



The Greater Glasgow and Clyde

Paediatric Formulary

October 2017

© COPYRIGHT 2017
GREATER GLASGOW AND CLYDE NHS BOARD

ALL RIGHTS RESERVED. NO PART OF THIS PUBLICATION MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED, IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING OR OTHERWISE, WITHOUT THE PRIOR PERMISSION OF GREATER GLASGOW & CLYDE NHS BOARD.

CONTENTS

1. GASTRO-INTESTINAL SYSTEM.....	3
2. CARDIOVASCULAR SYSTEM	7
3. RESPIRATORY SYSTEM	12
4. CENTRAL NERVOUS SYSTEM	15
5. INFECTIONS	21
6. ENDOCRINE SYSTEM.....	26
7. OBSTETRICS, GYNAECOLOGY, AND URINARY-TRACT DISORDERS.....	29
8. MALIGNANT DISEASE AND IMMUNOSUPPRESSION	30
9. NUTRITION AND BLOOD.....	33
10. MUSCULOSKELETAL AND JOINT DISEASES	38
11. EYE.....	41
12. EAR, NOSE, AND OROPHARYNX.....	43
13. SKIN.....	45
14. IMMUNOLOGICAL PRODUCTS AND VACCINES	49
15. ANAESTHESIA.....	50
APPENDIX 1: EMERGENCY TREATMENT OF POISONING.....	53

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

1. GASTRO-INTESTINAL SYSTEM

1.1. DYSPEPSIA AND GASTRO-OESOPHAGEAL REFLUX DISEASE

1.1.1. Antacids and simeticone

CO-MAGALDROX

195/220 Suspension.

Brands include Maalox® and Mucogel®

1.1.2. Compound alginates preparations

GAVISCON® INFANT

1 dose is equivalent to half a dual sachet

PEPTAC®

Suspension

1.2. ANTISPASMODICS AND OTHER DRUGS ALTERING GUT MOTILITY

DOMPERIDONE

10mg tablets

10mg/5ml suspension

HYOSCINE BUTYLBROMIDE (BUSCOPAN®)

10mg tablets

20mg/1ml injection

SIMETICONE (INFACOL®)

40mg/ml liquid

METOCLOPRAMIDE

10mg tablets

5mg/5ml syrup

10mg/2ml injection

- Metoclopramide should only be prescribed for short-term use (up to 5 days)
- It should not be used in children below 1 year of age
- It should only be used in children over 1 year as second-choice treatment for prevention of delayed nausea and vomiting after chemotherapy and for post-operative nausea and vomiting

PEPPERMINT WATER^{SP}

1.3. ANTISECRETORY DRUGS AND MUCOSAL PROTECTANTS

1.3.1. H₂-Receptor antagonists

RANITIDINE

150mg tablets

75mg/5ml syrup

50mg/2ml injection

1.3.2. Selective antimuscarinics

No preparations are included in the Formulary

1.3.3. Chelates and complexes

SUCRALFATE

1g/5ml suspension

1g tablets

1.3.4. Prostaglandin analogues

No preparations are included in the Formulary

1.3.5. Proton pump inhibitors

Care should be taken when administering proton pump inhibitors through feeding tubes. Discuss with your relevant pharmacy department.

OMEPRAZOLE

10mg capsules, 20mg capsules, dispersible tablets

40mg injection and infusion

LANSOPRAZOLE

15mg capsules, 30mg capsules, orodispersible tablets (FasTabs®)

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
 P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
 SP Available as an unlicensed or special preparation

1.4. ACUTE DIARRHOEA**1.4.1. Adsorbents and bulk-forming drugs**

No preparations are included in the Formulary

1.4.2. Antimotility drugs**LOPERAMIDE**

2mg capsules

1mg/5ml syrup

1.5. CHRONIC BOWEL DISORDERS**1.5.1. Aminosalicylates****SULFASALAZINE**

500mg tablets

250mg/5ml suspension

MESALAZINE

Pentasa® 500mg modified-release tablets

Pentasa® 1g modified-release granules

Pentasa® 1g/100ml retention enema

Salofalk® 500mg modified-release granules

These preparations should be prescribed by brand name

OLSALAZINE

250mg capsules

1.5.2. Corticosteroids**PREDNISOLONE**

Oral preparations: See 6.3.2

20mg in 100ml enema (Predenema®)

1.5.3. Drugs affecting the immune response**ADALIMUMAB**

40mg/0.8ml pre-filled injection.

Restricted to specialist use in paediatric gastroenterology for the treatment of severe active Crohn's disease in paediatric patients (6 to 17 years of age) who have had an inadequate response to conventional therapy including primary nutrition therapy, a corticosteroid, and an immunomodulator, or who are intolerant to or have contraindications for such therapies.

INFLIXIMAB

100mg injection for infusion

Restricted to use in:

- severe refractory or fistulating Crohn's disease where therapy with other immunodulating drugs has failed or is not tolerated.
- severely active ulcerative colitis in children and adolescents aged 6 to 17 years who have had an inadequate response to conventional therapy including corticosteroids and 6-mercaptopurine or azathioprine, or who are intolerant to or have medical contraindications for such therapies. It is restricted to specialist use as an alternative to ciclosporin in patients with acute, severe paediatric ulcerative colitis (rescue therapy) who are steroid refractory.

METHOTREXATE

2.5mg, 10mg tablets

5mg/2ml, 1000mg/10ml, 2000mg injection

When dispensing is to be carried out in primary care, the 2.5mg strength tablet should be used where possible.

AZATHIOPRINE

See section 8.2.1

CICLOSPORIN

See section 8.2.1

1.6. LAXATIVES**1.6.1. Bulk-forming laxatives**

No preparations are included in the Formulary

- 1.6.2. Stimulant laxatives
- BISACODYL**
5mg tablets
5mg, 10mg suppositories
- DOCUSATE SODIUM**
12.5mg/5ml paediatric syrup
50mg/5ml syrup
- SENNA**
7.5mg tablets
7.5mg/5ml syrup
- GLYCEROL (GLYCERIN)**
1g, 2g, 4g suppositories
- SODIUM PICOSULFATE**
5mg/5ml elixir
- 1.6.3. Faecal softeners
- ARACHIS OIL ENEMA**
130ml enema
- 1.6.4. Osmotic laxatives
- LACTULOSE**
Liquid
- LAXIDO PAEDIATRIC[®]**
Sachets
Licensed for children aged 2 to 11 years.
- LAXIDO ORANGE[®]**
Sachets
Licensed for children aged 12 years and above.
- MOVICOL[®] PAEDIATRIC**
Sachets
- PHOSPHATE ENEMA[®]**
128ml enema
- MICROLAX MICRO-ENEMA[®]**
5ml enema
- 1.6.5. Bowel cleansing solutions
- KLEAN-PREP[®]**
Sachets
- SODIUM PICOSULFATE**
Picolax[®] Sachets
-
- 1.7. LOCAL PREPARATIONS FOR ANAL AND RECTAL DISORDERS
- 1.7.1. Soothing anal and rectal preparations
- ANUSOL[®]**
Cream and suppositories
- 1.7.2. Compound anal and rectal preparations with corticosteroids
No preparations are included in the Formulary
- 1.7.3. Rectal sclerosants
- OILY PHENOL INJECTION BP**
- 1.7.4. Management of anal fissures
No preparations are included in the Formulary
-
- 1.8. STOMA AND ENTERAL FEEDING TUBES
See British National Formulary for Children
-
- 1.9. DRUGS AFFECTING INTESTINAL SECRETIONS
- 1.9.1. Drugs affecting biliary composition and flow
- URSODEOXYCHOLIC ACID[°]**
150mg tablets

250mg capsules
250mg/5ml suspension

1.9.2. Bile acid sequestrants
COLESTRYRAMINE (CHOLESTYRAMINE)
4g sachets

1.9.3. Aprotinin
See section 2.11

1.9.4. Pancreatin
CREON®
10,000 unit and 25,000 unit capsules
CREON® MICRO
Restricted to use in young cystic fibrosis sufferers who are unable to swallow capsules.

2. CARDIOVASCULAR SYSTEM

2.1. POSITIVE INOTROPIC DRUGS

2.1.1. Cardiac glycosides

DIGOXIN

- 62.5microgram tablets
- 250microgram/5ml elixir
- 500microgram/2ml injection

2.1.2. Phosphodiesterase inhibitors

ENOXIMONE^O

- 100mg/20ml injection

MILRINONE^O

- 10mg/10ml injection

2.2. DIURETICS

2.2.1. Thiazides and related diuretics

CHLOROTHIAZIDE^{SP}

- 250mg/5ml suspension

METOLAZONE

- 5mg tablets

2.2.2. Loop diuretics

FUROSEMIDE (FRUSEMIDE)

- 20mg, 40mg tablets
- 4mg/ml liquid
- 20mg/2ml, 50mg/5ml and 250mg/25ml injection

2.2.3. Potassium-sparing diuretics and aldosterone antagonists

AMILORIDE

- 5mg tablets
- 5mg/5ml oral solution

POTASSIUM CANRENOATE^{SP}

- 200mg injection

SPIRONOLACTONE

- 25mg tablets
- 50mg/5ml suspension^{SP}

2.2.4. Potassium-sparing diuretics with other diuretics

- No preparations are included in the Formulary

2.2.5. Osmotic diuretics

MANNITOL

- 10% and 20% infusion (500ml)

2.2.6. Mercurial diuretics

- No preparations are included in the Formulary

2.2.7. carbonic anhydrase inhibitors

ACETAZOLAMIDE^O

- 250mg tablets
- Though this is a weak diuretic, it is more often used for glaucoma (see 11.6), epilepsy and raised intracranial pressure

2.2.8. Diuretics with potassium

- No preparations are included in the Formulary

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

2.3. ANTI-ARRHYTHMIC DRUGS

2.3.1. Management of arrhythmias

2.3.2. Drugs for arrhythmias

ADENOSINE

6mg/2ml injection

AMIODARONE HYDROCHLORIDE

150mg/3ml injection

FLECAINIDE ACETATE

100mg tablets

150mg/15ml injection

25mg/5ml liquid^{SP}**2.4. BETA-ADRENOCEPTOR BLOCKING DRUGS****ATENOLOL**

25mg, 50mg, 100mg tablets

25mg/5ml syrup

CARVEDILOL

3.125mg tablets

ESMOLOL

100mg/10ml injection

LABETALOL

100mg/20ml injection

PROPRANOLOL

10mg, 40mg tablets

5mg/5ml syrup

1mg/1ml injection

NADALOL^P

80mg tablets

30mg/5ml solution^{SP}**2.5. HYPERTENSION**

2.5.1. Vasodilator antihypertensive drugs and pulmonary hypertension

2.5.1.1. Vasodilator antihypertensives

DIAZOXIDE

50mg tablets

100mg/5ml suspension^{SP}

300mg/20ml injection

MINOXIDIL

2.5mg tablets

SODIUM NITROPRUSSIDE50mg/5ml injection^{SP}

2.5.1.2. Pulmonary hypertension

BOSENTAN

62.5mg, 125mg tablets

Restricted to initiation and prescribing by specialists in the Scottish Pulmonary Vascular Unit or similar specialists (e.g. on advice from Great Ormond Street Hospital).

