESTRICTED**  
Immunology Consultants only

##### Grass & Rye or tree pollen extract

GREY RED

Pollinex®

MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

##### Grass pollen extract

(DNP)

Grazax® oral lyophilisates

NICE MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

##### House dust mite extract

RED

Acarizax 12-SQ HDM oral lyophilisates®

NICE MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

##### Peanut protein powder

GREY RED

Palforza® oral powder in capsules; sachet

NICE MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

##### Wasp venom extract

RED

injection

NICE MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

##### White birch (*Betula verrucosa*) tree pollen extract

RED

Itulazax 12-SQ Bet oral lyophilisates®

NICE MMC BNF emc

**RESTRICTED**  
Immunology Consultants only

<b>Omalizumab</b>		
<b>Omalizumab</b> RED (DNP) ££		<b>RESTRICTED</b> as per NICE / GMMMG
injection	PbR X NICE MMC BNF blueiteq emc	
<b>Anti-interleukin-5 (IL-5) antibody</b>		
<b>Benralizumab</b> RED ££		<b>RESTRICTED</b> as per NICE TA565 / TA1096
Fasenra® injection	PbR X NICE MMC BNF blueiteq emc	
<b>Dupilumab</b> RED (DNP) ££		<b>RESTRICTED</b> as per NICE TA751
Dupilumab® injection (see also section 13.5.3)	PbR X NICE MMC BNF blueiteq emc	
MHRA Drug Safety Update (Nov-22): Dupilumab (Dupixent ▼): risk of ocular adverse reactions and need for prompt management		
<b>Mepolizumab</b> RED ££		<b>RESTRICTED</b> as per NICE
Nucala® injection	PbR X NICE MMC BNF blueiteq emc	
<b>Reslizumab</b> RED ££		<b>RESTRICTED</b> as per NICE TA479
Cinqaero® infusion	PbR X NICE MMC BNF blueiteq emc	
<b>Tezepelumab</b> RED ££		<b>RESTRICTED</b> as per NICE TA880
Tezspire® injection	PbR X NICE MMC BNF blueiteq emc	
<b>3.4.3 Allergic Emergencies</b>		
<b>Adrenaline / epinephrine</b> GREEN		<b>PRESCRIBE BY BRAND NAME</b>
injection	BNF emc	
MHRA Drug Safety Update (Jun-23): Adrenaline auto-injectors (AAIs): new guidance and resources for safe use MHRA Drug Safety Update (Nov-21): Adrenaline auto-injectors: reminder for prescribers to support safe and effective use MHRA Drug Safety Update (Aug-17): Adrenaline auto-injectors: updated advice after European review		
<b>Adrenaline / epinephrine (nasal)</b> RED		<b>RESTRICTED</b> service evaluation use only type I allergic reactions
EURneffy® 2mg nasal spray, solution in single-dose container	MMC BNF emc	
<b>Bertralstat</b> RED ££		<b>RESTRICTED</b> specialist use only as per NICE TA738
Orladeyo® capsules	PbR X NICE MMC BNF emc	
<b>C1 esterase inhibitor</b> RED ££		<b>RESTRICTED</b> specialist use only
Beriner®; Cinryze® injection	PbR X MMC BNF blueiteq emc	NHS England
<b>Conestat alfa</b> RED ££		<b>RESTRICTED</b> acute attacks of HAE
Ruconest® injection	PbR X MMC BNF blueiteq emc	NHS England
<b>Garadacimab</b> RED ££		<b>RESTRICTED</b> acute attacks of HAE as per NICE TA1101
Andembry® injection	PbR X NICE MMC BNF emc	
<b>Icatibant</b> RED ££		<b>RESTRICTED</b> adults acute attacks of HAE
Firazyr® injection	PbR X MMC BNF blueiteq emc	NHS England
<b>Lanadelumab</b> RED ££		<b>RESTRICTED</b> in line with NICE TA606
Takhzyro® injection	PbR X NICE MMC BNF blueiteq emc	
<b>Oxandrolone</b> Ⓢ		<b>RESTRICTED</b> adults acute attacks of HAE
tablets	MMC emc	
<b>Sebetralstat</b> Ⓢ RED		<b>RESTRICTED</b> specialist use only in line with EAMS
300mg; 600mg tablets	MMC	

### 3.5 Respiratory stimulants & pulmonary surfactants



#### 3.5.1 Respiratory Stimulants

**Doxapram hydrochloride**

RED

injection (see also section 15.1.7)

BNF emc

**Caffeine citrate**

RED

injection

MMC BNF emc

**RESTRICTED**  
apnoea in premature babies

#### 3.5.2 Pulmonary Surfactants

**Poractant alfa**

RED



Curosurf® liquid

PbR X

BNF emc

## 3.6 Oxygen (refer to oxygen guidelines)



# 3.7 Mucolytics



Mucolytics		
<b>Acetylcysteine</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> effervescent tablets; injection; sachets	  	
<b>Carbocisteine</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> capsules; oral solution; sachets	  	<b>RESTRICTED</b> COPD Consultant / referral only
<b>Deutivacaftor with tezacaftor and vanzacaftor</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Alyftrek® tablets	    	<b>RESTRICTED</b> Specialist use only NICE TA1085 
<b>Ivacaftor</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Kalydeco® tablets; granules	    	<b>RESTRICTED</b> Paediatric Consultants only 
MHRA Drug Safety Update (Feb-22): Ivacaftor, tezacaftor, elexacaftor (Kaftrio ▼) in combination with ivacaftor (Kalydeco): risk of serious liver injury; updated advice on LFT		
<b>Ivacaftor with tezacaftor and elexacaftor</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Kaftrio® tablets	    	<b>RESTRICTED</b> Specialist use only 
MHRA Drug Safety Update (May-25): Kaftrio ▼ (Ivacaftor, tezacaftor, elexacaftor): risk of psychological side effects MHRA Drug Safety Update (Feb-22): Ivacaftor, tezacaftor, elexacaftor (Kaftrio ▼) in combination with ivacaftor (Kalydeco): risk of serious liver injury; updated advice on LFT		
<b>Lumacaftor with ivacaftor</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Orkambi® tablets; granules	    	<b>RESTRICTED</b> Specialist use only 
MHRA Drug Safety Update (Feb-22): Ivacaftor, tezacaftor, elexacaftor (Kaftrio ▼) in combination with ivacaftor (Kalydeco): risk of serious liver injury; updated advice on LFT		
<b>Tezacaftor with ivacaftor</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Symkevi® tablets	    	<b>RESTRICTED</b> Specialist use only 
MHRA Drug Safety Update (Feb-22): Ivacaftor, tezacaftor, elexacaftor (Kaftrio ▼) in combination with ivacaftor (Kalydeco): risk of serious liver injury; updated advice on LFT		
<b>Dornase alfa</b>		
<b>Dornase alfa</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Pulmozyme® nebulas	    	<b>RESTRICTED</b> Respiratory only
<b>Hypertonic sodium chloride</b>		
<b>Sodium chloride (hypertonic)</b> <span style="background-color: green; color: white; padding: 2px;">SA</span> Nebusal® 7% nebulas	 	
<b>Mannitol</b>		
<b>Mannitol inhalation powder</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> Bronchitol® capsules	    	<b>RESTRICTED</b> Respiratory only in line with NICE
<b>Mannitol diagnostic kit</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> Osmohale® capsules	   	<b>RESTRICTED</b> Respiratory only

## 3.8 Aromatic inhalations



### Aromatic Inhalations

#### Benzoin Tincture, Compound, BP

*Friars' Balsam liquid*



#### Menthol and Eucalyptus Inhalation, BP 1980

inhalation vapour



## 3.9 Cough preparations



### 3.9.1 Cough Suppressants

#### Codeine phosphate

oral solution



MHRA Drug Safety Update (Feb-24): Codeine linctus (codeine oral solutions): reclassification to prescription-only medicine

MHRA Drug Safety Update (Jul-23): Codeine linctus: public consultation on the proposal to reclassify to a prescription-only medicine

#### Dextromethorphan hydrobromide

oral solution



**RESTRICTED**  
non-ketotic hyperglycaemia

### Cough Suppressants (*Palliative Care ONLY*)

#### Methadone hydrochloride

liquid



#### Morphine hydrochloride

oral solution



### 3.9.2 Demulcent & expectorant cough preparations

#### Simple Linctus

liquid



## 3.10 Systemic nasal decongestants



### Systemic Nasal Decongestants

**NO DRUGS ARE RECOMMENDED FROM THIS GROUP**



**NHSE: OTC prescribing reduction**

MHRA Drug Safety Update (Feb-24): Pseudoephedrine: risk of posterior reversible encephalopathy syndrome (PRES) & reversible cerebral vasoconstriction syndrome (RCVS)

### 3.11 Antifibrotics



**Antifibrotics**

**Nintedanib esilate**



Ofev® capsules



**RESTRICTED** Respiratory  
Consultants only in line with NICE

**Pirfenidone**



capsules; tablets



**RESTRICTED**  
Respiratory Consultants only  
**NOT STOCKED**

MHRA Drug Safety Update (Nov-20): Pirfenidone (Esbriet): risk of serious liver injury; updated advice on liver function testing

Non-Formulary Items		GMMMG
<b>Cyprohepatadine hydrochloride</b>  2mg/5mL liquid MMC  		<b>REMOVED from formulary Jan-25</b>
<b>Insect bites and stings</b> (DNP)		<b>in line with GMMMG / NHSE</b>
<b>Mild to moderate hay fever / seasonal rhinitis</b> (DNP)		<b>in line with GMMMG / NHSE</b>
<b>Levocetirizine hydrochloride</b> (DNP) Xyzal® tablets  		<b>in line with GMMMG Criterion 2</b>
<b>Pholcodine</b> oral solution  		<b>Withdrawn from UK market as per MHRA alert March 2023</b>
MHRA Drug Safety Update (Mar-23): Pholcodine-containing cough and cold medicines: withdrawal from UK market as a precautionary measure		

## Chapter 4: Central nervous system

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



### 4.1 Hypnotics & anxiolytics

- 4.1.1 Hypnotics
- 4.1.2 Anxiolytics
- 4.1.3 Barbiturates
- 4.1.4 Other hypnotics and anxiolytics

### 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

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Obsessive compulsive disorder (OCD) & body dysmorphic disorder (BDD) (CG31)  
 Management of Obesity (CG43) (replaces TA22, TA31 & TA46)  
 Drug misuse: opioid detoxification (CG52)  
 Depression with a chronic physical health problem (CG91)  
 Sedation in under 19s: using sedation for diagnostic and therapeutic procedures (CG112)  
 Anxiety (CG113) (replaces CG22)  
 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)  
 Narcolepsy with or without cataplexy in adults: pitolisant (ES8)  
 Eating Disorders: recognition and treatment (NG69)  
 Parkinson's disease in adults (NG71)  
 Attention deficit hyperactivity disorder: diagnosis and management (NG87)  
 Stop smoking interventions and services (NG92)  
 Dementia: supporting people with dementia and their carers in health and social care (NG97)  
 Post-traumatic stress disorder (NG116)  
 Depression in children and young people: identification and management (NG134)  
 Epilepsies in children, young people and adults (NG217)  
 Depression in adults: treatment and management (NG222)  
 Motor Neurone Disease: Riluzole (TA20)  
 Guidance on the use of zaleplon, zolpidem & zopiclone for short-term management of insomnia (TA77)  
 Drug Misuse: Methadone & Buprenorphine (TA114)  
 Drug Misuse: Naltrexone (TA115)  
 Smoking Cessation: Varenicline (TA123)  
 Schizophrenia - aripiprazole (TA213)  
 Alzheimer's disease - donepezil, galantamine, rivastigmine & memantine (TA217) (replaces TA111)  
 Botulinum toxin type A for the prevention of headaches in adults with chronic migraine (TA260)  
 Bipolar disorder (children) - aripiprazole (TA292)  
 Nalmefene for reducing alcohol consumption in people with alcohol dependence (TA325)  
 Vortioxetine for treating major depressive episodes (TA367)  
 Xeomin (botulinum neurotoxin type A) for treating chronic sialorrhoea (TA605)  
 Cannabidiol with clobazam for treating seizures associated with Dravet syndrome (TA614)  
 Cannabidiol with clobazam for treating seizures associated with Lennox–Gastaut syndrome (TA615)  
 Galcanezumab for preventing migraine (TA659)  
 Cenobamate for treating focal onset seizures in epilepsy (TA753)  
 Solriamfetol for treating excessive daytime sleepiness caused by narcolepsy (TA758)  
 Fremanezumab for preventing migraine (replacing TA631) (TA764)  
 Fenfluramine for treating seizures associated with Dravet syndrome (TA808)  
 Vutrisiran for treating hereditary transthyretin-related amyloidosis (TA868)  
 Eptinezumab for preventing migraine (TA871)  
 Difelikefalin for treating pruritus in people having haemodialysis (TA890)  
 Rimegepant for preventing migraine (TA906)  
 Rimegepant for treating migraine (TA919)  
 Daridorexant for treating long-term insomnia (TA922)  
 Foslevodopa–foscarbidopa for treating advanced Parkinson's with motor symptoms (TA934)  
 Atogepant for preventing migraine (TA973)  
 Tafamidis for treating transthyretin amyloidosis with cardiomyopathy (TA984)  
 Eplontersen for treating hereditary transthyretin-related amyloidosis (TA1020)  
 Fenfluramine for treating seizures associated with Lennox–Gastaut syndrome in people 2 years and over (TA1050)  
 Vutrisiran for treating transthyretin amyloidosis with cardiomyopathy (TA1115)

## GMMMG Formulary

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

# 4.1 Hypnotics & anxiolytics



## 4.1.1 Hypnotics

NICE CG112

### Benzodiazepines

MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

#### Temazepam

GREEN

tablets; oral solution (see also section 15.1.4.1)



#### Nitrazepam

tablets; oral suspension



### Zaleplon, Zolpidem & Zopiclone

#### Zopiclone

GREEN

tablets



MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

### Chloral & Derivatives

#### Chloral hydrate

RED

oral solution; suppositories



MHRA Drug Safety Update (Oct-21): Chloral hydrate, cloral betaine (Welldorm): restriction of paediatric indication

#### Chloral hydrate

RED

500mg/5mL oral solution



**RESTRICTED**  
paediatric patients on ketogenic diets

MHRA Drug Safety Update (Oct-21): Chloral hydrate, cloral betaine (Welldorm): restriction of paediatric indication

#### Clomethiazole

192mg capsules



### Sodium oxybate

#### Sodium oxybate

GREY RED

oral solution



**RESTRICTED**  
2<sup>nd</sup> line narcolepsy with cataplexy

### Melatonin

#### Melatonin

capsules; tablets; oral solution



**RESTRICTED**



#### Melatonin (adults)

Tablets: 1mg, 2mg, 3mg, 4mg, 5mg (Adaflex®)  
Prolonged-release tablets: 2mg (prescribe generically)  
For REM sleep behaviour disorder in Parkinson's disease  
Do not prescribe for management of jet lag.

SA

(DNP)

#### Melatonin (children)

Tablets: 1mg, 2mg, 3mg, 4mg, 5mg (Adaflex®)  
Modified-release tablets: 1mg, 5mg (Slenyto®)  
Prolonged-release tablets: 2mg (prescribe generically)

AMBER

Doses greater than 6mg

1 mg/mL oral solution (Colonis brand licensed product). Should not be prescribed due to the propylene glycol content

RED

(DNP)

## 4.1.2 Anxiolytics

NICE CG113

### Benzodiazepines

#### Chlordiazepoxide hydrochloride

GREEN

capsules



**Symptomatic relief of acute alcohol withdrawal**

MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression

#### Diazepam

GREEN

tablets; liquid; injection; rectal tube (see also sections 4.8.2; 10.2.2 & 15.1.4.1)



MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression

#### Lorazepam

tablets; injection (see also section 4.8.2 & 15.1.4.1)



MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression

#### Oxazepam

tablets



MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression

<b>Buspirone</b>	
<b>Buspirone hydrochloride</b>	
tablets	<b>BNF</b> <b>emc</b>
<b>Others</b>	
<b>Pregabalin</b>	
<b>GREEN</b> 	<b>RESTRICTED</b> generalised anxiety disorder after standard treatment following NICE has failed.
capsules; oral solution	<b>MMC</b> <b>BNF</b> <b>emc</b>
MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs	
<b>4.1.3 Barbiturates</b>	
<b>NO DRUGS ARE RECOMMENDED FROM THIS GROUP</b>	
<b>4.1.4 Other hypnotics and anxiolytics</b>	
<b>Daridorexant hydrochloride</b>	
<b>GREEN</b>	<b>RESTRICTED</b> in line with NICE TA922 <b>NOT for initiation in 2<sup>ry</sup> care</b>
Quviviq® tablets	<b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b>

## 4.2 Drugs used in psychoses & related disorders



### 4.2.1 Antipsychotic Drugs

NICE CG178

MHRA Drug Safety Update (May-12): Antipsychotics: initiative to reduce prescribing to older people with dementia

#### Chlorpromazine hydrochloride

GREEN

tablets; oral solution; injection

MMC BNF emc

#### Haloperidol

GREEN (DNP)

tablets; capsules; oral solution (500microgram tablets see DNP)

BNF emc

MHRA Drug Safety Update (Dec-21): Haloperidol (Haldol): reminder of risks when used in elderly patients for the acute treatment of delirium

#### Levomepromazine

GREEN (DNP)

6.25mg, 25mg tablets; oral solution; injection (6mg tablets see DNP)

MMC BNF emc

#### Promazine hydrochloride

tablets; oral solution

BNF emc

#### Sulpiride

tablets; oral solution

BNF emc

#### Trifluoperazine

tablets; oral solution

BNF emc

#### Zuclopenthixol

tablets

BNF emc

### Atypical Antipsychotic Drugs

#### Amisulpride

AMBER RED

tablets; oral solution

MMC BNF emc

**RESTRICTED** adults.  
Consultant Psychiatrist only

#### Aripiprazole

AMBER RED

tablets; oral solution

NICE MMC BNF emc

**RESTRICTED** paediatrics.  
Consultant Psychiatrist only

MHRA Drug Safety Update (Dec-23): Aripiprazole (Ablify and generic brands): risk of pathological gambling

#### Clozapine

RED

tablets

BNF emc

MHRA Drug Safety Update (Aug-20): Clozapine and other antipsychotics: monitoring blood concentrations for toxicity

MHRA Drug Safety Update (Oct-17): Clozapine: reminder of potentially fatal risk of intestinal obstruction, faecal impaction, and paralytic ileus

#### Olanzapine

AMBER RED

tablets; orodispersible tablets; oral solution (see also section 18.1.2)

MMC BNF emc

CCLG

**RESTRICTED** - Consultant initiation -  
schizophrenia patients

AMBER RED  
tablets; M/R tablets

MMC BNF emc

#### Risperidone

AMBER RED

tablets; orodispersible tablets; oral solution

BNF emc

### 4.2.2 Antipsychotic Depot Injections

#### Flupentixol decanoate

AMBER

injection

BNF emc

**RESTRICTED**  
Consultant Psychiatrist only

#### Fluphenazine decanoate

injection

BNF emc

**RESTRICTED**  
Consultant Psychiatrist only

#### Haloperidol decanoate

AMBER

injection

BNF emc

**RESTRICTED**  
Consultant Psychiatrist only

MHRA Drug Safety Update (Dec-21): Haloperidol (Haldol): reminder of risks when used in elderly patients for the acute treatment of delirium

#### Risperidone

AMBER RED

injection

BNF emc

**RESTRICTED**  
Consultant Psychiatrist only

#### Zuclopenthixol decanoate

RED

injection

BNF emc

**RESTRICTED**  
Consultant Psychiatrist only

**4.2.3 Drugs used for mania and hypomania****Lithium carbonate**

AMBER RED

tablets; M/R tablets

**PRESCRIBE BY BRAND NAME****Lithium citrate**

AMBER RED

oral solution

**PRESCRIBE BY BRAND NAME****Valproic acid**

SI

Gastro-resistant tablets



MHRA Drug Safety Update (Apr-19): Valproate medicines and serious harms in pregnancy: new Annual Risk Acknowledgement Form and clinical guidance

MHRA Drug Safety Update (May-10): Carbapenems: concomitant use with valproic acid not recommended

## 4.3 Antidepressant drugs



		NICE CG31
		NICE CG91
4.3.1 Tricyclic & Related Antidepressant Drugs		NICE NG134
Tricyclic antidepressants		NICE NG222
<b>Amitriptyline hydrochloride</b> (standard release preparations only) <b>GREEN</b>		
tablets; oral solution (see also section 7.4.2)		
<b>Clomipramine hydrochloride</b> (standard release preparations only) <b>GREEN</b>		
capsules		
<b>Doxepin hydrochloride</b>		
capsules		
<b>Imipramine hydrochloride</b>		
tablets		
<b>Lofepramine</b> <b>GREEN</b>		<b>1<sup>st</sup> line use</b>
tablets; oral suspension		
<b>Nortriptyline</b> <b>GREEN</b>		
tablets  neuropathic pain		
<b>Tricyclic-related antidepressants</b>		
<b>Mianserin hydrochloride</b>		<b>RESTRICTED</b> initiation by Psychiatrist
tablets		
<b>Trazodone hydrochloride</b> <b>GREEN</b>		<b>RESTRICTED</b> initiation by Psychiatrist
capsules; tablets; oral solution		
<b>4.3.2 Monoamine-Oxidase Inhibitors (MAOIs)</b>		
<b>Isocarboxazid</b> <b>RED</b>		<b>RESTRICTED</b> initiation by Psychiatrist
tablets		
<b>Phenelzine</b> <b>RED</b>		<b>RESTRICTED</b> initiation by Psychiatrist
15mg tablets		
<b>Tranlycypromine</b> <b>RED</b>		<b>RESTRICTED</b> initiation by Psychiatrist
10mg tablets		
<b>Reversible Monoamine-Oxidase Inhibitors (MAOIs)</b>		
<b>Moclobemide</b> <b>SI</b>		<b>RESTRICTED 2<sup>nd</sup> line</b> initiation by Psychiatrist
150mg; 300mg tablets		
<b>4.3.3 Selective Serotonin Re-uptake Inhibitors (SSRIs)</b>		
MHRA Drug Safety Update (Jan-21): SSRI/SNRI antidepressant medicines: small increased risk of postpartum haemorrhage when used in the month before delivery		
<b>Fluoxetine</b> <b>GREEN</b>		
capsules; tablets; dispersible tablets; oral solution		
<b>Citalopram</b> <b>GREEN</b>		
tablets; oral drops		
MHRA Drug Safety Update (Jul-16): Citalopram: suspected drug interaction with cocaine; prescribers should consider enquiring about illicit drug use		
MHRA Drug Safety Update (Dec-11): Citalopram and escitalopram: QT interval prolongation		
<b>Sertraline</b> <b>GREEN</b>		
tablets; oral suspension		
<b>Fluvoxamine maleate</b>		
tablets		
<b>Paroxetine</b>		
tablets; oral suspension		
<b>Escitalopram</b>		<b>RESTRICTED</b> Mental Health Trust initiation only
tablets		
MHRA Drug Safety Update (Dec-11): Citalopram and escitalopram: QT interval prolongation		

**4.3.4 Other Antidepressant Drugs**

<b>Venlafaxine</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> <span style="background-color: green; color: white; padding: 2px;">SI</span> M/R capsules; tablets; M/R tablets	  	<b>RESTRICTED</b> initiation by Psychiatrist
<b>Mirtazapine</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> tablets; orodisperible tablets; oral solution	  	
<b>Duloxetine</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> gastro-resistant tablets	 	<b>RESTRICTED</b> initiation by Psychiatrist
<b>Flupentixol</b> tablets	 	<b>RESTRICTED</b> initiation by Psychiatrist
<b>Reboxetine</b> tablets	  	<b>RESTRICTED</b> initiation by Psychiatrist
<b>Tryptophan</b> capsules	 	<b>RESTRICTED</b> initiation by Psychiatrist
<b>Vortioxetine</b> <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">SA</span> tablets	   	<b>RESTRICTED</b> initiation by Psychiatrist

4.4 CNS stimulants & drugs used for ADHD		GMMMG
4.4 CNS stimulants & drugs used for ADHD		NICE NG87
<p><b>Atomoxetine</b></p> <p>AMBER</p> <p>capsules</p> <p>NICE MMC BNF emc</p> <p>MHRA Drug Safety Update (Jan-12): Atomoxetine (Strattera ▼): increases in blood pressure and heart rate                      MHRA Drug Safety Update (Mar-09): Atomoxetine: risk of psychotic or manic symptoms in children and adolescents</p>		<p><b>RESTRICTED</b></p> <p>on Paediatric / Psychiatric advice</p>
<p><b>Dexamfetamine</b></p> <p>AMBER</p> <p>tablets</p> <p>NICE MMC BNF emc</p>		<p><b>RESTRICTED</b></p> <p>on Paediatric / Psychiatric advice</p>
<p><b>Guanfacine</b></p> <p>AMBER</p> <p>Prolonged release tablets</p> <p>NICE MMC BNF emc</p>		<p><b>RESTRICTED</b></p> <p>2<sup>nd</sup> line use for ADHD</p>
<p><b>Lisdexamfetamine</b></p> <p>AMBER</p> <p>capsules</p> <p>NICE MMC BNF emc GMMMG</p>		<p><b>RESTRICTED</b></p> <p>2<sup>nd</sup> line use for ADHD</p>
<p><b>Methylphenidate</b></p> <p>AMBER</p> <p>tablets; M/R tablets; capsules; M/R capsules</p> <p>NICE MMC BNF emc</p> <p>MHRA Drug Safety Update (Sep-22): Methylphenidate long-acting (MR) preparations: caution if switching between products due to differences in formulations                      MHRA Drug Safety Update (Mar-09): Methylphenidate: safe and effective use to treat ADHD</p>		<p><b>RESTRICTED</b></p> <p>on Paediatric / Psychiatric advice</p> <p><b>PRESCRIBE BY BRAND NAME</b></p>
<p><b>Modafinil</b></p> <p>SI (DNP)</p> <p>tablets</p> <p>BNF emc</p> <p>MHRA Drug Safety Update (Nov-20): Modafinil (Provigil): increased risk of congenital malformations if used during pregnancy                      MHRA Drug Safety Update (Mar-11): Modafinil (Provigil): now restricted to narcolepsy</p>		<p><b>RESTRICTED</b></p> <p>on Paediatric / Psychiatric advice</p>
<p><b>Pitolisant hydrochloride</b></p> <p>RED (DNP) Ee</p> <p>Wakix® tablets</p> <p>NICE MMC BNF emc MedTeq</p>		<p><b>RESTRICTED</b></p> <p>Sleep Centre only in line with NICE</p>
<p><b>Solriamfetol hydrochloride</b></p> <p>RED (DNP) Ee</p> <p>Sunosi® tablets</p> <p>NICE MMC BNF emc</p>		<p><b>RESTRICTED</b></p> <p>Sleep Centre only in line with NICE</p>

## 4.5 Drugs used in the treatment of obesity



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

**NICE CG43**

**Orlistat**

**GREEN**

capsules



**RESTRICTED**  
Consultant initiation - Paeds. only

MHRA Drug Safety Update (Mar-14): Orlistat: theoretical interaction with antiretroviral HIV medicines

## 4.6 Drugs used in nausea &amp; vertigo

**Antihistamines****Cyclizine**

GREEN

tablets; injection  children


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

tablets; oral solution (see also section 3.4.1)



**Promethazine teoclate**

tablets



**Phenothiazines & Related Drugs****Prochlorperazine**

GREEN

tablets; buccal tablet; injection



**Droperidol**

injection




**RESTRICTED**  
Consultant initiation only for PONV**Domperidone & Metoclopramide****Domperidone**

GREEN

tablets; oral suspension (see also section 1.2)




MHRA Drug Safety Update (Dec-19): Domperidone for nausea and vomiting: lack of efficacy in children; reminder of contraindications in adults and adolescents

MHRA Drug Safety Update (Apr-16): Apomorphine with domperidone: minimising risk of cardiac side effects

MHRA Drug Safety Update (May-14): Domperidone: risks of cardiac side effects

**Metoclopramide hydrochloride**

GREEN

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




MHRA Drug Safety Update (Aug-13): Metoclopramide: risk of neurological adverse effects

**5HT<sub>3</sub>-receptor antagonists****Ondansetron**

RED

SA

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



**RESTRICTED - Chemotherapy**  
induced & post-op vomiting**Palonosetron hydrochloride**

RED

250 microgram solution for injection




**RESTRICTED - Chemotherapy**  
induced & post-op vomiting

MHRA Drug Safety Update (Jul-13): Ondansetron for intravenous use: dose-dependent QT interval prolongation

MHRA Drug Safety Update (Aug-12): Ondansetron (Zofran): important new intravenous dose restriction

**Neurokinin 1-receptor antagonist****Aprepitant**

RED

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




**RESTRICTED**  
highly / moderately emetogenic CINV**Fosaprepitant**

RED

150mg infusion




**RESTRICTED**  
highly / moderately emetogenic CINV**Cannabinoids****Nabilone**

GREY

RED

(DNP)

250micrograms; 1mg capsules




**RESTRICTED**  
highly emetogenic CINV**Hyoscine****Hyoscine hydrobromide**

SI

patches; tablets (for Hyoscine butylbromide see section 1.2)





MHRA Drug Safety Update (Jul-23): Hyoscine hydrobromide patches: risk of anticholinergic side effects, including hyperthermia

**Other Drugs for Ménière's Disease****Betahistidine dihydrochloride**

GREEN

tablets




## 4.7 Analgesics



### 4.7.1 Non-Opioid Analgesics

(see also Chapter 10 for NSAIDs)

#### Paracetamol

GREEN

tablets; soluble tablets; infusion; injection; oral suspension; suppositories

1<sup>st</sup> line use

MHRA Drug Safety Update (Sep-25): Paracetamol &amp; pregnancy - reminder that taking paracetamol during pregnancy remains safe

#### Sucrose 24% solution

Sweet-Ease® oral solution

**RESTRICTED**  
Pain relief in neonates

### Compound Analgesic Preparations

#### Paracetamol and codeine (Co-codamol)

GREEN

Co-codamol® tablets; effervescent tablets

#### Paracetamol and dihydrocodeine (Co-dydramol)

tablets

### 4.7.2 Opioid Analgesics

MHRA Drug Safety Update (Sep-20): Opioids: risk of dependence and addiction

#### Buprenorphine

SA

NOT patch

**RESTRICTED**

#### Codeine phosphate

GREEN

tablets; syrup; injection

MHRA Drug Safety Update (Jul-13): Codeine for analgesia: restricted use in children because of reports of morphine toxicity

MHRA Drug Safety Update (Jun-13): Codeine: restricted use as analgesic in children and adolescents after European safety review

#### Diamorphine hydrochloride

injection

#### Difelikefalin

RED

Kaprvia® injection

**RESTRICTED**  
Renal Consultants in line with NICE  
NHSE M4C

#### Dihydrocodeine tartrate standard release preparations only

GREEN

tablets

#### Fentanyl

GREEN

NOT lozenge (see also section 15.1.4.3)

**Spray RESTRICTED** palliative care &  
haematology initiation (Wd44)

MHRA Drug Safety Update (Oct-18): Transdermal fentanyl patches: life-threatening and fatal opioid toxicity from accidental exposure, particularly in children

MHRA Drug Safety Update (Sep-08): Serious and fatal overdose of fentanyl patches

#### Methadone hydrochloride

oral solution

**RESTRICTED**  
palliative care & substance misuse

#### Morphine sulfate

GREY GREEN

tablets; M/R tablets; capsules; M/R capsules; oral solution; injection

#### Morphine sulfate

GREY GREEN

Actimorph® orodispersible tablets

**RESTRICTED**  
palliative care / GMMMG

#### Oxycodone hydrochloride

SA

capsules; liquid; tablets; M/R tablets; injection

**RESTRICTED**  
2<sup>nd</sup> line for morphine intolerance

#### Pethidine hydrochloride

injection; tablets

#### Tapentadol hydrochloride M/R

GREY SA

tablets

**RESTRICTED**  
3<sup>rd</sup> line - Pain Team Consultants only

MHRA Drug Safety Update (Jan-19): Tapentadol (Palexia): risk of seizures and reports of serotonin syndrome when co-administered with other medicines

#### Tramadol hydrochloride

GREEN

capsules; M/R capsules; tablets; M/R tablets; soluble tablets; injection

**4.7.3 Neuropathic Pain**

**Amitriptyline**

GREEN

tablets; oral solution



**Carbamazepine**

SI

tablets; M/R tablets; oral solution; suppositories



MHRA Drug Safety Update (Dec-12): Carbamazepine, oxcarbazepine and eslicarbazepine: potential risk of serious skin reactions

**Gabapentin**

GREEN



capsules; oral suspension



**Gabapentin**

(DNP)



cream



**RESTRICTED**  
Gynaecology / 5<sup>th</sup> line paediatrics neuropathic pain

MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

MHRA Drug Safety Update (Apr-19): Pregabalin (Lyrica), gabapentin (Neurontin) and risk of abuse and dependence: new scheduling requirements from 1 April

MHRA Drug Safety Update (Oct-17): Gabapentin (Neurontin): risk of severe respiratory depression

Public Health England briefing (Dec-14): risk of misuse of gabapentin and pregabalin

**Lidocaine**

GREY

GREEN

Versatis® 700mg medicated plaster



**RESTRICTED**  
Specialist pain team only  
for in-patient use - not for discharge

**Pregabalin**

GREEN



capsules; oral solution



**3<sup>rd</sup> / 4<sup>th</sup> line use** if gabapentin contraindicated or not tolerated

MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs

MHRA Drug Safety Update (Feb-21): Pregabalin (Lyrica): reports of severe respiratory depression

MHRA Drug Safety Update (Apr-19): Pregabalin (Lyrica), gabapentin (Neurontin) and risk of abuse and dependence: new scheduling requirements from 1 April

Public Health England briefing (Dec-14): risk of misuse of gabapentin and pregabalin

**4.7.4 Antimigraine Drugs**

**4.7.4.1 Treatment Of Acute Migraine**

**Analgesics**

**Aspirin**

GREEN

OTC

tablets; dispersible tablets; E/C tablets; suppositories



**Paracetamol**

GREEN

OTC

tablets; soluble tablets; oral suspension; infusion; suppositories



MHRA Drug Safety Update (Sep-25): Paracetamol & pregnancy - reminder that taking paracetamol during pregnancy remains safe

**Ibuprofen**

GREEN

OTC

tablets; M/R tablets; oral suspension; sachets



**5HT<sub>1</sub> receptor agonists**

**Sumatriptan**

GREEN

OTC

tablets; nasal spray; injection



**Zolmitriptan**

GREEN

nasal spray



**Calcitonin gene-related peptide (CGRP) receptor antagonist**

**Rimegepant (acute treatment of migraine)**

GREEN



75mg oral lyophilisate (see also prophylaxis below)



**RESTRICTED**  
Specialist use for treatment in line  
with NICE / GMMMG

**4.7.4.2 Prophylaxis of Migraine**

**Atogepant (migraine prophylaxis)**

SA



Aquipta® tablets



**RESTRICTED**  
Neurology initiation only in line  
with NICE / GMMMG

**Botulinum toxin type A**

RED

Botox® injection



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

**Clonidine hydrochloride**

tablets



**Rimegepant (migraine prophylaxis)**

SA



Vydura® 75mg oral lyophilisate



**RESTRICTED**  
Neurology initiation only in line  
with NICE / GMMMG

## 4.8 Antiepileptic drugs



4.8.1 Control of the Epilepsies	NICE NG217
<b>Carbamazepine</b> SA tablets; M/R tablets; oral solution; suppositories NICE BNF emc	
MHRA Drug Safety Update (Dec-12): Carbamazepine, oxcarbazepine and eslicarbazepine: potential risk of serious skin reactions	
<b>Phenobarbital</b> SA ⚠️ tablets; oral solution; injection NICE BNF emc	
<b>Phenytoin sodium</b> SA capsules; oral suspension; injection NICE BNF emc	
<b>Sodium valproate</b> SA tablets; M/R tablets; oral solution; M/R granules; injection NICE BNF emc	
MHRA Drug Safety Update (Jun-25): Valproate (Belvo, Convulex, Depakote, Dyzantil, Epilim, Epilim Chrono / Chronosphere, Episenta, Epival, & Syonell ▼): updated safety & educational materials	
MHRA Drug Safety Update (Feb-25): Valproate: review by two specialists is required for initiating valproate but not for male patients already taking valproate	
MHRA Drug Safety Update (Sep-24): Valproate use in men: as a precaution, men and their partners should use effective contraception	
MHRA Drug Safety Update (Jan-24): Valproate: new safety and educational materials to support regulatory measures in men and women under 55 years of age	
MHRA Drug Safety Update (Oct-23): Valproate: dispense full packs of valproate-containing medicines	
MHRA Drug Safety Update (Aug-23): Valproate: re-analysis of study on risks in children of men taking valproate	
MHRA Drug Safety Update (Dec-22): Valproate: reminder of current Pregnancy Prevention Programme requirements...	
MHRA Drug Safety Update (Jan-20): Valproate (Epilim ▼, Depakote ▼) pregnancy prevention programme: updated educational materials	
MHRA Drug Safety Update (Apr-19): Valproate medicines and serious harms in pregnancy: new Annual Risk Acknowledgement Form and clinical guidance...	
MHRA Drug Safety Update (Apr-18): Valproate medicines (Epilim ▼, Depakote ▼): contraindicated in women & girls of childbearing potential unless conditions of PPP met	
MHRA Drug Safety Update (May-10): Carbapenems: concomitant use with valproic acid not recommended	
<b>Brivaracetam</b> SI tablets; oral solution; injection NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Cenobamate</b> SI Ontozry® tablets NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Clobazam</b> SA tablets; oral suspension NICE BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Clonazepam</b> SA tablets; oral solution; injection NICE BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Eslicarbazepine acetate</b> SA tablets; oral suspension NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE
MHRA Drug Safety Update (Dec-12): Carbamazepine, oxcarbazepine and eslicarbazepine: potential risk of serious skin reactions	
<b>Ethosuximide</b> SA capsules; oral solution NICE BNF emc	<b>RESTRICTED</b> Paediatrics only
<b>Fenfluramine hydrochloride</b> RED ⚠️ Fintepla® oral solution NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only in line with NICE TA808 / TA1050
<b>Gabapentin</b> SA ⚠️ capsules; oral suspension NICE BNF emc	<b>RESTRICTED</b> Specialist use only
MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs	
MHRA Drug Safety Update (Apr-19): Pregabalin (Lyrica), gabapentin (Neurontin) and risk of abuse and dependence: new scheduling requirements from 1 April	
MHRA Drug Safety Update (Oct-17): Gabapentin (Neurontin): risk of severe respiratory depression	
Public Health England briefing (Dec-14): risk of misuse of gabapentin and pregabalin	
<b>Lacosamide</b> GREY SA tablets; oral solution; infusion NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Lamotrigine</b> SA tablets; dispersible tablets NICE BNF emc	<b>RESTRICTED</b> Specialist use only
MHRA Drug Safety Update (Jan-21): Antiepileptic drugs in pregnancy: updated advice following comprehensive safety review	
<b>Levetiracetam</b> SA tablets; oral solution; infusion; granules NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only
MHRA Drug Safety Update (Jan-21): Antiepileptic drugs in pregnancy: updated advice following comprehensive safety review	
<b>Oxcarbazepine</b> SA tablets; oral suspension NICE BNF emc	<b>RESTRICTED</b> Specialist use only
MHRA Drug Safety Update (Dec-12): Carbamazepine, oxcarbazepine and eslicarbazepine: potential risk of serious skin reactions	

<p><b>Perampanel</b>  <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">SA</span></p> <p>tablets; oral suspension</p> <p style="text-align: right;">MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Potassium bromide</b> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">U</span>  <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span></p> <p>850mg tablets</p> <p style="text-align: center;">MMC</p>	<p><b>RESTRICTED</b> Specialist use only Dravet syndrome</p>
<p><b>Pregabalin</b>  <span style="background-color: green; color: white; padding: 2px;">GREEN</span> <span style="background-color: yellow; border: 1px solid black; padding: 2px;">CB</span></p> <p>capsules; oral solution</p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p> <p style="background-color: yellow;">MHRA Drug Safety Update (Jan-26): Improving Information Supplied with Gabapentinoids (Pregabalin/Gabapentin), Benzodiazepines and Z-Drugs                  MHRA Drug Safety Update (Feb-21): Pregabalin (Lyrica): reports of severe respiratory depression                  MHRA Drug Safety Update (Apr-19): Pregabalin (Lyrica), gabapentin (Neurontin) and risk of abuse and dependence: new scheduling requirements from 1 April                  Public Health England briefing (Dec-14): risk of misuse of gabapentin and pregabalin</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Primidone</b>  <span style="background-color: green; color: white; padding: 2px;">SA</span></p> <p>tablets</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Rufinamide</b>  <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>tablets</p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only Lennox-Gastaut Syndrome</p>
<p><b>Stiripentol</b>  <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: red; color: white; padding: 2px;">RED</span></p> <p>capsules; sachets</p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Tiagabine</b>  <span style="background-color: green; color: white; padding: 2px;">SA</span></p> <p>tablets</p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Topiramate</b>  <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">GREEN</span></p> <p>tablets; capsules <span style="background-color: grey; color: white; padding: 2px;">GREY</span></p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p> <p style="background-color: yellow;">MHRA Drug Safety Update (Jun-24): Topiramate (Topamax): introduction of new safety measures, including a Pregnancy Prevention Programme</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Vigabatrin</b>  <span style="background-color: red; color: white; padding: 2px;">RED</span></p> <p>tablets; sachets</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Zonisamide</b>  <span style="background-color: green; color: white; padding: 2px;">SA</span></p> <p>capsules</p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Cannabidiol (CBD)</b>  <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> <span style="background-color: yellow; border: 1px solid black; padding: 2px;">CB</span></p> <p>Epidyolex®</p> <p style="text-align: right;">NICE MMC <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Specialist use only in line with NICE TA614 / TA615</p>
<p><b>4.8.2 Drugs Used in Status Epilepticus</b></p>	
<p><b>Lorazepam</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>tablets; injection (see also section 4.1.2 &amp; 15.1.4.1)</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p> <p style="background-color: yellow;">MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression</p>	
<p><b>Diazepam</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>tablets; liquid; injection; rectal tube (see also sections 4.1.2; 10.2.2 &amp; 15.1.4.1)</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p> <p style="background-color: yellow;">MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression</p>	
<p><b>Clonazepam</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>tablets; oral solution; injection</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p> <p style="background-color: yellow;">MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression</p>	
<p><b>Midazolam</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span> <span style="background-color: yellow; border: 1px solid black; padding: 2px;">CB</span></p> <p>oromucosal solution; injection; infusion (see also section 15.1.4.1)</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p> <p style="background-color: yellow;">MHRA Drug Safety Update (Mar-20): Benzodiazepines and opioids: reminder of risk of potentially fatal respiratory depression</p>	
<p><b>Paraldehyde</b></p> <p>injection; rectal solution</p> <p style="text-align: right;"><span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	
<p><b>Phenytoin sodium</b>  <span style="background-color: green; color: white; padding: 2px;">SA</span></p> <p>capsules; oral suspension; injection</p> <p style="text-align: right;">NICE <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	
<p><b>Sulthiame</b> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">U</span>  <span style="background-color: green; color: white; padding: 2px;">SA</span></p> <p>Ospolot® 50mg tablets</p> <p style="text-align: center;">MMC <span style="background-color: blue; color: white; padding: 2px;">emc</span></p>	<p><b>RESTRICTED</b> Consultant Neurologist use only</p>