EPOPROSTENOL

500microgram infusion

SILDENAFIL25mg tablets^O

10mg/ml powder for oral solution*

2mg/ml suspension^{SP}0.8mg/ml injection^O

Restricted to specialist use only.

Sildenafil injection is further restricted to specialist use in patients with clinically and echo-confirmed pulmonary arterial hypertension that can not be managed by inhaled nitric oxide (iNO) or cannot be weaned from iNO or ECMO, and when oral formulations of sildenafil are not tolerated or inappropriate.

*Please note, this new licensed preparation is a different strength to the unlicensed suspension which has been used previously.

Key to abbreviations

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

2.5.2. Centrally acting antihypertensive drugs

CLONIDINE100micrograms/5ml suspension^{SP}

150microgram/ml injection

25microgram, 100microgram tablets

Used for several other unlicensed indications, such as ADHD, tics and Gilles de Tourette syndrome

2.5.3. Adrenergic neurone blocking drugs

No preparations are included in the Formulary

2.5.4. Alpha-adrenoceptor blocking drugs

DOXAZOSIN

1mg, 2mg tablets

PHENOXYBENZAMINE HYDROCHLORIDE

10mg capsules

100mg/2ml injection

PHEHTOLAMINE MESILATE

10mg/1ml injection

2.5.5. Drugs affecting the renin-angiotensin system

2.5.5.1. Angiotensin-converting enzyme inhibitors

CAPTOPRIL

12.5mg, 25mg tablets

5mg/ml suspension^{SP}**ENALAPRIL MALEATE**

2.5mg, 5mg tablets

LISINOPRIL

2.5mg tablets

2.5.5.2. Angiotensin-II receptor antagonists

LOSARTAN

25mg tablets

2.5mg/ml suspension

2.6. NITRATES, CALCIUM-CHANNEL BLOCKERS, AND OTHER ANTIANGINAL DRUGS

2.6.1. Nitrates

GLYCERYL TRINITRATE

50mg/50ml injection

2.6.2. Calcium-channel blockers

AMLODIPINE

5mg tablets

5mg/5ml solution^{SP}**NIFEDIPINE**

5mg, 10mg capsules

20mg/ml drops^{SP}

10mg, 20mg modified-release tablets

Modified-release preparations should be prescribing by brand name

2.6.3. Other antianginal drugs

No preparations are included in the Formulary

2.6.4. Peripheral vasodilators and related drugs

No preparations are included in the Formulary

2.7. SYMPATHOMIMETICS

2.7.1. Inotropic sympathomimetics

DOBUTAMINE

250mg/20ml injection

DOPAMINE*Key to abbreviations*

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

200mg/5ml injection

ISOPRENALINE1mg/ml injection^{SP}

2.7.2. Vasoconstrictor sympathomimetics

EPHEDRINE

30mg/ml injection

NORADRENALINE (NOREPINEPHRINE)

2mg/ml acid tartrate injection (equivalent to 1mg/ml base)

PHENYLEPHRINE HYDROCHLORIDE

10mg/ml injection

2.7.3. Cardiopulmonary resuscitation

ADRENALINE (EPINEPHRINE)

1 in 10,000 pre-filled syringe (10ml)

1 in 1000 injection (1ml)

2.8. **ANTICOAGULANTS AND PROTAMINE**

2.8.1. Parenteral anticoagulants

ENOXAPARIN

20mg, 40mg, 60mg, 80mg, 100mg pre-filled syringe

300mg/3ml multidose vial

HEPARINISED SALINE

50units/5ml, 200units/2ml

500unit/500ml infusion^{SP}**HEPARIN SODIUM**

1000units/ml (5ml) injection

HEPARIN (PRESERVATIVE FREE)

1000units/ml (5ml) injection

2.8.2. Oral anticoagulants

WARFARIN

500microgram, 1mg, 3mg, 5mg tablets

2.8.3. Protamine sulphate

PROTAMINE SULPHATE

50mg/5ml injection

2.9. **ANTIPLATELET DRUGS****ASPIRIN**

75mg dispersible tablets

CLOPIDOGREL

75mg tablets

2.10. **MYOCARDIAL INFARCTION AND FIBRINOLYSIS**

2.10.1. Management of myocardial infarction

No preparations are included in the Formulary

2.10.2. Fibrinolytic drugs

ALTEPLASE

10mg, 20mg injection

UROKINASE

25,000unit injection

2.11. **ANTIFIBRINOLYTIC DRUGS AND HAEMOSTATICS****APROTININ^{SP}**

10,000units/ml (50ml) injection.

Unlicensed preparation restricted to use in cardiac surgery only

TRANEXAMIC ACID*Key to abbreviations*

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

500mg tablets
500mg/5ml injection

-
- 2.12. **LIPID-REGULATING DRUGS**
COLESTYRAMINE (CHOLESTYRAMINE)
4g sachet
ATORVASTATIN
10mg, 20mg tablet.
SIMVASTATIN^O
10mg, 20mg, 40mg tablet.

-
- 2.13. **LOCAL SCLEROSANTS**
SODIUM TETRADECYL SULPHATE
3% injection (2ml)

-
- 2.14. **DRUGS AFFECTING THE DUCTUS ARTERIOSUS**
IBUPROFEN
5mg/ml (2ml) injection
Maintenance of patency
DINOPROSTONE
1mg/ml injection (0.75ml)

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

3. RESPIRATORY SYSTEM

3.1. BRONCHODILATORS

3.1.1. Adrenoceptor agonists

SALBUTAMOL

- 100microgram/puff metered dose inhaler (MDI)
- 200microgram/puff dry powder inhaler (Accuhaler®)
- 2.5mg, 5mg nebules
- 2mg/5ml syrup

SALMETEROL

- 25microgram/puff metered dose inhaler (MDI)
- 50microgram/puff dry powder inhaler (Accuhaler®)

TERBUTALINE

- 500microgram/puff dry powder inhaler (Turbohaler®)

3.1.2. Antimuscarinic bronchodilators

IPRATROPIUM BROMIDE

- 20microgram/puff metered dose inhaler (MDI)
- 250microgram/ml (2ml) nebuliser solution

3.1.3. Theophylline

AMINOPHYLLINE

- 250mg/10ml injection

THEOPHYLLINE

- 60mg, 125mg Slow-release capsules (Slo-phyllin®)

3.1.4. Compound bronchodilator preparations

- No preparations are included in the Formulary

3.1.5. Peak flow meters, inhaler devices, and nebulisers

PEAK FLOW METERS

- Mini-Wright® (standard/low) range

AEROCHAMBER®

- Infant device with mask (orange)
- Child device with mask (yellow)

NEBUHALER®

VOLUMATIC®

3.2. CORTICOSTEROIDS

BECLOMETASONE DIPROPIONATE

- 50microgram/puff, 100microgram/puff metered dose inhaler (MDI)
- Different brands of beclometasone CFC-free inhalers are not equipotent and should be prescribed by brand name for safety reasons. The preferred brand is Clenil Modulite®

BUDESONIDE

- 50microgram/puff, 200microgram/puff metered dose inhaler (MDI)
- 100, 200microgram/puff dry powder inhaler (Turbohaler®)
- 100mcg, 200mcg, 400mcg dry powder inhaler (Easyhaler®)
- 500microgram/2ml, 1mg/2ml nebuliser solution (Respules®)
- Budesonide nebuliser solution is restricted only to hospital inpatient treatment of croup

BUDESONIDE AND FORMOTEROL (SYMBICORT®)

- 100/6, 200/6, 400/12 dry powder inhaler (Turbohaler®)

FLUTICASONE PROPIONATE

- 50microgram/puff, 125microgram/puff, 250microgram/puff metered dose inhaler (MDI)
- 50microgram/puff dry powder inhaler (Accuhaler®)

FLUTICASONE AND SALMETEROL (SERETIDE®)

- 50microgram/puff, 125microgram/puff, 250microgram/puff metered dose inhaler (MDI)
- 100microgram/puff, 250microgram/puff, 500microgram/puff dry powder inhaler (Accuhaler®)

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

3.3. CROMOGLICATE AND RELATED THERAPY AND LEUKOTRIENE RECEPTOR ANTAGONISTS

3.3.1. Cromoglicate and related therapy
No preparations are included in the Formulary

3.3.2. Leukotriene receptor antagonists

MONTELUKAST

10mg tablets
4mg sachets
4mg, 5mg chewable tablets
Use for seasonal allergic rhinitis is non-Formulary

3.4. ANTIHISTAMINES, IMMUNOTHERAPY, AND ALLERGIC EMERGENCIES

3.4.1. Antihistamines

Non-sedating antihistamines

CETIRIZINE

10mg tablets
5mg/5ml oral solution

LORATADINE

10mg tablets

Sedating antihistamines

CHLORPHENAMINE (CHLORPHENIRAMINE)

4mg tablets
2mg/5ml syrup
10mg/ml injection

HYDROXYZINE HYDROCHLORIDE

10mg tablets
10mg/5ml syrup

PROMETHAZINE HYDROCHLORIDE

5mg/5ml syrup
25mg/1ml, 50mg/2ml injection

ALIMEMAZINE (TRIMEPAZINE)

7.5mg/5ml, 30mg/5ml syrup

3.4.2. Allergen immunotherapy
No preparations are included in the Formulary

3.4.3. Allergic emergencies

ADRENALINE (EPINEPHRINE)

1 in 10,000 injection
150microgram, 300microgram auto injector (e.g. Epipen®, Anapen®, Jext®)

3.5. RESPIRATORY STIMULANTS AND PULMONARY SURFACTANTS

3.5.1. Respiratory stimulants

CAFFEINE CITRATE

10mg/ml injection
10mg/ml oral solution^{SP}
20mg/ml infusion
20mg/ml oral solution
Restricted to specialist use.

DOXAPRAM

100mg/5ml injection

3.5.2. Pulmonary surfactants

PORACTANT ALFA (CUROSURF®)

120mg/1.5ml and 240mg/3ml suspension for administration by endotracheal tube.
Restricted to specialist use in neonatal respiratory distress by consultant paediatricians and specialist registrars.

3.6. OXYGEN*Key to abbreviations*

O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

OXYGEN

Acute oxygen therapy must be prescribed on drug Kardex indicating flow and concentration

Assessment and prescribing of long-term home oxygen therapy is restricted to respiratory physicians. National systems are in place to order oxygen equipment. Please contact respiratory team or pharmacy for further information.

WATER FOR INHALATION

500ml

3.7. MUCOLYTICS**DORNASE ALFA (PULMOZYME®)**

2500unit/2.5ml nebuliser solution.

Specialist initiation only.

**3.8. AROMATIC INHALATIONS
MENTHOL CRYSTALS****3.9. COUGH PREPARATIONS****3.9.1. Cough suppressants**

Cough may be a symptom of underlying disease which should be addressed before prescribing cough suppressants. See MHRA/CHM advice March 2008 and February 2009 on use of over the counter cough and cold remedies. See MHRA/CHM advice October 2010 on use of codeine-containing preparations.

3.9.2. Expectorant and demulcent cough preparations**SIMPLE LINCTUS (CITRIC ACID)****SIMPLE LINCTUS PAEDIATRIC (CITRIC ACID)****3.10. SYSTEMIC NASAL DECONGESTANTS****PSEUDOEPHEDRINE**

30mg/5ml elixir

Restricted to patients 6 years of age and older

4. CENTRAL NERVOUS SYSTEM

4.1. HYPNOTICS AND ANXIOLYTICS

MELATONIN

Generic 3mg immediate release capsules are available, are listed in the Scottish Drug Tariff part 7U (unlicensed), and are the preferred melatonin preparation.

Melatonin is available as a licensed modified release tablet (Circadin®). Oral solution is unlicensed in the UK but manufactured as a 'special' by various manufacturers.

4.1.1. Hypnotics

PROMETHAZINE HYDROCHLORIDE

5mg/5ml syrup (also see section 3.4.1)

CHLORAL HYDRATE

500mg/5ml oral solution^{SP}

4.1.2. Anxiolytics

DIAZEPAM

2mg, 5mg tablets

2mg/5ml suspension

2.5mg, 5mg, 10mg rectal tubes

(Also see section 4.8.2, 10.2.2 and 15.1.4)

4.1.3. Barbiturates

No preparations are included in the Formulary

4.2. DRUGS USED IN PSYCHOSES AND RELATED DISORDERS

The prescription of antipsychotic medicines in children should only be done under the direction of a consultant psychiatrist experienced in treating children.

4.2.1. Antipsychotic drugs

ARIPRAZOLE

5mg, 10mg tablets

10mg orodispersible tablets

1mg/ml oral solution

Treatment for up to 12 weeks of moderate to severe manic episodes in Bipolar Disorder I in adolescents aged 13 years and older is restricted to specialist initiation and management under the supervision of a child/ adolescent psychiatrist.

CHLORPROMAZINE HYDROCHLORIDE

25mg tablets

25mg/5ml oral solution

50mg/2ml injection

LEVOMEPRMAZINE (METHOTRIMEPRAZINE)

25mg/ml injection

Not used for psychoses but used for palliative care and other indications

OLANZAPINE

2.5mg, 5mg, 10mg tablets

5mg, 10mg orodispersible tablets

PROMETHAZINE

10mg tablets and 5mg/5ml suspension

RISPERIDONE

1mg, 3mg tablets and 1mg/ml liquid

QUETIAPINE

25mg, 100mg, 200mg tablets

THIORIDAZINE

25mg/5ml syrup

4.2.2. Antipsychotic depot injections

No preparations are included in the Formulary

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

- 4.2.3. Antimanic drugs
No preparations are included in the Formulary

4.3. **ANTIDEPRESSANT DRUGS**

- 4.3.1. Tricyclic antidepressant drugs
No preparations are included in the Formulary

- 4.3.2. Monoamine-oxidase inhibitors
No preparations are included in the Formulary

- 4.3.3. Selective serotonin re-uptake inhibitors
These preparations should only be initiated after full consideration of the risks versus the benefits. Current best evidence indicates that fluoxetine may be the preferred first choice as it is licensed in children aged 8 years and above with moderate to severe major depressive episodes (see product literature for full information).

FLUOXETINE

20mg capsules

CITALOPRAM

20mg tablets

SERTRALINE

50mg, 100mg tablets

- 4.3.4. other antidepressant drugs
No preparations are included in the Formulary

4.4. **CNS STIMULANTS AND OTHER DRUGS FOR ATTENTION DEFICIT HYPERACTIVITY DISORDER**

ATOMOXETINE

10mg, 18mg, 25mg, 40mg capsules and 4mg/ml oral solution

Restricted to use in children over 6 years and adolescents who do not respond to stimulants or in whom stimulants are contraindicated or not tolerated. The oral solution is restricted to patients who are unable to swallow capsules.

DEXAMFETAMINE

5mg tablets

GUANFACINE

1mg, 2mg, 3mg, 4mg prolonged release tablets

Restricted to specialist initiation for the treatment of attention deficit hyperactivity disorder (ADHD) in children and adolescents 6 to 17 years old for whom stimulants are not suitable, not tolerated or have been shown to be ineffective. Treatment must be used as part of a comprehensive ADHD treatment programme, typically including psychological, educational and social measures.

LISDEXAMFETAMINE

20mg, 30mg, 40mg, 50mg, 60mg 70mg capsules

Restricted to specialist initiation for children aged 6 years of age and over as part of a comprehensive treatment programme for attention deficit/hyperactivity disorder (ADHD).

METHYLPHENIDATE

5mg, 10mg tablets

18mg modified-release tablets (Concerta® XL)

10mg, 20mg, 30mg modified-release tablets (Equasym® XL)

Modified-release preparations are restricted to second-line therapy where there is evidence of compliance problems or where clear evidence that administration of a midday dose is problematic or inappropriate

4.5. **DRUGS USED IN THE TREATMENT OF OBESITY**

No preparations are included in the Formulary

4.6. **DRUGS USED IN NAUSEA AND VERTIGO**

CYCLIZINE

50mg tablets

50mg/ml injection

DOMPERIDONE

10mg tablets

5mg/5ml suspension

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

HYOSCINE HYDROBROMIDE

300microgram tablets
1mg/72hours patch

LEVOMEPRMAZINE

6mg ^{SP}, 25mg tablets
25mg/ml injection

LORAZEPAM

4mg/ml injection

METOCLOPRAMIDE

10mg tablets
5mg/5ml syrup
10mg/2ml injection

ONDANSETRON

4mg tablets
4mg/5ml SF syrup
4mg/2ml, 8mg/4ml injection
4mg, 8mg orodispersible films (Setofilm[®]), which are restricted to patients with an enhanced risk of aspiration or who experience difficulties in swallowing.

PALONOSETRON

250 microgram injection.
Restricted to specialist use for the prevention of acute nausea and vomiting associated with highly emetogenic cancer chemotherapy and prevention of nausea and vomiting associated with moderately emetogenic cancer chemotherapy, in paediatric patients 1 month of age and older.

4.7. ANALGESICS**4.7.1. Non-opioid analgesics**

For non-steroidal anti-inflammatory medicines, see section 10.1.1

PARACETAMOL

500mg tablets
500mg soluble tablets
120mg/5ml sugar-free suspension,
250mg/5ml sugar-free suspension (not commonly used in hospitals)
60mg, 120mg, 240mg, 500mg suppositories
10mg/ml infusion (restricted to hospital use only in accordance with local protocol)

4.7.2. Opioid analgesics**DIAMORPHINE**

5mg, 10mg, 30mg, 100mg, 500mg injection

DIHYDROCODEINE

30mg tablets
10mg/5ml elixir

FENTANYL

100microgram/2ml
500microgram/10ml injection
12microgram/hour, 25microgram/hour, 50microgram/hour, 75microgram/hour and 100microgram/hour patch

METHADONE

10mg/ml injection^{SP}
Restricted to initiation by the Pain Team

MORPHINE SULPHATE

10mg, 20mg tablets (Sevredol[®])
10mg, 30mg, 60mg, 100mg SR tablets (MST[®])
10mg/5ml, 100microgram/ml^{SP}, 200microgram/ml^{SP} oral solution
20mg, 30mg, 60mg, 100mg suspension (MST[®] Continus)
10mg/1ml, 60mg/2ml injection, 100mg/50ml injection

4.7.3. Neuropathic pain**AMITRIPTYLINE^O**

10mg, 25mg tablets
25mg/5ml oral solution
Restricted to initiation on the advice of the Pain Team or on the advice of neurology.