## 4.9 Drugs used in Parkinsonism &amp; related disorders



4.9.1 Dopaminergic Drugs Used in Parkinsonism	NICE NG71
<b>Amantadine hydrochloride</b> SA capsules; oral solution NICE BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Apomorphine hydrochloride</b> AMBER injection; infusion NICE MMC BNF emc MHRA Drug Safety Update (Apr-16): Apomorphine with domperidone: minimising risk of cardiac side effects	<b>RESTRICTED</b> Specialist use only
<b>Cabergoline</b> SA tablets NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Co-beneldopa</b> SA capsules; M/R capsules; dispersible tablets NICE BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Co-careldopa</b> SA tablets; M/R tablets (DNP) intestinal gel PbR X NICE BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Entacapone</b> SA tablets NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Foslevodopa with foscarnidopa</b> RED <i>Produvopa</i> ® 240mg/mL / 12mg/mL infusion NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Opicapone</b> GREY SA capsules MMC BNF emc	<b>RESTRICTED 2<sup>nd</sup> line</b> Specialist use only
<b>Pramipexole</b> SA tablets; M/R tablets MMC BNF emc	<b>RESTRICTED 3<sup>rd</sup> line add-on use</b> Specialist use only
<b>Rasagiline</b> SA tablets MMC BNF emc	<b>RESTRICTED</b> patients with end of dose fluctuations
<b>Ropinirole</b> SA tablets; M/R tablets BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Rotigotine</b> SA transdermal patches NICE MMC BNF emc	<b>RESTRICTED</b> Specialist use only. NBM patients
<b>Safinamide</b> SA tablets MMC BNF emc	<b>RESTRICTED</b> Specialist use only
<b>Selegiline</b> SA tablets BNF emc	<b>RESTRICTED</b> Specialist use only
<b>4.9.2 Antimuscarinic Drugs Used in Parkinsonism</b>	
<b>Orphenadrine hydrochloride</b> SI oral solution BNF emc	
<b>Procyclidine (oral &amp; IM)</b> GREEN tablets; oral solution; injection (see also section 18.1.1) BNF emc	
<b>Trihexyphenidyl hydrochloride</b> tablet; syrup MMC BNF emc	

**4.9.3 Drugs Used in Essential Tremor, Chorea, Tics & Related Disorders**

<p><b>Idebenone</b> RED</p> <p>Raxone® 150mg tablets</p> <p>MMC BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Haloperidol</b> GREEN (DNP)</p> <p>tablets; capsules; oral solution (500microgram tablets see DNP)</p> <p>MMC BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p>MHRA Drug Safety Update (Dec-21): Haloperidol (Haldol): reminder of risks when used in elderly patients for the acute treatment of delirium</p>	
<p><b>Piracetam</b></p> <p>tablets; oral solution</p> <p>BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Propranolol hydrochloride</b> GREEN</p> <p>tablets; M/R capsules; oral solution; injection</p> <p>MMC BNF emc</p>	
<p><b>Tetrabenazine</b></p> <p>tablets</p> <p>BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Torsion Dystonias &amp; Other Involuntary Movements</b></p>	
<p>The dose of botulinum toxin is specific to each individual preparation and is <b>NOT</b> interchangeable. The doses for different indications vary - consult product literature &amp; specialist guidance</p>	
<p><b>Botulinum toxin type A</b> RED</p> <p>Botox® injection</p> <p>PbR X NICE MMC BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only see decision tables</p>
<p><b>Botulinum toxin type A</b> RED</p> <p>Dysport® injection</p> <p>PbR X MMC BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only</p>
<p><b>Botulinum toxin type A</b> RED</p> <p>Xeomin® injection</p> <p>PbR X NICE MMC BNF emc</p>	<p><b>RESTRICTED</b> Specialist use only see decision tables</p>

## 4.10 Drugs used in substance dependence



### 4.10.1 Alcohol dependence

**Nalmefene**

GREEN

NICE MMC BNF emc

**RESTRICTED** - Specialist use only in line with NICE TA325

**NOT STOCKED**

### 4.10.2 Nicotine dependence

**Nicotine Replacement Therapy**

GREEN

patches, lozenges, inhalator, microtabs

NICE BNF emc

**NICE NG92**

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

**Cytisinicline**

GREEN

Cytisine 1.5mg tablets

NICE MMC BNF emc

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

**Bupropion hydrochloride**

GREEN

150mg modified-release tablets

NICE BNF emc

MHRA Drug Safety Update (Nov-20): Bupropion (Zyban): risk of serotonin syndrome with use with other serotonergic drugs

**Varenicline**

GREEN

tablets

NICE MMC BNF emc

**NICE CG52**

### 4.10.3 Opioid Dependence

MHRA Drug Safety Update (Sep-20): Opioids: risk of dependence and addiction

**Buprenorphine**

GREEN



sublingual tablets

NICE BNF emc

**RESTRICTED** Initiation by substance misuse specialist

**Buprenorphine (Buvidal®)**

GREEN



8mg;16mg;24mg;32mg;64mg;96mg;128mg;160mg prolonged-release solution for injection

NICE MMC BNF emc

**RESTRICTED** Initiation by substance misuse specialist

**Methadone hydrochloride**



oral solution

NICE BNF emc

**RESTRICTED** Initiation by substance misuse specialist

**Naltrexone hydrochloride**

RED

tablets

NICE MMC BNF emc

**RESTRICTED**  
Gastro Consultant - cholestatic itch

## 4.11 Drugs for dementia



4.11 Drugs for Dementia		NICE NG97
<b>Donepezil hydrochloride</b> SA tablets; orodispersible tablets NICE MMC BNF emc		<b>RESTRICTED</b> Specialist use only
<b>Galantamine</b> SA M/R capsules NICE BNF emc		<b>RESTRICTED</b> Specialist use only
MHRA Drug Safety Update (Dec-15): Letters sent to healthcare professionals		
<b>Memantine hydrochloride</b> SA tablets; oral solution NICE MMC BNF emc		<b>RESTRICTED</b> Specialist use only
<b>Rivastigmine</b> GREEN capsules; oral solution; transdermal patches NICE MMC BNF emc		<b>RESTRICTED</b> Specialist use only

Non-Formulary Items		GMMMG
<b>Aspirin and codeine</b> (DNP) <i>Co-codaprin</i> ® tablets; dispersible tablets	BNF emc	in line with GMMMG Criterion 2
<b>Cannabis-derived, cannabis-based and hemp products</b> (DNP) with the exception of nabilone and <i>Epidyolex</i> ®		in line with GMMMG Criterion 1
<b>Dextropropoxyphene with paracetamol</b> (DNP) <i>Co-proxamol</i> ®	NICE BNF emc	in line with GMMMG
<b>Dosulepin hydrochloride</b> (DNP) tablets; capsules	BNF emc	in line with GMMMG Criterion 1
<b>Electromagnetic pulse therapy</b> (DNP) <i>ActiPatch</i> ®		in line with GMMMG Criterion 1
<b>Eplontersen sodium</b> RED <i>Wainzua</i> ® 45mg/0.8mL injection	MMC BNF emc	MFT not a commissioned centre patients referred to NAC - Royal Free
<b>Eptinezumab</b> RED Et injection	MMC BNF emc	NOT STOCKED
<b>Erenumab</b> RED Et injection	NICE MMC BNF emc	NOT STOCKED
<b>Ergotamine-containing products</b> (DNP) e.g. <i>Migril</i> ®		in line with GMMMG Criterion 1
<b>Esketamine</b> (DNP) <i>Spravato</i> ® nasal spray	NICE MMC BNF emc	in line with GMMMG Criterion 1
<b>Fremanezumab</b> RED Et injection	NICE MMC BNF emc blueaq	NOT STOCKED
<b>Galantamine</b> 4mg; 8mg & 12mg tablets	NICE BNF emc	RESTRICTED Specialist use only
<b>Galcanezumab</b> RED Et injection	MMC BNF emc	NOT STOCKED
<b>Ganaxolone</b> <i>Ztalmy</i> ® 50mg/mL oral suspension	NICE MMC emc	in line with NICE
<b>Haloperidol</b> (DNP) 500microgram tablets	NICE MMC BNF emc	in line with GMMMG Criterion 2
<b>Infrequent migraine</b> (DNP)		in line with GMMMG / NHSE
<b>Levomepromazine</b> (DNP) 6mg tablets	BNF emc	in line with GMMMG
<b>Loxapine</b> (DNP) inhalation powder	BNF	in line with GMMMG Criterion 1
<b>Meprobamate</b> (DNP) tablets		in line with GMMMG Criterion 1
<b>Meprobamate</b> (DNP) tablets		in line with GMMMG Criterion 1
<b>Mild toothache / teething</b> (DNP) e.g. paracetamol, ibuprofen, teething gels.		in line with GMMMG / NHSE

<b>Minor conditions associated with pain, discomfort and/or fever</b> (DNP)	<b>in line with GMMMG / NHSE</b>
e.g. aches and sprains, headache, period pain, back pain <b>Nicotine</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Oxycodone</b> <i>Skyclarys</i> ® 50mg hard capsules	<b>Not recommended by NICE</b>
<b>Oxycodone with naloxone</b> (DNP)  <i>Targinact</i> ® M/R tablets	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Paracetamol and tramadol</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Paracetamol mixture / mucilage</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Paracetamol with buclizine and codeine</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Paracetamol with isometheptene</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Pregabalin</b> (DNP)	<b>in line with GMMMG</b>
<b>Sufentanil citrate</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Tafamidis</b> <b>RED</b>	<b>MFT not a commissioned centre</b> <b>patients referred to NAC - Royal Free</b>
<b>Travel sickness</b> (DNP)	<b>in line with GMMMG / NHSE</b>
<b>Trimipramine</b> (DNP)	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Vutrisiran</b> <b>RED</b>	<b>MFT not a commissioned centre</b> <b>patients referred to NAC - Royal Free</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 Sulfonamides & Trimethoprim
- 5.1.9 Antituberculosis Drugs
- 5.1.10 Antileprotic Drugs
- 5.1.11 Metronidazole & Tinidazole
- 5.1.12 Quinolones
- 5.1.13 Urinary-tract Infections

### 5.2 Antifungal drugs

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

### 5.3 Antiviral drugs

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

### 5.4 Antiprotozoal drugs

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

### 5.5 Anthelmintics

- 5.5.1 Drugs for Threadworms (pinworms, *Enterobius vermicularis*)
- 5.5.2 Ascariocides
- 5.5.5 Schistosomicides (bilharziasis)
- 5.5.6 Filaricides

### 5.6 Miscellaneous

#### Non-Formulary Items

## Trust Guidelines

MFT Adult Antimicrobial guidelines  
 MFT Paediatric Antimicrobial guidelines  
 ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Prophylaxis against infective endocarditis (CG64)  
 Bacterial meningitis and meningococcal septicaemia (CG102)  
 Infection: Prevention & control of healthcare-associated infections in primary & community care (CG139)  
 Hepatitis B (Chronic) (CG165)  
 Tuberculosis (NG33)  
 Sinusitis (acute): antimicrobial prescribing (NG79)  
 Sore throat (acute): antimicrobial prescribing (NG84)  
 Otitis media (acute): antimicrobial prescribing (NG91)  
 Bronchiectasis (non-cystic fibrosis), acute exacerbation: antimicrobial prescribing (NG117)  
 Cough (acute): antimicrobial prescribing (NG120)  
 Surgical site infections: prevention and treatment (NG125)  
 Hepatitis C: Chronic (TA75) (extended by TA106 - partially updated by TA200 & TA300)  
 Hepatitis B: Chronic (TA96) (partially updated by CG165)  
 Hepatitis C: Peginterferon & Ribavirin (TA106) (partially updated by TA200 & TA300)  
 Hepatitis B: Entecavir (TA153)  
 Hepatitis B: Telbivudine (TA154)  
 Oseltamivir, Amantadine & Zanamivir for prophylaxis of Influenza (TA158)  
 Oseltamivir, Amantadine & Zanamivir for treatment of Influenza (TA168)  
 Hepatitis B: Tenofovir disoproxil (TA173)  
 Hepatitis C - peginterferon alfa and ribavirin (TA200) (read in conjunction with TA75 & TA106)  
 Cystic fibrosis (pseudomonas lung infection) - colistimethate sodium and tobramycin (TA276)  
 Hepatitis C (children and young people) - peginterferon alfa & ribavirin (TA300)  
 Sofosbuvir for treating chronic hepatitis C (TA330)  
 Rifaximin for preventing episodes of overt hepatic encephalopathy (TA337)  
 Ledipasvir–sofosbuvir for treating chronic hepatitis C (TA363)  
 Ombitasvir–paritaprevir–ritonavir with or without dasabuvir for treating chronic hepatitis C (TA365)  
 Elbasvir–grazoprevir for treating chronic hepatitis C (TA413)  
 Sofosbuvir–velpatasvir for treating chronic hepatitis C (TA430)  
 Glecaprevir–pibrentasvir for treating chronic hepatitis C (TA499)  
 Sofosbuvir–velpatasvir–voxilaprevir for treating chronic hepatitis C (TA507)  
 Letermovir for preventing cytomegalovirus disease after a stem cell transplant (TA591)  
 Cabotegravir with rilpivirine for treating HIV-1 (TA757)  
 Maribavir for treating refractory cytomegalovirus infection after transplant (TA860)  
 Casirivimab plus imdevimab, nirmatrelvir plus ritonavir, sotrovimab and tocilizumab for treating COVID-19 (TA878)  
 Bulevirtide for treating chronic hepatitis D (TA896)  
 Remdesivir and tixagevimab plus cilgavimab for treating COVID-19 (TA971)  
 Molnupiravir for treating COVID-19 (TA1056)  
 Cabotegravir for preventing HIV-1 in adults and young people (TA1106)

## GMMMG Formulary

Formulary Homepage  
 Chapter 5: Infections  
 GMMMG Adult [Red/Amber/Green](#); DNP and Grey Drug List  
 GMMMG Paediatric [Red/Amber/Green](#); DNP and Grey 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 MFT Trust guidelines, (those drugs not marked Restricted or Reserved)

**5.1 Antibacterial drugs**

**5.1.1 Penicillins**

**5.1.1.1 Benzylpenicillin & Phenoxyethylpenicillin**

<b>Benzylpenicillin sodium (Penicillin G)</b>  600mg injection		
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<b>Phenoxyethylpenicillin (Penicillin V)</b>  tablets		
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<b>Benzathine benzylpenicillin</b>  injection		<b>RESTRICTED</b> unlicensed treatment for syphilis
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**5.1.1.2 Penicillinase-Resistant Penicillins**

<b>Flucloxacillin</b>  capsules; injection; oral solution		
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<b>Temocillin</b>  1g injection		<b>RESTRICTED</b> infection caused by multi-resistant coliforms. <b>Micro only</b>
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**5.1.1.3 Broad Spectrum Penicillins**

<b>Amoxicillin</b>  capsules; oral suspension; injection		
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<b>Co-amoxiclav</b>  tablets; oral suspension; injection		
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**5.1.1.4 Antipseudomonal Penicillins**

<b>Piperacillin with tazobactam</b>  injection		<b>RESERVED</b> serious / resistant infections
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<b>Ticarcillin with clavulanic acid</b>  <i>Timentin</i> ® 3.2g injection		<b>RESERVED</b> serious / resistant infections
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**5.1.1.5 Mecillinams**

<b>Pivmecillinam hydrochloride</b>  200mg tablets		<b>RESTRICTED</b> UTIs caused by resistant coliforms
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**5.1.2 Cephalosporins, Carbapenems & other Beta-Lactams**

**5.1.2.1 Cephalosporins**

<b>Cefalexin</b>  capsules; tablets; oral suspension		
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<b>Cefazolin</b>  injection		<b>RESTRICTED</b> on Micro. advice only
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<b>Cefotaxime</b>  injection		<b>RESERVED</b> as per guidelines for children
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<b>Ceftriaxone</b>  injection		<b>RESERVED</b> as per guidelines for children
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<b>Cefuroxime</b>  injection		<b>RESERVED</b> as per guidelines for children
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<b>Cefixime</b> tablets	  	<b>RESERVED</b> GU infections only
<b>Ceftazidime</b> injection	  	<b>RESERVED</b> pseudomonas infection in CF
<b>Cetazidime with avibactam</b> Zavicefta® infusion	  	<b>RESERVED for</b> gram negative organisms <b>Micro. Consultant only</b>
<b>Ceftolozane sulfate with tazobactam sodium</b> Zerbaxa® infusion	  	<b>RESERVED for</b> gram negative organisms <b>Micro. Consultant only</b>
<b>Ceftaroline fosamil</b> Zinforo® infusion	  	<b>RESERVED</b> CAP & cSSTI treatment. <b>Micro. Consultant only</b>
<b>Cefoxitin</b> injection	  	<b>RESERVED for</b> treatment of mycobacterium abscessus in CF. <b>Micro. Consultant only</b>
<b>Cefiderocol</b> Fetroja® infusion	  	<b>RESERVED for</b> gram negative organisms <b>Micro. Consultant only</b>
<b>5.1.2.2 Carbapenems</b>		
<b>Ertapenem</b> infusion	  	<b>RESTRICTED</b> Outpatient therapy only
<b>Imipenem with cilastatin</b> infusion	  	<b>RESTRICTED</b> Non-Tuberculous Mycobacteria in CF
<b>Imipenem with cilastatin &amp; relebactam</b>  Recarbrio® infusion	  	<b>RESTRICTED</b> <b>Micro. Consultant only</b>
<b>Meropenem</b> injection	  	<b>RESERVED</b> as per guidelines
<b>Meropenem with vaboractam</b> Vaborem® infusion	  	<b>RESTRICTED</b> <b>Micro. Consultant only</b>
<b>5.1.2.3 Other Beta-Lactam antibiotics</b>		
<b>Aztreonam</b> injection	 	<b>RESTRICTED</b> gram negative organisms
<b>Aztreonam lysine</b>   Cayston® nebuliser solution	  	<b>RESTRICTED</b> 3 <sup>rd</sup> line CF patients with chronic pulmonary infection
<b>Aztreonam with avibactam sodium</b> Emblaveo® infusion	  	
<b>5.1.3 Tetracyclines</b>		
<b>Doxycycline</b> capsules; tablets; dispersible tablets	  	
<b>Oxytetracycline</b> tablets	 	
<b>Demeclocycline hydrochloride</b> capsules (see also section 6.5.2)	  	<b>RESTRICTED</b> SIADH only
<b>Lymecycline</b> 408mg capsules (see also section 13.6.2)	  	<b>RESTRICTED</b> Non-Formulary <b>MMC approved for GP referral</b>
<b>Minocycline</b> capsules; tablets	  	
<b>Tigecycline</b> infusion	  	<b>RESERVED</b> as per guidelines

**5.1.4 Aminoglycosides**

MHRA Drug Safety Update (Jan-21): Aminoglycosides (gentamicin, amikacin, tobramycin &amp; neomycin): increased risk of deafness in patients with mitochondrial mutations

<b>Amikacin</b>		<b>RESERVED</b> as per guidelines
injection	   	
<b>Gentamicin</b>		
injection	 	
<b>Tobramycin</b>		<b>RESERVED</b> as per guidelines
 		
injection; inhalation powder; nebuliser liquid	   	
<b>Neomycin sulfate</b>		<b>RESTRICTED</b> Gastro team only - op prep
oral solution	 	
<b>5.1.5 Macrolides</b>		
<b>Clarithromycin</b>		
tablets; oral suspension; infusion	 	
<b>Azithromycin</b>		<b>RESERVED</b> GU only or specialist use
		
tablets; oral suspension	 	
<b>Erythromycin</b>		<b>RESERVED</b> in pregnancy or neonates
tablets; oral suspension; injection	 	
MHRA Drug Safety Update (Dec-20): Erythromycin: caution required due to cardiac risks (QT interval prolongation); drug interaction with rivaroxaban		
MHRA Drug Safety Update (Dec-20): Erythromycin: update on known risk of infantile hypertrophic pyloric stenosis		
<b>5.1.6 Clindamycin</b>		
<b>Clindamycin</b>		<b>RESERVED</b> as per guidelines
capsules; oral suspension; injection; 2% vaginal cream	 	
<b>5.1.7 Some other Antibacterials</b>		
<b>Chloramphenicol</b>		<b>RESERVED</b> as per guidelines
capsules; injection	 	
MHRA Drug Safety Update (Jul-21): Chloramphenicol eye drops containing borax or boric acid buffers: use in children younger than 2 years		
<b>Dalbavancin</b>		
<b>Dalbavancin</b>		<b>RESTRICTED Consultant only</b>  <b>Micro. approval required</b>
500mg infusion	  	
<b>Fidaxomicin</b>		
<b>Fidaxomicin</b>		<b>RESTRICTED</b> <i>clostridium difficile</i> associated diarrhoea <b>Micro. only</b>
 		
200mg tablets; 40mg/mL granules for oral suspension	  	
<b>Fusidic Acid</b>		
<b>Fusidic acid (sodium fusidate)</b>		<b>RESERVED</b> as per guidelines
		
tablets; oral suspension; 2% cream	 	
MHRA Drug Safety Update (Sep-11): Systemic fusidic acid and interaction with statins		
<b>Glycopeptides</b>		
<b>Vancomycin</b>		
		
injection; capsules; oral suspension	  	
<b>Teicoplanin</b>		<b>RESERVED</b> as per guidelines
injection	 	
<b>Daptomycin</b>		
<b>Daptomycin</b>		<b>RESTRICTED</b> as per guidelines
		
infusion	  	
<b>Linezolid</b>		
<b>Linezolid</b>		<b>RESTRICTED</b> as per guidelines
		
tablets; infusion	  	

Polymyxins		
<b>Colistimethate sodium</b> 		<b>RESTRICTED</b> as per guidelines
injection		
<b>Colistimethate sodium (nebulised)</b> 		<b>RESTRICTED specialist</b> for CF and non-CF bronchiectasis
Colomycin® injection		
<b>Colistimethate sodium (DPI)</b> 		<b>RESTRICTED</b> as per guidelines
Colobreathe® inhalation powder		
MHRA Drug Safety Update (Nov-14): Colobreathe (colistimethate sodium dry powder for inhalation): risk of capsule breakage - new instructions for use		
Pristinamycin		
<b>Pristinamycin</b> 		<b>RESTRICTED</b> as per BASHH guidelines for <i>Mycoplasma genitalium</i>
500mg tablets		
Rifaximin		
<b>Rifaximin</b> 		<b>RESTRICTED</b> as per guidelines / NICE
550mg tablets (see also Ch1: Non-formulary items)		
Spectinomycin		
<b>Spectinomycin</b>		<b>RESTRICTED</b> cephalosporin resistant gonorrhoea
Kirin® injection		
Taurolidine		
<b>Taurolidine citrate 4%</b>		<b>RESTRICTED</b> as per CVC guidelines
TauroLock® 4% ampoules		
5.1.8 Sulfonamides & Trimethoprim		
<b>Trimethoprim</b>		
tablets; oral suspension		
<b>Co-trimoxazole</b> 		<b>RESERVED</b> as per guidelines
tablets; oral suspension; infusion		
<b>Sulfadiazine</b>		<b>RESTRICTED</b>
tablets		
5.1.9 Antituberculosis Drugs		
<b>Bedaquiline</b> 		<b>RESTRICTED</b> MDR TB only
tablets		
<b>Ethambutol hydrochloride</b> 		
tablets		
<b>Isoniazid</b> 		
tablets; oral solution; injection		
<b>Pretomanid</b> 		<b>Restricted RR TB, MDR TB</b> and pre-XDR TB
Dovprela® 200mg tablets		
<b>Prothionamide</b>		<b>RESTRICTED</b> MDR TB only
tablets		
<b>Pyrazinamide</b> 		
tablets		
<b>Rifampicin</b> 		
capsules; oral solution; infusion		
<b>Rifabutin</b> 		<b>2<sup>nd</sup> line</b> where rifampicin not suitable
caspules		
<b>Rifater®</b> 		
(Rifampicin with isoniazid & pyrazinamide) tablets		

<b>Rifinah®</b> SI (Rifampicin with isoniazid) tablets	NICE BNF emc	
<b>Voractiv®</b> SI (Rifampicin with ethambutol hydrochloride, isoniazid and pyrazinamide) tablets	MMC BNF emc	
<b>Capreomycin sulfate</b> injection	NICE emc	<b>RESTRICTED</b> MDR TB only <b>Not stocked</b>
<b>Cycloserine</b> capsules	BNF emc	<b>RESTRICTED</b> MDR TB only <b>Not stocked</b>
<b>Delamanid</b> EF tablets	MMC BNF emc	<b>RESTRICTED</b> MDR TB only
<b>Streptomycin</b> RED injection	NICE BNF emc	<b>RESTRICTED</b> MDR TB only <b>Not stocked</b>
<b>Moxifloxacin</b> tablets; injection	NICE MMC BNF emc	<b>RESTRICTED</b>
<b>Para aminosalicylic acid (PAS)</b> granules	PbR X MMC BNF emc	<b>RESTRICTED</b> MDR TB only <b>Not stocked</b>
<b>5.1.10 Antileprotic Drugs</b>		
<b>Clofazimine</b> U capsules	MMC BNF emc	<b>RESTRICTED</b> MDR TB only
<b>Dapsone</b> SI tablets	MMC BNF emc	<b>RESERVED</b>
<b>5.1.11 Metronidazole &amp; Tinidazole</b>		
<b>Metronidazole</b> GREEN tablets; oral suspension; infusion; suppositories; vaginal gel	MMC BNF emc	
<b>Tinidazole</b> GREEN tablets	BNF emc	<b>RESTRICTED</b>
<b>5.1.12 Quinolones</b>		
<b>Ciprofloxacin</b> tablets; oral suspension; infusion (see also sections 11.3.1 & 12.1.1)	BNF emc	<b>RESERVED</b> as per guidelines
<b>Delafloxacin</b> RED Quofenix® tablets; infusion	MMC BNF emc	<b>RESTRICTED</b> Micro / Infectious diseases recommendation only
<b>Levofloxacin</b> tablets; infusion (see also section 11.3.1)	MMC BNF emc	<b>RESTRICTED</b> MDR TB only <b>Not stocked</b>
<b>Moxifloxacin</b> tablets; infusion	MMC BNF emc	<b>RESTRICTED</b> MDR TB only
<b>Nalidixic acid</b> tablets	BNF emc	<b>RESTRICTED</b> Urology use in children only
<b>Ofloxacin</b> tablets (see also section 11.3.1)	BNF emc	<b>RESTRICTED</b> GU infections only
<p>MHRA Drug Safety Update (Jan-24): Fluoroquinolone antibiotics: must now only be prescribed when other commonly recommended antibiotics are inappropriate</p> <p>MHRA Drug Safety Update (Sep-23): Fluoroquinolone antibiotics: suicidal thoughts and behaviour</p> <p>MHRA Drug Safety Update (Aug-23): Fluoroquinolone antibiotics: reminder of the risk of disabling and potentially long-lasting or irreversible side effects</p> <p>MHRA Drug Safety Update (Dec-20): Systemic &amp; inhaled fluoroquinolones: small risk of heart valve regurgitation; consider other therapeutic options first in patients at risk</p> <p>MHRA Drug Safety Update (Jul-20): Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection</p> <p>MHRA Drug Safety Update (Mar-19): Fluoroquinolones: new restrictions / precautions for use due to reports of disabling &amp; potentially long-lasting or irreversible side effects</p> <p>MHRA Drug Safety Update (Nov-18): Systemic &amp; inhaled fluoroquinolones: small increased risk of aortic aneurysm &amp; dissection; advice for prescribing in high-risk patients</p>		

**5.1.13 Urinary-tract Infections****Nitrofurantoin**

M/R capsules; capsules; tablets



MHRA Drug Safety Update (Apr-23): Nitrofurantoin: reminder of the risks of pulmonary and hepatic adverse drug reactions

MHRA Drug Safety Update (Sep-14): Nitrofurantoin now contraindicated in most patients with an estimated glomerular filtration rate (eGFR) of less than 45 ml/min/1.73m<sup>2</sup>**Fosfomycin**

GREEN

sachets; infusion

**RESTRICTED**  
Micro recommendation only**Methenamine hippurate**

Hiprex® tablets

**RESTRICTED** Urology Consultants**Non-drug treatment****D-Mannose**

Waterfall D-Mannose® tablets / powder (food supplement)

**RESTRICTED** 5<sup>th</sup> line recurrent UTI  
after antibiotic options**Urease inhibitor****Acetohydroxamic acid** Ⓢ

RED

Lithostat® tablets

**RESTRICTED** Urology Consultants



## 5.2 Antifungal drugs

### 5.2.1 Triazole Antifungals

#### Fluconazole

GREEN

capsules; infusion; oral suspension.

#### Isavuconazole

capsules; infusion

PbR X

**RESTRICTED**  
micro / specialist use only

#### Itraconazole

GREEN

capsules; oral solution; infusion

#### Posaconazole

RED

££

G/R tablets; oral suspension; infusion

PbR X

**RESTRICTED**  
micro / specialist use only

MHRA Drug Safety Update (Sep-16): Posaconazole (Noxafil): tablets and oral suspension are not directly interchangeable

#### Voriconazole

RED

££

tablets; oral suspension; infusion (see also section 11.3.2)

PbR X

**RESTRICTED**  
micro / specialist use only

### 5.2.3 Polyene Antifungals

#### Nystatin

100,000 units/mL oral suspension

#### Amphotericin (liposomal)

RED

££

infusion

PbR X

**RESTRICTED**  
micro / specialist use only

### 5.2.4 Echinocandin Antifungals

#### Anidulafungin

RED

££

Ecalta® infusion

PbR X

**1<sup>st</sup> line RESTRICTED**  
micro / specialist use only

#### Micafungin

RED

££

Mycamine® infusion

PbR X

**RESTRICTED**  
micro / specialist use only

#### Rezafungin

RED

££

Rezzayo® infusion

PbR X

**RESTRICTED**  
micro / specialist use only

### 5.2.5 Other Antifungals

#### Griseofulvin

tablets

**2<sup>nd</sup> line**  
following topical therapy

#### Terbinafine

RED

tablets

**2<sup>nd</sup> line**  
following topical therapy

#### Flucytosine

infusion

**RESTRICTED**  
micro / Neonates only

MHRA Drug Safety Update (Oct-20): Flucytosine (Ancotil): new contraindication in patients with DPD deficiency

## 5.3 Antiviral drugs



<p><b>Molnupiravir</b>  </p> <p>Lagevrio® 200mg capsules</p> <p>PbR X     </p>	<p><b>RESTRICTED CMDU</b>                  see COVID-19 guidance</p> <p></p>
<p><b>Nirmatrelvir with ritonavir</b>  </p> <p>Paxlovid® 150mg/100mg tablets</p> <p>PbR X    </p>	<p><b>RESTRICTED</b>                  see COVID-19 guidance</p> <p></p>
<p>MHRA Drug Safety Update (Nov-23): Nirmatrelvir, ritonavir (Paxlovid▼): be alert to the risk of drug interactions with ritonavir</p>	
<p><b>Remdesivir</b>  </p> <p>Veklury® infusion</p> <p>PbR X     </p>	<p><b>RESTRICTED</b>                  see COVID-19 guidance</p> <p></p>
<p><b>Sotrovimab</b>  </p> <p>Xevudy® infusion</p> <p>PbR X     </p>	<p><b>RESTRICTED</b>                  see COVID-19 guidance</p> <p></p>
<p><b>Tecovirimat monohydrate</b>  </p> <p>Tecovirimat SIGA® 200mg capsules</p> <p>PbR X    </p>	<p><b>RESTRICTED patients hospitalised due to monkeypox</b></p> <p></p>
<p><b>5.3.1 HIV Infection</b> <b>BHIVA treatment guidelines</b></p> <p><b>Nucleoside Reverse Transcriptase Inhibitors (NRTIs)</b> <b>CHIVA PEP 2023</b> </p>	
<p><b>Abacavir</b>  </p> <p>tablets; oral solution</p> <p>PbR X    </p>	
<p><b>Bictegravir with emtricitabine &amp; tenofovir alafenamide</b>  </p> <p>Biktarvy® tablets</p> <p>PbR X    </p>	<p></p>
<p><b>Emtricitabine</b>  </p> <p>capsules</p> <p>PbR X    </p>	
<p><b>Lamivudine</b>  </p> <p>tablets; oral solution</p> <p>PbR X   </p>	
<p><b>Tenofovir disoproxil</b>  </p> <p>tablets; granules</p> <p>PbR X     </p>	
<p><b>Tenofovir alafenamide</b>  </p> <p>Descovy® / Odefsey® / Genvoya® tablets</p> <p>PbR X    </p>	<p><b>RESTRICTED</b>                  patients requiring new formulation</p> <p></p>
<p><b>Tenofovir disoproxil with efavirenz &amp; emtricitabine</b>  </p> <p>Atripla® tablets</p> <p>PbR X   </p>	
<p><b>Tenofovir with cobicistat, elvitegravir &amp; emtricitabine</b>  </p> <p>Stribild® tablets</p> <p>PbR X   </p>	<p></p>
<p><b>Tenofovir with emtricitabine</b>  </p> <p>Truvada® tablets</p> <p>PbR X    </p>	
<p><b>Emtricitabine with rilpivirine &amp; tenofovir</b>  </p> <p>Eviplera® tablets</p> <p>PbR X   </p>	
<p><b>Zidovudine with lamivudine</b>  </p> <p>Combivir® tablets</p> <p>PbR X   </p>	

Protease Inhibitors		BHIVA treatment guidelines
<b>Atazanavir</b>   capsules    		
<b>Atazanavir with cobicistat</b>   Evotaz® tablets    		
<b>Baloxavir marboxil</b>   Xofluza® tablets    		<b>post-exposure prophylaxis of influenza</b>
<b>Darunavir</b>   tablets; oral suspension    		
MHRA Drug Safety Update (Jul-18): Darunavir boosted with cobicistat: avoid use in pregnancy due to risk of treatment failure and maternal-to-child transmission of HIV-1		
<b>Darunavir with cobicistat</b>   RezoIsta® tablets    		
MHRA Drug Safety Update (Jul-18): Darunavir boosted with cobicistat: avoid use in pregnancy due to risk of treatment failure and maternal-to-child transmission of HIV-1		
<b>Darunavir with cobicistat, emtricitabine &amp; tenofovir alafenamide</b>   Symtuza® tablets    		
MHRA Drug Safety Update (Jul-18): Darunavir boosted with cobicistat: avoid use in pregnancy due to risk of treatment failure and maternal-to-child transmission of HIV-1		
<b>Fosamprenavir</b>   Telzir® tablets    		
<b>Fostemsavir tromethamine</b>   Rukobia® tablets    		
<b>Lopinavir with ritonavir</b>   Kaletra® tablets; oral solution   		<b>Kaletra® 100mg/25mg &amp; 200mg/50mg tablets are being discontinued in Apr-26</b>
MHRA Drug Safety Update (Oct-18): Ritonavir-containing products: reports of interaction with levothyroxine leading to reduced thyroxine levels		
<b>Ritonavir</b>   tablets; powder for oral suspension   		
MHRA Drug Safety Update (Oct-18): Ritonavir-containing products: reports of interaction with levothyroxine leading to reduced thyroxine levels		
<b>Saquinavir</b>   tablets   		
Non-Nucleoside Reverse Transcriptase Inhibitors (Non-NRTIs)		BHIVA treatment guidelines
<b>Doravirine</b>   Pifeltro® tablets    		
<b>Doravirine with lamivudine &amp; tenofovir disoproxil fumarate</b>   Delstrigo® tablets    		
<b>Efavirenz</b>   tablets; capsules   		
<b>Etravirine</b>   Intelence® tablets    		
<b>Nevirapine</b>   tablets; oral suspension; M/R tablets    		
<b>Rilpivirine</b>   Edurant® tablets / Rekambys® injection     		
Other Antiretrovirals (Integrase inhibitors; Fusion inhibitors; CCR5 antagonists)		BHIVA treatment guidelines
<b>Cabotegravir</b>   Vocabria® injection and Apretude® tablets; injection     		
<b>Dolutegravir</b>   Tivicay® tablets    		
MHRA Drug Safety Update (Oct-20): Dolutegravir (Tivicay▼, Triumeq▼, Juluca▼): updated advice on increased risk of neural tube defects		
MHRA Drug Safety Update (Jun-18): Dolutegravir (Tivicay▼, Triumeq▼, Juluca▼): increased risk of neural tube defects; DNP to women seeking to become pregnant...		

<b>Dolutegravir with abacavir &amp; lamivudine</b>  		
Triumeq® tablets <span style="float: right;">PbR X   </span>		
MHRA Drug Safety Update (Oct-20): Dolutegravir (Tivicay▼, Triumeq▼, Juluca▼): updated advice on increased risk of neural tube defects		
<b>Dolutegravir with lamivudine</b>  		
Dovato® tablets <span style="float: right;">PbR X   </span>		
MHRA Drug Safety Update (Oct-20): Dolutegravir (Tivicay▼, Triumeq▼, Juluca▼): updated advice on increased risk of neural tube defects		
<b>Dolutegravir with rilpivirine</b>  		
Juluca® tablets <span style="float: right;">PbR X   </span>		
MHRA Drug Safety Update (Oct-20): Dolutegravir (Tivicay▼, Triumeq▼, Juluca▼): updated advice on increased risk of neural tube defects		
<b>Enfuvirtide</b>  		
Fuzeon® injection <span style="float: right;">PbR X   </span>		
<b>Maraviroc</b>  		
Celsentri® tablets <span style="float: right;">PbR X   </span>		
<b>Raltegravir</b>  		
Isentress® tablets; chewable tablets; granules <span style="float: right;">  </span>		
<b>Pharmacokinetic enhancers of antiretrovirals</b>		
<b>Cobicistat</b>  		
Tybost® tablets <span style="float: right;">PbR X   </span>		
<b>5.3.2 Herpesvirus Infection</b>		
<b>5.3.2.1 Herpes Simplex &amp; Varicella-Zoster Infection</b>		
<b>Aciclovir</b> 		
tablets; oral suspension; infusion (see also section 13.10.3) <span style="float: right;">  </span>		
<b>Valaciclovir</b> 		
tablets <span style="float: right;"> </span>		<b>RESTRICTED</b> Specialist use only
<b>Amenamivir</b>  		
Amenalief® 200mg tablets <span style="float: right;"> </span>		<b>RESTRICTED</b> Specialist use only
<b>5.3.2.2 Cytomegalovirus (CMV) Infection</b>		
<b>Cidofovir</b>  		<b>RESERVED</b> Specialist use only
infusion <span style="float: right;">PbR X  </span>		
<b>Foscarnet sodium</b>  		<b>RESERVED</b> Specialist use only; also for aggressive CMV retinitis
infusion <span style="float: right;">PbR X   </span>		
<b>Ganciclovir</b>  		<b>RESERVED</b> Specialist use only
infusion (see also eye gel section 11.3.3) <span style="float: right;">PbR X  </span>		
<b>Letemovir</b>  		<b>RESERVED</b> Specialist use only
Prevmis® tablets <span style="float: right;">PbR X     </span>		
<b>Maribavir</b>  		<b>RESERVED</b> Specialist use only in line with NICE
Livtency® tablets <span style="float: right;">PbR X     </span>		
<b>Valganciclovir</b>  		<b>RESERVED</b> Specialist use only
tablets; oral solution <span style="float: right;">PbR X  </span>		
<b>5.3.3 Viral Hepatitis</b>		
<b>5.3.3.1 Chronic hepatitis B</b>		
<b>Adefovir dipivoxil</b>  		<b>NICE CG165</b>
Hepsera® tablets <span style="float: right;">PbR X    </span>		
<b>Entecavir</b>  		
Baraclude® tablets <span style="float: right;">PbR X    </span>		

5.3.3.2 Chronic hepatitis C		NHSE Hepatitis C	NHS England
MHRA Drug Safety Update (Jan-17): Direct-acting antiviral interferon-free regimens to treat chronic hepatitis C: risk of hepatitis B reactivation			
MHRA Drug Safety Update (Jan-17): Direct-acting antivirals to treat chronic hepatitis C: risk of interaction with vitamin K antagonists and changes in INR			
<b>Dasabuvir</b>   Exviera® tablets      	<b>RESTRICTED Specialist use only</b> in line with NHSE Commissioning 		
<b>Elbasvir with grazoprevir</b>   Zepatier® tablets      	<b>RESTRICTED Specialist use only</b> in line with NICE TA413 		
<b>Glecaprevir with pibrentasvir</b>   Maviret® tablets      	<b>RESTRICTED Specialist use only</b> in line with NHSE and NICE TA499 		
<b>Ombitasvir with paritaprevir &amp; ritonavir</b>   Viekirax® tablets     	<b>RESTRICTED Specialist use only</b> in line NICE / NHSE Commissioning 		
MHRA Drug Safety Update (Oct-18): Ritonavir-containing products: reports of interaction with levothyroxine leading to reduced thyroxine levels			
<b>Sofosbuvir</b>   Sovaldi® tablets      	<b>RESTRICTED Specialist use only</b> in line with NICE TA330 		
MHRA Drug Safety Update (Aug-15): Simeprevir with sofosbuvir: risk of severe bradycardia and heart block when taken with amiodarone			
<b>Sofosbuvir with ledipasvir</b>   Harvoni® tablets      	<b>RESTRICTED Specialist use only</b> in line NHSE Commissioning 		
MHRA Drug Safety Update (May-15): Sofosbuvir with daclatasvir; sofosbuvir and ledipasvir: risks of severe bradycardia and heart block when taken with amiodarone			
<b>Sofosbuvir with velpatasvir</b>   Epclusa® tablets      	<b>RESTRICTED Specialist use only</b> in line with NICE TA430 		
<b>Sofosbuvir with velpatasvir &amp; voxilaprevir</b>   Vosevi® tablets      	<b>RESTRICTED Specialist use only</b> in line with NICE TA507 		
5.3.3.3 Hepatitis D			
<b>Bulevirtide</b>   Hepcludex® injection      	<b>RESTRICTED Specialist use only</b> in line with NICE TA896 		
5.3.4 Influenza			
<b>Oseltamivir</b>  Tamiflu® capsules; oral suspension     	MHRA Drug Safety Update (Sep-12): Oseltamivir (Tamiflu): changed concentration and dosing dispenser of oral suspension		
<b>Zanamivir</b>  Relenza® inhalation powder     			
<b>Zanamivir</b>  Dectova® 10mg/mL infusion     	<b>RESTRICTED</b> Virology approval only		
5.3.5 Respiratory Syncytial Virus (RSV)			
MHRA Drug Safety Update (Jul-25): Abrysvo (Pfizer) and Arexvy (GSK): be alert to a small risk of Guillain-Barré syndrome following vaccination in older adults			
<b>Nirsevimab</b>   Beyfortus® 50mg/mL; 100mg/mL injection    	<b>RESTRICTED Specialist use only</b> 		
<b>Palivizumab</b>   Synagis® 100mg/mL injection     	<b>RESTRICTED Specialist use only</b> 		
<b>Ribavirin</b>   capsules; tablets      	<b>RESTRICTED Specialist use only</b>		