CARBAMAZEPINE

See section 4.8.1
Restricted to initiation on the advice of the Pain Team

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

GABAPENTIN

See section 4.8.1

Restricted to initiation on the advice of the Pain Team

4.7.4. Antimigraine drugs

PIZOTIFEN

500microgram tablets

250microgram/5ml elixir

SUMATRIPTAN

50mg tablets

4.8. **ANTIEPILEPTICS**

4.8.1. Control of epilepsy

Where it is essential in all cases to maintain a patient on a specific brand or manufacturer's preparation, this is indicated in the relevant Formulary entry. For all other antiepileptic medicines, when being used to treat epilepsy, there is no requirement to be maintained on a specific brand or manufacturer's preparation, unless the prescriber considers, following a discussion with each individual patient at the next review, that an individual patient's circumstances require the need for continuity of supply of a particular specific manufacturer or brand (e.g. seizure risk, treatment history or other concerns, such as patient anxiety, risk of confusion or dosing errors).

ACETAZOLAMIDE

250mg tablets. See section 2.2.7 and 11.6 for other uses

CARBAMAZEPINE

Note: Patients should be maintained on a specific brand or manufacturer's preparation and prescribing by brand name should be followed where possible.

100mg tablets

200mg MR tablets

100mg/5ml suspension

125mg, 250mg suppositories

CLOBAZAM

10mg tablets

CLONAZEPAM

500microgram, 2mg tablets

ETHOSUXIMIDE

25mg capsules

250mg/5ml syrup

GABAPENTIN

100mg, 300mg capsules

LACOSAMIDE

50mg, 100mg tablets

Restricted to patients with refractory epilepsy.

Non-formulary as monotherapy for partial-onset seizures with or without generalisation in patients 16-18 years of age as not recommended by SMC.

LAMOTRIGINE

25mg, 50mg, 100mg tablets

5mg, 25mg dispersible tablets

LEVETIRACETAM

250mg tablets

100mg/ml oral solution

100mg/ml intravenous infusion (hospital use only)

NITRAZEPAM

2.5mg/5ml suspension

OXCARBAZEPINE

150mg tablets

300mg/5ml suspension^P**PERAMPANEL**

2mg, 4mg, 6mg, 8mg, 10mg, 12mg tablets

Use as adjunctive treatment of partial-onset seizures with or without secondarily generalised seizures in patients with epilepsy aged 12 years and older is restricted to initiation by specialists in epilepsy

PHENOBARBITONE

Note: Patients should be maintained on a specific brand or manufacturer's preparation and prescribing by brand name should be followed where possible

15mg, 30mg, 60mg tablets

50mg/5ml oral solution^{SP} (alcohol and sugar-free)*Key to abbreviations*

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

15mg/ml, 30mg/ml, 60mg/ml injection

PHENYTOIN

Note: Patients should be maintained on a specific brand or manufacturer's preparation and prescribing by brand name should be followed where possible

25mg, 50mg, 100mg capsules (Epanutin®)

50mg chewable tablets

30mg/5ml suspension

250mg/5ml injection

PRIDOXAL-5-PHOSPHATE^{SP}

50mg tablets

RUFINAMIDE

100mg tablets

Rufinamide is restricted to use in patients who have failed treatment with or are intolerant of alternative traditional antiepileptic drugs

SODIUM VALPROATE

200mg, 500mg EC tablets

100mg crushable tablets

200mg, 500mg MR tablets (Epilim® Chrono)

200mg/5ml sugar-free liquid

50mg MR granules (Epilim® Chronosphere)

400mg injection

TOPIRAMATE

25mg tablets

15mg, 25mg sprinkle capsules

TRIPLE BROMIDE^{SP}

1200mg/5ml solution

VIGABATRIN

500mg tablets

500mg sachets

ZONISAMIDE

25mg, 50mg, 100mg capsules

Restricted to initiation on the advice of specialists (paediatric neurologists or paediatricians with an expertise in epilepsy).

4.8.2. Drugs used in status epilepticus

CLONAZEPAM

1mg/1ml injection

DIAZEPAM

2.5mg, 5mg, 10mg rectal tubes

10mg/2ml injection (emulsion)

LORAZEPAM

4mg/1ml injection (other strengths may be in use)

MIDAZOLAM

10mg/ml buccal liquid^{SP}

5mg/ml oromucosal solution available in 2.5mg, 5mg, 7.5mg and 10mg pre-filled oral syringe.

When prescription and dispensing in the community, the licensed 5mg/ml oromucosal solution should be used.

PARALDEHYDE

50% rectal solution in olive oil^{SP}

PHENYTOIN

250mg/5ml injection

4.8.3. Febrile convulsions See BNF for Children

4.9. DRUGS USED IN DYSTONIAS AND RELATED DISORDERS

4.9.1. Dopaminergic drugs used in dystonias

CO-CARELDOPA^O

12.5/50 tablets

4.9.2. Antimuscarinic drugs used in dystonias

PROCYCLIDINE

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

5mg tablets
10mg/2ml injection

4.9.3. drugs used in essential tremor, chorea, tics, and related disorders

BOTULINUM TOXIN A

50unit, 500unit injection

Prescribe by brand name, as indications and bioequivalence may vary between preparations

4.10. **DRUGS USED IN SUBSTANCE DEPENDENCE**

No preparations are included in the Formulary

4.11. **DRUGS FOR DEMENTIA**

No preparations are included in the Formulary

5. INFECTIONS

5.1. ANTIBACTERIAL DRUGS

5.1.1. Penicillins

AMOXICILLIN

250mg, 500mg capsules
125mg/5ml, 250mg/5ml oral SF suspension
250mg, 500mg injection
3g sachets

CO-AMOXICLAV

125/31 and 250/62 suspension
375mg tablets
600mg and 1200mg injection

BENZYLPENICILLIN

600mg injection

FLUCLOXACILLIN

250mg, 500mg capsules
125mg/5ml and 250mg/5ml SF suspension
250mg, 500mg, 1g injection

PHENOXYMETHYLPENICILLIN (PENICILLIN V)

250mg tablets
125mg/5ml, 250mg/ml suspension

PIPERACILLIN WITH TAZOBACTAM

2.25g, 4.5g injection

5.1.2. Cephalosporins and other beta-lactams

CEFOTAXIME

500mg, 1g injection

CEFTAZIDIME

250mg, 500mg, 1g, 2g injection

CEFUROXIME

250mg, 750mg, 1500mg injection

CEFALEXIN

250mg tablets
250mg/5ml suspension

CEFTRIAZONE

250mg, 1g injection

AZTREONAM

500mg, 1g, 2g injection
Restricted to use for Cystic Fibrosis patients or on the advice of microbiology or infectious disease physicians

MEROPENEM

500mg, 1g injection

IMIPENEM WITH CILASTIN (PRIMAXIN®)

500mg injection

5.1.3. Tetracyclines

See section 13.6.2 for tetracyclines used in the treatment of acne

DOXYCYCLINE

100mg/5ml Injection^{SP}

5.1.4. Aminoglycosides

AMIKACIN

100mg/2ml, 500mg/2ml injection

GENTAMICIN

20mg/2ml, 80mg/2ml injection
5mg/5ml intrathecal injection

TOBRAMYCIN

40mg/1ml, 80mg/2ml injection

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

60mg/ml, 75mg/ml nebuliser solution

Restricted to use for Cystic Fibrosis patients or on the advice of microbiology or infectious disease physicians.

5.1.5. Macrolides

AZITHROMYCIN

250mg capsules

200mg/5ml suspension

CLARITHROMYCIN

250mg tablets

125mg/5ml paediatric suspension

500mg injection

ERYTHROMYCIN

250mg tablets

125mg/5ml, 250mg/5ml suspension

1g injection

5.1.6. Clindamycin

CLINDAMYCIN

75mg capsules

75mg/5ml suspension^{SP}

300mg/2ml injection

5.1.7. Some other antibacterials

COLOMYCIN^O

1 mega unit, 2 mega unit injection used for nebulisation

LINEZOLID

2mg/ml IV infusion (300ml)

Restricted to use only on the advice of microbiology or infectious disease physicians.

SODIUM FUSIDATE

250mg tablets

175mg/5ml suspension,

500mg injection

TEICOPLANIN

200mg injection

VANCOMYCIN

500mg injection

5.1.8. Sulphonamides and trimethoprim

CO-TRIMOXAZOLE

480mg tablets

240mg/5ml paediatric suspension

480mg/5ml suspension

480mg/5ml IV infusion

TRIMETHOPRIM

100mg tablets

50mg/5ml SF suspension

5.1.9. Antituberculosis drugs

ETHAMBUTOL

100mg tablets

ISONIAZID

50mg, 100mg tablets

50mg/5ml liquid^{SP}

PYRAZINAMIDE

500mg tablets^{SP}

RIFAMPACIN

150mg, 300mg capsules

100mg/5ml suspension

RIFINAH[®]

Available as '150' and '300' preparations

Key to abbreviations

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

- 5.1.10. Antileprotic drugs
DAPSONE
Restricted to specialist initiation
- 5.1.11. Metronidazole
METRONIDAZOLE
200mg tablets
200mg/5ml suspension
500mg/100ml IV infusion
500mg suppositories
- 5.1.12. Quinolones
CIPROFLOXACIN
250mg tablets
250mg/5ml suspension
100mg/50ml, 200mg/100ml IV infusion
- 5.1.13. Urinary-tract infections
TRIMETHOPRIM
100mg tablets
50mg/5ml SF suspension
NITROFURANTOIN
50mg capsules
25mg/5ml suspension

5.2. **ANTIFUNGAL DRUGS**

AMPHOTERICIN

- 50mg infusion
- 50mg liposomal infusion

CASPOFUNGIN

- 50mg, 70mg IV infusion
- Restricted to hospital use only.

Caspofungin is restricted to paediatric patients with fluconazole-resistant *Candida* infection unresponsive to or who cannot tolerate amphotericin B therapy. It is not recommended by SMC for invasive aspergillosis. Restricted for empirical therapy for presumed fungal infections in febrile, neutropenic paediatric patients on the advice of microbiologists or specialists in infectious diseases.

FLUCONAZOLE

- 50mg, 200mg capsules
- 50mg/5ml suspension
- 50mg/25ml, 200mg/10ml injection

ITRACONAZOLE

- 100mg capsules
- 50mg/5ml SF oral liquid

MICONAZOLE

- 25mg/ml oral gel

NYSTATIN

- 100,000 units/ml suspension

POSACONAZOLE

- 200mg/5ml suspension
- Restricted to hospital use only.

Use for the prophylaxis of invasive fungal infections in immunocompromised patients is restricted to patients in whom there is a specific risk of aspergillus infection or where fluconazole or itraconazole are not tolerated in accordance with local protocol.

VORICONAZOLE

- 50mg, 200mg tablets
- 200mg/5ml oral suspension
- 200mg IV infusion
- Restricted to hospital use only.

Restricted to use in secondary care on the advice of microbiologist/ haematologist primarily in immuno-compromised patients with progressive, possibly life-threatening infections. Treatment of candidaemia in non-neutropenic patients is restricted to those who cannot tolerate amphotericin B therapy or who are at an increased risk of serious side effects with amphotericin.

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

5.3. ANTIVIRAL DRUGS**5.3.1. HIV infection**

See BNF for Children and GGC Adult Formulary for restrictions on use. All antivirals are to be used under the supervision of a Paediatric HIV specialist.

5.3.2. Herpes virus infections**ACICLOVIR**

200, 400mg dispersible tablets

200mg/5ml suspension

250mg/10ml for IV infusion

CIDOFOVIR

375mg/5ml injection (specialist use only)

GANCICLOVIR

500mg infusion

VALGANCLOVIR

450mg tablets

250mg/5ml oral solution

Restricted to use by HIV specialists, ophthalmologists specialising in ocular issues associated with HIV infection and physicians experienced in the care of post-transplant patients.

5.3.3. Viral hepatitis

Also see BNF for Children and GGC Adult Formulary.

PEGYLATED INTERFERON ALFA-2B (VIRAFERON PEGOL®)

Restricted to specialist use in a combination regimen with ribavirin for the treatment of children 3 years of age and older and adolescents, who have chronic hepatitis C, not previously treated, without liver decompensation, and who are positive for HCV-RNA

PEGYLATED INTERFERON ALFA-2A (PEGASYS®)

Restricted to prescribing by specialists in paediatric infectious disease or paediatric gastroenterology. Formulary in combination with ribavirin for the treatment of chronic hepatitis C (CHC) in treatment-naïve children and adolescents 5 years of age or older who are positive for serum hepatitis-C-virus ribonucleic acid (HCV-RNA).

ENTECAVIR (BARACLUDE®)

Restricted to use by specialists in paediatric infectious diseases for the treatment of chronic hepatitis B virus infection in nucleoside naïve paediatric patients from 2 to <18 years of age with compensated liver disease who have evidence of active viral replication and persistently elevated serum alanine aminotransferase levels, or histological evidence of moderate to severe inflammation and/or fibrosis.

5.3.4. Influenza**OSELTAMIVIR**

30mg, 45mg, 75mg capsule

6mg/ml SF suspension

Use in the prophylaxis and treatment of influenza is subject to NICE TA158 and TA168

5.3.5. Respiratory syncytial virus**PALIVIZUMAB**

50, 100mg injection (restricted to use according to West of Scotland Treatment Protocol)

RIBAVIRIN

1200mg/12ml injection^{SP} (specialist use only)

5.4. ANTIPROTOZOAL DRUGS**5.4.1. Antimalarials****CHLOROQUINE**

50mg/5ml syrup

200mg/5ml injection

PYRIMETHAMINE^P

25mg tablets

PRIMAQUINE^P

7.5mg tablets

PROGUANIL

100mg tablets

QUININE

600mg/2ml injection

Quinine IV should be administered with caution under the supervision of a specialist in infectious diseases.

Key to abbreviations

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

- 5.4.2. Amoebicides
See metronidazole (section 5.1.11)
- 5.4.3. Trichomonacides
See metronidazole (section 5.1.11)
- 5.4.4. Antigiardial drugs
See metronidazole (section 5.1.11)
- 5.4.5. Leishmaniacides
See BNF for Children
- 5.4.6. Trypanocides
See BNF for Children
- 5.4.7. Drugs for toxoplasmosis
PYRIMETHAMINE^P
50mg tablets
Restricted to specialist use in combination with sulfadiazine
- 5.4.8. Drugs for pneumocystis pneumonia
ATOVAQUONE
750mg/5ml suspension
Restricted to use only on the advice of a specialist in infectious diseases

CO-TRIMOXAZOLE

- 480mg tablets
240mg/5ml paediatric suspension
480mg/5ml adult suspension
480mg/5ml for IV infusion

DAPSONE

See section 5.1.10

PENTAMIDINE

300mg injection

5.5. ANTHELMINTICS

- 5.5.1. Drugs for threadworms
MEBENDAZOLE
100mg tablets
PIPERAZINE
Piperazine 4g/Sennosides 15.3mg sachet (Pripsen®)
- 5.5.2. Ascaricides
See BNF for Children
- 5.5.3. Drugs for tapeworm infections
See BNF for Children
- 5.5.4. Drugs for hookworms
See BNF for Children
- 5.5.5. Schistosomicides
See BNF for Children
- 5.5.6. Filaricides
See BNF for Children
- 5.5.7. drugs for cutaneous larva migrans
See BNF for Children

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

- 5.5.8. Drugs for strongyloidiasis
See BNF for Children

6. ENDOCRINE SYSTEM

6.1. DRUGS USED IN DIABETES

6.1.1. Insulins

HUMAN SOLUBLE INSULIN

Actrapid[®], Novorapid[®]

HUMAN ISOPHANE INSULIN

Insulatard[®]

BISPHASIC INSULIN

Humulin M3[®]

INSULIN LISPRO (HUMALOG[®])

Humalog[®]

INSULIN DETEMIR (LEVEMIR[®])

Restricted to initiation by consultant diabetologists in children aged 1 year and over, and adolescent patients with severe/frequent nocturnal hypoglycaemia in patients unable to achieve good glycaemic control with established insulins. Not for routine use in type 2 diabetes unless patient suffers from recurrent episodes of hypoglycaemia.

INSULIN GLARGINE (LANTUS[®])

Restricted to the initiation by consultant diabetologists for the treatment of diabetes mellitus in children aged 2 years and above in patients with type 1 diabetes who are at risk of or experience unacceptable frequency and/or severity of nocturnal hypoglycaemia on attempting to achieve better hypoglycaemic control during treatment with established insulins. It is also acceptable as a once daily insulin therapy for patients who require carer administration of their insulin. In patients with type 2 diabetes it should be restricted to those who suffer from recurrent episodes of hypoglycemia or require assistance with their insulin injections.

6.1.2. Oral antidiabetic drugs

METFORMIN

500mg tablets

500mg in 5ml SF oral solution

Excludes modified-release preparations

6.1.3. Diabetic ketoacidosis

See BNF for Children and DKA protocol on StaffNet for further information on the management of diabetic ketoacidosis.

6.1.4. Treatment of hypoglycaemia

DIAZOXIDE^P

50mg tablets

100mg/5ml suspension^{SP}

300mg/20ml injection

GLUCAGON

1mg injection

GLUCOSE

Glucose 10% IV infusion

Glucose oral gel (Glucogel[®])

OCTREOTIDE^O

50, 100 microgram/ml injection

CHLOROTHIAZIDE^O

See section 2.2.1 for details

6.1.5. Treatment of diabetic nephropathy and neuropathy

See BNF for Children

6.1.6. Diagnostic and monitoring agents for diabetes mellitus

See BNF for Children

6.2. THYROID AND ANTITHYROID DRUGS

6.2.1. Thyroid hormones

LEVOTHYROXINE

25microgram, 50microgram, 100microgram tablets

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

LIOTHYRONINE

20microgram injection

The injection is restricted to specialist use only.

6.2.2. Antithyroid drugs

CARBIMAZOLE

5mg, 20mg tablets

AQUEOUS IODINE (LUGOL'S IODINE)

130mg/ml solution

Restricted to specialist use only.

PROPYLTHIOURACIL

50mg tablets

Restricted to specialist initiation.

6.3. **CORTICOSTEROIDS**

6.3.1. Replacement therapy

FLUCORTISONE ACETATE

100microgram tablets

HYDROCORTISONE

10mg tablets

Hydrocortisone sodium phosphate 100mg injection (preferred for home use)

Hydrocortisone sodium succinate 100mg injection

6.3.2. Glucocorticoid therapy

DEXAMETHASONE

500microgram, 2mg tablets

10mg/5ml elixir^{SP}

10mg/2ml injection

METHYLPREDNISOLONE

40mg, 500mg injection

40mg/ml depot injection

PREDNISOLONE

1mg, 5mg, 25mg tablets

5mg soluble tablets

6.4. **SEX HORMONES**

6.4.1. Female sex hormones

ETHINYLESTRADIOL

10microgram tablets

2mg tablets^{SP}**NORETHISTERONE**

5mg tablets

6.4.2. Male sex hormones and antagonists

TESTOSTERONE

Testosterone undecanoate 40mg capsules

Testosterone propionate 100mg, 250mg oily injection

Testosterone enantate 250mg/ml oily injection

GOSERELIN

10.8mg implant

Restricted to specialist initiation for precocious puberty

TRIPTORELIN

3.75mg, 11.25mg depot injection

Restricted to specialist initiation for precocious puberty

6.4.3. Anabolic steroids

OXANDROLONE^{SP}

2.5mg tablets

Key to abbreviations

O Licensed preparation being used for an unlicensed indication

P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary

SP Available as an unlicensed or special preparation

-
- 6.5. **HYPOTHALAMIC AND PITUITARY HORMONES**
- 6.5.1. Hypothalamic and anterior pituitary hormones including growth hormones
- CHORIONIC GONADOTROPHIN**
5000 units injection
- GONADORELIN**
100microgram injection
- PROTERELIN**
200microgram/2ml injection
- SOMATROPIN (RECOMBINANT HUMAN GROWTH HORMONE)**
The treatment of growth disturbance in short children born small for gestational age and who have failed to show catch-up growth by 4 years of age or later is restricted to initiation and monitoring by a paediatrician with expertise in managing childhood growth disorders and growth hormone therapy.
- TETRACOSACTIDE (TETRACOSACTRIN)**
250microgram/ml injection (Synacthen®)
1mg/1ml depot injection (Synacthen Depot®)
- 6.5.2. Posterior pituitary hormones and antagonists
- ARGIPRESSIN**
20units/ml injection
- DESMOPRESSIN**
200microgram tablets
120microgram oral lypophilisates
100microgram/ml intranasal solution
4microgram/ml injection
10microgram/dose nasal spray
150microgram/dose nasal spray (only for use in the management of mild haemophilia A or Von Willebrand disease)
-
- 6.6. **DRUGS AFFECTING BONE METABOLISM**
- 6.6.1. Calcitonin
See BNF for Children (restricted to specialist use only)
- 6.6.2. Bisphosphonates
- DISODIUM PAMIDRONATE**
15mg IV infusion
-
- 6.7. **OTHER ENDOCRINE DRUGS**
- 6.7.1. Bromocriptine and other dopaminergic drugs
No preparations are included in the Formulary
- 6.7.2. Drugs affecting gonadotrophins
See section 6.4.2
- 6.7.3. Metyrapone
No preparations are included in the Formulary
- 6.7.4. Somatomedins
- MECASERMIN**
10mg/ml injection
Restricted to specialist use only in accordance with protocol