## 5.4 Antiprotozoal drugs



<p><b>Nitazoxanide</b> <span style="color:red">Ⓡ</span>  <span style="background-color:red; color:white; padding: 2px;">RED</span> <span style="border: 1px solid blue; border-radius: 50%; padding: 2px;">EE</span></p> <p>500mg tablets; 100mg/5mL oral suspension</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>5.4.1 Antimalarials</b></p>	
<p><b>Artesunate</b></p> <p>injection</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Artemether with lumefantrine</b></p> <p><span style="background-color:green; color:white; padding: 2px;">SI</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Chloroquine</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p>MHRA Drug Safety Update (Feb-22): Hydroxychloroquine, chloroquine: increased risk of CV events when used with macrolide antibiotics; reminder of psychiatric reactions                  MHRA Drug Safety Update (Mar-20): Chloroquine and Hydroxychloroquine not licensed for coronavirus (COVID-19) treatment</p>	
<p><b>Mefloquine</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Primaquine</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Proguanil hydrochloride</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Proguanil hydrochloride with atovaquone</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>Malarone® tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Pyrimethamine</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Pyrimethamine with sulfadoxine</b></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Quinine dihydrochloride</b> <span style="color:red">Ⓡ</span></p> <p><span style="background-color:red; color:white; padding: 2px;">RED</span></p> <p>injection</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p>MHRA Drug Safety Update (Nov-17): Quinine: reminder of dose-dependent QT-prolonging effects; updated interactions</p>	
<p><b>Quinine sulfate</b></p> <p>tablets (see also section 10.2.2)</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p>MHRA Drug Safety Update (Nov-17): Quinine: reminder of dose-dependent QT-prolonging effects; updated interactions</p>	
<p><b>5.4.2 Amoebicides</b></p>	
<p><b>Metronidazole</b></p> <p><span style="background-color:green; color:white; padding: 2px;">GREEN</span></p> <p>(see also section 5.1.11)</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>Tinidazole</b></p> <p><span style="background-color:green; color:white; padding: 2px;">GREEN</span></p> <p>Fasigyn® tablets</p>	<p style="text-align: center;"><b>RESERVED</b> Specialist use only</p>
<p><b>Diloxanide furoate</b></p> <p>tablets</p>	<p style="text-align: center;"><b>RESTRICTED</b> Non-formulary micro. recommendation only</p>
<p><b>5.4.3 Trichomonacides</b></p>	
<p><b>Metronidazole</b></p> <p><span style="background-color:green; color:white; padding: 2px;">GREEN</span></p> <p>(see also section 5.1.11)</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>
<p><b>5.4.4 Antigiardial drugs</b></p>	
<p><b>Metronidazole</b></p> <p><span style="background-color:green; color:white; padding: 2px;">GREEN</span></p> <p>(see also section 5.1.11)</p>	<p style="text-align: center;"><b>RESTRICTED</b> Specialist use only</p>

<b>5.4.5 Leishmaniacides</b>		
<b>Meglumine antimoniate</b>   injection	  	<b>RESTRICTED</b> treatment of Leishmaniacides
<b>Paromomycin</b>   tablets	  	<b>RESTRICTED</b> treatment of Cryptosporidiosis
<b>Sodium stibogluconate</b>  injection	  	<b>RESTRICTED</b> treatment of Leishmaniacides
<b>5.4.7 Drugs for toxoplasmosis</b>		
<b>Sulfadiazine</b>   tablets	 	<b>RESTRICTED</b> treatment of toxoplasmosis <b>micro. recommendation only</b>
<b>5.4.8 Drugs for pneumocystis pneumonia</b>		
<b>Atovaquone</b>   oral suspension	 	<b>RESTRICTED</b> Specialist use only
<b>Pentamidine isethionate</b>   injection	 	<b>RESTRICTED</b> Specialist use only

## 5.5 Anthelmintic



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

**Albendazole**

**RED**

tablets

MMC

**RESTRICTED**  
Specialist use only

**Mebendazole**

(DNP)

chewable tablets; oral suspension ( (DNP) threadworms)

### 5.5.2 Ascaricides

**Levamisole**

tablets

MMC

**RESTRICTED**  
Specialist use only

### 5.5.5 Schistosomicides (*bilharziasis*)

**Praziquantel**

tablets

MMC

**RESTRICTED**  
Schistosomicides / tapeworm

### 5.5.6 Filaricides

**Diethylcarbamazine**

tablets

MMC

**RESTRICTED**  
Specialist use only

## 5.6 Miscellaneous



### 5.6 Miscellaneous antimicrobial treatments

#### Calcium sulphate

RED

Stimulan® antibiotic carrier beads

MMC



**RESTRICTED**  
Specialist use Diabetic Foot Clinic  
only

#### Tauroidine

RED

TauroPace™ 2% solution

MMC



**RESTRICTED**  
Aspergilloma surgery only

Non-Formulary Items		GMMMG
<b>Bezlotoxumab</b> (DNP)  Zinplava® injection		<b>In line with GMMMG (Discontinued Jan-25)</b>
<b>Casirivimab with imdevimab</b> RED  Ronapreve® infusion	     	<b>No longer part of MFT COVID19 Management pathway</b>
<b>Edetate tetrasodium</b> KiteLock™ 4% sterile catheter lock solution	 	<b>Not MMC approved</b>
<b>Fungal nail infections</b> (DNP) Nail lacquers, paints and softening products		<b>In line with GMMMG / NHSE Criterion 3</b>
<b>Infrequent cold sores of the lip</b> (DNP) Aciclovir cream, Zovirax cold sore cream		<b>In line with GMMMG / NHSE</b>
<b>Ketoconazole (oral administration)</b> (DNP) 200mg tablets	  	<b>In line with GMMMG Criterion 1</b>
MHRA Drug Safety Update (Dec-14): Oral ketoconazole: do not prescribe or use for fungal infections—risk of liver injury outweighs benefits		
<b>Threadworms</b> (DNP) e.g. Mebendazole		<b>In line with GMMMG / NHSE</b>
<b>Tipranavir</b> RED  capsules	  	<b>Discontinued December 2021</b>
<b>Tixagevimab with cilgavimab</b> RED  Evusheld® injection	  	<b>REJECTED in line with NICE TA971</b>

## Section 6: Endocrine system

Supported by the  
formulary (click here)



### 6.1 Drugs used in diabetes

#### 6.1.1 Insulins

##### 6.1.1.1 Short-acting insulins

##### 6.1.1.2 Intermediate & long-acting insulins

##### Biphasic insulins

#### 6.1.2 Antidiabetic drugs

##### 6.1.2.1 Sulphonylureas

##### 6.1.2.2 Biguanides

##### 6.1.2.3 Other antidiabetic drugs

##### Alpha glucosidase inhibitors

##### Dipeptidyl peptidase-4 (DPP-4) inhibitors

##### Rapid acting insulin secretagogues (meglitinides)

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

##### Sodium-glucose co-transporter 2 (SGLT2) inhibitors

##### Thiazolidinediones

#### 6.1.4 Treatment of hypoglycaemia

#### 6.1.5 Treatment of diabetic nephropathy and neuropathy

#### 6.1.6 Diagnostic and monitoring agents for diabetes mellitus

### 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

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Safer insulin prescribing (KTT20)  
 Diabetes in pregnancy: management from preconception to the postnatal period (NG3)  
 Type 1 diabetes in adults: diagnosis and management (NG17)  
 Diabetes (type 1 and type 2) in children and young people: diagnosis and management (NG18)  
 Diabetic foot problems: prevention and management (NG19)  
 Type 2 diabetes in adults: management (NG28)  
 Heavy menstrual bleeding: assessment and management (NG88)  
 Burosumab for treating X-linked hypophosphataemia in children and young people (HST8)  
 Human growth hormone - adults (TA64)  
 Diabetes (type 1) - insulin pump therapy (TA151)  
 Osteoporosis - Primary Prevention (TA160)  
 Osteoporosis - Secondary Prevention (TA161)  
 Human growth hormone (somatropin) for the treatment of growth failure in children (review) (TA188)  
 Osteoporotic Fractures - denosumab (TA204)  
 Bone metastases from solid tumours - denosumab (TA265)  
 Type 2 diabetes - Dapagliflozin combination therapy (TA288)  
 Diabetes (type 2) - canagliflozin (TA315)  
 Tolvaptan for treating autosomal dominant polycystic kidney disease (TA358)  
 Canagliflozin, dapagliflozin and empagliflozin as monotherapies for treating type 2 diabetes (TA390)  
 Dapagliflozin in triple therapy for treating type 2 diabetes (TA418)  
 Bisphosphonates for treating osteoporosis (TA464)  
 Ertugliflozin as monotherapy or with metformin for treating type 2 diabetes (TA572)  
 Ertugliflozin with metformin and a dipeptidyl peptidase-4 inhibitor for treating type 2 diabetes (TA583)  
 Dapagliflozin with insulin for treating type 1 diabetes (TA597)  
 Sotagliflozin with insulin for treating type 1 diabetes (TA622)  
 Liraglutide for managing overweight and obesity (TA664)  
 Romosozumab for treating severe osteoporosis (TA791)  
 Relugolix-estradiol-norethisterone acetate for treating moderate to severe symptoms of uterine fibroids (TA832)  
 Somatrogen for treating growth disturbance in people 3 years and over (TA863)  
 Tirzepatide for treating type 2 diabetes (TA924)  
 Empagliflozin for treating chronic kidney disease (TA942)  
 Hybrid closed loop systems for managing blood glucose levels in type 1 diabetes (TA943)  
 Abaloparatide for treating osteoporosis after menopause (TA991)  
 Burosumab for treating X-linked hypophosphataemia in adults (TA993)  
 Linzagolix for treating moderate to severe symptoms of uterine fibroids (TA996)  
 Tirzepatide for managing overweight and obesity (TA1026)  
 Relugolix-estradiol-norethisterone for treating symptoms of endometriosis (TA1057)  
 Somapacitan for treating growth hormone deficiency in people 3 to 17 years (TA1066)  
 Linzagolix for treating symptoms of endometriosis (TA1067)  
 Dapagliflozin for treating chronic kidney disease (updates & replaces TA775) (TA1075)

## GMMMG Formulary

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

# 6.1 Drugs used in diabetes



## 6.1.1 Insulins

Type 1 diabetes



Type 2 diabetes



**Insulins must ONLY be initiated by practitioners experienced in their use**  
**Insulins must be prescribed by BRAND NAME**

MHRA Drug Safety Update (Apr-15): High strength, fixed combination & biosimilar insulin products: minimising the risk of medication error

- NICE NG3
- NICE NG17
- NICE NG18
- NICE NG19
- NICE NG28

### 6.1.1.1 Short-acting insulins

#### Human

##### Actrapid®

SI

Human insulin (see also section 18.1.1)



##### Apidra®

GREEN

Insulin glulisine



##### Fiasp®

GREY SA

Insulin aspart (NB: Fiasp FlexTouch® 100units/mL discontinued Nov-25)



##### Humalog®

SI

Insulin lispro



##### Humulin R®

Human insulin



##### Humulin S®

SI

Human insulin



##### Admelog®

GREEN

Insulin lispro



##### Lyumjev®

GREY SA

Insulin lispro



##### NovoRapid®

GREEN

Insulin aspart



##### Trurapi®

GREEN

Insulin aspart



#### Animal

- Some long-standing type 1 diabetic patients may be on animal insulin. These are made by Wockhardt and come in 10ml vials or 3ml Cartridges that fit into the Autopen Classic® which is available on prescription.
- Patients need not be transferred to human insulin unless clinical need dictates
- Human insulin and analogues should be used in preference to animal insulin

##### Hypurin® Porcine Neutral

Insulin porcine



### 6.1.1.2 Intermediate & long-acting insulins

#### Human

##### Humulin I® Insulin

SI

Isophane insulin



##### Insulatard®

SI

Isophane insulin



#### Animal

- Some long-standing type 1 diabetic patients may be on animal insulin. These are made by Wockhardt and come in 10ml vials or 3ml Cartridges that fit into the Autopen Classic® which is available on prescription.
- Patients need not be transferred to human insulin unless clinical need dictates
- Human insulin and analogues should be used in preference to animal insulin

##### Hypurin® Porcine Isophane

Isophane insulin



Long-acting insulins		
Human		
<b>Levemir®</b>  Insulin detemir	 	
<b>Lantus®</b> Insulin glargine	 	<b>2<sup>nd</sup> line use</b> in patients where normal basal insulins cause nocturnal hypoglycaemia
<b>Abasaglar®</b>  Insulin glargine (biosimilar)	 	
<b>Toujeo®</b>   Insulin glargine (HIGH STRENGTH)	 	
<b>Tresiba®</b>   Insulin degludec ( <b>NB: Tresiba FlexTouch® 100units/mL discontinued Dec-25</b> )	 	<b>RESTRICTED</b> <b>3<sup>rd</sup> line after Levemir &amp; Lantus</b> <b>Diabetes Consultant only</b>
Biphasic insulins		
Human		
<b>Humalog® Mix 25</b>  Biphasic insulin lispro	 	
<b>Humalog® Mix 50</b>  Biphasic insulin lispro	 	
<b>Humulin M3®</b>  Biphasic isophane insulin	 	
<b>NovoMix® 30</b>  Biphasic insulin aspart	 	
Animal		
<ul style="list-style-type: none"> <li>Some long-standing type 1 diabetic patients may be on animal insulin. These are made by Wockhardt and come in 10ml vials or 3ml Cartridges that fit into the Autopen Classic® which is available on prescription.</li> <li>Patients need not be transferred to human insulin unless clinical need dictates</li> <li>Human insulin and analogues should be used in preference to animal insulin</li> </ul>		
<b>Hypurin® Porcine 30/70 Mix Insulin</b> Biphasic isophane insulin	 	
6.1.2 Antidiabetic drugs		
6.1.2.1 Sulfonylureas		
<b>Gliclazide</b>  tablets	 	
<b>Glipizide</b> tablets	 	<b>RESTRICTED</b> <b>Not for initiation</b>
6.1.2.2 Biguanides		
<b>Metformin hydrochloride</b>   oral solution; tablets	 	
MHRA Drug Safety Update (Jun-22): Metformin and reduced vitamin B12 levels: new advice for monitoring patients at risk MHRA Drug Safety Update (Mar-22): Metformin in pregnancy: study shows no safety concerns		
6.1.2.3 Other antidiabetic drugs		
Alpha glucosidase inhibitors		
<b>Acarbose</b> tablets	 	
Dipeptidyl peptidase 4 (DPP 4) inhibitors		
MHRA Drug Safety Update (Sep-12): Dipeptidylpeptidase-4 inhibitors: risk of acute pancreatitis		
<b>Alogliptin</b>  tablets	 	
<b>Linagliptin</b>  tablets	 	

NICE NG28

<b>Saxagliptin</b> 		<b>2<sup>nd</sup> line</b> to improve glycaemic control in adults with metformin
tablets	  	
<b>Sitagliptin</b> 		
tablets	  	
<b>Rapid acting insulin secretagogues (meglitinides)</b>		
<b>Repaglinide</b> 		<b>2<sup>nd</sup> line</b>
tablets	  	
<b>Glucagon-like peptide-1 (GLP-1) receptor agonists</b>		
MHRA Drug Safety Update (Jan-26): GLP-1 receptor agonists & dual GLP-1/GIP receptor agonists: strengthened warnings on acute pancreatitis, including necrotising & fatal cases MHRA Drug Safety Update (Oct-24): GLP-1 receptor agonists: reminder of the potential side effects and to be aware of the potential for misuse MHRA Drug Safety Update (Jun-19): GLP-1 receptor agonists: reports of diabetic ketoacidosis when concomitant insulin was rapidly reduced or discontinued		
<b>Dulaglutide</b> 		<b>RESTRICTED</b> <b>1<sup>st</sup> line weekly preparation</b> <b>Diabetes Consultants only</b>
injection	  	
<b>Exenatide</b> 		<b>2<sup>nd</sup> line</b> patients with poor glycaemic control
injection	   	
<b>Bydureon®</b> 		<b>3<sup>rd</sup> line</b> after failure / inadequate response to oral therapy
Exenatide prolonged release (once weekly injection)	  	
<b>Liraglutide (Victoza®)</b> 		<b>2<sup>nd</sup> line</b> to achieve glycaemic control with metformin or a sulphonylurea <b>PRESCRIBE BY BRAND NAME</b>
6mg/mL pre-filled pen	  	
MHRA Drug Safety Update (Nov-23): Ozempic▼(semaglutide) and Saxenda (liraglutide): vigilance required due to potentially harmful falsified products		
<b>Semaglutide</b> 		<b>1<sup>st</sup> line</b> weekly preparation
Ozempic® injection	  	
MHRA Drug Safety Update (Nov-23): Ozempic▼(semaglutide) and Saxenda (liraglutide): vigilance required due to potentially harmful falsified products		
<b>Semaglutide</b> 		<b>RESTRICTED</b> as per by GMMMG
Rybelsus® tablets	   	
MHRA Drug Safety Update (Dec-25): Rybelsus® (semaglutide tablets): transition to new formulation and risk of medication error		
MHRA Drug Safety Update (Nov-23): Ozempic▼(semaglutide) and Saxenda (liraglutide): vigilance required due to potentially harmful falsified products		
<b>Tirzepatide</b> 		<b>RESTRICTED</b> as per NICE / GMMMG T2DM pathway <a href="#">see also Non-formulary section</a>
Mounjaro® injection	   	
<b>Sodium-glucose co-transporter 2 (SGLT2) inhibitors</b>		
MHRA Drug Safety Update (Mar-20): SGLT2 inhibitors: monitor ketones in blood during treatment interruption for surgical procedures or acute serious medical illness MHRA Drug Safety Update (Feb-19): SGLT2 inhibitors: reports of Fournier's gangrene (necrotising fasciitis of the genitalia or perineum) MHRA Drug Safety Update (Mar-17): SGLT2 inhibitors: updated advice on increased risk of lower-limb amputation (mainly toes) MHRA Drug Safety Update (Apr-16): SGLT2 inhibitors: updated advice on the risk of diabetic ketoacidosis		
<b>Canagliflozin</b> 		<b>RESTRICTED</b> in line with NICE <b>Diabetes Consultants only</b>
tablets	   	
MHRA Drug Safety Update (Jun-16): Canagliflozin (Invokana▼, Vokanamet▼): signal of increased risk of lower extremity amputations in trial in high CV risk patients		
<b>Dapagliflozin</b> 		<b>RESTRICTED</b> in line with NICE
tablets	   	
MHRA Drug Safety Update (Apr-16): Dapagliflozin (Forxiga): no longer authorised for treatment of type 1 diabetes mellitus		
<b>Empagliflozin</b> 		<b>RESTRICTED</b> in line with NICE
tablets	   	
<b>Ertugliflozin</b> 		<b>RESTRICTED</b> in line with NICE <b>Diabetes Consultants only</b>
tablets	   	
<b>Thiazolidinediones</b>		
<b>Pioglitazone</b> 		<b>2<sup>nd</sup> line</b> add-on with metformin or a sulphonylurea
tablets	  	
MHRA Drug Safety Update (Aug-11): Pioglitazone: risk of bladder cancer		
<b>6.1.4 Treatment of hypoglycaemia</b>		
<b>Glucagon</b> 		
1mg injection (see also section 18.1.1)	 	

<p><b>Glucose gel</b>  <span style="background-color: green; color: white; padding: 2px;">GREEN</span></p> <p>40% oral gel</p>	
<p><b>Diazoxide</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>tablets</p>	<p><b>Hyperinsulinaemic Hypoglycaemia</b></p>
<p><b>6.1.5 Treatment of diabetic nephropathy and neuropathy</b></p>	
<p>Diabetic nephropathy <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span></p> <p>Diabetic neuropathy <span style="background-color: blue; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span> (see also section 4.7.3 Neuropathic pain)</p>	<p><b>NICE NG3</b></p> <p><b>NICE NG17</b></p> <p><b>NICE NG18</b></p> <p><b>NICE NG19</b></p> <p><b>NICE NG28</b></p>
<p><b>6.1.6 Diagnostic and monitoring agents for diabetes mellitus</b></p>	
<p><span style="background-color: green; color: white; padding: 2px;">SA</span> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: purple; color: white; padding: 2px;">NICE</span></p>	<p><b>GMMMG</b></p>
<p>MHRA Drug Safety Update (Oct-24): Insulin pumps &amp; CGM equipment: guidance for users on reporting suspected adverse incidents &amp; safety concerns to the MHRA's Yellow Card</p>	

## 6.2 Thyroid & antithyroid drugs



### 6.2.1 Thyroid hormones

#### Levothyroxine sodium

GREEN

oral solution; tablets



MHRA Drug Safety Update (May-21): Levothyroxine: new prescribing advice for patients who experience symptoms on switching between different levothyroxine products

#### Liothyronine sodium (oral)

GREY SI (DNP)

tablets



2<sup>nd</sup> line use

#### Liothyronine sodium (injection)

GREY RED

injection



2<sup>nd</sup> line use (I.V. RESTRICTED to hypothyroid coma)

### 6.2.2 Antithyroid drugs

#### Carbimazole

SA

5mg; 20mg tablets (see also (DNP) below)



MHRA Drug Safety Update (Feb-19): Carbimazole: increased risk of congenital malformations; strengthened advice on contraception

MHRA Drug Safety Update (Feb-19): Carbimazole: risk of acute pancreatitis

#### Iodine (Aqueous Iodine oral solution) Ⓢ

Lugol's Iodine



#### Potassium iodide

tablets



#### Propylthiouracil

SI

tablets



## 6.3 Corticosteroids



MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration

### 6.3.1 Replacement therapy

#### Fludrocortisone acetate

GREEN

tablets



### 6.3.2 Glucocorticoid therapy

#### Prednisolone

GREEN

**1<sup>st</sup> line:** standard tablets

**if 1<sup>st</sup> line not tolerated**

**2<sup>nd</sup> line:** dissolve standard tablets

**3<sup>rd</sup> line:** oral liquid

**4<sup>th</sup> line:** soluble tablets (££)



#### Dexamethasone

GREEN



#### Hydrocortisone

GREEN



MHRA Drug Safety Update (Dec-18): Hydrocortisone muco-adhesive buccal tablets: should not be used off-label for adrenal insufficiency in children due to serious risks

#### Hydrocortisone M/R

SI

5mg tablets



**RESTRICTED**

**2<sup>nd</sup> line use in adrenal insufficiency**

#### Hydrocortisone

GREEN

Alkindi® granules in capsules



**RESTRICTED**

**2<sup>nd</sup> line use in adrenal insufficiency**

MHRA Drug Safety Update (Feb-21): Alkindi (granules): risk of acute adrenal insufficiency in children when switching from hydrocortisone tablet formulations to granules

#### Betamethasone

GREEN RED



**RESTRICTED**  
**Specialist use only**

#### Methylprednisolone

GREEN



MHRA Drug Safety Update (Oct-17): Methylprednisolone injectable medicine containing lactose (Solu-Medrone 40 mg): do not use in patients with cows' milk allergy

#### Triamcinolone acetonide

RED

(see also section 10.1.2.2)



**RESTRICTED**  
**Specialist use only**

#### Vamorolone

RED ££

Agamree® 40mg/mL oral suspension

NICE



**RESTRICTED Specialist use only in line with NICE TA1031**

## 6.4 Sex hormones



### 6.4.1 Female sex hormones and their modulators

#### 6.4.1.1 Oestrogens & HRT

##### Conjugated oestrogens with progestogen

**Premique®** (Conjugated oestrogens with medroxyprogesterone)

GREEN

tablets

BNF emc

**2<sup>nd</sup> line use oral**  
(continuous combined HRT)

##### Estradiol with Progestogen

**Bijuve®** (Estradiol with progesterone)

GREEN

1mg/100mg capsules

MMC BNF emc

**Elleste-Duet®** (Estradiol with norethisterone)

GREEN

tablets

BNF emc

**1<sup>st</sup> line use oral**  
(sequential HRT)

**Evorel Conti®** (Estradiol with norethisterone)

GREEN

patch

MMC BNF emc

**Evorel Sequi®** (Estradiol with norethisterone)

GREEN

patch

MMC BNF emc

**Femoston®** (Estradiol with dydrogesterone)

GREEN

tablets

BNF emc

**2<sup>nd</sup> line use oral**  
(sequential HRT)

**Kliovance®** (Estradiol with norethisterone)

GREEN

tablets

MMC BNF emc

**1<sup>st</sup> line use oral**  
(continuous combined HRT)

##### Estradiol only

**Elleste Solo®**

GREEN

tablets

BNF emc

**1<sup>st</sup> line use oral**  
(oestrogen only HRT)

**Estradot®**

GREEN

patch

BNF emc

**RESTRICTED**  
(Oestrogen only HRT)  
when oral contraindicated.

**Evorel®**

GREEN

patch

MMC BNF emc

**RESTRICTED**  
Paed. Endocrine Consultants

**Lenzetto®**

GREEN

transdermal spray

MMC BNF emc

**OestrogeI®**

GREEN

0.06% gel (pump-pack)

MMC BNF emc

**Progynova®**

RED

1mg tablets

MMC BNF emc

**RESTRICTED 2<sup>nd</sup> line**  
Paed. Endocrine Consultants

**Sandrena®**

GREEN

500microgram; 1mg gel sachets

MMC BNF emc

##### Ethinylestradiol, raloxifene & tibolone

**Ethinylestradiol** Ⓢ

2 microgram tablets

MMC BNF emc

**RESTRICTED**  
adults: amenorrhoea  
paeds: pubertal induction (3<sup>rd</sup> line)

**Raloxifene hydrochloride**

SA

tablets

NICE MMC BNF emc

**RESTRICTED**  
Specialist Med. Consultant only  
NICE TA160 / TA161

**Tibolone**

GREEN

tablets

BNF emc

**3<sup>rd</sup> line use oral**  
(continuous combined HRT)

##### 6.4.1.2 Progestogens and progesterone receptor modulators

**Dydrogesterone**

tablets

emc

**Medroxyprogesterone acetate**

GREEN

Depo-Provera® 150mg/mL injection

BNF emc

<b>Medroxyprogesterone acetate</b> <b>GREEN</b> Sayana Press® 104mg/0.65 mL injection	  	
<b>Norethisterone</b> <b>GREEN</b> tablets	 	
<b>Progesterone</b> <b>GREEN</b> <b>SI</b> <b>RED</b> 100mg oral capsules; 200mg, 400mg pessaries; 200mg vaginal capsules; injection	  	
<b>Ulipristal acetate</b> <b>RED</b> Esmya® 5mg tablets	  	<b>RESTRICTED</b> <b>Specialist use only uterine fibroids</b>
MHRA Drug Safety Update (Feb-21): Ulipristal acetate 5mg (Esmya): further restrictions due to risk of serious liver injury MHRA Drug Safety Update (Aug-18): Esmya - risk of serious liver injury: new restrictions to use, requirements for LFT monitoring before, during & after treatment MHRA Drug Safety Update (Mar-18): Esmya (ulipristal acetate) for uterine fibroids: do not initiate or re-start treatment; monitor LFT in current and recent users		
<b>6.4.2 Male sex hormones &amp; antagonists</b>		
<b>Testosterone &amp; Esters</b>		
<b>Oral</b>		
<b>Testosterone</b> <b>SA</b> <b>AMBER</b> injection & implants only	 	<b>RESTRICTED</b> <b>Specialist use only</b>
<b>Transdermal preparations</b>		
<b>Androstanolone (aka Dihydrotestosterone (DHT))</b> Andractim® 2.5% gel	  	<b>RESTRICTED</b> <b>Specialist use only - 3<sup>rd</sup> line</b>
MHRA Drug Safety Update (Jan-23): Topical testosterone (Testogel): risk of harm to children following accidental exposure		
<b>Testosterone</b> <b>SA</b> Tostran® 2% gel	  	<b>RESTRICTED</b> <b>Specialist use only</b>
MHRA Drug Safety Update (Jan-23): Topical testosterone (Testogel): risk of harm to children following accidental exposure		
<b>Anti-androgens</b>		
<b>Cyproterone acetate</b> <b>SI</b> <b>AMBER</b> tablets (see also section 8.3.4.2)	 	<b>RESTRICTED</b> <b>Specialist use only</b>
<b>Finasteride</b> <b>GREEN</b> <b>AMBER</b> tablets	 	<b>RESTRICTED</b> <b>Specialist use only</b>
MHRA Drug Safety Update (Apr-24): Finasteride: reminder of the risk psychiatric side effects and of sexual side effects (which may persist after discontinuation..) MHRA Drug Safety Update (May-17): Finasteride: rare reports of depression and suicidal thoughts		

## 6.5 Hypothalamic & pituitary hormones & anti-oestrogens



### 6.5.1 Hypothalamic & anterior pituitary hormones & anti-oestrogens

#### Anti-oestrogens

##### Clomifene citrate

RED

tablets

BNF emc

#### Anterior pituitary hormones (Corticotrophins)

##### Tetracosactide

injection

BNF emc

**RESTRICTED**  
test for adrenocortical insufficiency

##### Corticotropin releasing hormone

RED

injection

emc

**RESTRICTED**  
Specialist use only

#### Anterior pituitary hormones (Gonadotrophins)

##### Follitropin alfa

RED

Bemfola® injection

MMC BNF emc

**RESTRICTED**  
Specialist use only

##### Follitropin alfa

RED

GONAL-f® injection

MMC BNF emc

**RESTRICTED**  
Specialist use only

##### Follitropin alfa

RED

Ovaleap® injection

MMC BNF emc

**RESTRICTED**  
Specialist use only

##### Follitropin delta

RED

Rekovele® injection

MMC BNF emc

**RESTRICTED**  
Specialist use only

##### Human Chorionic Gonadotrophin (hCG) <sup>U</sup>

RED

Gonasi® injection

MMC emc

**RESTRICTED**  
Specialist use only

##### Human Chorionic Gonadotrophin (hCG)

RED

Zivafert® injection

MMC emc

**RESTRICTED**  
Specialist use only

#### Anterior pituitary hormones (Growth Hormone)

##### Somapacitan

RED

EE

Sogroya® injection

PbR X NICE MMC BNF emc

**RESTRICTED**  
as per NICE TA1066

##### Somatropin

SI

RED

EE

injection

PbR X NICE MMC BNF emc

**RESTRICTED**  
as per NICE TA64 / TA188

##### Somatrogon

RED

EE

Ngenla® injection

PbR X NICE MMC BNF emc

**RESTRICTED**  
as per NICE TA863

Growth hormone for primary and secondary hypopituitarism

Green

Growth hormone for children

Amber

Growth hormone for adults except in proven primary and secondary hypopituitarism

Red

#### Anterior pituitary hormones (Growth Hormone receptor antagonists)

##### Pegvisomant

RED

EE

injection

PbR X MMC BNF bluefeg emc

**RESTRICTED**  
acromegaly on named patient basis  
**NOT STOCKED**

#### Hypothalamic hormones

##### Gonadorelin (GnRH; LHRH)

RED

injection

BNF emc

**RESTRICTED**  
Specialist use only

##### Protirelin (TRH)

RED

injection

BNF emc

**RESTRICTED**  
Specialist use only

### 6.5.2 Posterior pituitary hormones & antagonists

##### Desmopressin

SI

injection; oral lyophilisates; nasal spray; solution; tablets (see also section 7.4.2)

MMC BNF emc

**RESTRICTED**  
Haematology Consultants only



##### Terlipressin acetate

injection

MMC BNF emc

**RESTRICTED**  
oesophageal varices / HRS-AKI

MHRA Drug Safety Update (Mar-23): Terlipressin: new recommendations to reduce risks of respiratory failure &amp; septic shock in patients with type 1 hepatorenal syndrome

<p><b>Tolvaptan</b>   </p> <p>tablets</p> <p>    </p>	<p><b>RESTRICTED Adult.</b>                  Endocrine / Renal Consultant only</p> <p></p>
<p><b>Vasopressin</b>  </p> <p>injection</p> <p>  </p>	<p><b>RESTRICTED</b>                  pituitary diabetes insipidus</p>
<p><b>Antidiuretic hormone antagonists</b></p>	
<p><b>Demeclocycline hydrochloride</b>  </p> <p>capsules (see also section 5.1.3)</p> <p>  </p>	<p><b>RESTRICTED</b>                  SIADH only</p>

## 6.6 Drugs affecting bone metabolism



### 6.6.1 Calcitonin & parathyroid hormone

#### Abaloparatide (Eladynos®)

RED

80 micrograms injection

PbR X NICE MMC BNF emc

**RESTRICTED** postmenopausal osteoporosis in line with NICE TA991

#### Calcitonin (salmon) / Salcatonin (Miacalcic®)

injection

MMC BNF emc

**RESTRICTED** osteoporosis patients with acute fracture pain.

MHRA Drug Safety Update (Aug-12): Calcitonin-containing medicines should no longer be used in treatment of osteoporosis.

#### Parathyroid hormone

RED

injection

PbR X NICE MMC BNF emc

**RESTRICTED** postmenopausal osteoporosis if failure or non-compliance with bisphosphonates

#### Teriparatide (Forsteo®)

RED

250 micrograms / mL injection

PbR X NICE MMC BNF emc

**RESTRICTED** as per NICE/NHSE

#### Teriparatide (Movymia®)

RED

250 micrograms / mL injection

PbR X NICE MMC BNF emc

Paeds. see decision tables

**RESTRICTED** as per forsteo for new patients

NHS  
England

### 6.6.2 Bisphosphonates & other drugs affecting bone metabolism

MHRA Guidance (Dec-14): Bisphosphonates: use and safety

MHRA Drug Safety Update (Dec-15): Bisphosphonates: very rare reports of osteonecrosis of the external auditory canal

MHRA Drug Safety Update (Jun-11): Bisphosphonates: atypical femoral fractures

MHRA Drug Safety Update (Nov-09): Bisphosphonates: osteonecrosis of the jaw

#### Alendronic acid

GREEN

tablets

NICE MMC BNF emc

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

#### Risedronate sodium

GREEN

tablets

NICE MMC BNF emc

**2<sup>nd</sup> line**  
Osteoporosis & Paget's disease

#### Strontium ranelate

oral suspension

MMC BNF emc

**3<sup>rd</sup> line** osteoporosis patients unable to take bisphosphonates

MHRA Drug Safety Update (Dec-14): Strontium ranelate: cardiovascular risk

#### Ibandronic acid

AMBER

tablets; injection

NICE MMC BNF emc

**RESTRICTED** monthly treatment when daily/weekly dosing contraindicated; NICE TA464

#### Denosumab

AMBER

Prolia® injection

NICE MMC BNF emc

**RESTRICTED**  
specialist use / NICE TA204

MHRA Drug Safety Update (May-22): Denosumab 60mg (Prolia): should not be used in patients under 18 years due to the risk of serious hypercalcaemia

MHRA Drug Safety Update (Aug-20): Denosumab 60mg (Prolia): increased risk of multiple vertebral fractures after stopping or delaying ongoing treatment

MHRA Drug Safety Update (Jun-17): Denosumab (Xgeva▼, Prolia): reports of osteonecrosis of the external auditory canal

MHRA Drug Safety Update (Jul-15): Denosumab (Xgeva▼, Prolia); intravenous bisphosphonates: osteonecrosis of the jaw—further measures to minimise risk

#### Denosumab

RED

Xgeva® injection

NICE MMC BNF emc

**RESTRICTED**  
specialist use / NICE TA265

MHRA Drug Safety Update (Jun-18): Denosumab (Xgeva▼) for advanced malignancies involving bone: study data show new 1ry malignancies reported more frequently...

MHRA Drug Safety Update (Jun-18): Denosumab (Xgeva▼) for giant cell tumour of bone: risk of clinically significant hypercalcaemia following discontinuation

MHRA Drug Safety Update (Jun-17): Denosumab (Xgeva▼, Prolia): reports of osteonecrosis of the external auditory canal

MHRA Drug Safety Update (Jul-15): Denosumab (Xgeva▼, Prolia); intravenous bisphosphonates: osteonecrosis of the jaw—further measures to minimise risk

#### Zoledronic acid

RED

infusion

NICE MMC BNF emc

**RESTRICTED**  
see decision tables; also NICE TA464

#### Burosumab

RED

infusion; pre-filled syringe

NICE MMC BNF emc

**RESTRICTED**  
specialist use only XLH / TIO  
NICE HST8 / TA993

#### Romosozumab

RED

Evenity® injection

NICE MMC BNF emc

**RESTRICTED**  
specialist use NICE TA791

## 6.7 Other endocrine drugs



### 6.7.1 Bromocriptine & other dopaminergic drugs

#### Bromocriptine

SA

1mg; 2.5mg tablets

MMC BNF emc

MHRA Drug Safety Update (Oct-24): Bromocriptine: monitor blood pressure when prescribing bromocriptine for prevention or inhibition of post-partum physiological lactation

#### Cabergoline

SA

500 microgram tablets

BNF emc

**RESTRICTED**  
Hyperprolactinaemia

### 6.7.2 Drugs affecting gonadotrophins

#### Danazol

capsules

BNF emc

#### Buserelin acetate

RED

injection (see also section 8.3.4.2)

MMC BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

**RESTRICTED**  
IVF

#### Goserelin acetate

AMBER RED

implant (also section 8.3.4.2)

BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

#### Leuprorelin acetate

AMBER RED

injection (also section 8.3.4.2)

MMC BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

#### Triptorelin acetate

AMBER RED

injection (also section 8.3.4.2)

MMC BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

**RESTRICTED**

#### Cetrorelix acetate

RED

injection

MMC BNF emc

**RESTRICTED**  
IVF

#### Ganirelix

RED

injection

MMC BNF emc

**RESTRICTED**  
IVF

#### Linzagolix

SA

Yselyt® 100mg; 200mg tablets

NICE MMC BNF emc

**RESTRICTED**  
specialist use NICE TA996 / TA1067

#### Relugolix with estradiol & norethisterone acetate

SA

Ryeqo® 40mg/1mg/0.5mg tablets

NICE MMC BNF emc

**RESTRICTED**  
specialist use NICE TA832 / TA1057

### 6.7.3 Metyrapone

#### Metyrapone

RED

250mg capsules

BNF emc

**RESTRICTED**  
Specialist use only

### 6.7.4 Somatomedins

#### Mecasermin

RED E£

10mg/mL injection

PbR X

BNF emc

**RESTRICTED**  
Specialist use only

MHRA Drug Safety Update (Jan-20): Mecasermin (Increlex ▼): risk of benign and malignant neoplasia

## Non-Formulary Items



<b>Buserelin acetate</b> <b>RED</b> <i>Suprecur® nasal spray</i>	<b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Discontinued</b> <b>March 2025</b>
<b>Carbimazole</b> <b>(DNP)</b> <i>10mg; 15mg tablets</i>	<b>MMC</b> <b>BNF</b> <b>emc</b>	<b>in line with GMMMG</b>
<b>Chlorpropamide</b> <b>(DNP)</b> <i>tablets</i>	<b>BNF</b>	<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Fezolinetant</b> <i>Veozza® 45mg tablets</i>	<b>BNF</b> <b>emc</b>	
<b>MHRA Drug Safety Update (Apr-25): Fezolinetant ▼ (Veozza): risk of liver injury; new recommendations to minimise risk</b>		
<b>Gliclazide</b> <b>(DNP)</b> <i>Modified-release tablets (e.g. Diamicon® MR)</i>	<b>BNF</b> <b>emc</b>	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Hypurin® Bovine Isophane</b> <i>Isophane insulin</i>	<b>emc</b>	<b>Discontinued</b> <b>July 2017</b>
<b>Hypurin® Bovine Lente</b> <i>Insulin zinc suspension</i>	<b>emc</b>	<b>Discontinued</b> <b>July 2017</b>
<b>Hypurin® Bovine Neutral</b> <i>Insulin bovine</i>	<b>NICE</b> <b>emc</b>	<b>Discontinued</b> <b>July 2017</b>
<b>Liraglutide</b> <b>RED</b> <i>Saxenda® 6mg/mL pre-filled pen</i>	<b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Weight loss - MFT is not a commissioned weight management service. Not for initiation, only for patients initiated at NCA.</b>
<b>Lixisenatide</b> <i>Lyxumia® 10 microgram; 20microgram injection</i>	<b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Discontinued</b> <b>June 2022 / December 2023</b>
<b>Metformin hydrochloride</b> <b>(DNP)</b> <i>1g immediate-release tablets</i>	<b>BNF</b> <b>emc</b>	<b>in line with GMMMG</b> <b>Criterion 2</b>
<b>Nateglinide</b> <i>tablets</i>	<b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Discontinued</b> <b>August 2020</b>
<b>Pen needles 8mm, 10mm, or 12mm in length</b> <b>(DNP)</b>		<b>in line with GMMMG</b> <b>Criterion 1</b>
<b>Pen needles costing in excess of £5 per 100</b> <b>(DNP)</b>		<b>in line with GMMMG</b> <b>Criterion 3</b>
<b>Semaglutide</b> <b>RED</b> <i>Wegovy® injection</i>	<b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Weight loss - MFT is not a commissioned weight management service. Not for initiation, only for patients initiated at NCA.</b>
<b>Sotagliflozin</b> <i>Zynquista® 200mg tablets</i>	<b>NICE</b> <b>MMC</b> <b>emc</b>	<b>Withdrawn</b> <b>August 2022</b>
<b>Tirzepatide</b> <b>(DNP)</b> <i>Mounjaro® injection</i>	<b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Weight loss - MFT is not a commissioned weight management service. Not for initiation, only for patients initiated at NCA.</b>

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

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



### 7.1 Drugs used in Obstetrics

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  - 7.1.1.1 Drugs affecting the ductus arteriosus
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- 7.2.1 Preparations for vaginal & vulval changes
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### 7.3 Contraceptives

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  - Ethinylestradiol with Gestodene
  - Ethinylestradiol with Levonorgestrel
  - Ethinylestradiol with Norelgestromin
  - Ethinylestradiol with Norethisterone
  - Ethinylestradiol with Norgestimate
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- 7.3.2 Progestogen-only contraceptives
  - 7.3.2.1 Oral progestogen-only contraceptives
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  - 7.3.2.3 Intra-uterine progestogen-only device
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- 7.4.4 Bladder instillations & urological surgery
- 7.4.5 Drugs for erectile dysfunction
- 7.4.6 Drugs for premature ejaculation

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Long-acting reversible contraception (CG30)  
Lower urinary tract symptoms (CG97)  
Nocturnal enuresis - the management of bedwetting in children and young people (CG111)  
Antenatal and postnatal mental health: clinical management and service guidance (CG192)  
Heavy menstrual bleeding: assessment and management (NG88)  
Urinary incontinence and pelvic organ prolapse in women: management (NG123)  
Caesarean birth (NG192)  
Antenatal care for uncomplicated pregnancies (NG201)  
Inducing labour (NG207)  
Intrapartum care for healthy women and babies (NG235)  
Overactive bladder - mirabegron (TA290)  
Pentosan polysulfate sodium for treating bladder pain syndrome (TA610)  
Vibegron for treating symptoms of overactive bladder syndrome (TA999)

## GMMMG Formulary

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

## 7.1 Drugs used in Obstetrics



### 7.1.1 Prostaglandins & oxytocics

**NICE NG207**
**Carbetocin**
RED
*Pabal*® injection

**MMC** **BNF** **emc**
**RESTRICTED**  
 Obs & Gynae Consultants only

**Carboprost**
RED

injection

**BNF** **emc**
**Ergometrine maleate**

injection

**BNF** **emc**
**Gemeprost**
RED

pessaries

**BNF** **emc**
**Oxytocin**

injection

**BNF** **emc**
**Dinoprostone**

injection; pessaries; vaginal gel; vaginal tablet

**MMC** **BNF** **emc**
**RESTRICTED**  
 Obs & Gynae Consultants only

### 7.1.1.1 Drugs affecting the ductus arteriosus

#### Maintenance of patency

**Alprostadil**
RED
*Prostin VR*® infusion

**MMC** **BNF** **emc**

#### Closure of the ductus arteriosus

**Indometacin**
RED

injection

**BNF** **emc**

### 7.1.2 Mifepristone

**Mifepristone**
RED

tablets

**BNF** **emc**

### 7.1.3 Myometrial relaxants

**Nifedipine**
RED

capsules; tablets

**MMC** **BNF** **emc**
**RESTRICTED (1<sup>st</sup> line)**  
 Obs & Gynae Consultants only

**Atosiban**
RED

infusion; injection

**MMC** **BNF** **emc**
**RESTRICTED (2<sup>nd</sup> line)**  
 Obs & Gynae Consultants only

**Indometacin**
RED

capsules; suppositories

**MMC** **BNF** **emc**
**RESTRICTED (3<sup>rd</sup> line)**  
 Obs & Gynae Consultants only

#### Beta<sub>2</sub> agonists

**Salbutamol** (injection)

RED

 500 micrograms/1mL solution for injection ampoules;  
 5mg/5mL solution for intravenous infusion. (see also section 3.1.1.1)

**MMC** **BNF** **emc**

MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma

**Terbutaline sulfate** (injection)

RED

500 micrograms/mL; 2.5mg/5mL solution for injection ampoules. (see also section 3.1.1.1)

**BNF** **emc**

MHRA Drug Safety Update (Apr-25): Short-acting beta 2 agonists (SABA) (salbutamol and terbutaline): reminder of the risks from overuse in asthma

## 7.2 Treatment of vaginal & vulval conditions



### 7.2.1 Preparations for vaginal & vulval changes

#### Oestrogens, topical

<b>Estradiol</b> <b>GREEN</b> Vagifem® 10 microgram pessaries		
<b>Estriol</b> <b>GREEN</b> Ovestin® 0.1% cream; Gynest® 0.01% cream		
<b>Estriol</b> <b>GREEN</b> Imvaggis® 0.03mg pessaries		
<b>Estriol</b> <b>GREEN</b> Vagirus® 10microgram vaginal tablet		
<b>Estradiol (vaginal ring)</b> <b>GREEN</b> Estring® 7.5 microgram / 24 hours ring		<b>RESTRICTED</b> Obs & Gynae Consultants only

### 7.2.2 Vaginal & vulval infections

#### Preparations for vaginal & vulval candidiasis

<b>Clotrimazole</b> <b>GREEN</b> cream; pessaries		
<b>Miconazole</b> vaginal cream		
<b>Preparations for other vaginal infections</b>		
<b>Clindamycin</b> <b>GREEN</b> 2% vaginal cream		
<b>Dequalinium chloride</b> <b>RED</b> Fluomizin® 10mg vaginal tablets		<b>RESTRICTED</b> 2 <sup>nd</sup> line - bacterial vaginosis (BV)
<b>Metronidazole</b> <b>GREEN</b> Zidoval® 0.75% vaginal gel		<b>RESTRICTED</b> Obs & Gynae Consultants only
<b>Nystatin</b> vaginal cream; pessaries		
<b>Boric acid</b> <b>RED</b> vaginal pessary		<b>RESTRICTED</b> specialist use only for vulvovaginal candidiasis

## 7.3 Contraceptives



MHRA Drug Safety Update (Mar-19): Medicines with teratogenic potential: what is effective contraception and how often is pregnancy testing needed?

### 7.3.1 Combined hormonal contraceptives

NICE CG30

MHRA Drug Safety Update (Mar-14): Combined hormonal contraceptives: risk of venous thromboembolism

#### Ethinylestradiol with desogestrel

**Munalea**®

tablets



**2<sup>nd</sup> line**  
due to increased risk of VTE

**Mercilon**®

tablets



**2<sup>nd</sup> line**  
due to increased risk of VTE

#### Ethinylestradiol with gestodene

**Femodene**®

tablets



**2<sup>nd</sup> line**  
due to increased risk of VTE

**Aidulan**®

20microgram / 75 microgram tablets



**2<sup>nd</sup> line**  
due to increased risk of VTE

#### Ethinylestradiol with levonorgestrel

**TriRegol**®

tablets



NICE NG88

**Microgynon 30**®

GREEN

tablets



**Ovranette**®

GREEN

tablets



#### Ethinylestradiol with norelgestromin

**Evra**®

GREEN

patch



**RESTRICTED**  
in line with GMMMG and SmPC

#### Ethinylestradiol with norethisterone

**Loestrin 20**®

tablets



**Loestrin 30**®

tablets



**Norimin**®

tablets



#### Ethinylestradiol with norgestimate

**Cilest**®

tablets



#### Mestranol with norethisterone

**Norinyl-1**®

tablets



**2<sup>nd</sup> line**  
due to increased risk of VTE

### 7.3.2 Progestogen-only contraceptives

#### 7.3.2.1 Oral progestogen-only contraceptives

**Norethisterone**

GREEN

*Noriday*® 350 microgram tablets



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

**Levonorgestrel**

GREEN

*Norgeston*® 35 microgram tablets



**2<sup>nd</sup> line**

**Desogestrel**

GREEN

*Cerazette*® 75 microgram tablets



**3<sup>rd</sup> line**

**Drospirenone**

GREEN

*Slynd*® 4mg tablets



**4<sup>th</sup> line**

**7.3.2.2 Parenteral progestogen-only contraceptives****Injectable preparations****Medroxyprogesterone acetate**

GREEN

Depo-Provera® 150mg/mL intramuscular injection

**Medroxyprogesterone acetate**

GREEN

Sayana Press® 160mg/mL subcutaneous injection

**Implants****Etonogestrel**

Nexplanon® 68mg subdermal implant

**2<sup>nd</sup> line as per MMC**

MHRA Drug Safety Update (Feb-20): Nexplanon (etonogestrel) contraceptive implants: new insertion site to reduce rare risk of neurovascular injury &amp; implant migration

MHRA Drug Safety Update (Jun-16): Nexplanon (etonogestrel) contraceptive implants: reports of device in vasculature and lung

**7.3.2.3 Intra-uterine progestogen-only device****Levonorgestrel**

GREEN

Mirena®; Benilexa One-Handed® Uevosert® U0micrograms/24 hours IUD



MHRA Drug Safety Update (Jan-16): Levonorgestrel-releasing intrauterine systems: prescribe by brand name

**Levonorgestrel**

Jaydess® 13.5mg IUD

**RESTRICTED**  
Specialist use Tertiary Services only

MHRA Drug Safety Update (Jan-16): Levonorgestrel-releasing intrauterine systems: prescribe by brand name

**Levonorgestrel**

GREEN

Kyleena® 19.5mg IUD

**RESTRICTED**  
Specialist use Tertiary Services only

MHRA Drug Safety Update (Jan-16): Levonorgestrel-releasing intrauterine systems: prescribe by brand name

**7.3.5 Emergency contraception****Levonorgestrel**

GREEN

Levonelle® 1500 microgram tablets



MHRA Drug Safety Update (Sep-16): Levonorgestrel-containing emergency hormonal contraception: advice on interactions with hepatic enzyme inducers...

MHRA Drug Safety Update (Aug-14): Levonorgestrel and ulipristal remain suitable emergency contraceptives for all women

**Ulipristal acetate**

GREEN

ellaOne® 30mg tablets

**RESTRICTED**  
emergency contraception (SARC)

MHRA Drug Safety Update (Aug-14): Levonorgestrel and ulipristal remain suitable emergency contraceptives for all women

**Assisted Reproductive Technology (ART) cycles****Progesterone**

Utrogestan® 100mg; 200mg vaginal capsules

**RESTRICTED**  
ART cycles  
**2<sup>nd</sup> line**

7.4 Drugs for genito-urinary disorders		GMMG
7.4.1 Drugs for urinary retention		NICE CG97
Alpha blockers		NICE CG111
		NICE NG123
<b>Alfuzosin hydrochloride</b> GREEN		
tablets	BNF emc	
<b>Tamsulosin hydrochloride</b> GREEN		1 <sup>st</sup> line
capsules, tablets	MMC BNF emc	
7.4.2 Drugs for urinary, enuresis & incontinence		
Urinary incontinence		NICE NG123
<b>Oxybutynin hydrochloride</b> GREEN		1 <sup>st</sup> line in OAB
oral solution; patch; tablets	NICE MMC BNF emc	
<b>Darifenacin hydrobromide</b> GREEN		1 <sup>st</sup> line in OAB
tablets	NICE MMC BNF emc	
<b>Tolterodine tartrate</b> GREEN		1 <sup>st</sup> line in OAB
capsules, tablets	NICE MMC BNF emc	
<b>Solifenacin succinate</b>		2 <sup>nd</sup> line in OAB
tablets	MMC BNF emc	
<b>Duloxetine</b> GREY GREEN		
capsules	MMC BNF emc	
<b>Tropium chloride</b> GREEN		RESTRICTED 1 <sup>RY</sup> Care referral only
capsules; tablets	MMC BNF emc	
<b>Mirabegron</b> GREEN		RESTRICTED in line with TA290 / Paeds 3 <sup>rd</sup> line
tablets	NICE MMC BNF emc	
MHRA Drug Safety Update (Oct-15): Mirabegron (Betmiga ▼): risk of severe hypertension and associated cerebrovascular and cardiac events		
<b>Vibegron</b>		RESTRICTED in line with TA999
Obgemsa® 75 mg tablets	NICE MMC BNF emc	
Nocturnal enuresis		
<b>Amitriptyline hydrochloride</b> GREEN		
oral solution; tablets (see also section 4.3.1)	BNF emc	
<b>Desmopressin</b> SI		RESTRICTED Haematology Consultants only
injection; nasal spray; tablets (see also section 6.5.2)	MMC BNF emc	
7.4.3 Drugs used in urological pain		
<b>Methionine</b> Ⓢ		RESTRICTED resistant calcium phosphate lithiasis eau European Association of Urology
tablets	emc	
<b>Pentosan polysulfate sodium</b> RED		RESTRICTED Urology Cons. in line with NICE
capsules	NICE MMC BNF emc	
MHRA Drug Safety Update (Sep-19): Elmiron (pentosan polysulfate sodium): rare risk of pigmentary maculopathy		
<b>Potassium citrate</b> GREEN OTC		
tablets (DNP) mild cystitis (2-3 days)	BNF emc	
<b>Potassium citrate</b> Ⓢ RED		
Urociit®-K extended release tablets	MMC emc	

**7.4.4 Bladder instillations & urological surgery**

<b>Chlorhexidine</b> <b>RED</b>	 	
0.02% irrigation solution		
<b>Dimethyl sulfoxide</b>  <b>RED</b>		
50% solution		
<b>Glycine</b> <b>RED</b>	 	
1.5% irrigation solution		
<b>Sodium chloride</b> <b>RED</b>	 	
0.9% irrigation solution		
<b>Sodium citrate</b> <b>RED</b>	 	
3% irrigation solution		
<b>Sodium hyaluronate</b> <b>RED</b>	<b>MMC</b> 	<b>RESTRICTED</b> Urology Consultants only
Cystistat® 40mg/50mL bladder instillation		
<b>Sodium hyaluronate with sodium chondroitin sulfate</b> <b>RED</b>	<b>MMC</b> 	<b>RESTRICTED</b> Urology Consultants only
iAluRil® 800mg/50mL (1.6% w/v) / 1g/50mL (2% w/v) bladder instillation		
<b>7.4.5 Drugs for erectile dysfunction</b>		
<b>Alprostadil</b> <b>GREEN</b>	<b>MMC</b>  	<b>RESTRICTED</b> Urology Consultants only
cream; injection; urethral sticks		
<b>Aviptadil with phentolamine mesilate</b> <b>SI</b>	<b>MMC</b>  	<b>RESTRICTED</b> Urology Consultants only
Invicorp® injection		
<b>Sildenafil</b> <b>GREEN</b> or <b>RED</b> PAH	<b>MMC</b>  	<b>RESTRICTED</b> 1 <sup>RY</sup> Care referral only
injection; oral suspension; tablets (see also section 2.5.1)		
MHRA Drug Safety Update (Nov-18): Sildenafil (Revatio & Viagra): reports of PPHN following in-utero exposure in a clinical trial on intrauterine growth restriction		
<b>Tadalafil</b> <b>GREEN</b> or <b>RED</b> PAH	<b>MMC</b>  	<b>RESTRICTED</b> 1 <sup>RY</sup> Care referral only
tablets (see also section 2.5.1)		
<b>Vardenafil</b>	<b>MMC</b>  	<b>RESTRICTED</b> 1 <sup>RY</sup> Care referral only
tablets		
<b>7.4.6 Drugs for premature ejaculation</b> <span style="border: 1px solid black; padding: 2px;">(DNP)</span>		
<b>NOT STOCKED</b>		

Non-Formulary Items		GMMMG
<b>Dapoxetine hydrochloride</b> (DNP) <i>Priligy® 30mg; 60mg tablets</i>	BNF emc	in line with GMMMG Criterion 1
<b>Doxazosin</b> (DNP) <i>4mg M/R tablets; 8mg tablets</i>	BNF emc	in line with GMMMG Criterion 2
<b>Licensed and off-label topical anaesthetics</b> (DNP)		in line with GMMMG Criterion 1
<b>Mild cystitis (2-3 days)</b> (DNP) <i>e.g. Potassium citrate mixture or sachets, cranberry products</i>		in line with GMMMG / NHSE
<b>Tadalafil</b> (DNP) <i>2.5mg tablets</i>	BNF emc	in line with GMMMG Criterion 2
<b>Tamsulosin with dutasteride</b> (DNP) <i>400microgram / 500microgram hard capsules</i>	BNF emc	in line with GMMMG Criterion 1

## Section 8: Malignant disease & immunosuppression

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



### 8.1 Cytotoxic drugs

Drugs for cytotoxic-induced side-effects

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

#### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)

## NICE Guidance

Advanced breast cancer (CG81)  
 Familial breast cancer (CG164)  
 Hepatitis B (chronic) (CG165)  
 Burosumab for treating X-linked hypophosphataemia in children and young people (HST8)  
 Selumetinib for treating symptomatic & inoperable plexiform neurofibromas associated with type 1 neurofibromatosis (HST20)  
 Leniolisib for treating activated phosphoinositide 3-kinase delta syndrome in people 12 years and over (HST33)  
 Early and locally advanced breast cancer: diagnosis and management (NG101)  
 Lung cancer: diagnosis and management (NG122)  
 Prostate cancer: diagnosis and management (NG131)  
 Colorectal cancer (NG151)  
 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)  
 Paclitaxel for early breast cancer (TA108)  
 Docetaxel for early breast cancer (TA109)  
 Gemcitabine for Breast Cancer (TA116)  
 Bevacizumab & Cetuximab in metastatic colorectal cancer (TA118) (partially updated by TA242)  
 Leukaemia (lymphocytic) - fludarabine (TA119)  
 Carmustine implants and temozolomide for glioma (newly diagnosed & high grade) (TA121)  
 Pemetrexed for lung cancer (non small cell) (TA124)  
 Multiple sclerosis - natalizumab (TA127)  
 Bortezomib for relapsed multiple myeloma (TA129)  
 Pemetrexed for mesothelioma (TA135)  
 Rituximab for follicular non-Hodgkin's lymphoma (TA137)  
 Head and neck cancer - cetuximab (TA145)  
 Renal cell carcinoma - sunitinib (TA169)  
 Lenalidomide - multiple myeloma (TA171)  
 Rituximab for the first-line treatment of chronic lymphocytic leukaemia (TA174)  
 Cetuximab for the first-line treatment of metastatic colorectal cancer (TA176)  
 Renal Cell Carcinoma (TA178)  
 Sunitinib for gastrointestinal stromal tumours (TA179)  
 Pemetrexed for lung cancer (non-small cell) - first line treatment (TA181)  
 Cervical cancer (recurrent) - topotecan (TA183)  
 Lung cancer (small cell) - topotecan (TA184)  
 Soft tissue sarcoma - trabectedin (TA185)  
 Lung cancer (non-small-cell) - pemetrexed (maintenance) (TA190)  
 Gastric cancer (advanced) - capecitabine (TA191)  
 Lung cancer (non-small-cell, first line) - gefitinib (TA192)  
 Leukaemia (chronic lymphocytic, relapsed) - rituximab (TA193)  
 Gastrointestinal stromal tumours - imatinib (adjuvant) (TA196)  
 Hepatitis C - peginterferon alfa and ribavirin (TA200) (read in conjunction with TA75 & TA106)  
 Gastric cancer (HER2-positive metastatic) - trastuzumab (TA208)  
 Gastrointestinal stromal tumours (unresectable/metastatic) - imatinib (TA209) (part review of TA86)  
 Colorectal cancer (metastatic) - bevacizumab (TA212)  
 Breast cancer - bevacizumab (in combination with a taxane) (TA214) (replaces TA147)  
 Renal cell carcinoma (1<sup>st</sup> line metastatic) - pazopanib (TA215)  
 Bendamustine for the first-line treatment of chronic lymphocytic leukaemia (TA216)  
 Myelodysplastic syndrome - azacitidine (TA218)  
 Lymphoma (follicular non-Hodgkin's) - rituximab (TA226)  
 Multiple myeloma (1<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)  
 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)  
 Nivolumab for previously treated advanced renal cell carcinoma (TA417)  
 Everolimus with exemestane for treating advanced breast cancer after endocrine therapy (TA421)  
 Crizotinib for previously treated anaplastic lymphoma kinase-positive advanced non-small-cell lung cancer (TA422)  
 Eribulin for treating locally advanced or metastatic breast cancer after 2 or more chemotherapy regimens (TA423)  
 Pertuzumab for the neoadjuvant treatment of HER2-positive breast cancer (TA424)  
 Dasatinib, nilotinib and high-dose imatinib for treating imatinib-resistant or intolerant chronic myeloid leukaemia (TA425)  
 Dasatinib, nilotinib and imatinib for untreated chronic myeloid leukaemia (TA426)  
 Pomalidomide for multiple myeloma previously treated with lenalidomide and bortezomib (TA427)  
 Pembrolizumab for treating PD-L1-positive non-small-cell lung cancer after chemotherapy (TA428)  
 Everolimus for advanced renal cell carcinoma after previous treatment (TA432)  
 Cetuximab and panitumumab for previously untreated metastatic colorectal cancer (TA439)  
 Everolimus & sunitinib for treating unresectable or metastatic neuroendocrine tumours (TA449)  
 Blinatumomab for previously treated Philadelphia-chromosome-negative acute lymphoblastic leukaemia (TA450)  
 Ponatinib for treating chronic myeloid leukaemia and acute lymphoblastic leukaemia (TA451)  
 Trastuzumab emtansine for treating HER2-positive advanced breast cancer after trastuzumab and a taxane (TA458)  
 Nivolumab for treating relapsed or refractory classical Hodgkin lymphoma (TA462)  
 Cabozantinib for previously treated advanced renal cell carcinoma (TA463)  
 Cetuximab for treating recurrent or metastatic squamous cell cancer of the head and neck (replaces TA172) (TA473)  
 Sorafenib for treating advanced hepatocellular carcinoma (replaces TA189) (TA474)  
 Paclitaxel with gemcitabine for untreated metastatic pancreatic cancer (replaces TA360) (TA476)  
 Brentuximab vedotin for treating relapsed or refractory systemic anaplastic large cell lymphoma (TA478)  
 Immunosuppressive therapy for kidney transplant in adults (replaces TA85) (TA481)  
 Immunosuppressive therapy for kidney transplant in children and young people (replaces TA99) (TA482)  
 Nivolumab for previously treated squamous non-small-cell lung cancer (TA483)  
 Nivolumab for previously treated non-squamous non-small-cell lung cancer (TA484)  
 Regorafenib for previously treated unresectable or metastatic gastrointestinal stromal tumours (TA488)  
 Nivolumab for treating squamous cell carcinoma of the head and neck after platinum-based chemotherapy (TA490)  
 Ibrutinib for treating Waldenstrom's macroglobulinaemia (TA491)  
 Atezolizumab for untreated locally advanced or metastatic urothelial cancer when cisplatin is unsuitable (TA492)  
 Cladribine tablets for treating relapsing-remitting multiple sclerosis (TA493)  
 Palbociclib for previously untreated, locally advanced or metastatic breast cancer (TA495)  
 Ribociclib for previously untreated, locally advanced or metastatic breast cancer (TA496)  
 Lenvatinib with everolimus for previously treated advanced renal cell carcinoma (TA498)  
 Ceritinib for untreated ALK-positive non-small-cell lung cancer (TA500)  
 Intrabeam radiotherapy system for adjuvant treatment of early breast cancer (TA501)  
 Ibrutinib for treating relapsed or refractory mantle cell lymphoma (TA502)  
 Fulvestrant for untreated locally advanced or metastatic oestrogen-receptor positive breast cancer (TA503)  
 Pertuzumab with trastuzumab and docetaxel for treating HER2-positive breast cancer (TA509)  
 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)  
 Nivolumab for treating locally advanced unresectable or metastatic urothelial cancer (TA530)  
 Pembrolizumab for untreated PD-L1-positive metastatic non-small-cell lung cancer (TA531)  
 Ocrelizumab for treating relapsing–remitting multiple sclerosis (TA533)  
 Lenvatinib and sorafenib for treating differentiated thyroid cancer after radioactive iodine (TA535)  
 Alectinib for untreated ALK-positive advanced non-small-cell lung cancer (TA536)  
 Dinutuximab beta for treating neuroblastoma (TA538)  
 Lutetium (177Lu) oxodotreotide for treating unresectable or metastatic neuroendocrine tumours (TA539)  
 Pembrolizumab for treating relapsed or refractory classical Hodgkin lymphoma (TA540)  
 Inotuzumab ozogamicin for treating relapsed or refractory B-cell acute lymphoblastic leukaemia (TA541)  
 Cabozantinib for untreated advanced renal cell carcinoma (TA542)  
 Dabrafenib with trametinib for adjuvant treatment of resected BRAF V600 mutation-positive melanoma (TA544)  
 Gemtuzumab ozogamicin for untreated acute myeloid leukaemia (TA545)  
 Padeliporfin for untreated localised prostate cancer (TA546)  
 Vandetanib for treating medullary thyroid cancer (TA550)  
 Lenvatinib for untreated advanced hepatocellular carcinoma (TA551)  
 Liposomal cytarabine–daunorubicin for untreated acute myeloid leukaemia (TA552)  
 Pembrolizumab for adjuvant treatment of resected melanoma with high risk of recurrence (TA553)  
 Regorafenib for previously treated advanced hepatocellular carcinoma (TA555)  
 Axicabtagene ciloleucel for treating diffuse large B-cell lymphoma and primary mediastinal large B-cell lymphoma (TA559)  
 Venetoclax with rituximab for previously treated chronic lymphocytic leukaemia (TA561)  
 Encorafenib with binimetinib for unresectable or metastatic BRAF V600 mutation-positive melanoma (TA562)  
 Abemaciclib for previously untreated, locally advanced or metastatic breast cancer (TA563)  
 Pertuzumab for adjuvant treatment of HER2-positive early stage breast cancer (TA569)  
 Brigatinib for treating ALK-positive advanced non-small-cell lung cancer after crizotinib (TA571)  
 Brentuximab vedotin for treating CD30-positive cutaneous T-cell lymphoma (TA577)  
 Abemaciclib with fulvestrant for treating hormone receptor-positive, HER2-negative advanced breast cancer (TA579)  
 Enzalutamide for hormone-relapsed non-metastatic prostate cancer (TA580)  
 Atezolizumab in combination for treating metastatic non-squamous non-small-cell lung cancer (TA584)  
 Ocrelizumab for treating primary progressive multiple sclerosis (TA585)  
 Lenalidomide plus dexamethasone for multiple myeloma after 1 treatment with bortezomib (TA586)  
 Lenalidomide plus dexamethasone for previously untreated multiple myeloma (TA587)  
 Blinatumomab for treating acute lymphoblastic leukaemia in remission with minimal residual disease activity (TA589)  
 Ribociclib with fulvestrant for treating hormone receptor-positive, HER2-negative, advanced breast cancer (TA593)  
 Dacomitinib for untreated EGFR mutation-positive non-small-cell lung cancer (TA595)  
 Olaparib for maintenance treatment of BRCA mutation-positive advanced ovarian, fallopian tube or peritoneal cancer (TA598)  
 Pembrolizumab with carboplatin and paclitaxel for untreated metastatic squamous non-small-cell lung cancer (TA600)  
 Rucaparib for maintenance treatment of relapsed platinum-sensitive ovarian, fallopian tube or peritoneal cancer (TA611)  
 Neratinib for extended adjuvant treatment of hormone receptor-positive, HER2-positive early stage breast cancer (TA612)  
 Cladribine for treating relapsing–remitting multiple sclerosis (TA616)  
 Palbociclib with fulvestrant for treating hormone receptor-positive, HER2-negative, advanced breast cancer (TA619)  
 Peginterferon beta-1a for treating relapsing–remitting multiple sclerosis (TA624)  
 Lenalidomide with rituximab for previously treated follicular lymphoma (TA627)  
 Lorlatinib for previously treated ALK-positive advanced non-small-cell lung cancer (TA628)  
 Obinutuzumab with bendamustine for treating follicular lymphoma after rituximab (replacing TA472) (TA629)  
 Larotrectinib for treating NTRK fusion-positive solid tumours (TA630)  
 Trastuzumab emtansine for adjuvant treatment of HER2-positive early breast cancer (TA632)  
 Atezolizumab with carboplatin and etoposide for untreated extensive-stage small-cell lung cancer (TA638)  
 Atezolizumab for untreated PD-L1-positive, locally advanced or metastatic, triple-negative breast cancer (TA639)  
 Treosulfan with fludarabine for malignant disease before allogeneic stem cell transplant (TA640)  
 Brentuximab vedotin in combination for untreated systemic anaplastic large cell lymphoma (TA641)  
 Gilteritinib for treating relapsed or refractory acute myeloid leukaemia (TA642)  
 Entrectinib for treating ROS1-positive advanced non-small-cell lung cancer (TA643)  
 Entrectinib for treating NTRK fusion-positive solid tumours (TA644)  
 Avelumab with axitinib for untreated advanced renal cell carcinoma (TA645)  
 Polatuzumab vedotin with rituximab and bendamustine for treating relapsed or refractory diffuse large B-cell lymphoma (TA649)  
 Pembrolizumab with axitinib for untreated advanced renal cell carcinoma (TA650)  
 Osimertinib for treating EGFR T790M mutation-positive advanced non-small-cell lung cancer (replacing TA416) (TA653)  
 Osimertinib for untreated EGFR mutation-positive NSCLC (replacing TA621) (TA654)  
 Nivolumab for advanced squamous non-small-cell lung cancer after chemotherapy (TA655)  
 Carfilzomib for previously treated multiple myeloma (replacing TA457) (TA657)  
 Darolutamide with androgen deprivation therapy for treating hormone-relapsed non-metastatic prostate cancer (TA660)  
 Pembrolizumab for untreated metastatic or unresectable recurrent head and neck squamous cell carcinoma (TA661)  
 Venetoclax with obinutuzumab for untreated chronic lymphocytic leukaemia (TA663)  
 Atezolizumab with bevacizumab for treating advanced or unresectable hepatocellular carcinoma (TA666)  
 Encorafenib plus cetuximab for previously treated BRAF V600E mutation-positive metastatic colorectal cancer (TA668)  
 Brigatinib for ALK-positive advanced NSCLC that has not been previously treated with an ALK inhibitor (TA670)  
 Autologous anti-CD19-transduced CD3+ cells for treating relapsed or refractory mantle cell lymphoma (TA677)  
 Lenalidomide maintenance treatment after an autologous stem cell transplant for newly diagnosed multiple myeloma (TA680)  
 Pembrolizumab with pemetrexed for untreated, metastatic, non-squamous NSCLC (replacing TA557) (TA683)  
 Nivolumab for adjuvant treatment of completely resected melanoma (replacing TA558) (TA684)

Ribociclib with fulvestrant for treating hormone receptor-positive, HER2-negative advanced breast cancer (TA687)

Acalabrutinib for treating chronic lymphocytic leukaemia (TA689)

Avelumab for untreated metastatic Merkel cell carcinoma (TA691)

Olaparib plus bevacizumab for maintenance treatment of advanced ovarian, fallopian tube or primary peritoneal cancer (TA693)

Carfilzomib with dexamethasone and lenalidomide for previously treated multiple myeloma (TA695)

Ofatumumab for treating relapsing multiple sclerosis (TA699)

Trastuzumab deruxtecan for treating HER2-positive unresectable or metastatic breast cancer (TA704)

Atezolizumab monotherapy for untreated advanced non-small-cell lung cancer (TA705)

Nivolumab for previously treated unresectable advanced or recurrent oesophageal cancer (TA707)

Pembrolizumab for untreated metastatic colorectal cancer with high microsatellite instability or mismatch repair deficiency (TA709)

Enzalutamide for treating hormone-sensitive metastatic prostate cancer (TA712)

Nivolumab for advanced non-squamous non-small-cell lung cancer after chemotherapy (TA713)

Nivolumab with ipilimumab for previously treated metastatic colorectal cancer with ... (TA716)

Chlormethine gel for treating mycosis fungoides-type cutaneous T-cell lymphoma (TA720)

Abiraterone for treating newly diagnosed high-risk hormone-sensitive metastatic prostate cancer (TA721)

Pemigatinib for treating relapsed or refractory advanced cholangiocarcinoma with FGFR2 fusion or rearrangement (TA722)

Abemaciclib for treating hormone receptor-positive, HER2-negative advanced breast cancer (updates & replaces TA579) (TA725)

Midostaurin for treating advanced systemic mastocytosis (TA728)

Nivolumab for treating recurrent or metastatic squamous cell carcinoma of the head and neck (TA736)

Pembrolizumab for untreated advanced oesophageal & gastro-oesophageal junction cancer (TA737)

Atezolizumab for untreated PD-L1-positive advanced urothelial cancer when cisplatin is unsuitable (TA739)

Apalutamide with androgen deprivation therapy for treating high-risk hormone-relapsed non-metastatic prostate cancer (TA740)

Apalutamide with androgen deprivation therapy for treating hormone-sensitive metastatic prostate cancer (TA741)

Nivolumab for adjuvant treatment of resected oesophageal or gastro-oesophageal junction cancer (TA746)

Nintedanib for treating progressive fibrosing interstitial lung diseases (TA747)

Mogamulizumab for previously treated mycosis fungoides and Sézary syndrome (TA754)

Daratumumab in combination for untreated multiple myeloma when a stem cell transplant is suitable (TA763)

Venetoclax with azacitidine for untreated acute myeloid leukaemia when intensive chemotherapy is unsuitable (TA765)

Pembrolizumab for adjuvant treatment of completely resected stage 3 melanoma (TA766)

Ponesimod for treating relapsing–remitting multiple sclerosis (TA767)

Pembrolizumab with carboplatin and paclitaxel for untreated metastatic squamous non-small-cell lung cancer (TA770)

Pembrolizumab for relapsed or refractory classical Hodgkin lymphoma after SCT or at least 2 previous therapies (TA772)

Dostarlimab for previously treated advanced or recurrent endometrial cancer.... (TA779)

Nivolumab with ipilimumab for untreated advanced renal cell carcinoma (TA780)

Sotorasib for previously treated KRAS G12C mutation-positive advanced non-small-cell lung cancer (TA781)

Daratumumab monotherapy for treating relapsed and refractory multiple myeloma (TA783)

Niraparib for maintenance treatment of relapsed, platinum-sensitive ovarian, fallopian tube and peritoneal cancer (TA784)

Tucatinib with trastuzumab & capecitabine for treating HER2-positive advanced breast cancer.... (TA786)

Venetoclax with low dose cytarabine for untreated acute myeloid leukaemia when intensive chemotherapy is unsuitable (TA787)

Avelumab for maintenance treatment of locally advanced or metastatic urothelial cancer.... (TA788)

Tepotinib for treating advanced non-small-cell lung cancer with MET gene alterations (TA789)

Diroximel fumarate for treating relapsing–remitting multiple sclerosis (TA794)

Ibrutinib for treating Waldenstrom’s macroglobulinaemia (replacing TA491) (TA795)

Venetoclax for treating chronic lymphocytic leukaemia (replacing TA487) (TA796)

Durvalumab for maintenance treatment of unresectable NSCLC after platinum-based chemoradiation (replacing TA578) (TA798)

Pembrolizumab (plus chemo) for untreated, triple-negative, locally recurrent unresectable or metastatic breast cancer (TA801)

Cemiplimab for treating advanced cutaneous squamous cell carcinoma (updates & replaces TA592) (TA802)

Imlifidase for desensitisation treatment before kidney transplant in people with chronic kidney disease (TA809)

Abemaciclib for adjuvant treatment of hormone receptor-positive, HER2-negative, node-positive early breast cancer (TA810)

Pralsetinib for treating RET fusion-positive advanced non-small-cell lung cancer (TA812)

Asciminib for treating chronic myeloid leukaemia after 2 or more tyrosine kinase inhibitors (TA813)

Alpelisib with fulvestrant for treating hormone receptor-positive, HER2-negative, PIK3CA-mutated advanced breast cancer (TA816)

Nivolumab for adjuvant treatment of invasive urothelial cancer at high risk of recurrence (TA817)

Nivolumab with ipilimumab for untreated unresectable malignant pleural mesothelioma (TA818)

Sacituzumab govitecan for treating unresectable triple-negative advanced breast cancer after 2 or more therapies (TA819)

Avacopan for treating severe active granulomatosis with polyangiitis or microscopic polyangiitis (TA825)

Oral azacitidine for maintenance treatment of acute myeloid leukaemia after induction therapy (TA827)

Pembrolizumab for adjuvant treatment of renal cell carcinoma (TA830)

Zanubrutinib for treating Waldenstrom’s macroglobulinaemia (TA833)

Palbociclib with fulvestrant for treating hormone receptor-positive, HER2-negative advanced breast cancer (TA836)

Pembrolizumab for adjuvant treatment of resected stage 2B or 2C melanoma (TA837)

Cabozantinib for previously treated advanced hepatocellular carcinoma (TA849)

Pembrolizumab for neoadjuvant and adjuvant treatment of triple-negative early or locally advanced breast cancer (TA851)

Trifluridine–tipiracil for metastatic gastric cancer or gastro-oesophageal junction adenocarcinoma (replacing TA669) (TA852)

Mobocertinib for treating EGFR exon 20 insertion mutation-positive advanced NSCLC after platinum-based chemotherapy (TA855)

Nivolumab for untreated HER2-negative advanced gastric, gastro-oesophageal junction or oesophageal adenocarcinoma (TA857)

Lenvatinib with pembrolizumab for untreated advanced renal cell carcinoma (TA858)

Trastuzumab deruxtecan for treating HER2-positive unresectable or metastatic breast cancer (TA862)

Nintedanib for treating idiopathic pulmonary fibrosis when FVC is above 80% predicted (partially replaces TA379) (TA864)

Nivolumab for untreated unresectable advanced, recurrent, or metastatic oesophageal squamous cell carcinoma (TA865)

Regorafenib for previously treated metastatic colorectal cancer (TA866)

Ixazomib with lenalidomide & dexamethasone for treating relapsed or refractory multiple myeloma (replacing TA505) (TA870)

Axicabtagene ciloleucel for treating diffuse large B-cell lymphoma (replacing TA559) (TA872)

Polatuzumab vedotin in combination for untreated diffuse large B-cell lymphoma (TA874)

Nivolumab with chemotherapy for neoadjuvant treatment of resectable non-small-cell lung cancer (TA876)

Voclosporin with mycophenolate mofetil for treating lupus nephritis (TA882)

Olaparib for adjuvant treatment of BRCA mutation-positive HER2-negative high-risk early breast cancer after chemotherapy (TA886)

Olaparib for previously treated BRCA mutation-positive hormone-relapsed metastatic prostate cancer (TA887)

Ibrutinib with venetoclax for untreated chronic lymphocytic leukaemia (TA891)

Brexucabtagene autoleucl for treating relapsed or refractory B-cell acute lymphoblastic leukaemia... (TA893)  
 Axicabtagene ciloleucl for treating relapsed or refractory diffuse large B-cell lymphoma... (TA895)  
 Daratumumab with bortezomib and dexamethasone for previously treated multiple myeloma (updates & replaces TA573) (TA897)  
 Dabrafenib plus trametinib for treating BRAF V600 mutation-positive advanced non-small-cell lung cancer (TA898)  
 Darolutamide with androgen deprivation therapy and docetaxel for treating hormone-sensitive metastatic prostate cancer (TA903)  
 Pembrolizumab with lenvatinib for previously treated advanced or recurrent endometrial cancer (TA904)  
 Olaparib for maintenance treatment of relapsed, platinum-sensitive ovarian, fallopian tube or peritoneal cancer (TA908)  
 Selpercatinib for untreated RET fusion-positive advanced non-small-cell lung cancer (TA911)  
 Pembrolizumab For treating tumours with high microsatellite instability (MSI) or mismatch repair (MMR) deficiency (TA914)  
 Daratumumab with lenalidomide and dexamethasone for untreated multiple myeloma when a SCT is unsuitable (TA917)  
 Ruxolitinib for treating polycythaemia vera (TA921)  
 Glofitamab for treating relapsed or refractory diffuse large B-cell lymphoma after 2 or more systemic treatments (TA927)  
 Zanubrutinib for treating chronic lymphocytic leukaemia (TA931)  
 Targeted-release budesonide for treating primary IgA nephropathy (TA937)  
 Pembrolizumab for persistent, recurrent or metastatic cervical cancer (replaces TA885) (TA939)  
 Durvalumab with gemcitabine and cisplatin for treating unresectable or advanced biliary tract cancer (TA944)  
 Olaparib with bevacizumab for treatment of advanced high-grade epithelial ovarian, fallopian tube or 1ry peritoneal cancer (TA946)  
 Loncastuximab tesirine for treating relapsed or refractory DLBCL and HGBCL after 2 or more systemic treatments (TA947)  
 Ivosidenib for treating advanced cholangiocarcinoma with an IDH1 R132 mutation after 1 or more systemic treatments (TA948)  
 Belumosudil for treating chronic graft-versus-host disease after 2 or more systemic treatments in people 12 years and over (TA949)  
 Olaparib with abiraterone for untreated hormone-relapsed metastatic prostate cancer (TA951)  
 Talazoparib for treating HER2-negative advanced breast cancer with germline BRCA mutations (TA952)  
 Epcoritamab for treating relapsed or refractory diffuse large B-cell lymphoma after 2 or more systemic treatments (TA954)  
 Momelotinib for treating myelofibrosis-related splenomegaly or symptoms (TA957)  
 Daratumumab in combination for treating newly diagnosed systemic amyloid light-chain amyloidosis (TA959)  
 Olaparib for maintenance treatment of BRCA mutation-positive advanced ovarian, fallopian tube or peritoneal cancer (TA962)  
 Dostarlimab with platinum-based chemo for advanced / recurrent endometrial cancer with MSI-H or MMR deficiency (TA963)  
 Cabozantinib with nivolumab for untreated advanced renal cell carcinoma (TA964)  
 Pembrolizumab for treating relapsed or refractory classical Hodgkin lymphoma in people 3 years and over (TA967)  
 Selinexor with dexamethasone for treating relapsed or refractory multiple myeloma after 4 or more treatments (TA970)  
 Selinexor with bortezomib and dexamethasone for previously treated multiple myeloma (TA974)  
 Tisagenlecleucl for treating relapsed or refractory B-cell ALL in people 25 years and under (updates & replaces TA554) (TA975)  
 Dabrafenib for treating BRAF V600E mutation-positive glioma in children & young people aged 1 year & over (TA977)  
 Ivosidenib with azacitidine for untreated acute myeloid leukaemia with an IDH1 R132 mutation (TA979)  
 Pembrolizumab for untreated locally advanced unresectable or metastatic HER2-positive gastric or GOJ adenocarcinoma (TA983)  
 Trastuzumab deruxtecan for treating HER2-low metastatic or unresectable breast cancer after chemotherapy (TA992)  
 Relugolix for treating hormone-sensitive prostate cancer (TA995)  
 Pembrolizumab with platinum- and fluoropyrimidine-based chemo for untreated advanced HER2-negative gastric or GOJA (TA997)  
 Zanubrutinib for treating marginal zone lymphoma after anti-CD20-based treatment (TA1001)  
 Futibatinib for previously treated advanced cholangiocarcinoma with FGFR2 fusion or rearrangement (TA1005)  
 Rucaparib for maintenance treatment of relapsed platinum-sensitive ovarian, fallopian tube or peritoneal cancer (TA1007)  
 Trifluridine-tipiracil with bevacizumab for treating metastatic colorectal cancer after 2 systemic treatments (TA1008)  
 Belzutifan for treating tumours associated with von Hippel-Lindau disease (TA1011)  
 Avapritinib for treating advanced systemic mastocytosis (TA1012)  
 Quizartinib for treatment of newly diagnosed FLT3-ITD-positive acute myeloid leukaemia (TA1013)  
 Alectinib for adjuvant treatment of ALK-positive non-small-cell lung cancer (TA1014)  
 Teclistamab for treating relapsed and refractory multiple myeloma after 3 or more treatments (TA1015)  
 Pembrolizumab before surgery (neoadjuvant) then alone after surgery (adjuvant) for treating resectable NSCLC (TA1017)  
 Fedratinib for treating disease-related splenomegaly or symptoms in myelofibrosis (updates & replaces TA756) (TA1018)  
 Crizotinib for treating ROS1-positive advanced non-small-cell lung cancer (updates & replaces TA529) (TA1021)  
 Elranatamab for treating relapsed and refractory multiple myeloma after 3 or more treatments (TA1023)  
 Ublituximab for treating relapsing multiple sclerosis (TA1025)  
 Durvalumab with chemotherapy before surgery (neoadjuvant) then alone after surgery (adjuvant) for resectable NSCLC (TA1030)  
 Anhydrous sodium thiosulfate for preventing hearing loss caused by cisplatin chemotherapy (TA1034)  
 Elacestrant for treating oestrogen receptor-positive HER2-negative advanced breast cancer (TA1036)  
 Pembrolizumab for adjuvant treatment of resected non-small-cell lung cancer (TA1037)  
 Selpercatinib for advanced thyroid cancer with RET alterations after treatment with a targeted cancer drug... (TA1038)  
 Selpercatinib for advanced thyroid cancer with RET alterations untreated with a targeted cancer drug... (TA1039)  
 Olaparib for treating BRCA mutation-positive HER2-negative advanced breast cancer after chemotherapy (TA1040)  
 Durvalumab with etoposide and either carboplatin or cisplatin for untreated extensive-stage small-cell lung cancer (TA1041)  
 Selpercatinib for previously treated RET fusion-positive advanced non-small-cell lung cancer (TA1042)  
 Osimertinib for adjuvant treatment of EGFR mutation-positive non-small-cell lung cancer after complete tumour resection (TA1043)  
 Exagamglogene autotemcel for treating severe sickle cell disease in people 12 years and over (TA1044)  
 Lisocabtagene maraleucl for treating relapsed or refractory large B-cell lymphoma (TA1048)  
 Blinatumomab for consolidation treatment of Philadelphia-chromosome-negative CD19-positive B-cell ALL (TA1049)  
 Cladribine for treating active relapsing forms of multiple sclerosis (TA1053)  
 Ruxolitinib for treating acute GvHD that responds inadequately to corticosteroids in people 12 years and over (TA1054)  
 Rucaparib for treatment of advanced ovarian, fallopian tube & peritoneal cancer... (TA1055)  
 Brentuximab vedotin in combination for untreated stage 3 or 4 CD30-positive Hodgkin lymphoma (TA1059)  
 Osimertinib for untreated EGFR mutation-positive advanced NSCLC (TA1060)  
 Erdafitinib for treating unresectable or metastatic urothelial cancer with FGFR3 alterations after a PD-1 or PD-L1 inhibitor (TA1062)  
 Capivasertib for treating hormone receptor-positive HER2-negative advanced breast cancer (TA1063)  
 Dostarlimab for treating primary advanced or recurrent endometrial cancer with MSI-H or dMMR (TA1064)  
 Nivolumab plus ipilimumab for untreated unresectable or metastatic colorectal cancer with MSI-H or dMMR (TA1065)  
 Atezolizumab for adjuvant treatment of resected non-small-cell lung cancer (updates & replaces TA823) (TA1071)  
 Marstacimab for treating severe haemophilia A or B in people 12 years and over without anti-factor antibodies (TA1073)  
 Zanubrutinib for treating relapsed or refractory mantle cell lymphoma (TA1081)  
 Ribociclib for adjuvant treatment of hormone receptor-positive HER2-negative early breast cancer (TA1086)  
 Sacituzumab govitecan for treating hormone receptor-positive HER2-negative metastatic breast cancer (terminated) (TA1089)