7. OBSTETRICS, GYNAECOLOGY, AND URINARY-TRACT DISORDERS

7.1. DRUGS USED IN OBSTETRICS

No preparations are included in the Formulary

7.2. TREATMENT OF VAGINAL AND VULVAL CONDITIONS

7.2.1. Preparations for vaginal and vulval changes

No preparations are included in the Formulary

7.2.2. Vaginal and vulval infections

CLOTRIMAZOLE

1% cream

100mg, 500mg pessaries

7.3. CONTRACEPTIVES

7.3.1. Combined hormonal contraceptives

See GGC Adult Formulary and BNF for Children

7.3.2. Progestogen-only contraceptives

No preparations are included in the Formulary

7.3.3. Spermicidal contraceptives

No preparations are included in the Formulary

7.3.4. Contraceptive devices

No preparations are included in the Formulary

7.3.5. Emergency contraception

No preparations are included in the Formulary

7.4. DRUGS FOR GENITO-URINARY DISORDERS

7.4.1. Drugs for urinary retention

DOXAZOSIN

1mg, 2mg tablets

7.4.2. Drugs for urinary frequency, enuresis, and incontinence

OXYBUTYNIN

5mg tablets

5mg, 10mg modified-release tablets

7.4.3. Drugs used in urological pain

POTASSIUM CITRATE

Effercitrate® tablets

SODIUM BICARBONATE

600mg tablets

8.4% (1mmol/ml) oral solution^{SP}

7.4.4. Bladder instillations and urological surgery

CHLORHEXADINE 0.02%

100ml Uro-Tainer®

SODIUM CHLORIDE 0.9%

100ml Uro-Tainer®

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
 P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
 SP Available as an unlicensed or special preparation

- 7.4.5. Drugs for erectile dysfunction
No preparations are included in the Formulary

8. MALIGNANT DISEASE AND IMMUNOSUPPRESSION

8.1. CYTOTOXIC DRUGS

Cytotoxic medicines should only be used by or under the direction of an experienced clinician and treatment should follow recognised approved protocols

Drugs for cytotoxic-induced side effects

ALLOPURINOL

100mg tablets

100mg/5ml suspension^{SP}

FOLINIC ACID

15mg tablets

50mg/5ml injection

MESNA

400mg/4ml, 1000mg/10ml injection

RASBURICASE

1.5g, 7.5mg injection

GELCLAIR[®]

15ml sachets

8.1.1. Alkylating drugs

BUSULFAN (BUSULPHAN)

2mg tablets

6mg/ml IV infusion

CHLORAMBUCIL

2mg tablets

CYCLOPHOSPHAMIDE

500mg, 1g injection

50mg tablets

Suspension^{SP}

IFOSFAMIDE

500mg, 1g, 2g injection

MELPHALEN

100mg injection

8.1.2. Cytotoxic antibiotics

BLEOMYCIN

15mg injection

DACTINOMYCIN (ACTINOMYCIN D)

500microgram injection

DAUNORUBICIN

20mg injection

DOXORUBICIN

10mg, 50mg injection

EPIRUBICIN

10mg, 50mg injection

MITOMYCIN

2mg injection

MITOXANTRONE (MITOZANTRONE)

2mg/ml IV infusion (available as 10ml, 12.5ml and 15ml vials)

8.1.3. Antimetabolites

CLOFARABINE

1mg/ml (20ml) injection

CYTARABINE

20mg/ml (5ml) and 100mg/ml (10ml) injection

FLUDARABINE

50mg injection

MERCAPTOPYRINE

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

50mg tablets
 10mg tablets^{SP}
 100mg/5ml Suspension

METHOTREXATE

2.5mg, 10mg tablets
 When dispensing is to be carried out in primary care, the 2.5mg strength tablet should be used where possible.
 5mg/2ml, 1000mg/10ml, 2000mg injection
 10mg/5ml Suspension^{SP}

TIOGUANINE

40mg tablets
 10mg capsules^{SP}
 50mg/5ml Suspension^{SP}

8.1.4. Vinca alkaloids and etoposide

ETOPOSIDE

100mg/5ml injection

VINBLASTINE

10mg injection

VINCRIStINE

1mg/1ml, 2mg/2ml injection

8.1.5. Other antineoplastic drugs

AMSACRINE

50mg/ml (1.5ml) injection

ARSENIC TRIOXIDE

1mg/ml injection

ASPARAGINASE

10,000 unit injection (Erwinase®)
 5,000 unit injection (Medac® asparinase)
 Pegylated asparaginase 3,750 unit injection^{SP}

CARBOPLATIN

50mg, 150mg, 450mg injection

CISPLATIN

10mg, 50mg injection

DECARBAZINE

100mg, 500mg injection

IMATINIB

100mg tablets

The treatment of paediatric patients with newly diagnosed Philadelphia chromosome positive acute lymphoblastic leukaemia (Ph+ ALL) integrated with chemotherapy is not recommended for use in NHS Scotland by the SMC and is non-Formulary.

PROCARBAZINE

50mg capsules

TEMOZOLOMIDE

5mg, 20mg, 100mg capsules

TRETINOIN

10mg capsules

8.2. DRUGS AFFECTING THE IMMUNE RESPONSE

Many of the medicines in this section may also be included in other sections of the Formulary, particular sections 1.5.3 and 10.1.3.

8.2.1. Antiproliferative immunosuppressants

AZATHIOPRINE

25mg, 50mg tablets
 50mg injection

MYCOPHENOLATE MOFETIL

250mg capsules
 1g/5ml oral suspension

8.2.2. Corticosteroids and other immunosuppressants

CICLOSPORIN

10mg, 25mg, 50mg, 100mg capsules

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

100mg/ml liquid
50mg/ml injection

SIROLIMUS

0.5mg, 1mg tablets
1mg/ml oral solution

TACROLIMUS

0.5mg, 1mg, 5mg immediate-release capsules
200microgram, 1mg granules (as sachets)
Suspension^{SP}

8.2.3. Rituximab and alemtuzumab

ALEMTUZUMAB^O

30mg/ml concentrate of IV infusion. Specialist use only.
Use in patients <17 years of age is unlicensed

RITUXIMAB

100mg injection. Specialist use only.

8.2.4. Other immunomodulating drugs

No preparations are included in the Formulary

8.3. **SEX HORMONES AND HORMONES ANTAGONISTS IN MALIGNANT DISEASE**

8.3.1. **Oestrogens**

No preparations are included in the Formulary

8.3.2. **Progestogens**

No preparations are included in the Formulary

8.3.3. **Androgens**

No preparations are included in the Formulary

8.3.4. **Hormone antagonists**

See section 6.4

9. NUTRITION AND BLOOD

9.1. ANAEMIAS AND SOME OTHER BLOOD DISORDERS

9.1.1. Iron deficiency anaemias

Oral iron

FERROUS FUMARATE

210mg tablets. (contains 68mg iron)

140mg/5ml syrup (contains 45mg iron in 5ml)

FERROUS SULPHATE

200mg tablets (contains 65mg iron)

SODIUM FEREDATE

190mg/5ml elixir (contains 27.5mg iron in 5ml)

Parenteral iron

IRON SUCROSE

100mg/5ml injection (Venofer®)

9.1.2. Drugs used in megaloblastic anaemias

Also seen folic acid in section 8.1

FOLIC ACID

5mg tablets

2.5mg/5ml syrup

HYDROXOCOBALAMIN

1mg/1ml injection

9.1.3. Drugs used in hypoplastic, haemolytic, and renal anaemias

EPOETIN BETA

500units, 1000units, 2000units injection

DEFERASIROX

125mg, 250mg, 500mg dispersible tablets

Restricted to patients with myelodysplastic syndrome with an International Prognostic Scoring System (IPSS) score of low or intermediate -1 risk.

DEFERRIOXAMINE MESILATE

500mg injection

9.1.4. Drugs used in platelet disorders

ELTROMBOPAG

25mg tablets

Restricted to use in patients of 1 year or older with severe symptomatic ITP or a higher risk of bleeding.

9.1.5. G6PD deficiency

No preparations are included in the Formulary

9.1.6. Drugs used in neutropenia

LENOGRASTIM

105microgram, 263microgram injection

9.2. FLUIDS AND ELECTROLYTES

9.2.1. Oral preparations for fluid and electrolyte imbalance

Oral potassium

POTASSIUM CHLORIDE

Effervescent tablets (Sando-K®) 12mmol of K⁺ per tablet

600mg MR tablets (Slow-K®) 8mmol of K⁺ per tablet

5mmol/5ml syrup (Kay-Cee-L®)

Management of hyperkalaemia

CALCIUM RESONIUM®

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

RESONIUM A®

Oral sodium

SODIUM CHLORIDE600mg MR tablets (Slow Sodium®) 10mmol Na⁺ per tablet

Oral rehydration salts

DIORALYTE®

Oral powder

Oral bicarbonate

SODIUM BICARBONATE500mg capsules, 6mmol of HCO₃⁻ per tablet.
8.4% (1mmol/ml) Oral solution^{SP}

9.2.2. Parenteral preparations for fluid and electrolyte imbalance

Electrolytes and water

GLUCOSE 5%

50ml, 100ml, 250ml, 500ml, 1000ml

PLASMA-LYTE® 148500ml
1000ml**PLASMA-LYTE® 148 WITH GLUCOSE 5%**500ml
1000ml**HALF-STRENGTH RINGER-LACTATE IN
GLUCOSE 5%**

500ml

SODIUM CHLORIDE 0.45%

500ml

SODIUM CHLORIDE 0.9%

50ml, 100ml, 250ml, 500ml, 1000ml

**SODIUM CHLORIDE 0.9% WITH
POTASSIUM CHLORIDE 0.3%**500ml contains 20mmol of K⁺**GLUCOSE 5% & SODIUM CHLORIDE 0.45%**

500ml

GLUCOSE 5% & SODIUM CHLORIDE 0.45% WITH POTASSIUM CHLORIDE 0.15%500ml contains 10mmol of K⁺**GLUCOSE 5% & SODIUM CHLORIDE 0.45% WITH POTASSIUM CHLORIDE 0.3%**500ml contains 20mmol of K⁺**GLUCOSE 5% WITH POTASSIUM CHLORIDE 0.3%**500ml contains 20mmol of K⁺**GLUCOSE 10%**

500ml, 1000ml

GLUCOSE 10% & SODIUM CHLORIDE 0.18%

500ml

POTASSIUM CHLORIDE 15% INJECTION (CONC)

10ml. CAUTION: Controlled preparation. Potassium Chloride 15% injection is a concentrated potassium injection that is subject to close control on use in light of risks of inadvertent use and errors. Ready-made infusion bags should be used in preference wherever possible.

SODIUM BICARBONATE 8.4%

250ml

WATER FOR INJECTION

Plasma substitutes

GELOFUSINE®

500ml

HUMAN ALBUMIN

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

9.3. INTRAVENOUS NUTRITION

Intravenous nutrition should only be initiated following advice from pharmacy or an experienced clinician.

9.4. ORAL NUTRITION**9.4.1. Foods for special diets**

GLUTAMINE
FRUCTOOLIGOSACCHARIDE

9.4.2. Enteral nutrition

No preparations are included in the Formulary

9.5. MINERALS**9.5.1. Calcium and magnesium****CALCIUM GLUCONATE**

10% injection, 10ml (equivalent to 2.26mmol in 10ml)

CALCIUM CHLORIDE

10% injection 10ml (equivalent to 6.8mmol in 10ml)

CALCIUM-SANDOZ[®]

Syrup contains 108.3mg of calcium per 5ml (equivalent to 2.7mmol in 5ml)

SANDOCAL[®] 400

Effervescent tablets each containing 400mg of calcium (equivalent to 10mmol per tablet)

SANDOCAL[®] 1000

Effervescent tablets each containing 1000mg of calcium (equivalent to 25mmol per tablet)

CALCICHEW[®]

Contain calcium 500mg per tablet (equivalent to 12.5mmol per tablet)

CO-MAGALDROX

195/220 Suspension.

Brands include Maalox[®] and Mucogel[®]

MAGNESIUM CITRATE

6mmol tablets (Magasorb)^U

MAGNESIUM L-ASPARTATE

5mmol sachets ^U

10mmol sachets (Magnasparte)

MAGNESIUM SULPHATE

50% injection, contains approximately 2mmol of Mg²⁺ per ml

9.5.2. Phosphorous**PHOSPHATE-SANDOZ[®]**

Each tablet contains 16.1mmol of phosphate

POTASSIUM ACID PHOSPHATE

13.6% oral solution (equivalent to 1mmol/ml phosphate)

13.6% injection (equivalent to 1mmol/ml phosphate)

CALCIUM CARBONATE^{SP}

250mg dispersible tablets for use as a phosphate-binder

CALCIUM ACETATE

1g tablets (Phosex) for use as a phosphate binder

SEVELAMER HYDROCHLORIDE

800mg tablets for use as a phosphate binder

SEVELAMER CARBONATE

2.4g sachets for use as a phosphate binder

9.5.3. Fluoride

No preparations are included in the Formulary

9.5.4. Zinc**ZINC SULPHATE**

125mg effervescent tablets(Solvazinc[®])

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

- 9.6. VITAMINS**
- 9.6.1. Vitamin A**
100,000units/2ml injection^{SP}
150,000units/ml oral drops^{SP}
- 9.6.2. Vitamin B group**
PYRIDOXINE
50mg tablets
50mg/2ml injection^{SP}
THIAMINE
50mg tablets
100mg/2ml injection^{SP}
- 9.6.3. Vitamin C**
ASCORBIC ACID
50mg, 200mg tablets
- 9.6.4. Vitamin D**
ALFACALCIDOL
0.25microgram, 1microgram capsules
2mg/ml liquid

CALCICHEW-D₃[®]
Contains 500mg calcium and 200units of colexiferol per tablet
COLECALCIFEROL
2500units/ml oral liquid (Solgar Liquid Vitamin D3) is a food supplement rather than a medicine.
50,000units
ERGOCALCIFEROL (CALCIFEROL)
300,000units/ml injection
3000units/ml oral solution^{SP}
- 9.6.5. Vitamin E**
ALPHA TOCOPHERYL ACETATE
50mg tablets
500mg/5ml suspension
100mg injection^{SP}
- 9.6.6. Vitamin K**
PHYTOMENADIONE
1mg capsules (restricted to use in prevention of neonatal haemorrhagic disease where IM treatment is not applicable)
1mg/0.5ml neonatal injection
10mg/ml injection (Konakion[®] MM Paediatric)
MENADIOL
10mg tablets^{SP}
- 9.6.7. Multivitamin preparations**
VITAMINS CAPSULES BPC
DALIVIT[®]
Oral drops.
FORCEVAL[®]
Adult and Junior Capsules
KETOVITE[®]
Available as tablets and liquid

-
- 9.7. BITTERS AND TONICS**
No preparations are included in the Formulary

-
- 9.8. METABOLIC DISORDERS**
- 9.8.1. Drugs used in metabolic disorders**
ARGININE (L-ARGININE)
500mg/ml and 600mg/ml injection
100mg/ml oral solution

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

500mg capsules

BETAINE

Anhydrous powder (Cystadane®)
500mg/ml powder for oral solution^{SP}

BIOTIN (VITAMIN H)^{SP}

5mg tablets

CARGLUMIC ACID (CARBAMYL GLUTAMATE)

200mg dispersible tablets

CARNITINE (LEVOCARNITINE)

300mg/ml oral solution
200mg/ml injection

GLYCINE

500mg tablet^{SP}

MERCAPTAMINE (CYSTEAMINE)

50mg, 100mg capsules
0.55% eye drops

NITISINONE (NTBC)

2mg, 5mg, 10mg capsules

SODIUM BENZOATE

500mg tablets
100mg/ml oral solution^{SP}
20% injection

SODIUM DICHLOROACETATE

50mg/ml oral solution ^{SP}

SODIUM PHENYLBUTYRATE

500mg tablets
940mg/1g granules (Ammonaps® granules)
483mg/1g granules (Pheburane®)

Note: Granule formulations are not dose equivalent and are not interchangeable and should be prescribed by brand name to avoid confusion.

200mg/ml injection^{SP}

UBIDECARENONE (CO-ENZYME Q10, UBIQUINONE)^{SP}

30mg, 120mg capsules
Used primarily for mitochondrial disorders

- 9.8.2. Acute porphyrias
No preparations are included in the Formulary

10. MUSCULOSKELETAL AND JOINT DISEASES

10.1. DRUGS USED IN RHEUMATIC DISEASES

Many of the medicines listed in this section, for example corticosteroids and immunomodulating drugs will also be included for other indications else where in the formulary, for example sections 1.5.3 and 8.1.

10.1.1. Non-steroidal anti-inflammatory drugs

ASPIRIN

300mg dispersible tablets

DICLOFENAC

25mg, 50mg enteric-coated tablets

50mg dispersible tablets

75mg/3ml injection

12.5mg, 25mg, 50mg, 100mg suppositories

50mg/5ml suspension^{SP}

IBUPROFEN

200mg tablets

100mg/5ml suspension

INDOMETACIN (INDOMETHACIN)

25mg capsules

25mg/5ml suspension^{SP}

NAPROXEN

250mg tablets

PIROXICAM

10mg dispersible tablets

10.1.2. Corticosteroids

DEXAMETHASONE

10mg/2ml injection

METHYLPREDNISOLONE ACETATE

40mg/ml injection

TRIAMCINOLONE HEXACETONIDE

10mg/ml, 20mg/ml and 40mg/ml injection (for intra-articular or intramuscular injection)

10.1.3. Drugs that suppress the rheumatic disease process

ABATACEPT

250mg infusion.

125mg sub-cutaneous injection

Specialist use only. Use in combination with methotrexate for the treatment of moderate to severe active polyarticular juvenile idiopathic arthritis in patients aged 6 years who have had an insufficient response to other DMARDs including at least one tumour necrosis factor (TNF) inhibitor is restricted to specialists working within paediatric rheumatology.

ADALIMUMAB

40mg/0.8ml pre-filled injection.

Specialist use only. Use in the treatment of active polyarticular juvenile idiopathic arthritis in children and adolescents aged 2 to 17 years who have had an inadequate response to one or more DMARDs, is restricted to specialists working within paediatric rheumatology. Combination treatment with methotrexate is the primary option.

Use for the treatment of active enthesitis-related arthritis in patients, 6 years of age and older, who have had an inadequate response to, or who are intolerant of, conventional therapy is restricted to specialist rheumatology services (including those working within the network for paediatric rheumatology).

CHLOROQUINE

50mg/ml syrup

CICLOSPORIN

10mg, 25mg, 50mg, 100mg capsules

100mg/ml liquid

50mg/ml injection

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

ETANERCEPT

25mg injection.