Durvalumab with tremelimumab for untreated advanced or unresectable hepatocellular carcinoma (TA1090)  
Tarlataamab for extensive-stage small-cell lung cancer after 2 or more treatments (TA1091)  
Pembrolizumab with carboplatin and paclitaxel for untreated primary advanced or recurrent endometrial cancer (TA1092)  
Enfortumab vedotin with pembrolizumab for untreated unresectable or metastatic urothelial cancer... (TA1097)  
Isatuximab in combination for untreated multiple myeloma when a stem cell transplant is unsuitable (TA1098)  
Durvalumab for treating limited-stage small-cell lung cancer after platinum-based chemoradiotherapy (TA1099)  
Lorlatinib for ALK-positive advanced non-small-cell lung cancer that has not been treated with an ALK inhibitor (TA1103)  
Cemiplimab with platinum-based chemotherapy for untreated advanced non-small-cell lung cancer (TA1108)  
Darolutamide with androgen deprivation therapy for treating hormone-sensitive metastatic prostate cancer (TA1109)  
Abiraterone (originator & generics) for treating newly diagnosed high-risk hormone sensitive metastatic prostate cancer (TA1110)  
Glofitamab with gemcitabine and oxaliplatin for treating relapsed or refractory diffuse large B-cell lymphoma (TA1113)  
Talquetamab for treating relapsed and refractory multiple myeloma after 3 or more treatments (TA1114)  
Obecabtagene autoleucl for treating relapsed or refractory B-cell precursor acute lymphoblastic leukaemia (TA1116)  
Dostarlimab for treating primary advanced or recurrent endometrial cancer with MSS or MMRp (TA1117)  
Entrectinib for treating NTRK fusion-positive solid tumours in people 12 yr & over (terminated) (updates & replaces TA644) (TA1118)

## GMMMG Formulary

Formulary Homepage

Chapter 8: Malignant disease & immunosuppression

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

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

# 8.1 Cytotoxic drugs



## 8.1 Drugs for cytotoxic-induced side-effects

<b>Dexrazoxane</b>  infusion 	<b>RESTRICTED</b> Haematology Consultants only 
<b>Disodium folinate</b>  Sodiofolin® injection 	<b>RESTRICTED</b> Haematology Consultants only
<b>Folinic acid (as calcium folinate)</b>  tablets; injection (see also section 18.1.2) 	<b>RESTRICTED</b> Haematology Consultants only
<b>Mesna</b>  tablets; injection (see also section 18.1.2) 	<b>RESTRICTED</b> Haematology Consultants only
<b>Palifermin</b>  injection 	<b>RESTRICTED</b> Haematology Consultants only
<b>(Anhydrous) sodium thiosulfate</b>  Pedmarqsi® 80 mg/mL solution for infusion 	<b>RESTRICTED</b> Haematology Consultants only
<b>8.1.1 Alkylating drugs</b>	
<b>Busulfan</b>  infusion 	<b>RESTRICTED</b> Haematology Consultants only
<b>Bendamustine</b>  infusion 	<b>RESTRICTED</b> Haematology Consultants only MHRA Drug Safety Update (Mar-21): Bendamustine (Levact): increased risk of non-melanoma skin cancer and progressive multifocal encephalopathy (PML) MHRA Drug Safety Update (Jul-17): Bendamustine: increased mortality in recent clinical studies in off-label use; monitor for opportunistic infections, HBV reactivation
<b>Carmustine</b>  infusion 	<b>RESTRICTED</b> Haematology Consultants only
<b>Chlorambucil</b>  tablets 	<b>RESTRICTED</b> Haematology Consultants only
<b>Cyclophosphamide</b>  injection; tablets; oral suspension 	<b>RESTRICTED</b> Haematology Consultants only
<b>Ifosfamide</b>  injection 	<b>RESTRICTED</b> Haematology Consultants only
<b>Lomustine</b>  capsules 	<b>RESTRICTED</b> Haematology Consultants only
<b>Melphalan</b>  injection; tablets 	<b>RESTRICTED</b> Haematology Consultants only
<b>Treosulfan</b>  injection 	<b>RESTRICTED Adult Haematology / Paediatric Haematology / Oncology</b>

**8.1.2 Anthracyclines & other cytotoxic antibiotics**

<b>Bleomycin</b> RED									<b>RESTRICTED</b> Haematology Consultants only
injection									
<b>Daurorubicin</b> RED									<b>RESTRICTED</b> Haematology Consultants only
injection									
<b>Doxorubicin hydrochloride</b> RED ££									<b>RESTRICTED</b> Haematology Consultants only
infusion; injection									
<b>Idarubicin hydrochloride</b> RED									<b>RESTRICTED</b> Haematology Consultants only
capsules; injection									
<b>Mitomycin</b> RED									<b>RESTRICTED</b> Consultants only
injection									
<b>Mitoxantrone</b> RED									<b>RESTRICTED</b> Haematology Consultants only
infusion									
<b>Pixantrone</b> RED ££									<b>RESTRICTED</b> Haematology Consultants only
infusion									
<b>8.1.3 Antimetabolites</b>									<b>NICE CG81</b>
									<b>NICE NG151</b>
<b>Azacitidine</b> RED ££									<b>RESTRICTED</b> Haematology Consultants only
injection									
<b>Capecitabine</b> RED									
tablets									
MHRA Drug Safety Update (Oct-20): 5-fluorouracil (IV), capecitabine, tegafur: DPD testing recommended before initiation to identify patients at risk of severe & fatal toxicity									
MHRA Drug Safety Update (Dec-14): Capecitabine: risk of severe skin reactions - discontinue treatment									
<b>Cladribine</b> RED ££									<b>RESTRICTED</b> Haematology Consultants only
infusion; injection									
MHRA Drug Safety Update (Mar-22): Cladribine (Mavenciad): new advice to minimise risk of serious liver injury									
MHRA Drug Safety Update (Dec-17): Cladribine (Litak, Leustat) for leukaemia: reports of PML; stop treatment if PML is suspected									
<b>Clofarabine</b> RED ££									<b>RESTRICTED</b> Haematology Consultants only
infusion									
<b>Cytarabine</b> RED									<b>RESTRICTED</b> Haematology Consultants only
injection									
<b>Daurorubicin with cytarabine</b> RED ££									<b>RESTRICTED</b> Haematology Consultants only
Vyxeos® 100mg/44mg infusion									
<b>Fludarabine phosphate</b> RED									<b>RESTRICTED</b> Haematology Consultants only
injection; tablets									
<b>Fluorouracil</b> RED									<b>RESTRICTED</b> Haematology Consultants only
injection									
MHRA Drug Safety Update (Oct-20): 5-fluorouracil (IV), capecitabine, tegafur: DPD testing recommended before initiation to identify patients at risk of severe & fatal toxicity									
<b>Gemcitabine</b> RED									<b>RESTRICTED</b> Haematology Consultants only
infusion									
<b>Mercaptopurine</b> RED									
oral suspension; tablets (see also section 1.5.3)									
MHRA Drug Safety Update (May-25): Thiopurines and intrahepatic cholestasis of pregnancy									
<b>Methotrexate</b> RED									
infusion; injection; oral solution; tablets (see sections 1.5.3, 10.1.3 & 13.5.3)									
MHRA Drug Safety Update (Aug-23): Methotrexate: advise patients to take precautions in the sun to avoid photosensitivity reactions									
<b>Pemetrexed</b> RED ££									<b>RESTRICTED</b> Respiratory Consultants only in line with TA402
injection									

## 8.1.4 Vinca alkaloids &amp; etoposide

<b>Etoposide</b> 	 	<b>RESTRICTED</b> Haematology Consultants only
capsules; infusion		
<b>Vinblastine sulfate</b> 	 	<b>RESTRICTED</b> Haematology Consultants only
injection		
<b>Vincristine sulfate</b> 	 	<b>RESTRICTED</b> Haematology Consultants only
injection		
<b>8.1.5 Other antineoplastic drugs</b>		
<b>Acalabrutinib</b>  	     	<b>RESTRICTED</b> Haematology Consultants only
infusion		
<b>Arsenic trioxide</b>  	     	<b>RESTRICTED</b> Haem. Consultants only / in line with NICE TA526 / NHSE
infusion		
<b>Asciminib</b>  	     	<b>RESTRICTED</b> Haem. Consultants in line with NICE TA813
Scemblix® 20mg/40mg tablets		
<b>Asparaginase</b> 	  	<b>RESTRICTED</b> Haematology Consultants only
infusion		
<b>Axicabtagene ciloleucel</b>  	     	<b>RESTRICTED</b> in line with NICE TA872
Yescarta® infusion		
<b>Bevacizumab</b>  	     	<b>RESTRICTED</b> Haematology Consultants only
Avastin® 100mg in 4mL vial		
<b>Bortezomib</b>  	     	<b>RESTRICTED</b> Haematology Consultants only
injection		
<b>Brentuximab vedotin</b>  	     	<b>RESTRICTED</b> Haematology Consultants only
Adcetris infusion		
<b>Brexucabtagene autoleucel</b>  	     	<b>RESTRICTED</b> Haem. Consultants only in line with NICE / CDF
Tecartus® infusion		
<b>Cabozantinib</b>  	     	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
tablets; capsules		
<b>Carfilzomib</b>  	     	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
infusion		
<b>Ceritinib</b>  	     	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE <b>NOT STOCKED</b>
capsules		
<b>Cetuximab</b>  	     	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
infusion		
<b>Crisantaspase</b>  	 	<b>RESTRICTED</b> Haematology Consultants only
injection		
<b>Dacarbazine</b> 	 	<b>RESTRICTED</b> Haematology Consultants only
injection		
<b>Durvalumab</b>  	     	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE
infusion		
<b>Entrectinib</b>  	     	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE
injection		
<b>Eribulin</b>  	     	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
injection		

<b>Erlotinib</b>   tablets     	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE <b>NOT STOCKED</b>
<b>Everolimus</b>   tablets       	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
<b>Hydroxycarbamide</b>  capsules; tablets (see GMMM below)  	<b>RESTRICTED</b> Haematology Consultants only
<b>Hydroxycarbamide</b>  <i>Xromi</i> ® oral liquid   	<b>RESTRICTED</b> Paediatric patients with swallowing difficulties
<b>Ipilimumab</b>   infusion       	<b>RESTRICTED</b> Dermatology Consultants only in line with NICE <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jan-19): Ipilimumab (Yervoy): reports of cytomegalovirus (CMV) gastrointestinal infection or reactivation	
<b>Ivosidenib</b>   <i>Tibsovo</i> ® 250mg tablets       	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Ixazomib</b>   capsules       	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Lorlatinib</b>   <i>Lorviqua</i> ® tablets       	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE
<b>Lisocabtagene maraleucel</b>   <i>Breyanzi</i> ® infusion       	<b>RESTRICTED</b> Haem. Consultants only in line with NICE / CDF
<b>Midostaurin</b>   <i>Rydapt</i> ® capsules       	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Nintedanib esilate</b>   <i>Ofev</i> ® capsules       	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE
<b>Nintedanib esilate</b>   <i>Vargatef</i> ® capsules       	<b>RESTRICTED</b> Respiratory Consultants only in line with NICE <b>NOT STOCKED</b>
<b>Niraparib</b>   <i>Zejula</i> ® capsules       	<b>RESTRICTED</b> Gynaecology Consultants only in line with NICE <b>NOT STOCKED</b>
MHRA Drug Safety Update (Oct-20): Niraparib (Zejula ▼): reports of severe hypertension & PRES, particularly in early treatment	
<b>Obecabtagene autoleucel</b>   <i>Aucatzyl</i> ® infusion       	<b>RESTRICTED</b> Haem. Consultants only in line with NICE
<b>Panitumumab</b>   infusion       	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
<b>Panobinostat</b>   capsules     	<b>RESTRICTED</b> Haematology Consultants only in line with TA380
<b>Pegaspargase</b>   <i>Oncaspar</i> ® injection       	<b>RESTRICTED</b> Haematology Consultants only
<b>Pembrolizumab</b>   infusion       	<b>RESTRICTED</b> Specialist use only in line with NICE / NHSE
MHRA Drug Safety Update (Jul-17): Nivolumab (Opdivo ▼), pembrolizumab (Keytruda ▼): reports of organ transplant rejection	
<b>Pentostatin</b>   infusion  	<b>RESTRICTED</b> Haematology Consultants only
<b>Pertuzumab</b>   infusion       	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
<b>Procarbazine</b>   capsules  	<b>RESTRICTED</b> Haematology Consultants only

<b>Sacituzumab govitecan</b>   <i>Trodelvy</i> ® infusion      	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE <b>NOT STOCKED</b>
<b>Selinexor</b>   <i>Nexpvio</i> ® tablets      	<b>RESTRICTED</b> Specialist Consultant use only in line with NICE
<b>Sorafenib</b>   tablets      	<b>RESTRICTED</b> Haematology Consultants only in line NICE / NHSE
MHRA Drug Safety Update (Jul-20): Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection	
<b>Sotorasib</b>   <i>Lumykras</i> ® tablets      	<b>RESTRICTED</b> PulmonaryOnc Consultants only in line with NICE TA781
<b>Talimogene laherparepvec</b>   injection      	<b>RESTRICTED</b> Dermatology Consultants only in line with TA410
<b>Tisagenlecleucel</b>   <i>Kymriah</i> ® infusion      	<b>RESTRICTED</b> in line with CDF criteria and NICE TA975
<b>Trastuzumab</b>   infusion; injection      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Venetoclax</b>   <i>Venclyxto</i> ® tablets       	<b>RESTRICTED</b> Specialist use only in line with NICE / NHSE
MHRA Drug Safety Update (Dec-21): Venetoclax (Venclyxto▼): updated recommendations on tumour lysis syndrome (TLS)	
Hydroxycarbamide - Essential thrombocythaemia or polycythaemia with high risk of complications	
Hydroxycarbamide - Sickle Cell Disease	
<b>Other agents</b>	
<b>Isotretinoin</b>   capsules; liquid (20mg/mL unlicensed preparation) (see also section 13.6.2)   	<b>RESTRICTED</b> Specialist use only for management of neuroblastoma
<b>Platinum compounds</b>	
<b>Cisplatin</b>  injection  	<b>RESTRICTED</b> Haematology Consultants only
<b>Protein kinase inhibitors</b>	
<b>Abemaciclib</b>   <i>Verzenio</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jun-21): CDK4/6 inhibitors (abemaciclib▼, palbociclib▼, ribociclib▼): reports of ILD & pneumonitis, including severe cases	
<b>Alectinib</b>   <i>Alecensa</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE TA536 / TA1014
<b>Alpelisib</b>   <i>Piqray</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA816 <b>NOT STOCKED</b>
<b>Avapritinib</b>   <i>Ayvakyt</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA1012
<b>Axitinib</b>   <i>Inlyta</i> ® tablets      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
<b>Bosutinib</b>   <i>Bosulif</i> ® tablets      	<b>RESTRICTED</b> Haematology Consultants only in line with TA401
MHRA Drug Safety Update (May-16): BCR-ABL tyrosine kinase inhibitors: risk of hepatitis B reactivation	
<b>Brigatinib</b>   <i>Alunbrig</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Crizotinib</b>   <i>Xalkori</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Dabrafenib</b>   <i>Tafinlar</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE

<b>Dabrafenib</b>   <i>Finlee</i> ® dispersible tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Dacomitinib</b>   <i>Vizimpro</i> ® tablets     	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
<b>Dasatinib</b>   <i>Sprycel</i> ® tablets; powder for oral suspension      	<b>RESTRICTED</b> Haematology Consultants only
MHRA Drug Safety Update (May-16): BCR-ABL tyrosine kinase inhibitors: risk of hepatitis B reactivation	
<b>Encorafenib</b>   <i>Braftovi</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
<b>Fedratinib</b>   <i>Inrebic</i> ® capsules      	<b>RESTRICTED</b> Haematology Consultants only
<b>Gefitinib</b>   tablets     	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
<b>Gemtuzumab ozogamicin</b>   <i>Mylotarg</i> ® injection      	<b>RESTRICTED</b> Haematology Consultants only
<b>Gilteritinib fumarate</b>   <i>Xospata</i> ® tablets      	<b>RESTRICTED</b> Haematology Consultants only
<b>Ibrutinib</b>   <i>Imbruvica</i> ® capsules; tablets      	<b>RESTRICTED</b> Haem. Consultants only / also in line with NICE
MHRA Drug Safety Update (Nov-22): Imbruvica (ibrutinib): New risk minimisation measures, including dose modification recommendations MHRA Drug Safety Update (Aug-17): Ibrutinib (Imbruvica ▼): reports of ventricular tachyarrhythmia; risk of HBV B reactivation & opportunistic infections	
<b>Idelalisib</b>   <i>Zydelig</i> ® tablets     	<b>RESTRICTED</b> Specialist use only in line with NICE TA359
MHRA Drug Safety Update (Sep-16): Idelalisib (Zydelig ▼): updated indications and advice on minimising the risk of infection	
<b>Imatinib</b>   tablets      	<b>RESTRICTED</b> Haematology Consultants only
MHRA Drug Safety Update (May-16): BCR-ABL tyrosine kinase inhibitors: risk of hepatitis B reactivation	
<b>Inotuzumab ozogamicin</b>   <i>Besponsa</i> ® 1mg solution for infusion      	<b>RESTRICTED</b> Haematology Consultants only
<b>Larotrectinib sulfate</b>   <i>Vitrakvi</i> ® 20mg/mL oral solution      	<b>RESTRICTED</b> Consultants only in line with NICE
<b>Leniolisib</b>   <i>Joenja</i> ® 70mg tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE HST33 <b>NOT STOCKED</b>
<b>Lenvatinib</b>   <i>Kisplyx</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE TA498 / 858 <b>NOT STOCKED</b>
<b>Lenvatinib</b>   <i>Lenvima</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE TA535 / 551 <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jul-20): Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection	
<b>Loncastuximab tesirine</b>   <i>Zynlonta</i> ® infusion      	<b>RESTRICTED</b> Specialist use only in line with NICE TA947
<b>Mobocertinib</b>   <i>Exkvity</i> ® capsules      	<b>RESTRICTED</b> Specialist use only
<b>Momelotinib</b>   <i>Omijara</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA957
<b>Neratinib</b>   <i>Nerlynx</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA612 <b>NOT STOCKED</b>

<b>Nilotinib</b>   <i>Tasigna</i> ® capsules      	<b>RESTRICTED</b> Haematology Consultants only
MHRA Drug Safety Update (May-16): BCR-ABL tyrosine kinase inhibitors: risk of hepatitis B reactivation	
<b>Osimertinib</b>   <i>Tagrisso</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Palbociclib</b>   <i>Ibrance</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jun-21): CDK4/6 inhibitors (abemaciclib ▼, palbociclib ▼, ribociclib ▼): reports of ILD & pneumonitis, including severe cases	
<b>Ponatinib</b>   <i>Iclusig</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA451
MHRA Drug Safety Update (Jul-20): Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection MHRA Drug Safety Update (Oct-18): Ponatinib (Iclusig ▼): reports of posterior reversible encephalopathy syndrome MHRA Drug Safety Update (May-16): BCR-ABL tyrosine kinase inhibitors: risk of hepatitis B reactivation MHRA Drug Safety Update (Nov-14): Ponatinib (Iclusig ▼): risk of vascular occlusive events	
<b>Quizartinib dihydrochloride</b>   <i>Vanflyta</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA1013
<b>Regorafenib</b>   <i>Stivarga</i> ® 40mg tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA488 / TA555 <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jul-20): Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection	
<b>Ribociclib</b>   <i>Kisqali</i> ® 200mg tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jun-21): CDK4/6 inhibitors (abemaciclib ▼, palbociclib ▼, ribociclib ▼): reports of ILD & pneumonitis, including severe cases	
<b>Ruxolitinib</b>   <i>Jakavi</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE / NHSE
<b>Selpercatinib</b>   <i>Retsevmo</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Selumetinib</b>   <i>Koselugo</i> ® capsules     	<b>RESTRICTED</b> Specialist use only for NF1 in line with NICE HST20
<b>Sunitinib</b>   <i>Sutent</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
MHRA Drug Safety Update (Jul-20): Systemically administered VEGF pathway inhibitors: risk of aneurysm and artery dissection	
<b>Tepotinib</b>   <i>Tepmetko</i> ® 225mg tablets      	<b>RESTRICTED</b> Specialist use in line with NICE / NHSE
<b>Tivozanib</b>   <i>Fotivda</i> ® capsules      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
<b>Trametinib</b>   <i>Mekinist</i> ® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE TA396 <b>NOT STOCKED</b>
<b>Zanubrutinib</b>   <i>Brukinsa</i> ® 80mg hard capsules      	<b>RESTRICTED</b> Specialist use in line with NICE / NHSE TA833 / TA931 / TA1001 / TA1081
<b>Topoisomerase I inhibitors</b>	
<b>Tretinoin</b>  capsules  	<b>RESTRICTED</b> Haematology Consultants only
<b>Taxanes</b>	
<b>Paclitaxel</b>  Infusion      	<b>RESTRICTED</b> Haematology Consultants only
MHRA Drug Safety Update (Jan-22): Paclitaxel formulations (conventional and nab-paclitaxel): caution required due to potential for medication error	
<b>Cabazitaxel</b>   <i>Jevtana</i> ® Infusion      	<b>RESTRICTED</b> Haematology Consultants only

## 8.2 Drugs affecting the immune response



### 8.2.1 Antiproliferative immunosuppressants

#### Azathioprine

AMBER

tablets; oral solution; injection (see also sections 1.5.3; 10.1.3 & 13.5.3)

PbR X NICE MMC BNF emc

MHRA Drug Safety Update (May-25): Thiopurines and intrahepatic cholestasis of pregnancy

#### Mycophenolate mofetil

AMBER

capsules; tablets; oral suspension; infusion

PbR X NICE MMC BNF emc

MHRA Drug Safety Update (Feb-18): Mycophenolate mofetil, mycophenolic acid: updated contraception advice for male patients

MHRA Drug Safety Update (Dec-15): Mycophenolate mofetil, mycophenolic acid: new pregnancy-prevention advice for women and men

MHRA Drug Safety Update (Jan-15): Mycophenolate mofetil (CellCept) and mycophenolic acid: risk of hypogammaglobulinaemia and risk of bronchiectasis

#### Belatacept

RED ££

Nulojix® 25mg/mL injection

PbR X NICE MMC BNF emc

**RESTRICTED**  
Renal Transplant Consultants only  
**NOT STOCKED**

### 8.2.2 Corticosteroids & other immunosuppressants

#### Antithymocyte immunoglobulin (Rabbit)

RED ££

injection

PbR X NICE BNF emc

#### Basiliximab

RED ££

Simulect® injection

PbR X NICE MMC BNF emc MedTeq

**RESTRICTED**  
Renal Consultants only

#### Ciclosporin (Deximune®) & I.V. (Sandimmun®)

AMBER

capsules; oral solution; injection (see also sections 10.1.3 and 13.5.3)

PbR X NICE MMC BNF emc

#### Sirolimus

AMBER

oral solution; tablets (see also section 13.5.3)

PbR X NICE MMC BNF emc

**RESTRICTED**

#### Tacrolimus

AMBER

capsules; tablets; ointment; oral suspension; infusion; sachets (see also section 13.5.3)

PbR X NICE MMC BNF emc

#### Voclosporin

RED ££

capsules

PbR X NICE MMC BNF emc blue-teq

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

Immunosuppressants - e.g. ciclosporin, tacrolimus, sirolimus **AMBER** OR **RED** if no SCP

### 8.2.3 Anti-lymphocyte monoclonal antibodies

#### Alemtuzumab

RED ££

Lemtrada® infusion

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Renal Consultants only  
under Patient Access Scheme

MHRA Drug Safety Update (Feb-20): Alemtuzumab: updated restrictions & monitoring requirements following review of serious CV & immune-mediated reactions

MHRA Drug Safety Update (May-19): Alemtuzumab and serious CV & immune-mediated adverse reactions: new restrictions to use & strengthened monitoring requirements

#### Atezolizumab

RED ££

Tecentriq® infusion; solution for injection

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Specialist Consultants  
in line with NICE / NHSE

MHRA Drug Safety Update (Jun-21): Atezolizumab (Tecentriq ▼) and other immune-stimulatory anti-cancer drugs: risk of severe cutaneous adverse reactions (SCARs)

#### Avacopan

RED ££

Tavneos® capsules

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Specialist Consultants  
in line with NICE

#### Avelumab

RED ££

Bavencio® infusion

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Specialist Consultants  
in line with NICE

#### Belantamab mafodotin

RED ££

Blenrep® infusion

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Haematology  
Consultants only in line with  
NICE / NHSE

#### Blinatumomab

RED ££

Blinicyto® infusion

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Haematology  
Consultants only in line with NICE

#### Burosumab

RED ££

Crysvita® injection

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED**  
X-linked hypophosphatemia

#### Daratumumab

RED ££

Darzalex® infusion

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Haematology  
Consultants only in line with  
NICE / NHSE

MHRA Drug Safety Update (Aug-19): Daratumumab (Darzalex ▼): risk of reactivation of hepatitis B virus

#### Elranatamab

RED ££

Elrexfio® injecton

PbR X NICE MMC BNF emc blue-teq

**RESTRICTED** Haematology  
Consultants only in line with  
NICE

<b>Glofitamab</b>   Columvi® infusion      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Isatuximab</b>   infusion      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Mogamulizumab</b>   Poteligeo® infusion      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE <b>NOT STOCKED</b>
<b>Obinutuzumab</b>   Gazyvaro® infusion      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Ofatumumab</b>   Kesimpta® injection      	<b>RESTRICTED</b> Consultants only in line with NICE
MHRA Drug Safety Update (Aug-14): Ofatumumab ▼ : reminder of risk of serious and fatal infusion reactions MHRA Drug Safety Update (Jan-14): Ofatumumab: screen for hepatitis B virus before treatment	
<b>Pertuzumab</b>   Perjeta® infusion      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Polatuzumab vedotin</b>   Polivy® infusion      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Rituximab</b>   injection; infusion (see also section 10.1.3)        	<b>RESTRICTED</b> Consultants only in line with NICE / NHSE
MHRA Drug Safety Update (Dec-13): Rituximab: screen for hepatitis B virus before treatment	
<b>Talquetamab</b>   Talvey® injection      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE
<b>Teclistamab</b>   Tecvayli® injection      	<b>RESTRICTED</b> Haematology Consultants only
<b>8.2.4 Other immunomodulating drugs</b>	
<b>Interferon alfa</b>	
<b>Peginterferon alfa-2a</b>   Pegasys® injection    	<b>RESTRICTED</b> Gastro Consultants only
<b>Ropeginterferon alfa-2b</b>   Besremi® injection   	<b>RESTRICTED</b> myeloproliferative neoplasms
<b>Interferon beta</b>	
MHRA Drug Safety Update (Oct-14): Interferon-beta: risk of thrombotic microangiopathy and risk of nephrotic syndrome	
<b>Interferon beta-1a</b>   injection      	<b>RESTRICTED</b> Specialist use only in line with NICE TA527 <b>NOT STOCKED</b>
<b>Interferon beta-1b</b>   injection      	<b>RESTRICTED</b> Specialist use only in line with NICE TA527 <b>NOT STOCKED</b>
<b>BCG bladder instillation</b>	
<b>Bacillus Calmette–Guérin</b>  OncoTICE® bladder instillation  	<b>RESTRICTED</b> Specialist use only
<b>Bacillus Calmette–Guérin</b>  BCG-medac® intravesical suspension   	<b>RESTRICTED</b> Specialist use only

Other Agents		
<b>Belumosudil</b>   Rezurock® 200mg tablets	      	<b>RESTRICTED</b> Specialist use in line with NICE
<b>Canakinumab</b>   Ilaris® 150mg/mL injection	      	<b>RESTRICTED</b> Specialist use in line with NHSE 
<b>Cemiplimab</b>   Libtayo® 50mg/mL injection	      	<b>RESTRICTED</b> Specialist use in line with CDF & NICE
<b>Dimethyl fumarate</b>   Tecfidera® capsules	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA320
MHRA Drug Safety Update (Jan-21): Dimethyl fumarate (Tecfidera): updated advice on the risk of PML associated with mild lymphopenia MHRA Drug Safety Update (Apr-16): Dimethyl fumarate (Tecfidera): updated advice on risk of progressive multifocal leukoencephalopathy MHRA Drug Safety Update (Mar-15): Dimethyl fumarate (Tecfidera): fatal PML in an MS patient with severe, prolonged lymphopenia		
<b>Dinutuximab beta</b>   Qarziba® 4.5mg/mL injection	      	<b>RESTRICTED</b> Specialist use in line with CDF & NICE
<b>Diroximel fumarate</b>   Vumerity® 231mg capsules	      	<b>RESTRICTED</b> Specialist use in line with NICE TA794 <b>NOT STOCKED</b>
<b>Fingolimod hydrochloride</b>   Gilenya® capsules	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA254
MHRA Drug Safety Update (Jan-21): Fingolimod (Gilenya ▼): updated advice about the risks of serious liver injury and herpes meningoencephalitis		
<b>Glatiramer acetate</b>   injection	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA527 <b>NOT STOCKED</b>
<b>Imlifidase</b>   infusion	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA809
<b>Lenalidomide</b>   Revlimid® capsules	      	<b>RESTRICTED</b> Haematology Consultants only
MHRA Drug Safety Update (May-20): Immunomodulatory drugs and pregnancy prevention: temporary advice for management during coronavirus (COVID-19) MHRA Drug Safety Update (Jan-13): Lenalidomide (Revlimid): risk of serious hepatic adverse drug reactions		
<b>Mifamurtide</b>   Mepact® Intravenous infusion	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA235 <b>NOT STOCKED</b>
<b>Natalizumab</b>   Tysabri® infusion	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA127 <b>NOT STOCKED</b>
MHRA Drug Safety Update (Apr-16): Natalizumab (Tysabri ▼): progressive multifocal leukoencephalopathy—updated advice to support early detection		
<b>Nivolumab</b>   Opdivo® 10mg/mL infusion	      	<b>RESTRICTED</b> Specialist use only in line with NICE
MHRA Drug Safety Update (Oct-19): Nivolumab (Opdivo): reports of cytomegalovirus (CMV) gastrointestinal infection or reactivation MHRA Drug Safety Update (Jul-17): Nivolumab (Opdivo ▼), pembrolizumab (Keytruda ▼): reports of organ transplant rejection		
<b>Ocrelizumab</b>   Ocrevus® 30mg/mL infusion	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA533 / TA585
<b>Olaparib</b>   Lynparza® tablets	      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>
<b>Pomalidomide</b>   capsules	      	<b>RESTRICTED</b> Haematology only / also in line with NICE
MHRA Drug Safety Update (May-20): Immunomodulatory drugs and pregnancy prevention: temporary advice for management during coronavirus (COVID-19) MHRA Drug Safety Update (May-16): Pomalidomide (Imnovid ▼): risk of hepatitis B reactivation MHRA Drug Safety Update (May-15): Pomalidomide (Imnovid ▼): risks of cardiac failure, interstitial lung disease and hepatotoxicity		
<b>Ponesimod</b>   Ponvory® tablets	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA767 <b>NOT STOCKED</b>
<b>Rucaparib</b>   tablets	      	<b>RESTRICTED</b> Specialist use only in line with NICE TA611 <b>NOT STOCKED</b>
MHRA Drug Safety Update (Sep-22): Rucaparib (Rubraca ▼): withdrawal of third-line treatment indication		

<p><b>Teriflunomide</b>   </p> <p>tablets</p> <p>     </p>	<p><b>RESTRICTED Specialist use only in line with NICE TA303</b>  <b>NOT STOCKED</b></p>
<p><b>Thalidomide</b>   </p> <p>capsules</p> <p>    </p>	<p><b>RESTRICTED Haematology Consultants only</b></p>
<p>MHRA Drug Safety Update (May-20): Immunomodulatory drugs and pregnancy prevention: temporary advice for management during coronavirus (COVID-19)                  MHRA Drug Safety Update (Dec-15): Thalidomide: reduced starting dose in patients older than age 75 years                  MHRA Drug Safety Update (May-13): Thalidomide: risk of second primary malignancies</p>	

## 8.3 Sex hormones & hormone antagonists in malignant disease



### 8.3.1 Oestrogens

#### Diethylstilbestrol

SI

tablets

BNF emc

**RESTRICTED**  
Specialist use only

### 8.3.2 Progestogens

#### Medroxyprogesterone acetate

SI

tablets

BNF emc

**RESTRICTED**  
Specialist use only

#### Megestrol acetate

SI

tablets

BNF emc

**RESTRICTED**  
Specialist use only

### 8.3.3 Androgens

#### Testolactone

tablets

BNF emc

**RESTRICTED**  
Specialist use only

### 8.3.4 Hormone Antagonists

#### 8.3.4.1 Breast Cancer

##### Aminoglutethimide

tablets

BNF emc

NICE NG101

**RESTRICTED**  
Specialist use only

##### Anastrozole

SA

tablets

NICE MMC BNF emc

**RESTRICTED**  
Specialist use only

##### Exemestane

SA

tablets

NICE MMC BNF emc

**RESTRICTED**  
Specialist use only

##### Letrozole

SA

tablets

NICE BNF emc

**RESTRICTED**  
Specialist use only

##### Tamoxifen

SA

tablets; oral solution

NICE BNF emc

**RESTRICTED**  
Specialist use only

#### 8.3.4.2 Gonadorelin analogues & gonadotrophin-releasing hormone antagonists

##### Gonadorelin analogues

##### Buserelin acetate

injection (see also section 6.7.2)

BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

**RESTRICTED**  
Specialist use only

##### Goserelin acetate

AMBER RED

implant (also section 6.7.2)

BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

**RESTRICTED**  
Specialist use only

##### Leuprorelin acetate

AMBER RED

injection (also section 6.7.2)

MMC BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

**RESTRICTED**  
Specialist use only

##### Triptorelin acetate

AMBER RED

injection (also section 6.7.2)

MMC BNF emc

NEW RESTRICTIONS on puberty blockers - Department of Health and Social Care (29 May 2024)

**RESTRICTED**  
Specialist use only

<b>Anti-androgens</b>	
<b>Bicalutamide</b> <b>SI</b> tablets  	<b>RESTRICTED</b> Specialist use only
<b>Cyproterone acetate</b> <b>SI</b> tablets (see also section 6.4.2) MHRA Drug Safety Update (Jun-20): Cyproterone acetate: new advice to minimise risk of meningioma MHRA Drug Safety Update (Apr-20): Cyproterone acetate: restrictions in use of due to risk of meningioma  	<b>RESTRICTED</b> Specialist use only
<b>Darolutamide</b> <b>RED</b>  300mg tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Flutamide</b> <b>RED</b>  tablets  	<b>RESTRICTED</b> Specialist use only
<b>Enzalutamide</b> <b>RED</b>  tablets      	<b>RESTRICTED</b> Specialist use only <b>NOT STOCKED</b>
<b>Abiraterone acetate</b> <b>RED</b>  Zytiga® tablets      	<b>RESTRICTED</b> Specialist use only <b>NOT STOCKED</b>
<b>Gonadotrophin-releasing hormone antagonists</b>	
<b>Degarelix</b> <b>AMBER</b> Firmagon® 80mg; 120mg injection    	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Other</b>	
<b>Radium-223 dichloride</b> <b>RED</b>  Xofigo® 1,100 kBq/mL injection     	<b>RESTRICTED</b> Specialist use only in line with NICE
MHRA Drug Safety Update (Sep-18): Xofigo ▼: new restrictions on use due to increased risk of fracture and trend for increased mortality seen in clinical trial MHRA Drug Safety Update (Dec-17): ▼ Xofigo: Increased risk of death and fractures in RCT with abiraterone acetate & prednisolone/prednisone	
<b>8.3.4.3 Somatostatin analogues</b>	
<b>Lanreotide</b> <b>RED</b>  injection    	<b>RESTRICTED</b> Consultant only - acromegaly
<b>Octreotide</b> <b>RED</b>  injection (see also section 18.1.2)     	<b>RESTRICTED</b> 3 <sup>rd</sup> line use Gastro. Consultant only
<b>Lutetium (<sup>177</sup>Lu) oxodotreotide</b> <b>RED</b>  Lutathera® injection     	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>

## 8.4 Miscellaneous preparations



### Glucarpidase <sup>U</sup>

RED <sup>EE</sup>

Voraxaze® 1,000 unit injection (see also sections 1.10, 10.4, 13.14 & 18.1.2)

PbR X

MMC BNF emc

**RESTRICTED**  
2<sup>nd</sup> line rescue therapy



### Trifluridine / Tipiracil hydrochloride

RED <sup>EE</sup>

tablets

PbR X

NICE MMC BNF emc

blueiq

**RESTRICTED** Specialist use only in  
line with NICE  
**NOT STOCKED**

## Non-Formulary Items



<b>Adagrasib</b>  <i>Krazati</i> ® tablets 	Not NICE approved
<b>Belzutifan</b>  tablets 	MFT not a commissioned centre Patients referred to Christie Hospital
<b>Capivasertib</b>  <i>Truqap</i> ® 160mg; 200mg tablets 	MFT not a commissioned centre Patients referred to Christie Hospital
<b>Dostarlimab</b>  <i>Jemperli</i> ® 500mg solution for infusion 	MFT not a commissioned centre Patients referred to Christie Hospital
<b>Disodium levofolinate</b>  injection 	Not MMC approved
<b>Elacestrant</b>  <i>Korserdu</i> ® tablets 	MFT not a commissioned centre Patients referred to Christie Hospital
<b>Erdafitinib</b>  <i>Balversa</i> ® tablets 	MFT not a commissioned centre Patients referred to Christie Hospital
<b>Enfortumab vedotin</b>  <i>Padcev</i> ® solution for infusion 	MFT not a commissioned centre Patients referred to Christie Hospital
<b>Interferon alfa-2a</b>  <i>Roferon-A</i> ® injection 	DISCONTINUED Sep-19
<b>Interferon alfa-2b</b>  <i>IntronA</i> ® 	DISCONTINUED Dec-18
<b>Ofatumumab</b>  <i>Arzerra</i> ® injection 	DISCONTINUED Feb-19
<b>Peginterferon alfa-2b</b>  <i>ViraferonPeg</i> ® 	DISCONTINUED Dec-16
<b>Tarlatamab</b>  <i>Imdylltra</i> ® 1mg; 10mg solution for infusion 	Not NICE approved
<b>Tislelizumab</b>  <i>Tevimbra</i> ® 100mg solution for infusion 	Not NICE approved
<b>Ublituximab</b>  <i>Briumvi</i> ® infusion 	MFT not a commissioned centre Patients referred to NCA
<b>Zolbetuximab</b>  <i>Vyloy</i> ® infusion 	Not NICE approved

## Section 9: Nutrition & blood

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



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- 9.1.1 Iron deficiency anaemias
- 9.1.2 Drugs used in megaoblastic anaemias
- 9.1.3 Drugs used in hypoplastic, haemolytic & renal anaemias
- 9.1.4 Drugs used in autoimmune thrombocytopenic purpura
- 9.1.6 Drugs used in neutropenia
- 9.1.7 Drugs used to mobilise stem cells
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- 9.8.1 Drugs used in metabolic disorders
- 9.8.2 Acute porphyrias

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Preventing recurrent hypomagnesaemia: oral magnesium glycerophosphate (ESUOM4)  
 Nutrition support in adults (CG32)  
 Coeliac disease: recognition, assessment and management (NG20)  
 Chronic kidney disease: assessment and management (NG203)  
 Eculizumab for treating atypical haemolytic uraemic syndrome (HST1)  
 Migalastat for treating Fabry disease (HST4)  
 Eliglustat for treating type 1 Gaucher disease (HST5)  
 Cerliponase alfa for treating neuronal ceroid lipofuscinosis type 2 (HST12)  
 Elosulfase alfa for treating mucopolysaccharidosis type 4A (HST19)  
 Asfotase alfa for treating paediatric-onset hypophosphatasia (replacing HST6) (HST23)  
 Lumasiran for treating primary hyperoxaluria type 1 (HST25)  
 Hyperparathyroidsism - cinacalcet (TA117)  
 Thrombocytopenic purpura - romiplostim (TA221)  
 Thrombocytopenic purpura - eltrombopag (TA293)  
 Erythropoiesis-stimulating agents (epoetin & darbepoetin) for treating anaemia in chemotherapy (TA323)  
 Etelcalcetide for treating secondary hyperparathyroidism (TA448)  
 Sodium zirconium cyclosilicate for treating hyperkalaemia (TA599)  
 Lusutrombopag for treating thrombocytopenia in people with chronic liver disease needing a planned invasive procedure (TA617)  
 Patromer for treating hyperkalaemia (TA623)  
 Avatrombopag for treating thrombocytopenia in people with chronic liver disease needing a planned invasive procedure (TA626)  
 Caplacizumab for treating acute acquired thrombotic thrombocytopenic purpura (TA667)  
 Ravulizumab for treating paroxysmal nocturnal haemoglobinuria (TA698)  
 Ravulizumab for treating atypical haemolytic uraemic syndrome (TA710)  
 Sapropterin for treating hyperphenylalaninaemia in phenylketonuria (TA729)  
 Pegcetacoplan for treating paroxysmal nocturnal haemoglobinuria (TA778)  
 Roxadustat for treating symptomatic anaemia in chronic kidney disease (TA807)  
 Avalglucosidase alfa for treating Pompe disease (TA821)  
 Fostamatinib for treating refractory chronic immune thrombocytopenia (TA835)  
 Avatrombopag for treating primary chronic immune thrombocytopenia (TA853)  
 Cipaglucosidase alfa with miglustat for treating late-onset Pompe disease (TA912)  
 Etranacogene dezaparvovec for treating moderately severe or severe haemophilia B (TA989)  
 Iptacopan for treating paroxysmal nocturnal haemoglobinuria (TA1000)  
 Exagamglogene autotemcel for treating transfusion-dependent beta-thalassaemia in people 12 years and over (TA1003)  
 Danicopan with ravulizumab or eculizumab for treating paroxysmal nocturnal haemoglobinuria (TA1010)  
 Crovalimab for treating paroxysmal nocturnal haemoglobinuria in people 12 years and over (TA1019)  
 Vadadustat for treating symptomatic anaemia in adults having dialysis for chronic kidney disease (TA1035)

## GMMMG Formulary

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

# 9.1 Anaemias and some other blood disorders



## 9.1.1 Iron deficiency anaemias

### 9.1.1.1 Oral iron

<b>Ferrous sulfate</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> tablets	 	<b>1<sup>st</sup> line use</b> <b>STANDARD PREPARATIONS ONLY</b>
<b>Ferrous fumarate</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> tablets; oral solution	 	
<b>Ferric maltol</b> <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> capsules	  	
<b>Sodium feredetate</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> oral solution	 	<b>LIQUID PREPARATIONS ONLY</b>

### Iron & folic acid

<b>Ferrous sulfate</b> <span style="border: 1px solid black; padding: 2px;">(DNP)</span> M/R tablets	 	
<b>Ferrous fumarate</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> capsules; tablets	 	

### 9.1.1.2 Parenteral iron

<b>Ferric carboxymaltose</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> Ferinject® injection MHRA Drug Safety Update (Nov-20): Ferric carboxymaltose (Ferinject▼): risk of symptomatic hypophosphataemia leading to osteomalacia and fractures	  	<b>RESTRICTED</b>
<b>Ferric derisomaltose</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> Monofer® injection MHRA: Monofer and Diafer name change (Nov-20) MHRA Drug Safety Update (Sep-13): Intravenous iron and serious hypersensitivity reactions	  	<b>RESTRICTED</b>
<b>Iron sucrose</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> Venofer® 100mg/5mL injection	  	<b>RESTRICTED</b>

### 9.1.2 Drugs used in megaloblastic anaemias

MHRA Drug Safety Update (Dec-23): Vitamin B12 (hydroxocobalamin, cyanocobalamin): advise patients with known cobalt allergy to be vigilant for sensitivity reactions		
<b>Hydroxocobalamin</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> Intramuscular injection; sachets	  	<b>1<sup>st</sup> line use</b>
<b>Cyanocobalamin</b> <span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> 50microgram; 1mg tablets	  	<b>See BSH guidance</b> 

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

MHRA Drug Safety Update (Jan-18): Recombinant human erythropoietins: very rare risk of severe cutaneous adverse reactions (SCARs)		
<b>Darbepoetin alfa</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> injection	    	<b>RESTRICTED</b> Renal Consultants only
<b>Epoetin alfa</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> injection	   	<b>RESTRICTED</b> Renal Consultants only
<b>Epoetin beta</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> injection	   	<b>RESTRICTED</b> Renal Consultants only
MHRA Drug Safety Update (May-15): Epoetin beta (NeoRecormon): increased risk of retinopathy in preterm infants cannot be excluded		

### Sickle cell disease

<b>Hydroxycarbamide</b> <span style="background-color: orange; color: white; padding: 2px;">AMBER</span> oral solution; capsules	   	<b>RESTRICTED</b> Haematology Consultants only
<b>Exagamglogene autotemcel</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px;">££</span> Casgevy® infusion (see also "Iron overload" below)	     	<b>RESTRICTED</b> Haematology Consultants only in line with NICE / NHSE

<b>Iron overload</b>		
<b>Deferasirox</b>   tablets    	<b>RESTRICTED</b> Haematology Consultants only	
<b>Deferiprone</b>   tablets    	<b>RESTRICTED</b> Haematology Consultants only	
<b>Desferrioxamine mesilate</b>   injection (see also section 18.1.2)   	<b>RESTRICTED</b> Haematology Consultants only	
<b>Exagamglogene autotemcel</b>   Casgevy® infusion (see also "Sickle cell disease" above)      	<b>RESTRICTED</b> Haematology Consultants only in line with NICE / NHSE	
<b>Hypoxia-inducible factor, prolyl hydroxylase inhibitor (HIF-PHI)</b>		
<b>Roxadustat</b>   Evrenzo® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE	
<b>Vadadustat</b>   Vafseo® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE	
<b>Paroxysmal nocturnal haemoglobinuria &amp; atypical haemolytic uraemic syndrome</b>		
<b>Eculizumab</b>   Soliris® 300mg/30mL infusion       	<b>RESTRICTED</b> Haematology Consultants only	
<b>Eculizumab</b>   Bekemv® 300mg/30mL infusion       	<b>RESTRICTED</b> Haem Consultants only - new patients	
<b>Eculizumab</b>   Epysqli® 300mg/30mL infusion       	<b>RESTRICTED</b> Haem Consultants only new patients < 2years old & patients with HFI	
<b>Ravulizumab</b>   infusion      	<b>RESTRICTED</b> Specialist use only in line with NICE	
<b>9.1.4 Drugs used in autoimmune thrombocytopenic purpura</b>		
<b>Anagrelide</b>  capsules   	<b>RESTRICTED</b> Haematology Consultants only	
<b>Avatrombopag</b>   Doptelet® tablets      	<b>RESTRICTED</b> Specialist use only in line with NICE	
<b>Caplacizumab</b>   Cablivi® injection      	<b>RESTRICTED</b> Specialist use only in line with NICE <b>NOT STOCKED</b>	
<b>Eltrombopag</b>   Revolade® tablets      	<b>RESTRICTED</b> Haematology Consultants only	
MHRA Drug Safety Update (Jul-18): Eltrombopag (Revolade): reports of interference with bilirubin and creatinine test results		
<b>Fostatinib</b>   Tavlesse® tablets      	<b>RESTRICTED</b> Specialist use only	
<b>Lusutrombopag</b>   Mupleo® tablets      	<b>RESTRICTED</b> Specialist use only	
<b>Romiplostim</b>   Nplate® injection      	<b>RESTRICTED</b> Haematology Consultants only	

**9.1.6 Drugs used in neutropenia**

<b>Filgrastim</b> 		<b>RESTRICTED</b> Haematology Consultants only
injection	   	
MHRA Drug Safety Update (Sep-13): Filgrastim and pegfilgrastim: risk of capillary leak syndrome		
<b>Lenograstim</b> 		<b>RESTRICTED</b> Haematology Consultants only
injection	  	
MHRA Drug Safety Update (Sep-13): Filgrastim and pegfilgrastim: risk of capillary leak syndrome		
<b>Pegfilgrastim</b> 		<b>RESTRICTED</b> Haematology Consultants only
injection	   	
MHRA Drug Safety Update (Sep-13): Filgrastim and pegfilgrastim: risk of capillary leak syndrome		

**9.1.7 Drugs used to mobilise stem cells**

<b>Plerixafor</b>  		<b>RESTRICTED - initiation on advice of Haematology Consultant only</b> 
injection	    	

**9.1.8 Haemophilia**

<b>Efmoroctocog alfa</b>  		<b>RESTRICTED</b> Haematology Consultants only in line with NICE / NHSE
Elocta® injection	     	
<b>Etranacogene dezaparvovec</b>  		<b>RESTRICTED</b> Haematology Consultants only in line with NICE / NHSE
Hemgenix® infusion	    	

## 9.2 Fluids and electrolytes



### 9.2.1 Oral preparations for fluid & electrolyte imbalance

#### 9.2.1.1 Oral potassium

##### Potassium chloride

GREEN SA

Sando-K® effervescent tablets; oral solution



#### Potassium removal

##### Calcium polystyrene sulfonate

GREEN

Calcium Resonium® powder; enema (unlicensed)



##### Sodium zirconium cyclosilicate

AMBER

Lokelma® powder sachets



#### 9.2.1.2 Oral sodium and water

##### Sodium chloride (Slow Sodium®)

GREEN

600mg M/R tablets



#### Oral Rehydration Therapy (ORT)

##### Oral Rehydration Salts (ORS)

GREEN OTC

oral powder



#### 9.2.1.3 Oral bicarbonate

##### Sodium bicarbonate

500mg capsules; 8.4% (1mmol/mL) oral solution



##### Sodium hydrogen carbonate

NR

Nephrotrans® 50mg gastro-resistant capsules



**RESTRICTED**  
2<sup>nd</sup> line patients with severe GI side effects

### 9.2.2 Parenteral preparations for fluid & electrolyte imbalance

#### 9.2.2.1 Electrolytes & water

##### Intravenous sodium

##### Sodium chloride

infusion; injection



##### Sodium chloride with other ingredients

##### Sodium chloride & glucose

infusion



##### Sodium chloride, calcium chloride & potassium chloride (Ringer's solution)

infusion



##### Sodium chloride, calcium chloride, potassium chloride & sodium lactate

infusion



##### Intravenous glucose

##### Glucose

infusion



MHRA Drug Safety Update (May-23): Glucose solutions: recommendations to minimise the risks associated with the accidental use instead of saline solutions in arterial lines

MHRA Drug Safety Update (Jul-12): Glucose solutions: false blood glucose readings when used to flush arterial lines

##### Intravenous potassium

##### Potassium chloride and glucose

infusion



##### Potassium chloride and sodium chloride

infusion



##### Potassium chloride, sodium chloride & glucose

infusion



<b>Bicarbonate and lactate</b>		
<b>Sodium bicarbonate</b>		
1.26%, 2.74%, 4.2% & 8.4% injection; infusion	 	
<b>Sodium lactate compound</b>		
(Hartmann's solution) infusion	 	
<b>Trometamol</b>		
<b>Trometamol (THAM)</b> 		<b>RESTRICTED neonatal metabolic acidosis with hypernatraemia</b>
 7% injection	<b>MMC</b>	
<b>Water</b>		
<b>Water for Injections</b>		
injection		
<b>9.2.2.2 Plasma &amp; plasma substitutes</b>		
<b>Dextran</b>		
Dextran 40 - 10% in sodium chloride 0.9% infusion		
<b>Dextrose Acid Citrate ACDA</b>		
solution		
<b>Gelatin</b>		
Gelofusine® infusion	 	

## 9.3 Intravenous nutrition



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

**NICE CG32**

## 9.4 Oral nutrition



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

**NICE CG32**

### 9.4.1 Nutrition in special diets

#### Sapropterin dihydrochloride



Kuvan® 100mg soluble tablets



**RESTRICTED**  
Tetrahydrobiopterin deficiency



#### LaBiNIC® probiotic drops

LaBiNIC® probiotic drops



**RESTRICTED**  
prevention of NEC

# 9.5 Minerals



## 9.5.1 Calcium and magnesium

### 9.5.1.1 Calcium supplements

#### Oral preparations

##### Calcium carbonate

GREEN SA

Cacit® effervescent tablets; Calcichew® chewable tablets (see also section 9.5.2.2)



##### Calcium carbonate & calcium lactate gluconate

GREEN SA

Calvive® 1000 effervescent tablets



#### Parenteral preparations

##### Calcium gluconate

RED

10% injection



MHRA Drug Safety Update (Jun-23): Calcium chloride, calcium gluconate: potential risk of underdosing with calcium gluconate in severe hyperkalaemia

##### Calcium chloride

10% injection



MHRA Drug Safety Update (Jun-23): Calcium chloride, calcium gluconate: potential risk of underdosing with calcium gluconate in severe hyperkalaemia

#### with vitamin D

see section 9.6.4



#### with risedronate sodium & colecalciferol

see section 6.6.2



### 9.5.1.2 Hypercalcaemia & hypercalciuria

##### Cinacalcet

AMBER RED

30mg, 60mg, 90mg tablets



**RESTRICTED**  
as per NICE TA117

##### Cinacalcet

RED

5mg/5mL; 12.5mg/5mL oral suspension



**RESTRICTED**  
Paediatric CKD patients

##### Etelcalcetide hydrochloride

Parsabiv® 2.5mg/0.5mL; 5mg/1mL; 10mg/2mL injection



**RESTRICTED**  
as per NICE TA448

### 9.5.1.3 Magnesium

##### Magnesium aspartate dihydrate

GREEN SA

Magnaspartate® sachets



**NICE ESUOM4**

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

##### Magnesium glycerophosphate

GREEN SA

chewable tablets; capsules; oral solution; tablets



##### Magnesium sulfate

GREEN SA

injection; infusion



MHRA Drug Safety Update (May-19): Magnesium sulfate: risk of skeletal adverse effects in the neonate following prolonged or repeated use in pregnancy

### 9.5.2 Phosphorus

#### 9.5.2.1 Phosphate supplements

##### Phosphate supplements (Phosphate-Sandoz®)

GREEN SA

effervescent tablets



**Effervescent tabs**

##### Phosphates (Polyfusor®)

RED

infusion



**I.V. preparation**

#### 9.5.2.2 Phosphate-binding agents

##### Aluminium hydroxide

SI

capsules



##### Calcium carbonate

SI

tablets (see also section 9.5.1.1)



##### Calcium acetate

SI

tablets



<p><b>Calcium acetate with magnesium carbonate</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>Osvaren® 435mg/235mg tablets</p> <p style="text-align: right;"><b>MMC</b> <b>BNF</b> <b>emc</b>®</p>	<p><b>RESTRICTED</b> Renal Consultants only</p>
<p><b>Lanthanum</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span> <span style="background-color: red; color: white; padding: 2px;">RED</span></p> <p>chewable tablets; oral powder ( <span style="background-color: red; color: white; padding: 2px;">RED</span> dialysis; <span style="background-color: green; color: white; padding: 2px;">SI</span> non-dialysis)</p> <p style="text-align: right;"><b>MMC</b> <b>BNF</b> <b>emc</b>®</p>	<p><b>RESTRICTED</b> Renal Consultants only</p>
<p><b>Patiromer calcium</b>  <span style="background-color: orange; color: white; padding: 2px;">AMBER</span></p> <p>Veltassa® oral powder</p> <p style="text-align: right;"><span style="background-color: purple; color: white; padding: 2px;">NICE</span> <b>MMC</b> <b>BNF</b> <b>emc</b>®</p>	<p><b>RESTRICTED</b> Consultants only in line with NICE TA623</p>
<p><b>Sevelamer carbonate</b>  <span style="background-color: green; color: white; padding: 2px;">SI</span></p> <p>Renvela® 800mg tablets; 2.4g; 0.8g sachets</p> <p style="text-align: right;"><span style="background-color: grey; color: white; padding: 2px;">PbR X</span> <span style="background-color: purple; color: white; padding: 2px;">NICE</span> <b>MMC</b> <b>BNF</b> <b>emc</b>®</p>	<p><b>RESTRICTED</b> Renal Consultants only</p>
<p><b>Sucroferric oxyhydroxide</b>  <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="background-color: blue; color: white; padding: 2px; border-radius: 50%; padding: 2px;">££</span></p> <p>chewable tablets</p> <p style="text-align: right;"><b>MMC</b> <b>BNF</b> <b>emc</b>®</p>	<p><b>RESTRICTED</b> Renal Consultants only - 3<sup>rd</sup> line</p>
<p><b>9.5.3 Fluoride</b></p>	
<p><b>Sodium fluoride</b></p> <p>tablets, paediatric drops, dental rinse</p> <p style="text-align: right;"><span style="background-color: purple; color: white; padding: 2px;">NICE</span> <b>BNF</b> <b>emc</b>®</p>	
<p><b>9.5.4 Zinc</b></p>	
<p><b>Zinc sulfate</b></p> <p>Solvazinc® 125mg effervescent tabs; Zincomed® 220mg capsules</p> <p style="text-align: right;"><span style="background-color: purple; color: white; padding: 2px;">NICE</span> <b>BNF</b> <b>emc</b>®</p>	

## 9.6 Vitamins



### 9.6.1 Vitamin A

#### Vitamin A

150,000units/mL drops



#### Vitamin A palmitate

100,000units/2mL injection



#### Vitamins A & D

capsules



### 9.6.2 Vitamin B group

#### Pyridoxine hydrochloride

SA

tablets



#### Thiamine

GREEN

tablets



#### Vitamin B compound



#### Vitamin B compound Strong

GREY SI

tablets



#### Vitamins B & C

Pabrinex® Intramuscular (IM) & Intravenous (IV) injection



### 9.6.3 Vitamin C (ascorbic acid)

#### Ascorbic acid

tablets



### 9.6.4 Vitamin D

#### Alfacalcidol

SI

capsules; injection; oral drops



#### Calcitriol

SI

capsules; oral solution



#### Ergocalciferol

RED

Sterogyl® 600,000 IU / 1.5mL ampoule



#### Vitamin D and calcium

#### Colecalciferol

Calcichew D3® Forte tablets / Adcal D3® chewable tablets



1<sup>st</sup> line use

#### Calcium & Ergocalciferol

calcium 97mg/vitamin D 400units



#### Colecalciferol with calcium carbonate

Cacit® D3 effervescent granules; 800 IU capsules



### 9.6.5 Vitamin E (tocopherols)

#### Alpha tocopheryl acetate (Vitamin E)

NR

500mg/5mL liquid



#### Alpha tocopheryl acetate (Vitamin E)

75 unit capsules



9.6.6 Vitamin K		
<b>Phytomenadione</b> <b>GREEN</b> Konakion® MM & Konakion® MM Paediatric injection (see also section 18.1.2)	  	
<b>Menadiol sodium phosphate</b> <b>GREEN</b> oral solution; tablets	  	
9.6.7 Multivitamin preparations		
<b>Vitamins B,C</b> Renavit® tablets	  	<b>RESTRICTED</b>
<b>Vitamins A,D,E,K</b> <b>GREY</b> <b>SI</b> Paravit®-CF and Paravit®-Mod capsules; liquid	  	<b>RESTRICTED</b> <b>Paediatric CF patients</b>

## 9.7 Bitters & tonics



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

## 9.8 Metabolic disorders



### 9.8.1 Drugs used in metabolic disorders

#### Serine deficiency

##### L-Serine

(Nutricia L-Serine) powder

MMC

emc

**RESTRICTED**  
Specialist use only

#### Wilson's Disease

##### Penicillamine

AMBER

tablets (see also sections 10.1.3 and 18.1.1)

BNF emc

##### Trientine dihydrochloride

RED

capsules

PbR X

MMC

BNF blueiq emc

3<sup>rd</sup> line use

NHS  
England

#### Carnitine Deficiency

##### Levocarnitine

RED

injection; oral solution (see also section 18.1.2)

PbR X

BNF emc

**RESTRICTED**  
Specialist use only

#### Fabry's disease

##### Agalsidase alfa

RED

Replagal® infusion

PbR X

MMC

BNF emc

**RESTRICTED**  
Specialist use only  
**NOT STOCKED**

##### MigALAstat

RED

Galafold® capsules

PbR X

NICE

MMC

BNF emc

**RESTRICTED**  
Specialist use only (NICE HST4)

#### Mucopolysaccharidosis

##### Elosulfase alfa

RED

Vimizim® infusion

PbR X

NICE

MMC

BNF blueiq emc

**RESTRICTED**  
Specialist use only (NICE HST19)

##### Galsulfase

RED

Naglazyme® infusion

PbR X

MMC

BNF emc

**RESTRICTED**  
Specialist use only  
**NOT STOCKED**

##### Idursulfase

RED

Elaprase® infusion

PbR X

MMC

BNF emc

**RESTRICTED**  
Specialist use only

##### Laronidase

RED

Aldurazyme® infusion

PbR X

MMC

BNF emc

**RESTRICTED**  
Specialist use only  
**NOT STOCKED**

##### Vestronidase alfa

RED

Mepsevii® infusion

PbR X

MMC

BNF blueiq emc

**RESTRICTED**  
Specialist use only

NHS  
England

#### Nephropathic cystinosis

##### Cystagon® (Mercaptamine)

RED

capsules (NB: prescribe as CYSTAGON®)

PbR X

BNF emc

**RESTRICTED**  
Specialist use only

#### Pompe disease

##### Avalglucosidase alfa

RED

Nexviadyme® infusion

PbR X

NICE

MMC

BNF blueiq emc

**RESTRICTED**  
Specialist use only (NICE TA821)

#### Tyrosinaemia type I

##### Nitisinone

RED

capsules; oral suspension

PbR X

MMC

BNF emc

**RESTRICTED**  
Specialist use only

<b>Urea cycle disorders</b>		<b>BIMDG</b>
<b>Arginine</b> RED		<b>RESTRICTED</b> Specialist use only
infusion; oral solution	PbR X MMC  emc	
<b>Carglumic acid</b> RED ££		<b>RESTRICTED</b> Specialist use only
dispersible tablets	PbR X MMC  BNF emc	
<b>Citrulline</b> RED		<b>RESTRICTED</b> Specialist use only
powder	PbR X MMC  emc	
<b>Glycerol phenylbutyrate</b> RED		<b>RESTRICTED</b> Specialist use only
Ravicti® 1.1g/mL oral liquid	PbR X MMC  BNF emc	
<b>Sodium phenylbutyrate</b> RED		<b>RESTRICTED</b> Specialist use only
tablets; injection; oral liquid; granules (discontinued)	PbR X MMC  BNF emc	
<b>Homocystinuria</b>		<b>BIMDG</b>
<b>Betaine</b> RED ££		<b>RESTRICTED</b> Specialist use only
tablets; oral powder	PbR X  BNF emc	
<b>Sodium benzoate</b> RED ££		<b>RESTRICTED</b> Specialist use only
injection; oral solution; tablets; powder	PbR X  BNF emc	
<b>Uridine</b> RED ££		<b>RESTRICTED</b> Specialist use only
	MMC emc	
<b>Other metabolic disorders</b>		
<b>Asfotase alfa</b> RED ££		<b>RESTRICTED</b> Specialist use only (NICE HST23)
Strensiq® injection	PbR X NICE MMC  BNF  emc	
<b>Cerliponase alfa</b> RED ££		<b>RESTRICTED</b> Specialist use only (NICE HST12)
Brineura® 150mg solution for infusion	PbR X NICE MMC  emc	
<b>Eliglustat</b> RED ££		<b>RESTRICTED</b> Specialist use only (NICE HST5)
Cerdelga® 84mg capsules	PbR X NICE MMC  BNF  emc	
<b>Lumasiran</b> RED ££		<b>RESTRICTED</b> Specialist use only (NICE HST25)
Oxlumo® injection	PbR X NICE MMC  BNF  emc	
<b>MigLustat</b> RED ££		<b>RESTRICTED</b> Specialist use only
100mg capsules	PbR X MMC  BNF emc	
<b>Sebelipase alfa</b> RED ££		<b>RESTRICTED</b> Specialist use only (NICE HST30)
Kanuma® 2mg/mL solution for infusion	PbR X NICE MMC  BNF  emc	
<b>Sodium dichloroacetate</b> Ⓢ RED ££		<b>RESTRICTED</b> Specialist use only Primary lactic acidosis / PDHC deficiency
50 mg/mL powder for reconstitution for oral solution (200 mL)	PbR X NICE MMC  BNF emc	
<b>Sodium D,L-3-hydroxybutyrate</b> Ⓢ RED		<b>RESTRICTED</b> Specialist use only (MADD) Multiple acyl-CoA dehydrogenase deficiency
powder	PbR X MMC	
<b>Velaglucerase alfa</b> RED ££		<b>RESTRICTED</b> Specialist use only
VPRIV® 400 units vial	PbR X MMC  BNF emc	
<b>9.8.2 Acute porphyrias</b>		
<b>Haem Arginate</b> RED ££		
infusion	PbR X  BNF emc	

Non-Formulary Items		GMMMG
<b>Artificial saliva</b> (DNP) BioXtra® oral gel; mouthspray  		in line with GMMMG Criterion 1
<b>Calcium 500mg / colecalciferol 400 units</b> (DNP)		in line with GMMMG Criterion 1
<b>Cipaglucosidase alfa</b> RED  Pombiliti® infusion     		MFT not a commissioned centre Patients referred to NCA
<b>Crizanlizumab</b> Adakveo® 10mg/mL injection    		MA Withdrawn January 2024 MHRA Class 2 Medicines Recall: Novartis Pharmaceuticals UK Limited, Adakveo 10 mg/ml concentrate for solution for infusion, EL(24)A/06
<b>Crovalimab</b> RED  PlaSky® infusion     		MFT not a commissioned centre Patients referred to Leeds
<b>Danicopan</b> RED  Voydeya® tablets     		MFT not a commissioned centre Patients referred to Leeds
<b>Fluoride (mouthwashes and toothpastes) for prevention of dental caries</b> (DNP)  		in line with GMMMG / NHSE
<b>Fosdenopterin</b> RED  Nulibry® 9.5mg powder for solution for injection.    		Not recommended by NICE for molybdenum cofactor deficiency type A
<b>Herbal medicines and other natural products</b> (DNP)		in line with GMMMG Criterion 3
<b>Homeopathic medicines</b> (DNP)		in line with GMMMG Criterion 3
<b>Iptacopan hydrochloride monohydrate</b> RED  Fabhalta® 200mg hard capsules     		MFT not a commissioned centre Patients referred to Leeds
<b>Multivitamins and mineral preparations for AMD</b> (DNP) ICaps®, Occuvite®, PreserVision®, Viteyes®, Visionace®, Vitalux-plus®   		in line with GMMMG Criterion 1
<b>Olipudase alfa</b> RED  Xenpozyme® 20mg solution for infusion     		Rejected in line with NICE HST32
<b>Oral iron (modified-release preparations)</b> (DNP)		in line with GMMMG Criterion 1
<b>Pegcetacoplan</b> RED  Aspaveli® 1080mg injection     		MFT not a commissioned centre Patients referred to Leeds
<b>Potassium chloride</b> Kay-Cee-L® 375mg/5mL syrup  		Discontinued Nov-24 
<b>Sodium fluoride</b> (DNP) Mouthwashes; toothpastes    		in line with GMMMG
<b>Spatone</b> (DNP) Iron-rich spa water from the mountains of Snowdonia		in line with GMMMG Criterion 1
<b>Vitamins, minerals and antioxidants</b> (DNP) When used in patients with no clinical indication for use		in line with GMMMG Criterion 3
<b>Voxelotor</b> Oxbryta® 500mg tablets      		MA Withdrawn September 2024

## 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 neuromuscular disorders

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

- 10.3.1 Enzymes
- 10.3.2 Rubefacients & other topical antirheumatics

### 10.4 Miscellaneous preparations

#### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Biosimilar Medicines (KTT15)  
 Rheumatoid arthritis in adults: management (NG100)  
 Osteoarthritis in over 16s: diagnosis and management (NG226)  
 Onasemnogene abeparvovec for treating spinal muscular atrophy (HST15)  
 Atidarsagene autotemcel for treating metachromatic leukodystrophy (HST18)  
 Ataluren for treating Duchenne muscular dystrophy with a nonsense mutation in the dystrophin gene (replacing HST3) (HST22)  
 Onasemnogene abeparvovec for treating presymptomatic spinal muscular atrophy (partial update of HST15) (HST24)  
 Hyperuricaemia - febuxostat (TA164)  
 Psoriasis - ustekinumab (TA180)  
 Rheumatoid arthritis - drugs for treatment after failure of a TNF inhibitor (TA195)  
 Psoriatic arthritis - etanercept, infliximab and adalimumab (TA199)  
 Psoriatic arthritis - golimumab (TA220)  
 Rheumatoid arthritis (after the failure of previous DMARDs) - golimumab (TA225)  
 Arthritis (juvenile idiopathic, systemic) - tocilizumab (TA238)  
 Rheumatoid arthritis - tocilizumab (rapid review TA198) (TA247)  
 Vasculitis (anti-neutrophil cytoplasmic antibody-associated) - rituximab (with glucocorticoids) (TA308)  
 Ustekinumab for treating active psoriatic arthritis (rapid review of TA313) (TA340)  
 Abatacept, adalimumab, etanercept and tocilizumab for treating juvenile idiopathic arthritis (TA373)  
 Adalimumab, etanercept, infliximab, certolizumab, golimumab, tocilizumab & abatacept for rheumatoid arthritis (TA375)  
 TNF-alpha inhibitors for ankylosing spondylitis and non-radiographic axial spondyloarthritis (TA383)  
 Certolizumab pegol for treating rheumatoid arthritis after inadequate response to a TNF-alpha inhibitor (TA415)  
 Apremilast for treating active psoriatic arthritis (TA433)  
 Certolizumab pegol and secukinumab for treating active psoriatic arthritis after inadequate response to DMARDs (TA445)  
 Collagenase clostridium histolyticum for treating Dupuytren's contracture (TA459)  
 Adalimumab and dexamethasone for treating non-infectious uveitis (TA460)  
 Baricitinib for moderate to severe rheumatoid arthritis (TA466)  
 Autologous chondrocyte implantation for treating symptomatic articular cartilage defects of the knee (replaces TA89) (TA477)  
 Tofacitinib for moderate to severe rheumatoid arthritis (TA480)  
 Sarilumab for moderate to severe rheumatoid arthritis (TA485)  
 Lesinurad for treating chronic hyperuricaemia in people with gout (TA506)  
 Autologous chondrocyte implantation using chondrosphere for symptomatic articular cartilage defects of the knee (TA508)  
 Tocilizumab for treating giant cell arteritis (TA518)  
 Ixekizumab for treating active psoriatic arthritis after inadequate response to DMARDs (TA537)  
 Tofacitinib for treating active psoriatic arthritis after inadequate response to DMARDs (TA543)  
 Tofacitinib for moderately to severely active ulcerative colitis (TA547)  
 Nusinersen for treating spinal muscular atrophy (TA588)  
 Upadacitinib for treating severe rheumatoid arthritis (TA665)  
 Filgotinib for treating moderate to severe rheumatoid arthritis (TA676)  
 Anakinra for treating Still's disease (TA685)  
 Adalimumab, etanercept, infliximab & abatacept for treating moderate RA after conventional DMARDs have failed (TA715)  
 Ixekizumab for treating axial spondyloarthritis in adults (TA718)  
 Secukinumab for treating non-radiographic axial spondyloarthritis in adults (TA719)  
 Tofacitinib for treating juvenile idiopathic arthritis (TA735)  
 Upadacitinib for treating moderate rheumatoid arthritis (TA744)  
 Belimumab for treating active autoantibody-positive systemic lupus erythematosus (replaces TA397) (TA752)  
 Risdiplam for treating spinal muscular atrophy (TA755)  
 Upadacitinib for treating active psoriatic arthritis after inadequate response to DMARDs (TA768)  
 Guselkumab for treating active psoriatic arthritis after inadequate response to DMARDs (replacing TA711) (TA815)  
 Upadacitinib for treating active ankylosing spondylitis (TA829)  
 Upadacitinib for treating active non-radiographic axial spondyloarthritis (TA861)  
 Bimekizumab for treating axial spondyloarthritis (TA918)  
 Tofacitinib for treating active ankylosing spondylitis (TA920)  
 Efgartigimod for treating antibody-positive generalised myasthenia gravis (TA1069)

## GMMMG Formulary

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

## 10.1 Drugs used in rheumatic diseases &amp; gout



10.1 Drugs used in rheumatic diseases & gout		NICE CG177
10.1.1 Non-steroidal anti-inflammatory drugs (NSAIDs)		NICE NG100
<p>MHRA Drug Safety Update (Oct-12): Non-steroidal anti-inflammatory drugs (NSAIDs): cardiovascular risks            MHRA Drug Safety Update (May-09): Non-steroidal anti-inflammatory drugs (NSAIDs): reminder on renal failure and impairment            MHRA Drug Safety Update (Dec-07): NSAIDs and coxibs: balancing of cardiovascular and gastrointestinal risks</p>		
<p><b>Ibuprofen (oral)</b>            GREEN OTC</p> <p>200mg; 400mg; 600mg tablets; 5% gel</p> <p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy            MHRA Drug Safety Update (Jun-15): High-dose ibuprofen (≥2400mg/day): small increase in cardiovascular risk</p>	<p>BNF BNF</p> <p>MMC BNF emc</p>	1 <sup>st</sup> line use
<p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy            MHRA Drug Safety Update (Jun-15): High-dose ibuprofen (≥2400mg/day): small increase in cardiovascular risk</p>		
<p><b>Ibuprofen (IV)</b></p> <p>200mg in 50mL solution for infusion</p> <p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy            MHRA Drug Safety Update (Jun-15): High-dose ibuprofen (≥2400mg/day): small increase in cardiovascular risk</p>	<p>BNF BNF</p> <p>MMC BNF emc</p>	short-term symptomatic treatment of acute moderate pain
<p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy            MHRA Drug Safety Update (Jun-15): High-dose ibuprofen (≥2400mg/day): small increase in cardiovascular risk</p>		
<p><b>Naproxen</b>            GREEN</p> <p>250mg; 500mg tablets</p> <p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	
<p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy</p>		
<p><b>Celecoxib</b>            GREY GREEN</p> <p>100mg; 200mg capsules</p> <p>MHRA Drug Safety Update (Dec-07): NSAIDs and coxibs: balancing of cardiovascular and gastrointestinal risks</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	RESTRICTED - osteoarthritis in line with NICE NG226
<p>MHRA Drug Safety Update (Dec-07): NSAIDs and coxibs: balancing of cardiovascular and gastrointestinal risks</p>		
<p><b>Diclofenac sodium</b>            GREEN</p> <p>50mg tablets; suppositories</p> <p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy            MHRA Drug Safety Update (Jan-15): Oral diclofenac no longer available without prescription            MHRA Drug Safety Update (Dec-14): Diclofenac: new contraindications and warnings</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	
<p>MHRA Drug Safety Update (Jun-23): Non-steroidal anti-inflammatory drugs (NSAIDs): potential risks following prolonged use after 20 weeks of pregnancy            MHRA Drug Safety Update (Jan-15): Oral diclofenac no longer available without prescription            MHRA Drug Safety Update (Dec-14): Diclofenac: new contraindications and warnings</p>		
<p><b>Flurbiprofen</b></p> <p>50mg tablets</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	
<p><b>Indometacin</b></p> <p>capsules; suppositories</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	RESTRICTED 3 <sup>rd</sup> line (off-label) for tocolysis
<p><b>Mefenamic acid</b></p> <p>250mg; 500mg tablets</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	
<p><b>Meloxicam</b></p> <p>7.5mg; 15mg tablets</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	
<p><b>Sulindac</b></p> <p>100mg; 200mg tablets</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	
<p><b>Etodolac</b></p> <p>600mg tablets</p>	<p>BNF emc</p> <p>MMC BNF emc</p>	RESTRICTED Consultant Anaesthetist use only
<p><b>Phenylbutazone</b></p> <p>100mg; 200mg tablets</p>	<p>BNF emc</p>	RESTRICTED Specialist use only, ankylosing spondylitis

**10.1.2 Corticosteroids**

MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration

**10.1.2.1 Systemic corticosteroids****NICE NG100****Prednisolone****10.1.2.2 Local corticosteroid injections****NICE NG100****Hydrocortisone acetate**

GREEN

25mg/mL injection

**Methylprednisolone acetate**

GREEN

40mg/mL injection

**Triamcinolone acetonide**

GREEN

10mg/mL; 40mg/mL injection

**Triamcinolone hexacetonide**

20mg/mL injection

**RESTRICTED Paediatric  
Rheumatology Consultants only****10.1.3 Drugs that suppress the rheumatic disease process****Gold****NICE NG100****Auranofin**

tablets

**RESTRICTED Rheumatology  
Consultants only****Penicillamine****Penicillamine**

AMBER

tablets (see also sections 9.8.1 &amp; 18.1.1)

**RESTRICTED Rheumatology  
Consultants only****Antimalarials****Hydroxychloroquine sulfate**

AMBER

tablets

**RESTRICTED Rheumatology  
Consultants only**

MHRA Drug Safety Update (Feb-22): Hydroxychloroquine, chloroquine: increased risk of CV events when used with macrolide antibiotics; reminder of psychiatric reactions

MHRA Drug Safety Update (Mar-20): Chloroquine and Hydroxychloroquine not licensed for coronavirus (COVID-19) treatment

**Mepacrine hydrochloride**

RED

100mg tablets

**RESTRICTED Rheumatology  
Consultants only****Drugs affecting the immune response****NICE NG100****Azathioprine**

AMBER

tablets; injection; oral solution (see also sections 1.5.3, 8.2.1 &amp; 13.5.3)

**RESTRICTED Rheumatology  
Consultants only**

MHRA Drug Safety Update (May-25): Thiopurines and intrahepatic cholestasis of pregnancy

**Ciclosporin**

AMBER

capsules; oral solution; injection (see also sections 8.2.2 &amp; 13.5.3)

**RESTRICTED Consultants only****Leflunomide**

AMBER

tablets

**RESTRICTED Rheumatology  
Consultants only****Methotrexate**

AMBER

RED

tablets; injections (see also sections 1.5.3, 8.1.3 &amp; 13.5.3)

**RESTRICTED Consultants only**

MHRA Drug Safety Update (Aug-23): Methotrexate: advise patients to take precautions in the sun to avoid photosensitivity reactions

MHRA Drug Safety Update (Sep-20): Methotrexate once-weekly for autoimmune diseases: new measures to reduce risk of fatal overdose

Cytokine modulators		
<b>Abatacept</b>   injection; infusion       	<b>RESTRICTED</b> Rheum. Consultants only in line with NICE / NHSE  	
<b>Adalimumab</b>   injection (see also sections 1.5.3, 11.4.2 & 13.5.3)      	<b>RESTRICTED</b> Consultants only in line with NICE MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors -risk of TB - screen all patients before starting treatment and monitor them closely	
<b>Anakinra</b>   injection       	<b>RESTRICTED</b> Consultants only in line with NICE / NHSE  	
<b>Apremilast</b>   10mg; 20mg; 30mg tablets (see also section 13.5.3)     	<b>RESTRICTED</b> 3 <sup>rd</sup> / 4 <sup>th</sup> line as per NICE/GMMMG	
<b>Baricitinib</b>   2mg; 4mg tablets      	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE  MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections & increased mortality MHRA Drug Safety Update (Aug-20): Baricitinib (Olumiant▼): increased risk of diverticulitis, particularly in patients with risk factors MHRA Drug Safety Update (Mar-20): Baricitinib (Olumiant▼): risk of venous thromboembolism	
<b>Belimumab</b>   Benlysta® 120mg; 400mg infusion; 200mg/1mL pre-filled pen      	<b>RESTRICTED</b> Consultants only MHRA Drug Safety Update (Apr-19): Belimumab (Benlysta▼): increased risk of serious psychiatric events seen in clinical trials	
<b>Bimekizumab</b>   Bimzelx® injection (see also section 13.5.3)      	<b>RESTRICTED</b> in line with NICE	
<b>Certolizumab pegol</b>   Cimzia® 200mg/1mL injection (see also section 13.5.3)     	<b>RESTRICTED</b> Rheumatology Consultants in line with NICE MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors -risk of TB - screen all patients before starting treatment and monitor them closely	
<b>Etanercept</b>   injection (see also section 13.5.3)       	<b>RESTRICTED</b> Consultants only; in line with NICE MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors -risk of TB - screen all patients before starting treatment and monitor them closely	
<b>Filgotinib</b>   Jyseleca® 100mg; 200mg tablets (see also section 1.5.3)      	<b>RESTRICTED</b> Consultants only in line with NICE MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections & increased mortality	
<b>Golimumab</b>   injection (see also section 1.5.3)     	<b>RESTRICTED</b> Consultants only in line with NICE MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors -risk of TB - screen all patients before starting treatment and monitor them closely	
<b>Guselkumab</b>   100mg/mL injection (see also sections 1.5.3 & 13.5.3)     	<b>RESTRICTED</b> in line with NICE	
<b>Infliximab</b>   Remicade® infusion; Remsima® infusion (see also section 13.5.3)       	<b>RESTRICTED</b> Consultants only <b>MMC Remsima</b> MHRA Drug Safety Update (Apr-14): TNF alpha inhibitors -risk of TB - screen all patients before starting treatment and monitor them closely	
<b>Ixekizumab</b>   80mg/1mL injection (see also section 13.5.3)     	<b>RESTRICTED</b> Consultants only in line with NICE	
<b>Rituximab</b>   injection; infusion (see also section 8.2.3)      	<b>RESTRICTED</b> Consultants only in line with NICE / NHSE	
<b>Sarilumab</b>   Kevzara® 150mg/1.14mL injection      	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE	
<b>Secukinumab</b>   Cosentyx® 150mg/1mL injection (see also section 13.5.3)      	<b>RESTRICTED</b> Rheumatology Consultants only in line with NICE	
<b>Tocilizumab</b>   infusion      	<b>RESTRICTED</b> Consultants only in line with NICE MHRA Drug Safety Update (Jul-19): Tocilizumab (RoActemra): rare risk of serious liver injury including cases requiring transplantation	

<p><b>Tofacitinib</b>   </p> <p>Xeljanz® 5mg; 10mg tablets (see also section 1.5.3)</p> <p>     </p> <p>MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections &amp; increased mortality                  MHRA Drug Safety Update (Oct-21): Tofacitinib (Xeljanz ▼): new measures to minimise risk of major adverse cardiovascular events and malignancies                  MHRA Drug Safety Update (Mar-20): Tofacitinib (Xeljanz ▼): new measures to minimise risk of venous thromboembolism and of serious and fatal infections                  MHRA Drug Safety Update (May-19): Tofacitinib (Xeljanz ▼): restriction of 10 mg twice-daily dose in patients at high risk of PE while safety review is ongoing</p>	<p><b>RESTRICTED</b> Consultants only in line with NICE</p>
<p><b>Upadacitinib</b>   </p> <p>MR tablet (see also sections 1.5.3 &amp; 13.5.3)</p> <p>     </p> <p>MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections &amp; increased mortality</p>	<p><b>RESTRICTED</b> Consultants only in line with NICE</p>
<p><b>Ustekinumab</b>   </p> <p>Stelara® injection; infusion (see also sections 1.5.3 &amp; 13.5.3)</p> <p>     </p> <p>MHRA Drug Safety Update (Jan-15): Ustekinumab (Stelara): risk of exfoliative dermatitis</p>	<p><b>RESTRICTED</b> Consultants only in line with NICE</p>
<p><b>Ustekinumab</b>   </p> <p>Wezenla® injection; infusion (see also sections 1.5.3 &amp; 13.5.3)</p> <p>     </p>	<p><b>RESTRICTED</b> Consultants only in line with NICE</p>
<p><b>Sulfasalazine</b></p>	
<p><b>Sulfasalazine</b>  </p> <p>tablets</p> <p> </p>	<p><b>1<sup>st</sup> line use</b></p>
<p><b>10.1.4 Gout and cytotoxic induced hyperuricaemia</b></p>	
<p><b>Acute attacks of gout</b></p>	
<p><b>Colchicine</b>   </p> <p>tablets</p> <p> </p>	
<p><b>Long-term control of gout</b></p>	
<p><b>Allopurinol</b>  </p> <p>tablets</p> <p> </p>	<p><b>1<sup>st</sup> line use</b></p>
<p><b>Febuxostat</b>  </p> <p>tablets</p> <p>   </p> <p>MHRA Drug Safety Update (May-23): Febuxostat: updated advice for the treatment of patients with a history of major cardiovascular disease                  MHRA Drug Safety Update (Jul-19): Febuxostat: increased risk of CV death and all-cause mortality in clinical trial in patients with a history of major CV disease                  MHRA Drug Safety Update (Jun-12): Febuxostat (Adenuric ▼): stop treatment if signs or symptoms of serious hypersensitivity</p>	<p><b>RESTRICTED</b>                  Rheumatology Consultants only</p>
<p><b>Hyperuricaemia associated with cytotoxic drugs</b></p>	
<p><b>Rasburicase</b>   </p> <p>Fasturtec® infusion</p> <p>    </p>	<p><b>RESTRICTED</b>                  Haematology Consultants only</p>
<p><b>10.1.5 Other drugs for rheumatic diseases</b></p>	
	<p><b>NICE CG177</b></p>
	<p><b>NICE TA477</b></p>
	<p><b>NICE TA508</b></p>

## 10.2 Drugs used in neuromuscular disorders



### 10.2.1 Drugs that enhance neuromuscular transmission

#### Anticholinesterases

##### Pyridostigmine bromide

GREEN

tablets

1<sup>st</sup> line use

##### Neostigmine metisulfate

GREEN

tablets; injection (see also section 15.1.6)



##### Edrophonium chloride



injection



**RESTRICTED**  
diagnosis of myasthenia gravis  
**Licensed product discontinued**

### 10.2.2 Skeletal muscle relaxants

##### Baclofen

GREEN

10mg tablets; 5mg/mL oral solution

1<sup>st</sup> line use

##### Dantrolene sodium

SI

25mg; 100mg capsules; *Ryanodex*® 250mg/20mL vial (see also section 15.1.8)

##### Diazepam

GREEN

tablets; liquid; injection; rectal tube (see also sections 4.1.2, 4.8.2 &amp; 15.1.4.1)



##### Tizanidine

SI

2mg; 4mg tablets



**RESTRICTED**  
Consultant Neurologist only

### Nocturnal leg cramps

##### Quinine sulfate

tablets (see also section 5.4.1)



MHRA Drug Safety Update (Nov-17): Quinine: reminder of dose-dependent QT-prolonging effects; updated interactions

MHRA Drug Safety Update (Jun-10): Quinine: not to be used routinely for nocturnal leg cramps

### 10.2.3 Drugs used in neuromuscular disorders

##### Ataluren

RED



oral suspension sachets



**Specialist use only**  
in line with NICE HST22

##### Atidarsagene autotemcel

RED

*Libmeldy*® infusion

**Specialist use only**  
in line with NICE HST18

##### Ginvinostat hydrochloride monohydrate

RED

*Duvystat*® oral suspension

**RESTRICTED** Paediatric Neurology  
Consultants only

##### Nusinersen

RED

*Spinraza*® injection

**Specialist use only**  
in line with NICE TA588 / NHSE  
**Named patient access**

MHRA Drug Safety Update (Sep-18): Nusinersen (*Spinraza* ▼): reports of communicating hydrocephalus; discuss symptoms with patients & carers - investigate urgently

##### Onasemnogene abeparvovec

RED

*Zolgensma*® infusion

**RESTRICTED** Paediatric Neurology  
Consultants only NICE / NHSE

##### Risdiplam

RED



oral solution



**Specialist use only**  
in line with NICE TA755

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



### 10.3.1 Enzymes

#### Hyaluronidase

RED

injection



**RESTRICTED**  
extravasation

### 10.3.2 Rubefacients & other topical antirheumatics

#### Piroxicam

GREEN

0.5% gel



#### Capsaicin

GREEN

cream, patch (restricted to neuropathic pain at TGH)



Patch restricted to peripheral  
neuropathic pain specialists at TGH

## 10.4 Miscellaneous preparations



<p><b>Dibotermin alfa</b> </p> <p> </p> <p><i>InductOs</i>®  <b>MMC</b> </p>	<p><b>RESTRICTED</b> NHSE CCP 16063/P </p>
<p><b>Givinostat</b></p> <p> </p> <p><i>Duvyzat</i>® 8.86mg/mL oral suspension  <b>MMC</b>  </p>	<p><b>RESTRICTED</b> DMD patients aged 6 years &amp; older</p>
<p><b>Glucarpidase</b></p> <p> </p> <p><i>Voraxaze</i>® 1,000 unit injection (see also sections 1.10, 8.4, 13.14 &amp; 18.1.2)  <b>MMC</b>  </p>	<p><b>RESTRICTED</b> 2<sup>nd</sup> line rescue therapy </p>

## Non-Formulary Items



<b>Diclofenac sodium</b>  <i>Dyloject</i> ® injection <b>MMC</b> <b>BNF</b> <b>emc</b>	<b>Discontinued July 2016</b>
<b>Diclofenac sodium</b>  <i>Voltarol</i> ® injection <b>MMC</b> <b>BNF</b> <b>emc</b>	
<b>Efgartigimod alfa</b> <b>RED</b> <b>EE</b> <i>Vyvgart</i> ® injection; infusion <b>PbR X</b> <b>NICE</b> <b>MMC</b> <b>BNF</b> <b>emc</b> <b>bluefeg</b>	<b>MFT not a commissioned centre</b> <b>Patients referred to NCA</b>
<b>Glucosamine</b> <b>(DNP)</b>  with or without chondroitin <b>BNF</b>	<b>in line with GMMMG</b>
<b>Hyaluronan injections</b> <b>(DNP)</b>  injection including hyaluronan and sodium hyaluronate <b>BNF</b>	<b>in line with GMMMG</b>
<b>Naproxen with esomeprazole</b> <b>(DNP)</b>  <b>BNF</b> <b>emc</b>	<b>in line with NICE / GMMMG</b>
<b>Satralizumab</b> <b>(DNP)</b>  <i>Enspryng</i> ® injection <b>NICE</b> <b>BNF</b> <b>emc</b>	<b>in line with NICE / GMMMG</b>
<b>Sodium aurothiomalate</b>  injection <b>BNF</b> <b>emc</b>	<b>Discontinued June 2019</b>

## Section 11: Eye

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



### 11.3 Anti-infective eye preparations

- 11.3.1 Antibacterials
- 11.3.2 Antifungals
- 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

- Beta-blockers
- Prostaglandin analogues and prostamides
- Combination products (prostaglandin analogue with beta-blocker)
- Combination products (prostaglandin analogue with Rho kinase inhibitor)
- Sympathomimetics
- Carbonic anhydrase inhibitors
- Miotics

### 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
- 11.8.3 Other preparations

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Glaucoma: diagnosis and management (NG81)  
 Age-related macular degeneration (NG82)  
 Diabetic retinopathy: management and monitoring (NG242)  
 Voretigene neparvovec for treating inherited retinal dystrophies caused by RPE65 gene mutations (HST11)  
 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)  
 Choroidal neovascularisation (pathological myopia) - ranibizumab (TA298)  
 Macular oedema (central retinal vein occlusion) - aflibercept solution for injection (TA305)  
 Aflibercept for treating diabetic macular oedema (TA346)  
 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)  
 Cenegermin for treating neurotrophic keratitis (TA532)  
 Fluocinolone acetonide intravitreal implant for treating recurrent non-infectious uveitis (TA590)  
 Brolucizumab for treating wet age-related macular degeneration (TA672)  
 Faricimab for treating diabetic macular oedema (TA799)  
 Faricimab for treating wet age-related macular degeneration (TA800)  
 Brolucizumab for treating diabetic macular oedema (TA820)  
 Dexamethasone intravitreal implant for treating diabetic macular oedema (replacing TA349) (TA824)  
 Fluocinolone acetonide intravitreal implant for treating chronic DMO (updates & replaces TA301 / TA613) (TA953)  
 Faricimab for treating visual impairment caused by macular oedema after retinal vein occlusion (TA1004)  
 Latanoprost–netarsudil for previously treated primary open-angle glaucoma or ocular hypertension (TA1009)  
 Bevacizumab gamma for treating wet age-related macular degeneration (TA1022)  
 Tebentafusp for treating advanced uveal melanoma (TA1027)  
 Idebenone for treating visual impairment in Leber’s hereditary optic neuropathy in people 12 years and over (TA1093)

## GMMMG Formulary

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

## 11.3 Anti-infective eye preparations



### 11.3.1 Antibacterials

#### Chloramphenicol

GREEN OTC (DNP)

0.5% eye drops, 1% eye ointment ( (DNP) bacterial conjunctivitis)

BNF emc

MHRA Drug Safety Update (Jul-21): Chloramphenicol eye drops containing borax or boric acid buffers: use in children younger than 2 years

#### Fusidic acid (ophthalmic)

GREEN

1% eye drops

BNF emc

#### Amikacin (ophthalmic) U

RED

2.5% eye drops

BNF emc

**RESTRICTED** microbial keratitis.  
Consultant Ophthalmologist only  
**NOT STOCKED**

#### Azithromycin (ophthalmic)

RED

Azyter® 1.5% eye drops

MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

#### Ceftazidime (ophthalmic) U

RED

5% eye drops

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only  
**NOT STOCKED**

#### Cefuroxime (ophthalmic) U

RED

5% eye drops

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

#### Cefuroxime (intracameral injection)

RED

Ximaract® 50mg in 5mL intracameral injection

MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

#### Chlorhexidine (ophthalmic) U

RED

0.02% eye drops

BNF emc

**RESTRICTED** acanthamoeba  
keratitis. Consultant only

#### Ciprofloxacin (ophthalmic)

SA

0.3% eye drops

BNF emc

**RESTRICTED** microbial keratitis.  
Consultant Ophthalmologist only

MHRA Drug Safety Update (Sep-23): Fluoroquinolone antibiotics: suicidal thoughts and behaviour

MHRA Drug Safety Update (Aug-23): Fluoroquinolone antibiotics: reminder of the risk of disabling and potentially long-lasting or irreversible side effects

MHRA Drug Safety Update (Dec-20): Systemic & inhaled fluoroquinolones: small risk of heart valve regurgitation; consider other therapeutic options first in patients at risk

MHRA Drug Safety Update (Mar-19): Fluoroquinolones: new restrictions & precautions for use due to rare reports of disabling & long-lasting / irreversible side effects...

#### Erythromycin (ophthalmic) U

RED

0.5% eye ointment

BNF emc

**RESTRICTED** superficial eye  
infections

#### Gentamicin (ophthalmic) U

RED

1.5% eye drops (Use with cefuroxime eye drops)

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

#### Levofloxacin (ophthalmic)

RED

0.5% eye drops

MMC BNF emc

**RESTRICTED** Consultant only  
corneal ulcers/ keratitis

MHRA Drug Safety Update (Sep-23): Fluoroquinolone antibiotics: suicidal thoughts and behaviour

MHRA Drug Safety Update (Aug-23): Fluoroquinolone antibiotics: reminder of the risk of disabling and potentially long-lasting or irreversible side effects

MHRA Drug Safety Update (Dec-20): Systemic & inhaled fluoroquinolones: small risk of heart valve regurgitation; consider other therapeutic options first in patients at risk

MHRA Drug Safety Update (Mar-19): Fluoroquinolones: new restrictions & precautions for use due to rare reports of disabling & long-lasting / irreversible side effects...

#### Ofloxacin

RED

0.3% eye drops

MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

MHRA Drug Safety Update (Sep-23): Fluoroquinolone antibiotics: suicidal thoughts and behaviour

MHRA Drug Safety Update (Aug-23): Fluoroquinolone antibiotics: reminder of the risk of disabling and potentially long-lasting or irreversible side effects

MHRA Drug Safety Update (Dec-20): Systemic & inhaled fluoroquinolones: small risk of heart valve regurgitation; consider other therapeutic options first in patients at risk

MHRA Drug Safety Update (Mar-19): Fluoroquinolones: new restrictions & precautions for use due to rare reports of disabling & long-lasting / irreversible side effects...

#### Penicillin (ophthalmic) U

RED

2,500 units/mL eye drops

BNF emc

**RESTRICTED** microbial keratitis.  
Consultant Ophthalmologist only

#### Polihexanide

RED

Akantior® 0.8 mg/mL eye drops

MMC emc

**RESTRICTED** Acanthamoeba keratitis  
Consultant Ophthalmologist only

#### Polihexanide (Polyhexamethylene biguanide (PHMB)) U

RED

0.02% eye drops

**RESTRICTED** Acanthamoeba keratitis  
Consultant Ophthalmologist only

#### Propamide isetionate U

RED

0.1% eye drops

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

<b>Vancomycin (ophthalmic)</b>   5% eye drops  	<b>RESTRICTED</b> gram positives, including MRSA but not VRE <b>NOT STOCKED</b>
<b>11.3.2 Antifungals</b>	
<b>Amphotericin</b>   0.15% eye drops  	<b>RESTRICTED</b> Consultant Ophthalmologist only
<b>Natamycin</b>   5% eye drops  	<b>RESTRICTED</b> fungal keratitis, conjunctivitis, fungal blepharitis
<b>Voriconazole</b>   1% eye drops ( <a href="#">see also section 5.2.1</a> )  	<b>RESTRICTED</b> fungal keratitis
<b>11.3.3 Antivirals</b>	
<b>Ganciclovir</b>  0.15% eye gel  	
<b>Trifluorothymidine</b>   1% eye drops  	

## 11.4 Corticosteroid & other anti-inflammatory preparations



### 11.4.1 Corticosteroids

MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration

<b>Betamethasone</b> <b>SI</b> 0.1% eye drops & ointment		
<b>Dexamethasone</b> <b>SI</b> 0.1% eye drops & minims		
<b>Dexamethasone (intravitreal implant)</b> <b>RED</b>		<b>RESTRICTED</b> as per NICE TA229; TA460 & TA824
<b>Fluocinolone acetonide</b> <b>RED</b>		<b>RESTRICTED</b> as per NICE TA590 & TA953
<b>Prednisolone</b> <b>SI</b> 0.5% & 1% eye drops; 0.5% minims		
<b>Fluorometholone</b> <b>SI</b> 0.1% eye drops		
<b>Hydrocortisone sodium phosphate</b> <i>Softacort</i> ® 3.35 mg/mL PF single use eye drops		
<b>Triamcinolone acetonide</b> <b>RED</b>		<b>RESTRICTED</b> intralesional injection in skin grafts
<b>Triamcinolone acetonide</b> <b>RED</b>		<b>RESTRICTED</b> uveitis; sympathetic ophthalmia
<b>Triamcinolone acetonide</b> <b>RED</b>		<b>RESTRICTED</b> opacification of the vitreous humour
<b>Corticosteroids preparations with antibiotics</b>		
<b>Betamethasone with neomycin sulphate</b> 0.1% / 0.5% eye drops ( <i>Betnesol-N</i> ®)		
<b>Dexamethasone with hypromellose, neomycin and polymyxin B sulfate</b> 1 mg/mL : 3500 IU/mL : 6000 IU/mL ( <i>Maxitrol</i> ® eye drops & ointment)		
<b>11.4.2 Other anti-inflammatory preparations</b>		
<b>Sodium cromoglicate</b> <b>GREEN</b> <b>OTC</b> 2% eye drops		
<b>Adalimumab</b> <b>RED</b>		<b>RESTRICTED Consultant Ophthalmologist only</b> Non-infectious Uveitis
<b>Antazoline with xylometazoline</b> <b>GREEN</b> <b>OTC</b> 0.5% eye drops		
<b>Azelastine hydrochloride</b> 0.05% eye drops		<b>RESTRICTED</b> allergic conjunctivitis, children only
<b>Ketotifen hydrogen fumarate</b> <i>Ketofall</i> ® 0.25mg/mL PF eye drops		
<b>Lodoxamide</b> 0.1% eye drops		<b>RESTRICTED</b> allergic conjunctivitis
<b>Olopatadine</b> <b>GREEN</b> 1mg/mL eye drops		<b>RESTRICTED</b> Seasonal allergic conjunctivitis
<b>Potassium ascorbate</b> 10% eye drops		<b>RESTRICTED</b> management of chemical burns to the cornea

## 11.5 Mydriatics & cycloplegics



### Antimuscarinics

#### Atropine sulfate

GREEN

1% minims



#### Cyclopentolate hydrochloride

GREEN

1% eye drops, 0.5% & 1% minims



#### Tropicamide

0.5% & 1% eye drops, 0.5% & 1% minims



### Sympathomimetics

#### Phenylephrine hydrochloride

2.5% & 10% minims



**10% contraindicated in children & the elderly**

### Sympathomimetics with tropicamide

#### Phenylephrine hydrochloride with tropicamide

RED

Mydriaser<sup>®</sup> 5.4mg / 280micrograms ophthalmic insert



**RESTRICTED Pre-operative mydriasis in cataract patients**

## 11.6 Treatment of glaucoma



Beta-blockers		NICE NG81
<b>Timolol maleate</b> SA 0.25% & 0.5% eye drops	 	
<b>Timolol once-daily</b> SA 0.25% eye drops, <i>Tiopex</i> ® 0.1% gel, 0.5% long-acting ophthalmic gel	 	
<b>Betaxolol</b> 0.25% & 0.5% eye drops, 0.25% minims	 	
<b>Levobunolol hydrochloride</b> SA 0.5% eye drops	 	
<b>Prostaglandin analogues and prostamides</b>		
<b>Bimatoprost</b> SA 100 micrograms/mL eye drops	  	
<b>Latanoprost</b> SA 50 micrograms/mL eye drops MHRA Drug Safety Update (Jul-15): Latanoprost (Xalatan): increased reporting of eye irritation since reformulation	 	
<b>Latanoprost (preservative free)</b> SA 50 micrograms/mL preservative free eye drops MHRA Drug Safety Update (Jul-15): Latanoprost (Xalatan): increased reporting of eye irritation since reformulation	  	
<b>Travoprost</b> SA 40 micrograms/mL eye drops	  	
<b>Combination products (prostaglandin analogue with beta-blocker)</b>		
<b>Latanoprost with timolol</b> SA 50micrograms/mL / 5mg/mL eye drops; preservative free eye drops	  	
<b>Combination products (prostaglandin analogue with Rho kinase inhibitor)</b>		
<b>Latanoprost with netarsudil</b> SA <i>Roclanda</i> ® 50micrograms/mL / 5mg/mL + 200micrograms/mL eye drops	   	<b>RESTRICTED use in line with NICE TA1009</b> <b>NOT for 1ry care recommendation at present</b>
<b>Sympathomimetics</b>		
<b>Brimonidine tartrate</b> SA 0.2% eye drops	  	
<b>Apraclonidine</b> SI RED 0.5%; 1% eye drops	 	<b>RESTRICTED to delay laser treatment / surgery in uncontrolled glaucoma</b>
<b>Carbonic anhydrase inhibitors &amp; systemic drugs</b>		
<b>Acetazolamide</b> SI 250mg tablets; <i>Diamox SR</i> ® 250mg capsules	 	
<b>Brinzolamide</b> SA 10mg/mL eye drops	 	
<b>Brinzolamide with brimonidine</b> SA <i>Simbrinza</i> ® 2% eye drops	  	<b>RESTRICTED glaucoma patients in whom monotherapy provides insufficient IOP reduction</b>
<b>Dorzolamide</b> SA 2% eye drops; also preservative free	 	
<b>Dorzolamide with timolol</b> SA <i>Cosopt</i> ® 2% eye drops; also preservative free	 	
<b>Miotics</b>		
<b>Pilocarpine</b> SA 1%, 2% & 4% eye drops, 2% minims	 	
<b>Pilocarpine</b> 4% ophthalmic gel	 	

## 11.7 Local anaesthetics



### Ocular Local anaesthetics

#### Fluorescein with lidocaine (minims)

RED

4% / 0.25% eye drops



#### Oxybuprocaine hydrochloride (minims)

RED

0.4% eye drops



#### Proxymetacaine hydrochloride (minims)

RED

0.5% eye drops



#### Tetracaine (Amethocaine) (minims)

RED

1% & 2% eye drops



# 11.8 Miscellaneous ophthalmic preparations



## Other preparations

### Botulinum toxin type A

RED

Xeomin® injection

MMC BNF emc

**RESTRICTED**  
Consultant Ophthalmologist only  
blepharospasm & strabismus

### Ciclosporin (eye) U

2% eye drops

BNF emc

**RESTRICTED**  
Consultant Ophthalmologist only

### Ciclosporin (Ikervis®)

SI

1mg/mL eye drops

NICE MMC BNF emc

**RESTRICTED**  
Consultant Ophthalmologist only  
in line with NICE TA369

### Ciclosporin (Verkazia®)

SI

1mg/mL eye drops

MMC BNF emc

**RESTRICTED** Paediatrics for vernal  
keratoconjunctivitis /  
severe allergic eye disease

### Mercaptamine

RED E

Cystadrops® eye drops

PBR X MMC BNF blueiq emc

**RESTRICTED**  
Specialist use only NHSE



### Sodium chloride U

RED

5% eye drops

BNF emc

### Allogeneic Serum eye drops U

RED

eye drops (minims) (from NHS Blood & Transplant Service) (not a medicine)

MMC blueiq

**RESTRICTED**  
Consultant Ophthalmologist only



## 11.8.1 Tear deficiency, ocular lubricants & astringents

### Acetylcysteine U

Ilube® 5% eye drops

BNF emc

### Alteplase

RED

25micrograms in 0.1mL intravitreal injection

MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

### Carbomers

GREEN OTC

Viscotears® 0.2% eye drops

MMC BNF emc

### Carmellose sodium

GREEN OTC

Celluvisc® 0.5% eye drops

BNF emc

### Glycerol and mineral oils (Cationorm®)

preservative free eye drops

MMC emc

### Hydroxyethylcellulose

Minims® Artificial Tears preservative free eye drops

BNF emc

### Hypromellose

GREEN OTC

0.3% eye drops (DNP) Dry eyes / sore tired eyes or viral conjunctivitis

MMC BNF emc

### Liquid Paraffin

GREEN OTC

Lacri-Lube® ointment

BNF emc

### Polyvinyl alcohol

GREEN OTC

Liquifilm Tears® 1.4% eye drops

MMC BNF emc

### Sodium chloride (minims)

SA

5% eye drops

BNF emc

### Sodium hyaluronate

GREEN OTC

Hilo-Forte® 0.2% eye drops

MMC BNF emc

**11.8.2 Ocular diagnostic & peri-operative preparations & photodynamic treatment****Ocular diagnostic preparations****Fluorescein sodium**

RED

1% &amp; 2% preservative free eye drops

BNF emc

**Fluorescein sodium**

RED

100mg/mL injection

MMC BNF emc

**RESTRICTED**  
Specialist use only  
fundus fluorescein angiography**Indocyanine green (ICG)**

RED

Verdyne® 5mg/mL injection

MMC emc

**RESTRICTED**  
Specialist use only**Ocular peri-operative drugs****Acetylcholine chloride**

1% intraocular irrigation

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only**Apraclonidine**

SI RED

Iopidine® 0.5% eye drops; 1% preservative free eye drops

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only**Bromfenac**

Yellox® 0.9 mg/mL eye drops

MMC BNF emc

**RESTRICTED** Consultant only for  
pseudophakic CMO**Ketorolac trometamol**

RED

Acular® 0.5% eye drops

BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only**Nepafenac**

Nevanac® 1 mg/mL eye drops

MMC BNF emc

**RESTRICTED**. 1<sup>st</sup> line post cataract  
surgery in diabetics. 2<sup>nd</sup> line CMO**Povidone-Iodine**

5% eye drops

MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only**Heavy Silicone oil**

Densiron® 68 - 10mL syringe

MMC

**RESTRICTED** intraocular tamponade  
of inferior retinal breaks**Subfoveal choroidal neovascularisation****Aflibercept**

RED ££

Eylea® 40mg/mL; 114.3mg/mL injection

PbR X NICE MMC BNF emc blueiq

**RESTRICTED** Consultant  
Ophthalmologist only**Bevacizumab**

RED ££

Avastin® 100mg in 4mL vial

PbR X MMC BNF emc blueiq

**RESTRICTED** Consultant  
Ophthalmologist only**Bevacizumab gamma**

RED ££

Lytenava® 25mg/mL injection

PbR X NICE MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only**Brolucizumab**

RED ££

Beovu® 120mg in 1mL injection

PbR X NICE MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only

MHRA Drug Safety Update (Jan-22): Brolucizumab (Beovu ▼): risk of intraocular inflammation and retinal vascular occlusion increased with short dosing intervals

**Faricimab**

RED ££

Vabysmo® 120mg/mL injection

PbR X NICE MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist in line with NICE  
TA799 / TA800 / TA1004**Ranibizumab**

RED ££

Lucentis® / Ongavia® 10mg/mL injection

PbR X NICE MMC BNF emc blueiq

**RESTRICTED** Consultant  
Ophthalmologist only**Verteporfin**

RED ££

Visudyne® 15mg vial

PbR X MMC BNF emc

**RESTRICTED** Consultant  
Ophthalmologist only**Vitreomacular traction****11.8.3 Other preparations**

PbR X NICE

**Disodium edetate****Disodium edetate**

RED

0.37% (EDTA) eye drops

MMC

**RESTRICTED**  
Consultant Ophthalmologist  
chelation in band keratopathy**Idebenone****Idebenone**

RED ££

Raxone® 150mg tablets

PbR X NICE MMC BNF emc

**RESTRICTED**  
Specialist use only

**Insulin eye drops**

**Insulin (soluble) eye drops** 



*Humulin S® in Systane® lubricant eye drops*

**MMC**

**RESTRICTED**  
Consultant Ophthalmologist

**Voretigene**

**Voretigene neparvec**





*Luxturna® 2mL vial*

**MMC**

  


**RESTRICTED** Consultant  
Ophthalmologist in line with NICE

Non-Formulary Items		
<b>Cenergermin</b> <i>Oxervate</i> ® <span style="float: right;">NICE</span>		<b>DISCONTINUED</b> January 2020
<b>Commercial eyelid cleansing preparations</b> (DNP)		in line with GMMMG Criterion 1
<b>Conjunctivitis (bacterial)</b> (DNP) Chloramphenicol eye drops or ointment.		in line with GMMMG / NHSE
<b>Conjunctivitis (viral)</b> (DNP) Hypromellose eye drops		in line with GMMMG / NHSE
<b>Dry eyes / sore tired eyes</b> (DNP) Hypromellose eye drops, carbomer 980 gel, hyaluronate eye drops		in line with GMMMG / NHSE
<b>Ocriplasmin</b> RED  <i>Jetrea</i> ® 0.5mg/0.2mL injection <span style="float: right;">PbR X NICE MMC BNF emc</span>		<b>DISCONTINUED</b> May 2020
<b>Polymyxin B sulfate</b> <i>Polyfax</i> ® eye ointment <span style="float: right;"> </span>		<b>DISCONTINUED</b> November 2017
<b>Poly (carboxymethylglucose sulfate)</b> <i>Cacicol</i> ® eye drops (0.33mL) <span style="float: right;">MMC  </span>		<b>DISCONTINUED</b> December 2019
<b>Simple eye ointment</b> (DNP) <span style="float: right;"> </span>		in line with GMMMG Criterion 1
<b>Tebentafusp</b> Red  <i>Kimmtrak</i> ® 200micrograms/mL infusion <span style="float: right;">PbR X NICE MMC BNF emc</span>		<b>NOT STOCKED. Patients treated at commissioned centre in Liverpool</b>

## Section 12: Ear, nose & oropharynx

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



### 12.1 Drugs acting on the ear

- 12.1.1 Otitis externa
- 12.1.3 Removal of ear wax

### 12.2 Drugs acting on the nose

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

### 12.3 Drugs acting on the oropharynx

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

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Sinusitis (acute): antimicrobial prescribing (NG79)  
Sore throat (acute): antimicrobial prescribing (NG84)  
Otitis media (acute): antimicrobial prescribing (NG91)  
Tinnitus: assessment and management (NG155)  
Otitis media with effusion in under 12s (NG233)  
Allergic rhinitis (CKS)

## GMMMG Formulary

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

## 12.1 Drugs acting on the ear



### 12.1.1 Otitis externa

#### Astringent preparations

##### Aluminium acetate

ear drops



#### Anti-inflammatory preparations

##### Betamethasone sodium phosphate

GREEN

Betnesol® 0.1% ear drops



##### Prednisolone sodium phosphate

Predsol® 0.5% ear drops



#### Anti-inflammatory with antibacterial preparations

##### Dexamethasone with glacial acetic acid and neomycin sulfate

GREEN

Otomize® 0.1% / 3250u per mL ear spray



##### Dexamethasone with framycetin sulfate and gramicidin

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



##### Flumetasone pivalate with clioquinol

GREEN

Locorten-Vioform® 0.02% / 1% ear drops



##### Gentamicin with hydrocortisone

GREEN

1% / 0.3% ear drops



##### Hydrocortisone with neomycin and polymyxin B sulfate

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



#### Analgesic / Anti-inflammatory / local anaesthetic preparations

##### Phenazone with lidocaine

Otigo® 40mg/g / 10mg/g ear drops



**RESTRICTED**  
paeds in line with NICE NG91

#### Anti-infective preparations

##### Ciprofloxacin

GREY GREEN

Cetraxal® 0.2% ear drops



MHRA Drug Safety Update (Sep-23): Fluoroquinolone antibiotics: suicidal thoughts and behaviour

MHRA Drug Safety Update (Aug-23): Fluoroquinolone antibiotics: reminder of the risk of disabling and potentially long-lasting or irreversible side effects

MHRA Drug Safety Update (Dec-20): Systemic &amp; inhaled fluoroquinolones: small risk of heart valve regurgitation; consider other therapeutic options first in patients at risk

MHRA Drug Safety Update (Mar-19): Fluoroquinolones: new restrictions / precautions for use due to reports of disabling &amp; potentially long-lasting or irreversible side effects

##### Clotrimazole

GREEN OTC

1% ear drops



### 12.1.3 Removal of ear wax

##### Olive oil ear drops

(DNP) OTC

ear drops



##### Sodium bicarbonate

(DNP) OTC

5% ear drops



## 12.2 Drugs acting on the nose



### 12.2.1 Drugs used in nasal allergy

#### Antihistamines

##### Azelastine hydrochloride

Rhinolast® 40micrograms nasal spray



##### Azelastine hydrochloride

Azelair® 0.15% nasal spray



#### Corticosteroids

MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration

##### Beclometasone dipropionate

GREEN OTC

50micrograms nasal spray



1<sup>st</sup> line use

##### Betamethasone sodium phosphate

GREEN

0.1% nose drops



##### Mometasone furoate

GREEN

50micrograms nasal spray



1<sup>st</sup> line use nasal polyps

##### Fluticasone furoate

GREEN

Avamys® 27.5micrograms nasal spray



##### Fluticasone propionate with azelastine hydrochloride

GREY GREEN

Dymista® 50micrograms / 137micrograms nasal spray



RESTRICTED 3<sup>rd</sup> line use

#### Cromoglicate

##### Sodium cromoglicate

4% nasal spray



### 12.2.2 Topical nasal decongestants

#### Sympathomimetics

##### Ephedrine hydrochloride

(DNP)

0.5%; 1% nasal drops



1<sup>st</sup> line use

##### Sodium chloride

GREEN OTC

0.9% nasal drops



##### Xylometazoline hydrochloride

GREEN

0.1% nasal drops



#### Antimuscarinics

##### Ipratropium bromide

GREEN

0.03% nasal spray



Rhinorrhoea associated with allergic & non-allergic rhinitis

### 12.2.3 Nasal preparations for infection

##### Chlorhexidine dihydrochloride with neomycin

GREEN

Naseptin® 0.1% / 0.5% nasal cream



1<sup>st</sup> line use staphylococcal infections

##### Mupirocin

Bactroban® 2% nasal ointment



RESTRICTED MRSA / post nasal cautery

## 12.3 Drugs acting on the oropharynx



### 12.3.1 Drugs for oral ulceration & inflammation

#### Local Analgesics

##### Benzydamine hydrochloride

GREEN OTC

0.15% oral rinse; 0.15% spray

BNF emc

##### Carmellose sodium

30g protective paste

BNF emc

#### Corticosteroids

##### Hydrocortisone

(DNP)

muco-adhesive buccal tablets

BNF emc

### 12.3.2 Oropharyngeal anti-infective drugs

#### Oropharyngeal fungal infections

##### Miconazole

GREEN

2% oral gel (DNP) oral thrush)

BNF emc

MHRA Drug Safety Update (Sep-17): Miconazole (Daktarin): over-the-counter oral gel contraindicated in patients taking warfarin

##### Nystatin

GREEN

100,000 units/mL oral suspension (DNP) oral thrush)

BNF emc

### 12.3.4 Mouthwashes, gargles & dentifrices

##### Chlorhexidine gluconate

GREEN OTC

0.2% mouthwash; 1% dental gel

BNF emc

### 12.3.5 Treatment of dry mouth

#### Local treatment

##### AS Saliva Orthana®

GREEN OTC

spray; lozenges

BNF emc

##### BioXtra®

oral gel

BNF emc

#### Systemic treatment

##### Pilocarpine

5mg tablets

BNF emc

**RESTRICTED** Consultant use only  
following irradiation for head & neck  
cancer

#### Treatment of Dental Caries

##### Silver diamine fluoride (SDF) 38%

liquid

MMC emc

## Non-Formulary Items



<b>Acute sore throat</b> <input type="checkbox"/> (DNP) Sore throat lozenges and sprays, analgesics	in line with GMMMG
<b>Arachis oil / chlorbutanol</b> Cerumol® ear drops all forms	Removed Nov-25
<b>Coughs, colds and nasal congestion</b> <input type="checkbox"/> (DNP) Pseudoephedrine nasal sprays and oral preparations. Xylometazoline and ephedrine nasal sprays and drops	in line with GMMMG
<b>Ear wax removal</b> <input type="checkbox"/> (DNP) Olive oil, sodium bicarbonate ear drops. Includes prior to syringing	in line with GMMMG
<b>Mouth ulcers</b> <input type="checkbox"/> (DNP) Local anaesthetic gels, hydrocortisone buccal tablets	in line with GMMMG
<b>Oral thrush</b> <input type="checkbox"/> (DNP) Miconazole oral gel, nystatin oral suspension	in line with GMMMG

## Section 13: Skin

Supported by the  
formulary (click here)



### 13.2 Emollient & barrier preparations

13.2.1 Emollients

13.2.2 Barrier preparations

### 13.3 Topical local anaesthetics & antipruritics

### 13.4 Topical corticosteroids

### 13.5 Preparations for eczema & psoriasis

13.5.1 Preparations for eczema

13.5.2 Preparations for psoriasis

13.5.3 Drugs affecting the immune response

Cytokine Modulators

### 13.6 Acne & Rosacea

13.6.1 Topical preparations for acne

13.6.2 Oral preparations for acne

### 13.7 Preparations for warts & calluses

### 13.8 Sunscreens & camouflagers

13.8.1 Sunscreen preparations

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

### 13.10 Anti-infective skin preparations

13.10.1 Antibacterial preparations

13.10.2 Antifungal preparations

13.10.3 Antiviral preparations

13.10.4 Parasitocidal preparations

13.10.5 Preparations for minor cuts & abrasions

### 13.11 Skin cleansers, antiseptics & desloughing agents

13.11.1 Alcohols & saline

13.11.2 Chlorhexidine salts

13.11.4 Iodine

13.11.6 Oxidisers & dyes

13.11.7 Desloughing agents

### 13.12 Antiperspirants

### 13.13 Topical circulatory preparations

### 13.14 Miscellaneous preparations

### 13.15 BAD unlicensed specials list

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
 NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

Biosimilar Medicines (KTT15)  
 Atopic eczema in children (CG57)  
 Psoriasis: assessment and management (CG153)  
 Pressure Ulcers (CG179)  
 Pubic lice CKS (2011)  
 Scabies CKS (2011)  
 Acne vulgaris CKS (2014)  
 Head lice CKS (2015)  
 Surgical site infections: prevention and treatment (NG125)  
 Atopic dermatitis (eczema) - topical steroids (TA81)  
 Atopic dermatitis (eczema) - pimecrolimus and tacrolimus (TA82)  
 Psoriasis - efalizumab and etanercept (TA103) EMA (efalizumab)  
 Psoriasis - infliximab (TA134)  
 Psoriasis - adalimumab (TA146)  
 Alitretinoin for the treatment of severe chronic hand eczema (TA177)  
 Psoriasis - ustekinumab (TA180)  
 Melanoma (stage III or IV) - ipilimumab (TA268)  
 Melanoma (BRAF V600 mutation positive, unresectable metastatic) - vemurafenib (TA269)  
 Ustekinumab for treating active psoriatic arthritis (rapid review of TA313) (TA340)  
 Secukinumab for treating moderate to severe plaque psoriasis (TA350)  
 Adalimumab for treating moderate to severe hidradenitis suppurativa (TA392)  
 Nivolumab in combination with ipilimumab for treating advanced melanoma (TA400)  
 Apremilast for treating moderate to severe plaque psoriasis (replaces TA368) (TA419)  
 Apremilast for treating active psoriatic arthritis (TA433)  
 Ixekizumab for treating moderate to severe plaque psoriasis (TA442)  
 Adalimumab, etanercept and ustekinumab for treating plaque psoriasis in children and young people (TA455)  
 Dimethyl fumarate for treating moderate to severe plaque psoriasis (TA475)  
 Brodalumab for treating moderate to severe plaque psoriasis (TA511)  
 Guselkumab for treating moderate to severe plaque psoriasis (TA521)  
 Dupilumab for treating moderate to severe atopic dermatitis (TA534)  
 Certolizumab pegol for treating moderate to severe plaque psoriasis (TA574)  
 Tildrakizumab for treating moderate to severe plaque psoriasis (TA575)  
 Risankizumab for treating moderate to severe plaque psoriasis (TA596)  
 Baricitinib for treating moderate to severe atopic dermatitis (TA681)  
 Secukinumab for treating moderate to severe plaque psoriasis in children and young people (TA734)  
 Risankizumab for treating active psoriatic arthritis after inadequate response to DMARDs (TA803)  
 Abrocitinib, tralokinumab or upadacitinib for treating moderate to severe atopic dermatitis (TA814)  
 Pembrolizumab for adjuvant treatment of resected stage 2B or 2C melanoma (TA837)  
 Difelikefalin for treating pruritus in people having haemodialysis (TA890)  
 Deucravacitinib for treating moderate to severe plaque psoriasis (TA907)  
 Bimekizumab for treating active psoriatic arthritis (TA916)  
 Secukinumab for treating moderate to severe hidradenitis suppurativa (TA935)  
 Nivolumab–relatlimab for untreated unresectable or metastatic melanoma in people 12 years and over (TA950)  
 Ritlecitinib for treating severe alopecia areata in people 12 years and over (TA958)  
 Lebrikizumab for treating moderate to severe atopic dermatitis in people 12 years and over (TA986)  
 Spesolimab for treating generalised pustular psoriasis flares (TA1070)  
 Nemolizumab for treating moderate to severe atopic dermatitis in people 12 years and over (TA1077)  
 Delgocitinib for treating moderate to severe chronic hand eczema (TA1107)

## GMMMG Formulary

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

# 13.2 Emollient & barrier preparations



## 13.2.1 Emollients

### Non-Proprietary emollient preparations

MHRA Drug Safety Update (Aug-20): Emollients and risk of severe and fatal burns: new resources available  
 MHRA Drug Safety Update (Jul-20): Safe use of emollient skin creams to treat dry skin conditions  
 MHRA Drug Safety Update (Dec-18): Emollients: new information about risk of severe and fatal burns with paraffin-containing and paraffin-free emollients  
 MHRA Patient Info Leaflet (Jul-20): Skin creams - risk of fire and burns

#### Aqueous cream BP

cream		
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#### Emulsifying ointment BP

ointment		
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#### Liquid & white soft paraffin

<span style="background-color: green; color: white; padding: 2px;">GREEN</span> ointment		
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#### Paraffin, white soft BP

<span style="background-color: green; color: white; padding: 2px;">GREEN</span> white petroleum jelly		
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#### Paraffin, yellow soft BP

yellow petroleum jelly		
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### Proprietary emollient preparations

MHRA Drug Safety Update (Jul-24): Epimax Ointment and Epimax Paraffin-Free Ointment: reports of ocular surface toxicity & ocular chemical injury

#### Doublebase®

gel		
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#### Hydromol®

<span style="background-color: green; color: white; padding: 2px;">GREEN</span> Sodium pidolate 2.5% cream		
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#### Hydromol®

<span style="background-color: green; color: white; padding: 2px;">GREEN</span> YSP 30%, LP 40%, EW 30% ointment		
---	--	--

#### Oilatum®

<span style="background-color: green; color: white; padding: 2px;">GREEN</span>		
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### Preparations containing urea

#### Balneum® Plus

<span style="background-color: green; color: white; padding: 2px;">GREEN</span>		
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### With antimicrobials

#### Dermol® & Dermol® 500

<span style="background-color: green; color: white; padding: 2px;">GREEN</span>		<b>RESTRICTED 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

(DNP)

#### Emollient bath and shower preparations without antimicrobials

When used for the management of eczema in children or adults. This recommendation does not apply to the use of standard emollients when used in the bath or shower as a soap substitute

(DNP)

### With antimicrobials

#### Dermol® 600

<span style="background-color: grey; color: white; padding: 2px;">GREY</span> <span style="background-color: green; color: white; padding: 2px;">GREEN</span> bath emollient		
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#### Oilatum® Plus

bath emollient		<b>2<sup>nd</sup> line MRSA decolonisation therapy</b>
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### 13.2.2 Barrier preparations

#### Proprietary barrier preparations

#### Sudocrem®

<span style="border: 1px solid black; padding: 2px;">(DNP)</span> cream		<b>2<sup>nd</sup> line only at parental request</b>
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# 13.3 Topical local anaesthetics & antipruritics



## 13.3 Topical local anaesthetics & antipruritics

### Crotamiton

GREEN

cream; lotion



### Levomenthol

GREEN

Menthol in aqueous cream: 0.5%, 1%, 2%



### Mepyramine maleate

2% w/w cream



### Difelikefalin

RED

Kapruvia © injection



**RESTRICTED**  
Renal Consultants in line with NICE  
NHSE M4C

## 13.4 Topical corticosteroids



### Corticosteroid only preparations

**NICE TA81**

MHRA Drug Safety Update (May-24): Topical steroids: introduction of new labelling, reminder of possible severe side effects, including withdrawal reactions

MHRA Drug Safety Update (Sep-21): Topical corticosteroids: information on the risk of topical steroid withdrawal reactions

MHRA Drug Safety Update (Aug-17): Corticosteroids: rare risk of central serous chorioretinopathy with local as well as systemic administration

#### HYDROCORTISONE

**Potency**
**Canesten HC®**

GREEN

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®**

GREEN

hydrocortisone 1%, fusidic acid 1% cream



Mild

**Terra-Cortril®**

hydrocortisone 1%, oxytetracycline 3% ointment



Mild

#### BETAMETHASONE ESTERS

**Potency**

MHRA Drug Safety Update (May-24): Topical steroids: introduction of new labelling, reminder of possible severe side effects, including withdrawal reactions

MHRA Drug Safety Update (Sep-21): Topical corticosteroids: information on the risk of topical steroid withdrawal reactions

**Betamethasone valerate**

GREEN

betamethasone valerate 0.025% ointment, cream



Moderate

**Betnovate-RD®**

GREEN

betamethasone valerate 0.025% cream; ointment



Moderate

#### CLOBETASONE BUTYRATE

**Potency**

MHRA Drug Safety Update (May-24): Topical steroids: introduction of new labelling, reminder of possible severe side effects, including withdrawal reactions

MHRA Drug Safety Update (Sep-21): Topical corticosteroids: information on the risk of topical steroid withdrawal reactions

**Eumovate®**

GREEN

Clobetasone butyrate 0.05% cream; ointment



Moderate

#### BETAMETHASONE ESTERS

**Potency**

MHRA Drug Safety Update (May-24): Topical steroids: introduction of new labelling, reminder of possible severe side effects, including withdrawal reactions

MHRA Drug Safety Update (Sep-21): Topical corticosteroids: information on the risk of topical steroid withdrawal reactions

**Betamethasone valerate**

GREEN

betamethasone valerate 0.1% ointment; cream; lotion; scalp lotion



Potent

**Betnovate®**

GREEN

Betamethasone valerate 0.1% cream; ointment; scalp application; lotion



Potent

**Betamethasone valerate with clioquinol**

betamethasone valerate 0.1% / clioquinol 3% ointment; cream



Potent

**Betamethasone valerate with neomycin sulfate**

betamethasone valerate 0.1% / neomycin sulfate 0.5% cream; ointment



Potent

**Diprosalic®**

GREEN

Betamethasone dipropionate 0.05%, salicylic acid 3% ointment



Potent

**Fucibet®**

GREEN

betamethasone valerate 0.1% plus fusidic acid 2% cream



Potent

**Betnovate®**

betamethasone valerate ointment 25% in coal tar



Potent

**DERMATOLOGY ONLY**

<b>CLOBETASOL PROPIONATE</b>		<b>Potency</b>
MHRA Drug Safety Update (May-24): Topical steroids: introduction of new labelling, reminder of possible severe side effects, including withdrawal reactions		
MHRA Drug Safety Update (Sep-21): Topical corticosteroids: information on the risk of topical steroid withdrawal reactions		
<b>Dermovate®</b> <b>GREEN</b> clobetasol propionate 0.05% ointment; cream; lotion; scalp lotion	 	Very potent
<b>Dermovate NN®</b> clobetasol propionate 0.05% / neomycin sulfate / nystatin cream	 	Very potent
<b>Etrivex®</b> <b>GREEN</b> clobetasol propionate 500micrograms/g shampoo	<b>MMC</b>  	Very potent <b>RESTRICTED - 1<sup>st</sup> Care referral</b>
<b>DIFLUCORTOLONE VALERATE</b>		<b>Potency</b>
<b>Diflucortolone valerate</b> Ⓢ diflucortolone valerate 0.3% oily cream	<b>MMC</b> 	Very potent <b>RESTRICTED Consultant Gynaecologist</b>

## 13.5 Preparations for eczema & psoriasis



### 13.5.1 Preparations for eczema

#### Alitretinoin

RED

10mg; 30mg capsules

PbR X NICE MMC BNF

MHRA Drug Safety Update (Jul-21): Oral retinoid medicines (isotretinoin ▼, alitretinoin ▼ & acitretin ▼): temporary monitoring advice during COVID-19 pandemic

MHRA Drug Safety Update (Jun-19): Oral retinoid medicines ▼: revised and simplified pregnancy prevention educational materials for healthcare professionals & women

#### Delgocitinib

RED

Anzupgo® 20 mg/g cream

PbR X NICE MMC BNF

### 13.5.2 Preparations for psoriasis

#### Topical preparations for psoriasis

#### Calcipotriol

GREEN

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

#### Dithranol

RED

0.1% & 0.25% cream

#### Salicylic acid

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

#### Tacalcitol

Curatoderm® lotion; ointment

#### Tars

#### Coal tar paste BP

paste

#### Coal tar with salicylic acid and precipitated sulfur

Cocois® scalp ointment

#### Oral retinoids for psoriasis

#### Acitretin

RED

10mg; 25mg capsules

#### Dimethyl fumarate

#### Dimethyl fumarate

RED

30mg; 120mg tablets

PbR X NICE MMC BNF

### 13.5.3 Drugs affecting the immune response

#### Abrocitinib

RED

Cibingo® 50mg; 100mg; 200mg tablets

PbR X NICE MMC BNF

MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections and increased mortality

#### Azathioprine

AMBER

25mg; 50mg tablets (see also sections 1.5.3, 8.2.1 & 10.1.3)

PbR X NICE

MHRA Drug Safety Update (May-25): Thiopurines and intrahepatic cholestasis of pregnancy

#### Ciclosporin

AMBER

25mg, 50mg & 100mg caps; 100mg/1mL oral soln; Infusion (see also section 8.2.2)

PbR X MMC

#### Methotrexate

AMBER

2.5mg tablets (see also sections 8.1.3 & 10.1.3)

MMC

#### Pimecrolimus

SA

1% cream

NICE MMC

#### Sirolimus

RED

Hyftor® 0.2% gel (see also section 8.2.2)

MMC

#### Tacrolimus (specially made by SRFT)

SA

0.03%; 0.1% ointment (see also section 8.2.2)

PbR X NICE MMC

#### Upadacitinib

RED

Rinvoq® 15mg; 30mg MR tablets (see also sections 1.5.3 & 10.1.3)

PbR X NICE MMC

MHRA Drug Safety Update (Apr-23): JAK inhibitors: new measures to reduce risks of major CV events, malignancy, VTE, serious infections and increased mortality

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
Dermatology Consultants only  
in line with NICE

**NICE CG153**

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
3<sup>rd</sup>/4<sup>th</sup> line as per NICE/GMMMG  
Referral to SRFT

**RESTRICTED**  
Dermatology Consultants only  
in line with NICE

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
Dermatology Consultants only  
**PRESCRIBE BY BRAND**

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
Dermatology Consultants only

**RESTRICTED**  
Dermatology Consultants only  
in line with NICE

<b>Cytokine Modulators</b>		(see also section 10.1.3)
<b>Adalimumab</b>   injection (see also sections 1.5.3, 10.1.3 & 11.4.2)	     	<b>RESTRICTED</b> Dermatology Consultants only
<b>Apremilast</b>   10mg; 20mg; 30mg tablets (see also section 10.1.3)	    	<b>RESTRICTED</b> 3 <sup>rd</sup> /4 <sup>th</sup> line as per NICE/GMMMG
<b>Bimekizumab</b>   <i>Bimzelx</i> ® injection (see also section 10.1.3)	     	<b>RESTRICTED</b> in line with NICE
<b>Brodalumab</b>   <i>Kyntheum</i> ® 140mg/mL injection	    	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Certolizumab pegol</b>   <i>Cimzia</i> ® 200mg/1mL injection (see also section 10.1.3)	    	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Dupilumab</b>   <i>Dupixent</i> ® 150mg/mL injection (see also section 3.4.2)	     	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Etanercept</b>   injection (see also section 10.1.3)	      	<b>RESTRICTED</b> Dermatology Consultants only
<b>Guselkumab</b>   100mg/mL injection (see also sections 1.5.3 & 10.1.3)	    	<b>RESTRICTED</b> in line with NICE
<b>Infliximab</b>   100mg injection (see section 10.1.3)	      	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Ixekizumab</b>   80mg/1mL injection (see also section 10.1.3)	    	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Lebrikizumab</b>   <i>Ebglyss</i> ® 250mg in 2mL injection	     	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Risankizumab</b>   <i>Skyrizi</i> ® 75mg; 150mg injection (see also section 1.5.3)	     	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Ritlecitinib</b>   <i>Litfulo</i> ® 50mg capsules	     	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Secukinumab</b>   <i>Cosentyx</i> ® 150mg/1mL injection (see also section 10.1.3)	     	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Tildrakizumab</b>   100mg injection	    	<b>RESTRICTED</b> Dermatology only in line with NICE
<b>Tralokinumab</b>   <i>Adtralza</i> ® 150mg; 300mg injection	    	<b>RESTRICTED</b> Dermatology only in line with NICE / NHSE
<b>Ustekinumab</b>   <i>Stelara</i> ® injection (see also sections 1.5.3 & 10.1.3)	     	<b>RESTRICTED</b> Specialist use only in line with NICE
<b>Ustekinumab</b>   <i>Wezenla</i> ® injection (see also sections 1.5.3 & 10.1.3)	     	<b>RESTRICTED</b> Specialist use only in line with NICE

## 13.6 Acne & Rosacea



### 13.6.1 Topical preparations for acne

(DNP)

NICE CKS: Acne

**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.**

#### Benzyl peroxide & azelaic acid

##### Benzoyl peroxide

GREEN OTC

4% cream; 5% gel

1<sup>st</sup> line

##### Azelaic acid

GREEN

Skinoren® 20% cream

2<sup>nd</sup> line

#### Topical antibacterials for acne

##### Clindamycin

Dalacin T® 1% topical lotion

2<sup>nd</sup> / 3<sup>rd</sup> line

##### Erythromycin with zinc acetate

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

2<sup>nd</sup> / 3<sup>rd</sup> line

#### Topical retinoids & related preparations for acne

##### Adapalene

GREEN

Differin® 0.1% cream; 0.1% gel

1<sup>st</sup> line

#### Topical retinoids with antibacterial

##### Isotretinoin with erythromycin

GREEN

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



**RESTRICTED**  
Dermatology Consultants only

### 13.6.2 Oral preparations for acne

NICE CKS: Acne

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

##### Lymecycline

GREEN

408mg capsules (see also section 5.1.3)



**RESTRICTED**  
GP referral only

#### Hormone treatment for acne

##### Co-cyprindiol

GREEN

Cytroterone acetate 2mg / ethinylestradiol 35micrograms tablets



**RESTRICTED**  
GP referral only

#### Oral retinoid for acne

##### Isotretinoin

RED

5mg; 10mg; 20mg; 40mg capsules (see also section 8.1.5)



**RESTRICTED**  
Dermatology Consultants only

MHRA Drug Safety Update (Jan-26): Isotretinoin – changes to prescribing guidance and additional risk minimisation measures

MHRA Drug Safety Update (Oct-25): Isotretinoin – updates to prescribing guidance and survey of services

MHRA Drug Safety Update (Oct-23): Isotretinoin (Roaccutane ▼): introduction of new safety measures, including additional oversight on initiation of treatment in under 18s

MHRA Drug Safety Update (Apr-23): Isotretinoin (Roaccutane ▼): new safety measures, including additional oversight on initiation of treatment in under 18s

MHRA Drug Safety Update (Jul-21): Oral retinoid medicines (isotretinoin ▼, alitretinoin ▼, and acitretin ▼): temporary monitoring advice during COVID-19 pandemic

MHRA Drug Safety Update (Nov-20): Isotretinoin (Roaccutane ▼): contribute to expert review

MHRA Drug Safety Update (Aug-20): Isotretinoin (Roaccutane ▼): reminder of important risks and precautions

MHRA Drug Safety Update (Jun-19): Oral retinoid medicines ▼: revised and simplified pregnancy prevention educational materials for healthcare professionals and women

MHRA Drug Safety Update (Oct-17): Isotretinoin (Roaccutane): rare reports of erectile dysfunction and decreased libido

MHRA Drug Safety Update (Dec-14): Isotretinoin (Roaccutane): reminder of possible risk of psychiatric disorders

# 13.7 Preparations for warts & calluses



## 13.7 Preparations for warts & calluses (DNP)

<b>Salicylic acid</b> <span style="border: 1px solid black; padding: 2px;">(DNP)</span>	 	
ointment; liquid		
<b>Silver nitrate</b>	 	<p style="text-align: center;"><b>RESTRICTED</b> Dermatology Consultants only</p>
pencil		
<b>Silver nitrate</b>	  	<p style="text-align: center;"><b>RESTRICTED</b> ENT - nasal cauterly</p>
75% applicator		
<b>Anogenital warts</b>		
<b>Podophyllotoxin</b> <span style="background-color: green; color: white; padding: 2px;">SI</span>	 	<p style="text-align: center;"><b>1<sup>st</sup> line</b></p>
0.15% cream		
<b>Imiquimod</b> <span style="background-color: green; color: white; padding: 2px;">SI</span>	  	<p style="text-align: center;"><b>RESTRICTED</b> GUM Consultant only</p>
5% cream		

## 13.8 Sunscreens & camouflagers



### 13.8.1 Sunscreen preparations

#### Photodamage

<b>Diclofenac sodium</b> Solaraze® 3% gel	 	<b>RESTRICTED</b> Dermatology Consultants
<b>Fluorouracil</b> <b>GREEN</b> Efudix® 5% cream	 	<b>RESTRICTED</b> Dermatology Consultants
<b>Fluorouracil with salicylic acid</b> Actikerall® 5mg/g / 100mg/ 1g cutaneous solution	<b>MMC</b>  	<b>RESTRICTED</b> Dermatology Consultants as per MMC
<b>Imiquimod</b> <b>SA</b> 5% cream	 	<b>RESTRICTED</b> Dermatology Consultants
<b>Methyl-5-aminolevulinate</b> <b>RED</b> 160mg/g cream	<b>MMC</b>  	<b>RESTRICTED</b> Dermatology Consultants & Vulval Intraepithelial Neoplasia (VIN) only

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

**Shampoos****Ketoconazole**

GREEN

Nizoral® 2% shampoo

**RESTRICTED** persistent / severe  
seborrhoeic dermatitis / dandruff**Capasal®**

GREEN

OTC

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

**RESTRICTED**  
Dermatology Consultants only**Ceanel Concentrate®**

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

**RESTRICTED**  
Dermatology Consultants only**Other scalp preparations****Polytar®**

GREEN

OTC

40mg/mL coal tar scalp shampoo

**Hirsutism****Eflornithine hydrochloride monohydrate**

GREY

GREEN

Vaniqa® 11.5% cream

**RESTRICTED**  
Dermatology Consultants only

## 13.10 Anti-infective skin preparations



### 13.10.1 Antibacterial preparations

**Topical antibacterials should generally be avoided for the treatment of infections**

#### 13.10.1.1 Antibacterial preparations only used topically

<b>Mupirocin</b> 		
2% cream; ointment	MMC	
<b>Fusidic acid</b> 		<b>RESTRICTED</b> superficial impetigo
2% cream; ointment		
<b>Metronidazole</b> 		<b>RESTRICTED</b> topical treatment of rosacea
0.75% topical gel; cream		
<b>Silver sulfadiazine</b> 		<b>RESTRICTED</b> Treatment/prophylaxis of burns
1% w/w cream		

#### 13.10.2 Antifungal preparations

<b>Amorolfine</b>		<b>1<sup>st</sup> line</b> antifungal for nail infections
5% nail lacquer	MMC	
<b>Benzoic acid with salicylic acid</b>		<b>1<sup>st</sup> line</b> treatment of ringworm
benzoic acid 6% / salicylic acid 3% / in emulsifying ointment		
<b>Clotrimazole</b> 		<b>1<sup>st</sup> line</b> fungal skin infections
1% cream		
<b>Miconazole</b> 		<b>2<sup>nd</sup> line</b> fungal skin infections
2% cream		
<b>Terbinafine</b> 		<b>2<sup>nd</sup> line</b> fungal skin infections
1% cream		

#### 13.10.3 Antiviral preparations

<b>Aciclovir</b> 		<b>1<sup>st</sup> line</b>
5% cream (see also section 5.3.2.1)		

#### 13.10.4 Parasitocidal preparations

		<b>NICE CKS: Head lice</b>
		<b>NICE CKS: Pubic lice</b>
		<b>NICE CKS: Scabies</b>
<b>Ivermectin</b>		
tablets	MMC	
<b>Malathion</b> 		
0.5% aqueous solution		
<b>Permethrin</b> 		
1% crème rinse; 5% dermal cream		

MHRA Drug Safety Update (Mar-18): Head lice eradication products: risk of serious burns if treated hair is exposed to open flames or other sources of ignition...

#### 13.10.5 Preparations for minor cuts & abrasions

<b>Brulidine</b>		<b>RESTRICTED</b> Theatres only
0.15% w/w cream		
<b>Preparations for boils</b>		
<b>Magnesium sulfate</b>		
paste, BP		
<b>Skin tissue adhesive</b>		
<b>Histoacryl</b> <sup>®</sup>		<b>RESTRICTED</b> Theatres only
0.5mL skin adhesive		

## 13.11 Skin cleansers, antiseptics & desloughing agents



### 13.11.1 Alcohols & saline

Isopropyl alcohol 70%



Sodium chloride

0.9% irrigation solution



### 13.11.2 Chlorhexidine salts

Chlorhexidine gluconate

GREEN OTC



### 13.11.4 Iodine

Alcoholic Iodine solution BP



Iodine weak solution



Povidone-Iodine



### 13.11.6 Oxidisers & dyes

Hydrogen peroxide solution, BP

3% solution; 6% solution



**RESTRICTED**  
Specialist use only

Potassium permanganate

RED

400mg tablets for cutaneous solution



**RESTRICTED**  
Specialist use only

National Patient Safety Alert (Apr-22): Inadvertent oral administration of potassium permanganate

### 13.11.7 Desloughing agents

**CONTACT THE TISSUE VIABILITY TEAM on x64042**

## 13.12 Antiperspirants



### Aluminium salts

#### Aluminium chloride hexahydrate

20% cutaneous solution



### Glycopyrronium bromide

#### Glycopyrronium bromide (glycopyrrolate)

Robinul® (unlicensed special can be used when the licensed product is not available)



#### Glycopyrronium bromide (glycopyrrolate) Ⓢ

0.5% cream



**RESTRICTED**  
Diabetes Consultants only  
(gustatory sweating)

## 13.13 Topical circulatory preparations



### Topical circulatory preparations

#### Heparinoid

Hirudoid® 0.3% cream; 0.3% gel



## 13.14 Miscellaneous preparations



<b>8-Methoxypsoralen</b>	10mg tablets	<b>MMC</b>	<b>RESTRICTED</b> Dermatology Consultants only
<b>Fumaric acid esters</b>	<i>Fumaderm</i> ® tablets	<b>MMC</b>	<b>RESTRICTED</b> Dermatology Consultants only
<b>Glucarpidase</b>	<i>Voraxaze</i> ® 1,000 unit injection (see also sections 1.10, 8.4, 10.4 & 18.1.2)	<b>MMC</b>	<b>RESTRICTED</b> 2 <sup>nd</sup> line rescue therapy
<b>Hyaluronic acid with lidocaine</b>	<i>Juvederm</i> ® / <i>Belotero</i> ® injection	<b>MMC</b>	<b>RESTRICTED</b> vocal cord paralysis

## 13.15 British Association of Dermatologists Specials List

### Steroid combinations

Coal tar solution 5% in betamethasone valerate 0.025% 

BP 5% w/w in 0.025% w/w ointment (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

### Tars

Coal tar BP 5% w/w in YSP 

BP 5% w/w in yellow soft paraffin (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

### Keratolytics

Salicylic acid 5% in emulsifying ointment 

5% w/w in emulsifying ointment (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

Salicylic acid 10% in emulsifying ointment 

10% w/w in emulsifying ointment (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

Salicylic acid 20% in emulsifying ointment 

20% w/w in emulsifying ointment (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

### Miscellaneous

Glycopyrrolate 2% w/w in cetomacrogol cream 

2% w/w in cetomacrogol cream (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

Hydroquinone, hydrocortisone & tretinoin in a non-aqueous gel 

5% w/w; 1% w/w & 0.1% w/w in a non-aqueous gel (100g)

MMC



**RESTRICTED**  
Dermatology Consultants only

Non-Formulary Items		GMMMG
<b>Bio-oil®</b> (DNP) OTC		in line with GMMMG
<b>Cradle cap (self-limiting)</b> (DNP) OTC E.g. almond oil, olive oil, cradle cap shampoos		in line with GMMMG / NHSE
<b>Dandruff</b> (DNP) OTC		in line with GMMMG / NHSE
<b>Deoxycholic acid</b> (DNP) Belkyra® 10 mg/ml solution for injection	emc	in line with GMMMG
<b>Diprobase®</b> cream; ointment	BNF emc	DISCONTINUED September 2021
<b>Dithranol</b> RED Dithocream® 0.1% & 0.25% cream	MMC BNF emc	DISCONTINUED May 2021
<b>Emollient bath and shower preparations without antimicrobials</b> (DNP) OTC		in line with GMMMG
<b>Excessive sweating (hyperhidrosis)</b> (DNP) OTC Aluminium chloride 20% solutions (e.g. Driclor, Anhydrol Forte)		in line with GMMMG / NHSE
<b>Head lice</b> (DNP) OTC Dimeticone, malathion, cyclomethicone, permethrin shampoos and liquids. "Bug buster" kits, nit combs.		in line with GMMMG / NHSE
<b>Hydrocortisone</b> (DNP) 0.5% ointment; 2.5% cream and ointment	BNF emc	in line with GMMMG
<b>Hydrocortisone butyrate</b> 0.1% ointment	BNF emc	WITHDRAWN November 2025 in line with GMMMG
<b>Idoxuridine in dimethyl sulfoxide</b> (DNP) Herpid® topical solution	emc	in line with GMMMG
<b>Infrequent cold sores of the lip</b> (DNP) OTC Aciclovir cream, Zovirax® cold sore cream		in line with GMMMG / NHSE
<b>Ingenol mebutate</b> Picato® 150 micrograms/g gel (face & scalp); 500 micrograms/g gel (trunk & extremities)	MMC	WITHDRAWN February 2020
MHRA Drug Safety Update (Feb-20): Ingenol mebutate gel (Picato ▼): suspension of the licence due to risk of skin malignancy MHRA Drug Safety Update (Oct-19): Ingenol mebutate gel (Picato ▼): increased incidence of skin tumours seen in some clinical studies		
<b>Lanolin cream</b> (DNP) OTC e.g. Lansinoh HPA	BNF emc	in line with GMMMG
<b>Metanium®</b> (DNP) ointment	BNF emc	Removed from formulary Nov-25
<b>Mild acne</b> (DNP)		in line with GMMMG / NHSE
<b>Mild dry skin or irritant dermatitis</b> (DNP)		in line with GMMMG / NHSE
<b>Minocycline</b> (DNP) tablets; capsules; M/R capsules	BNF emc	in line with GMMMG
<b>Minor burns and scalds</b> (DNP)		in line with GMMMG / NHSE
<b>Minoxidil</b> (DNP) cutaneous foam	BNF emc	in line with GMMMG / NHSE

<b>Nappy rash</b> (DNP) OTC E.g. barrier preparations ( <i>Sudocrem</i> ®, <i>Metanium</i> ®)		<b>in line with GMMMG / NHSE</b>
<b>Potassium hydroxide</b> (DNP)		<b>in line with GMMMG</b>
<i>MolluDab</i> ® 5% topical solution <b>Proflavine cream, BPC</b> 0.1% cream	emc	<b>DISCONTINUED July 2018</b>
<b>Ringworm / Athlete's foot</b> (DNP) OTC Topical preparations containing miconazole, clotrimazole, etc	PbR X emc	<b>in line with GMMMG / NHSE</b>
<b>Ruxolitinib</b> <i>Opzelura</i> ® 15mg/g cream	PbR X NICE MMC emc	<b>Not NICE approved</b>
<b>Silk garments</b> (DNP)		<b>in line with GMMMG / NHSE</b>
including <i>Dermasilk</i> ®, <i>Dreamskin</i> ®, <i>Skinnies Silk</i> ® <b>Sun protection</b> (DNP) OTC		<b>in line with GMMMG / NHSE</b>
<b>Sunburn due to excessive sun exposure</b> (DNP) OTC E.g. emollients, oral and topical antihistamines, analgesics		<b>in line with GMMMG / NHSE</b>
<b>Warts and verrucae</b> (DNP) OTC Salicylic acid-containing products, glutaraldehyde		<b>in line with GMMMG / NHSE</b>

## Section 14: Immunological products & vaccines

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



### 14.4 Vaccines & antisera

- Bacillus Calmette-Guérin (BCG) vaccines
- Botulism antitoxin
- COVID-19 vaccine
- 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
- Respiratory syncytial virus (RSV) vaccine
- 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

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
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  
GMMMG Adult [Red/Amber/Green](#); DNP and Grey Drug List  
GMMMG Paediatric [Red/Amber/Green](#); DNP and Grey 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



MHRA Drug Safety Update (Apr-16): Live attenuated vaccines: avoid use in those who are clinically immunosuppressed

<b>Bacillus Calmette-Guérin (BCG) vaccines</b>		<b>Tuberculosis: the Green Book, ch.32</b>
<b>Bacillus Calmette-Guérin (BCG) vaccine</b>	 	
injection		
<b>BCG vaccine diagnostic agent</b> (Tuberculin purified protein derivative (PPD))	 	
injection		
<b>Botulism antitoxin</b>		
<b>Botulism antitoxin</b>	 	<b>RESTRICTED Emergencies only</b>
injection		
<b>COVID-19 vaccine</b>		<b>Covid19: the Green Book, ch.14a</b>
<b>Pfizer-BioNTech COVID-19 vaccine (Tozinameran / Famtozinameran)</b>	 	<b>12 years of age and older pending availability of XBB1.5</b>
Comirnaty® Original/Omicron BA.4-5 (15/15 micrograms)/dose (GREY cap)		
<b>Pfizer-BioNTech COVID-19 vaccine (Raxtozinameran)</b>	 	<b>12 years of age and older</b>
Comirnaty® Omicron XBB.1.5 - 30micrograms/dose injection (GREY cap)		
<b>Pfizer-BioNTech COVID-19 vaccine (Raxtozinameran)</b>	 	<b>5 to 11 year olds</b>
Comirnaty® Omicron XBB.1.5 - 10micrograms/dose injection (BLUE cap)		
<p>MHRA Drug Safety Update (Mar-23): COVID-19 vaccines: updates for March 2023            MHRA Drug Safety Update (Feb-23): COVID-19 vaccines: updates for February 2023            MHRA Drug Safety Update (Jan-23): COVID-19 vaccines: updates for January 2023            MHRA Drug Safety Update (Dec-22): COVID-19 vaccines: updates for December 2022            MHRA Drug Safety Update (Nov-22): COVID-19 vaccines: updates for November 2022            MHRA Drug Safety Update (Oct-22): COVID-19 vaccines: updates for October 2022            MHRA Drug Safety Update (Sep-22): COVID-19 vaccines: updates for September 2022            MHRA Drug Safety Update (Aug-22): COVID-19 vaccines: updates for August 2022            MHRA Drug Safety Update (Jul-22): COVID-19 vaccines: updates for July 2022            MHRA Drug Safety Update (Jun-22): COVID-19 vaccines: updates for June 2022            MHRA Drug Safety Update (May-22): COVID-19 vaccines: updates for May 2022            MHRA Drug Safety Update (Apr-22): COVID-19 vaccines: updates for April 2022            MHRA Drug Safety Update (Mar-22): COVID-19 vaccines: updates for March 2022            MHRA Drug Safety Update (Feb-22): COVID-19 vaccines: updates for February 2022            MHRA Drug Safety Update (Jan-22): COVID-19 vaccines: updates for January 2022            MHRA Drug Safety Update (Dec-21): COVID-19 vaccines: updates for December 2021            MHRA Drug Safety Update (Nov-21): COVID-19 vaccines: updates for November 2021            MHRA Drug Safety Update (Oct-21): COVID-19 vaccines: updates for October 2021            MHRA Drug Safety Update (Sep-21): COVID-19 vaccines: updates for September 2021            MHRA Drug Safety Update (Aug-21): COVID-19 vaccines: updates for August 2021            MHRA Drug Safety Update (Jul-21): COVID-19 vaccines: updates for July 2021            MHRA Drug Safety Update (Jun-21): COVID-19 vaccines: updates for June 2021            MHRA Drug Safety Update (May-21): COVID-19 vaccines: updates for May 2021            MHRA Drug Safety Update (Feb-21): COVID-19 vaccines and medicines: updates for February 2021            MHRA Drug Safety Update (Jan-21): COVID-19 vaccines (Pfizer/BioNTech and COVID-19 Vaccine AstraZeneca): current advice            MHRA (Dec-20): Regulatory approval of Pfizer/BioNTech vaccine for COVID-19</p>		
<b>Diphtheria vaccines (children under 10yrs old)</b>		<b>Diphtheria: the Green Book, ch.15</b>
<b>Infanrix hexa®</b>	 	
injection		
<b>Infanrix-IPV®</b>	 	
injection		
<b>Repevax®</b>	 	
injection		
<b>Diphtheria vaccines (children over 10yrs old &amp; adults)</b>		<b>Diphtheria: the Green Book, ch.15</b>
<b>Revaxis®</b>	 	
injection		

<b>Haemophilus type B conjugate vaccine</b>		<b>Hib: the Green Book, ch.16</b>
<b>Haemophilus Influenzae B &amp; Meningitis C vaccine</b>		
Menitorix® injection	 	
<b>Hepatitis A vaccine</b>		<b>Hepatitis A: the Green Book, ch.17</b>
<b>Hepatitis A vaccine single component</b>		
Havrix Monodose®; Havrix Junior Monodose®; Vaqta® Paediatric injection	 	
<b>Hepatitis B vaccine</b>		<b>Hepatitis B: the Green Book, ch.18</b>
<b>Hepatitis B single component</b>		
Engerix B®; Engerix B® Paediatric injection	 	
<b>Hepatitis B single component</b>		
HBvaxPRO®; HBvaxPRO® Paediatric injection	 	
<b>Human papilloma virus (HPV) vaccine</b>		<b>HPV: the Green Book, ch.18a</b>
<b>Human Papilloma Virus (HPV) quadrivalent vaccine</b>		<b>RESTRICTED</b> <b>Paediatric Immunology Consultant</b>
Gardasil® injection	  	
<b>Influenza vaccine</b>		<b>Influenza: the Green Book, ch.19</b>
<b>Influenza vaccine</b>		
injection, intranasal	 	
<b>Measles, Mumps &amp; Rubella (MMR) vaccine</b>		<b>Measles: the Green Book, ch.21</b>
		<b>Mumps: the Green Book, ch.23</b>
		<b>Rubella: the Green Book, ch.28</b>
<b>Measles, Mumps &amp; Rubella vaccine</b>		
injection	 	
<b>Meningococcal vaccines</b>		<b>Meningococcal: the Green Book, ch.22</b>
<b>Meningococcal Polysaccharide A, C, W135 &amp; Y vaccine</b>		
injection	 	
<b>Meningococcal group B vaccine</b>		<b>RESTRICTED</b> <b>childhood immunisation schedule</b> <b>&amp; high risk patients</b>
Bexsero® injection	  	
<b>Meningococcal group C vaccine</b>		
injection	 	
<b>Pneumococcal vaccines</b>		<b>Pneumococcal: the Green Book, ch.25</b>
<b>Pneumococcal Polysaccharide vaccine</b>		
injection	 	
<b>Poliomyelitis vaccines</b>		<b>Pollo: the Green Book, ch.26</b>
<b>Poliomyelitis vaccine inactivated</b>		
	 	
<b>Rabies vaccines</b>		<b>Rabies: the Green Book, ch.27</b>
<b>Rabies vaccine inactivated</b>		<b>RESTRICTED</b> <b>Not Stocked</b>
Rabipur® injection	 	
<b>Respiratory syncytial virus (RSV) vaccine</b>		<b>RSV: the Green Book, ch.27a</b>
<b>Respiratory syncytial virus (RSV) vaccine (bivalent, recombinant)</b>		
Abrysvo® injection	   	
<b>Tetanus vaccines</b>		<b>Tetanus: the Green Book, ch.30</b>
<b>Tetanus vaccine adsorbed</b>		
injection	 	
<b>Typhoid vaccines</b>		<b>Typhoid: the Green Book, ch.33</b>
<b>Typhoid polysaccharide vaccine</b>		
Typhim Vi® injection	 	
<b>Varicella-Zoster vaccines</b>		<b>Varicella: the Green Book, ch.34</b>
<b>Varicella-Zoster live attenuated vaccine</b>		
 	 	
Varivax® injection		

# 14.5 Immunoglobulins



- 1.) All Immunoglobulin requests should follow [NHSE Clinical Commissioning Policy for the use of therapeutic immunoglobulin \(Ig\) England \(2024\)](#).
- 2.) MFT have adopted a 'no form, no immunoglobulin' policy. All IVIg requests must have an Immunoglobulin Request Form completed via Hive.
- 3.) All immunoglobulin use **MUST** be recorded on the [National Immunoglobulin Database](#).

## 14.5.1 Normal immunoglobulin RED (for ITP & home treatment programmes)



### For intramuscular use

<b>Normal immunoglobulin injection</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="border: 1px solid blue; border-radius: 50%; padding: 2px;">££</span>	injection <span style="border: 1px solid grey; border-radius: 50%; padding: 2px;">PbR X</span> <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Specialist use only
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### For subcutaneous use

<b>Normal immunoglobulin injection</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="border: 1px solid blue; border-radius: 50%; padding: 2px;">££</span>	injection <span style="border: 1px solid grey; border-radius: 50%; padding: 2px;">PbR X</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: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Specialist use only
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### For intravenous use

<b>Human normal immunoglobulin</b> <span style="background-color: red; color: white; padding: 2px;">RED</span> <span style="border: 1px solid blue; border-radius: 50%; padding: 2px;">££</span>	injection <span style="border: 1px solid grey; border-radius: 50%; padding: 2px;">PbR X</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: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Specialist use only
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## 14.5.2 Disease-specific immunoglobulins



### Hepatitis B immunoglobulin

<b>Hepatitis B immunoglobulin</b>	injection <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Not Stocked
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### Rabies immunoglobulin

<b>Rabies immunoglobulin</b>	injection <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: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Virology advice only
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### Tetanus immunoglobulin

<b>Tetanus immunoglobulin</b>	injection <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">emc</span>	
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### Varicella-Zoster immunoglobulin

<b>Varicella-Zoster immunoglobulin</b> <span style="background-color: green; color: white; padding: 2px;">GREEN</span>	injection <span style="background-color: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Not Stocked
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### Cytomegalovirus (CMV) immunoglobulin

<b>Human normal immunoglobulin (CMV)</b>	injection <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: purple; color: white; padding: 2px;">emc</span>	<b>RESTRICTED</b> Specialist use only
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## 14.5.3 Anti-D (Rh<sub>0</sub>) immunoglobulin



<b>Anti-D (Rh<sub>0</sub>) immunoglobulin</b> <span style="background-color: red; color: white; padding: 2px;">RED</span>	injection <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: purple; color: white; padding: 2px;">BNF</span> <span style="background-color: purple; color: white; padding: 2px;">emc</span>	
--	---	--

## Non-Formulary Items



<p><b>AstraZeneca COVID-19 vaccine</b></p> <p><i>Vaxzevria</i>® injection</p> <p>MMC  </p>	<p><b>DISCONTINUED</b> May 2024</p>
<p><b>Moderna Biotech COVID-19 vaccine</b></p> <p><i>Spikevax</i>® injection</p> <p>MMC  </p>	<p><b>DISCONTINUED</b></p>
<p><b>Novavax COVID-19 vaccine</b></p> <p><i>Nuvaxovid</i>® injection</p> <p>MMC  </p>	<p><b>PAUSED</b> by JCVI</p>
<p><b>Pediacel</b>®</p> <p>injection</p> <p> </p>	<p><b>REPLACED</b> by Infanrix hexa®</p>
<p><b>Infanrix-IPV+Hib</b>®</p> <p>injection</p> <p> </p>	<p><b>REPLACED</b> by Infanrix hexa®</p>

## 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

- Lidocaine
- Bupivacaine
- Levobupivacaine
- Prilocaine
- Ropivacaine
- Tetracaine
- Local Anaesthetic Toxicity
- Other agents

### Non-Formulary Items

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
Paediatric Anaesthesia Website  
Children's Pain Management Website  
PICU Emergency Drugs Calculator  
[Non-formulary Conversion Table](#)

## NICE Guidance

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

## GMMMG Formulary

Formulary Homepage  
Chapter 15: Anaesthesia (**ON HOLD**)  
GMMMG Adult **Red/Amber/Green**; DNP and Grey Drug List  
GMMMG Paediatric **Red/Amber/Green**; DNP and Grey Drug List

## 15.1 General anaesthesia

### 15.1.1 Intravenous anaesthetics

#### Etomidate

injection



#### Ketamine

RED

injection



#### Propofol

injection; infusion



#### Thiopental sodium

injection



### 15.1.2 Inhalational anaesthetics

#### Volatile liquid anaesthetics

#### Desflurane

anaesthetic agent



**RESTRICTED**  
Theatres only

#### Isoflurane

anaesthetic agent



#### Methoxyflurane

Penthrox® inhalation vapour



**RESTRICTED**  
ED only

#### Sevoflurane

anaesthetic agent



#### Nitrous oxide

#### Nitrous oxide



#### Nitrous oxide 50% & oxygen 50%

Entonox®



### 15.1.3 Antimuscarinic drugs

#### Atropine sulfate

600microgram/1mL injection



**Adults 600microgram/1mL**  
**I.M. or I.V.**

#### Glycopyrronium bromide

200micrograms/1mL; 600micrograms/3mL injection



**Adults 200-400microgram I.V.**

#### Hyoscine hydrobromide

400microgram/mL injection



### 15.1.4 Sedative & analgesic post-operative drugs

#### 15.1.4.1 Benzodiazepines

**NICE CG112**

#### Diazepam

GREEN

tablets; liquid; injection; rectal tube (see also sections 4.1.2; 4.8.2 &amp; 10.2.2)



#### Lorazepam

tablets; injection (see also sections 4.1.2 &amp; 4.8.2)



#### Midazolam

GREEN

oromucosal solution; injection; infusion (see also section 4.8.2)



#### Midazolam with lidocaine

RED

20mg/0.5mL and 10mg/0.5mL nasal solution



**RESTRICTED Dental**  
**conscious sedation in dental**  
**surgery / procedures**

#### Temazepam

GREEN

tablets; oral solution (see also section 4.1.1)



### 15.1.4.2 Non-opioid analgesics

#### Ketorolac trometamol

injection



<b>Parecoxib</b>		<b>RESTRICTED</b> Theatres only - acute postop. pain
injection	MMC BNF emc	
<b>15.1.4.3 Opioid analgesics</b>		
<b>Alfentanil</b>		
		
injection	BNF emc	
<b>Fentanyl</b>		
		
injection (see also section 4.7.2)	BNF emc	
<b>Remifentanyl</b>		<b>RESTRICTED</b> Specialist use only
		
injection	MMC BNF emc	
<b>15.1.4.4 Other drugs for sedation</b>		
<b>Dexmedetomidine hydrochloride</b>		<b>RESTRICTED</b> Specialist use only
infusion	MMC BNF emc	
<b>15.1.5 Neuromuscular blocking drugs</b>		
<b>Non-depolarising neuromuscular blocking drugs</b>		
<b>Atracurium besilate</b>		
injection	BNF emc	
<b>Cisatracurium</b>		<b>RESTRICTED</b> Consultant only
injection	MMC BNF emc	
<b>Mivacurium</b>		
injection	BNF emc	
<b>Rocuronium bromide</b>		
injection	BNF emc	
<b>Vecuronium bromide</b>		
injection	BNF emc	
<b>Depolarising neuromuscular blocking drugs</b>		
<b>Suxamethonium chloride</b>		
injection	BNF emc	
<b>15.1.6 Drugs for reversal of neuromuscular blockade</b>		
<b>Anticholinesterases</b>		
<b>Neostigmine metilsulfate</b>		
injection (see also section 10.2.1)	BNF emc	
<b>Neostigmine metilsulfate with glycopyrronium bromide</b>		
injection	BNF emc	
<b>Other drugs for reversal of neuromuscular blockade</b>		
<b>Sugammadex</b>		<b>RESTRICTED - Consultant</b> (Emergency) use in Theatres only Complete Trust incident & audit forms
Bridion® injection (see also section 18.1.1)	MMC BNF emc	
<b>15.1.7 Antagonists for central &amp; respiratory depression</b>		
<b>Doxapram hydrochloride</b>		
injection (see also section 3.5.1)	BNF emc	
<b>Flumazenil</b>		
injection (see also section 18.1.1)	BNF emc	
<b>Naloxone hydrochloride</b>		
		
injection (see also section 18.1.1)	BNF emc	
<b>Naloxone hydrochloride dihydrate</b>		<b>RESTRICTED</b> suspected opioid overdose
		
Nyxoid® 1.8mg nasal spray (see also section 18.1.1)	MMC BNF emc	

**15.1.8 Drugs for malignant hyperthermia****Dantrolene sodium hemiheptahydrate**

Agilus® 120mg injection ([see also section 18.1.2](#))



MHRA Drug Safety Update (Jul-14): Intravenous dantrolene: risk of undissolved crystals

# 15.2 Local anaesthesia

## AAGBI SAFETY GUIDELINE

### 15.2 Local anaesthesia

#### Lidocaine hydrochloride

##### Lidocaine

0.5%, 1% & 2% injection (see also section 2.3.2)



##### with adrenaline

##### Lidocaine with adrenaline

1%, 2% injection



##### for surface anaesthesia

##### Lidocaine with chlorhexidine

Instillagel® 2% gel



##### Lidocaine

OptiLube Active CHG Free® 2% gel



##### Lidocaine with phenylephrine

Co-phenylcaine® 5% / 0.5% spray



##### Lidocaine with prilocaine

EMLA® 5% cream



##### Lidocaine

4% topical solution



##### Lidocaine

Laryngojet® 4% (160mg/4mL) jet spray



##### Lidocaine

5% ointment



##### Lidocaine

Xylocaine® 10% spray



##### Lidocaine

GREY GREEN

Versatis® 700mg medicated plaster



##### Lidocaine with adrenaline and tetracaine

RED

LAT® (Lidocaine 4%, Adrenaline 0.1% and Tetracaine 0.5%) gel



**RESTRICTED**  
Specialist pain team only  
for in-patient use - not for discharge  
**RESTRICTED**  
suturing of wounds in paediatric A&E

#### Bupivacaine hydrochloride

##### Bupivacaine hydrochloride

0.25% Infusion (500mL)



##### Bupivacaine hydrochloride with glucose

Marcain Heavy® 0.5% Injection



##### with adrenaline

##### Bupivacaine and adrenaline

0.25% with 1:200,000 injection



##### Bupivacaine and adrenaline

0.5% with 1:200,000 injection



##### with other ingredients

##### Bupivacaine and fentanyl



0.125% with 1mg/500mL infusion



##### Bupivacaine and sodium chloride

0.08% in 0.9%



##### Bupivacaine hydrochloride with glucose

20mg with 320mg/4mL spinal injection



<b>Levobupivacaine</b>		
<b>Levobupivacaine</b>		
Chirocaine® 25mg/10mL; 50mg/10mL; 75mg/10mL injection; epidural 250mg/200mL	MMC  	
<b>Levobupivacaine with fentanyl</b>		
 0.1% with 2microgram/mL epidural	 	
<b>Prilocaine hydrochloride</b>		
<b>Prilocaine hydrochloride</b>		
Citanest® 1% injection	 	
<b>Prilocaine hydrochloride</b>		
Prilotekal® 2% injection	MMC  	
<b>Prilocaine with felypressin</b>		
Octapressin® 3% cartridges (30mg/mL Citanest with 0.54micrograms/mL)	 	
<b>Ropivacaine hydrochloride</b>		
<b>Ropivacaine hydrochloride</b>		For Consultant use on CDU (elective CS), Theatre 1 (ortho) & wards 1 & 2 (following surgery in Th. 1)
injection; infusion	MMC  	
<b>Tetracaine (amethocaine)</b>		
<b>Tetracaine</b>		RESTRICTED children under 1yr by specific doctor request or /V team
Ametop® 4% gel	MMC  	
<b>Local Anaesthetic Toxicity</b>		<b>AAGBI SAFETY GUIDELINE</b>
<b>Intralipid 20%</b>		
20% injection (see also section 18.1.1)	 	
<b>Other agents</b>		
<b>Benzocaine 20% oral gel</b>		RESTRICTED Paediatrics Oral surgery
 Orajel® Extra Strength oral gel	MMC 	
<b>Cocaine</b>		
 5% solution	 	
<b>Ethyl chloride</b>		
Cryogesic® spray	MMC 	
<b>Mepivacaine hydrochloride</b>		
3% injection	 	
<b>Neomycin sulfate with fluocinolone acetonide &amp; lidocaine hydrochloride</b>		RESTRICTED Paediatrics. Intra-urethral steroid ointment
Nefluan® 10g gel	MMC 	

# Non-Formulary Items



Cocaine hydrochloride



10% solution w/v

**REMOVED from formulary  
October 2025**



## Section 16: Miscellaneous

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



### 16.1 Organ Perfusion Fluids

- 16.1.1 Cardiac Perfusion Fluids
- 16.1.2 Kidney / Pancreas / Liver perfusion fluids
- 16.1.3 Contrast Agents
- 16.1.4 Hydrogen / Methane breath tests
- 16.1.5 Catheter Lock Solution

## Trust Guidelines

ADULT - medicine & prescribing policies / guidelines (MFT Policy Hub)  
PAEDIATRIC - medicine & prescribing policies / guidelines (MFT Policy Hub)  
NEONATAL - medicine & prescribing policies / guidelines (MFT Policy Hub)  
[Non-formulary Conversion Table](#)

## NICE Guidance

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

## GMMMG Formulary

Formulary Homepage  
GMMMG Adult [Red/Amber/Green](#); DNP and Grey Drug List  
GMMMG Paediatric [Red/Amber/Green](#); DNP and Grey Drug List

## 16.1 Organ Perfusion fluids

### 16.1.1 Cardiac perfusion fluids

Aspartate / Glutamate solution 		
100mL	<b>MMC</b>	
Bretschneiders Histidine-Tryptophan-Ketoglutarate (HTK) 		
<i>Custodiol Cardioplegia</i> ® solution (1000mL)	<b>MMC</b>	<b>emc</b> 
Cardioplegia in Ringer's solution 		
1000mL	<b>MMC</b>	<b>emc</b> 
Cardioplegic ULTH Formula A 		
500mL	<b>MMC</b>	
Cardioplegic ULTH Formula B 		
500mL	<b>MMC</b>	
Sterile Concentrate for Cardioplegia infusion		
20mL	<b>MMC</b>	<b>emc</b> 

### 16.1.2 Kidney / Pancreas / Liver perfusion fluids

Cold Storage Solution (UW solution)		
<i>Belzer UW</i> ® (1000mL)	<b>MMC</b>	
Kidney Perfusion Fluid		
<i>Soltran</i> ® (1000mL)	<b>MMC</b>	
Lung Perfusion solution		
<i>Perfadex</i> ® (1000mL)	<b>MMC</b>	
Machine Perfusion solution		
<i>Belzer MPS</i> ® UW machine perfusion solution (1000mL)	<b>MMC</b>	

### 16.1.3 Contrast Agents

Gadobutrol		
<i>Gadovist</i> ® (1.0mmol/mL) injection	<b>MMC</b>	<b>emc</b> 
Gadoteric acid		
<i>Dotarem</i> ® (0.5mmol/mL) injection	<b>MMC</b>	<b>emc</b> 
Gadoxetic acid		
<i>Primovist</i> ® (0.25mmol/mL) injection	<b>MMC</b>	<b>emc</b> 
Perflutren		
<i>Luminy</i> ® (150microlitres/mL) lipid microspheres for injection	<b>MMC</b>	<b>emc</b> 
Sulphur hexafluoride		
<i>SonoVue</i> ® (8microlitre/mL) injection	<b>MMC</b>	<b>emc</b> 

### 16.1.4 Hydrogen / Methane breath tests

Fructose, Glucose, Lactose and Lactulose 		<b>RESTRICTED Gastro. only in line with ESPGHAN guidelines</b>
powder	<b>MMC</b>	 <b>emc</b> 

### 16.1.5 Catheter Locking Solution

Tetrasodium ethylene diamine tetra acetic acid (EDTA)		
<i>KiteLock</i> ™ 4% sterile catheter lock solution	<b>MMC</b>	<b>emc</b> 
Trisodium citrate 30%		
<i>Citra-Lock</i> ™ 30%	<b>MMC</b>	<b>emc</b> 