Specialist use only. Restricted to specialists working within paediatric rheumatology (including those working within the network for paediatric rheumatology) for the following indications:

- active polyarticular juvenile idiopathic arthritis in children and adolescents from the age of 2 years who have had an inadequate response to, or who have proved intolerant of, methotrexate
- psoriatic arthritis in adolescents from the age of 12 years who have had an inadequate response to, or who have proved intolerant of, methotrexate;
- enthesitis-related arthritis in adolescents from the age of 12 years who have had an inadequate response to, or who have proved intolerant of, conventional therapy.

HYDROXYCHLOROQUINE SULPHATE

200mg tablets

METHOTREXATE

2.5mg, 10mg tablets

When dispensing is to be carried out in primary care, the 2.5mg strength tablet should be used where possible.

5mg/2ml injection

PENICILLAMINE

125mg tablets

SULFASALAZINE (SULPHASALAZINE)

500mg tablets

250mg/5ml suspension

TOCILIZUMAB

20mg/ml concentrate for infusion.

Specialist use only. Use in the treatment of active systemic juvenile idiopathic arthritis in children and adolescents from the age of 2 years who have had an inadequate response to NSAIDs and systemic corticosteroids or previous therapy with methotrexate, is restricted to specialists working within paediatric rheumatology. Monotherapy is accepted use in case of intolerance to methotrexate or where continued treatment with methotrexate is inappropriate.

10.1.4. Cytotoxic-induced hyperuricaemia

ALLOPURINOL

100mg tablets

RASBURICASE

1.5mg, 7.5mg injection

10.1.5. Other drugs for rheumatic diseases

No preparations are included in the Formulary

10.2. **DRUGS USED IN NEUROMUSCULAR DISORDERS**

10.2.1. Drugs that enhance neuromuscular transmission

EDROPHONIUM CHLORIDE

10mg/ml injection

DISTIGMINE BROMIDE

500microgram/ml injection

NEOSTIGMINE

2.5mg/ml injection

PYRIDOSTIGMINE

60mg tablets

10.2.2. Skeletal muscle relaxants

BACLOFEN

10mg tablets

5mg/5ml liquid

DANTROLENE SODIUM

25mg capsules

DIAZEPAM

2mg, 5mg tablets

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
 P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
 SP Available as an unlicensed or special preparation

2mg/5ml suspension
10mg/2ml injection
10mg/2ml emulsion injection

10.3. DRUGS FOR THE RELIEF OF SOFT-TISSUE INFLAMMATION

10.3.1. Enzymes

HYALURONIDASE

1500 unit injection

10.3.2. Rubefacients and other topical antirheumatics

KAOLIN POULTICE

Key to abbreviations

O Licensed preparation being used for an unlicensed indication
P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP Available as an unlicensed or special preparation

11. EYE

Prescribers should be aware that single-dose preparations of eye drops should only be used in those patients who are unable to tolerate preservatives. Generally, these preparations are much more expensive than regular eye drops.

11.1. ADMINISTRATION OF DRUGS TO THE EYE

Eye preparations are generally available as either eye drops or as eye ointments. The BNF for Children contains useful advice pertaining to the practical use of these preparations. In brief, eye ointments will cause more short-term blurriness due to the nature of their composition than eye drops.

11.2. CONTROL OF MICROBIAL CONTAMINATION

Eye preparations are generally sterile preparations and once opened will only be suitable for use for a short period, the length of which will depend on whether or not preservative is included in the Formulation. When using antibacterial eye preparations to treat infection in both eyes, it is good practice in the acute setting to dispense one pack for each eye labelled clearly to avoid cross-contamination. Again, the BNF for Children contains further advice on this.

11.3. ANTI-INFECTIVE EYE PREPARATIONS

11.3.1. Antibacterials

CHLORAMPHENICOL

- 0.5% eye drops
- 1% eye ointment
- 0.5% preservative-free single dose units

FUSIDIC ACID

- 1% eye drops

GENTAMICIN

- 0.3% drops for eye or ear

NEOMYCIN SULPHATE

- 0.5% eye drops
- 0.5% eye ointment

OFLOXACIN

- 0.3% eye drops

11.3.2. Antifungals

No preparations are included in the Formulary

11.3.3. Antivirals

ACICLOVIR

- 3% eye ointment

11.4. CORTICOSTEROIDS AND OTHER ANTI-INFLAMMATORY PREPARATIONS

11.4.1. Corticosteroids

BETAMETHASONE

- 0.1% drops for eye, ear or nose
- 0.1% eye ointment

DEXAMETHASONE

- 0.1% eye drops

PREDNISOLONE

- 0.5% drops for eye or ear (Predsol®)
- 1% eye drops (Predsol Forte®)

11.4.2. Other anti-inflammatory preparations

OTRIVINE-ANTISTIN®

- Eye drops

SODIUM CROMOGLICATE

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

2% eye drops

11.5. MYDRIATICS AND CYCLOPLEGICS**ATROPINE**

- 0.5% eye drops
- 1% eye drops
- 1% preservative-free single dose unit (Minims®)

CYCLOPENTOLATE

- 0.5% eye drops
- 1% preservative-free single dose units (Minims®)

PHENYLEPHRINE

- 2.5% preservative-free single dose units (Minims®)
- 10% preservative-free single dose units (Minims®)

TROPICAMIDE

- 0.5% preservative-free single dose units (Minims®)
 - 1% preservative-free single dose units (Minims®)
-

11.6. TREATMENT OF GLAUCOMA**ACETAZOLAMIDE**

- 250mg tablets
- 500mg injection

PILOCARPINE

- 1% eye drops

TIMOLOL

- 0.25% eye drops
- 0.5% eye drops

TRAVOPROST

- 40 micrograms/ml eye drops
 - Restricted to specialist initiation
-

11.7. LOCAL ANAESTHETICS**TETRACAINE (AMETHOCAINE)**

- 0.5% preservative-free single dose units (Minims®)

OXYBUPROCAINE (BENOXINATE)

- 0.4% preservative-free single dose units (Minims®)

PROXYMETACAINE

- 0.5% preservative-free single dose units (Minims®)
-

11.8. MISCELLANEOUS OPHTHALMIC PREPARATIONS**11.8.1. Tear deficiency, ocular lubricants, and astringents****HYPROMELLOSE**

- 0.3% eye drops

LACRI-LUBE®

- Eye ointment

SIMPLE EYE OINTMENT**SODIUM CHLORIDE (SALINE)**

- 0.9% preservative-free single dose units (Minims®)

11.8.2. Ocular diagnostic and peri-operative preparations and photodynamic treatment**DICLOFENAC**

- 0.1% eye drops

FLUORESCEIN SODIUM

- 1% preservative-free single dose units (Minims®)
- 2% preservative-free single dose units (Minims®)

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

11.9. CONTACT LENSES

No preparations are included in the Formulary

12. EAR, NOSE, AND OROPHARYNX**12.1. DRUGS ACTING ON THE EAR****12.1.1. Otitis externa****BETAMETHASONE**

0.1% drops for eye, ear or nose

PREDNISOLONE

0.5% drops for eye or ear (Predsol®)

LOCORTEN-VIOFORM®

Flumetasone 0.02%, clioquinol 1% ear drops

GENTAMICIN

0.3% drops for eye or ear

GENTISONE® HC

Gentamicin 0.3%, hydrocortisone 1% ear drops

OTOSPORIN®

Neomycin 3400units, polymyxin B sulphate 10,000units/ml, hydrocortisone 1% ear drops

SOFRADEX®

Framycetin 0.5%, dexamethasone 0.05%, gramicidin 0.005% drops for ear or eye

OFLOXACIN

0.3% eye drops (may be used as eardrops)^o

12.1.2. Otitis media

No preparations are included in the Formulary.

See section 5.1 for systemic antibacterials which may be used.

12.1.3. Removal of ear wax

No preparations are included in the Formulary.

12.2. DRUGS ACTING ON THE NOSE**12.2.1. Drugs used in nasal allergy****BECLOMETASONE DIPROPIONATE**

50microgram/spray aqueous nasal spray

BETAMETASONE

0.1% nasal drops

MOMETASONE FUROATE

50micrograms/spray nasal spray

12.2.2. Topical nasal decongestants**EPHEDRINE**

0.5%, 1% nasal drops

XYLOMETAZOLINE

0.05%, 0.1% nasal drops

12.2.3. Nasal preparations for infection**MUPIROCIN (BACTROBAN®)**

2% nasal ointment

NASEPTIN®

Chlorhexidine hydrochloride 0.1%, neomycin sulphate 0.5%

12.3. DRUGS ACTING ON THE OROPHARYNX**12.3.1. Drugs for oral ulceration and inflammation****BENZYDAMINE (DIFFLAM®)**

0.15% oral rinse or 0.15% spray

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

LIDOCAINE AND CETYLPYRIDINIUM (CALGEL TEETHING GEL[®])

12.3.2. Oropharyngeal anti-infective drugs

MICONAZOLE

2% oral gel

NYSTATIN

100,000units/ml oral suspension

12.3.3. Lozenges and sprays

No preparations are included in the Formulary.

12.3.4. Mouthwashes and gargles

CHLORHEXIDINE GLUCONATE

0.2% mouthwash, 1% dental gel

THYMOL

Mouthwash solution-tablets

12.3.5. Treatment of dry mouth

No preparations are included in the Formulary.

13. SKIN

13.1. MANAGEMENT OF SKIN CONDITIONS

- 13.1.1. Vehicles
- 13.1.2. Suitable quantities for prescribing
- 13.1.3. Excipients and sensitisation

13.2. EMOLLIENT AND BARRIER PREPARATIONS

13.2.1. Emollients

AQUEOUS CREAM^P

Used as a soap substitute

DIPROBASE[®]

Cream or ointment^P

EMULSIFYING OINTMENT^P

HYDROMOL[®] OINTMENT

LIQUID AND WHITE SOFT PARAFFIN OINTMENT

Liquid paraffin 50%, white soft paraffin 50%

YELLOW SOFT PARAFFIN^P

13.2.2. Barrier preparations

SIOPEL^{®P}

Cream

METANIUM^{®P}

Ointment

VASOGEN^{®P}

Cream

ZINC AND CASTOR OIL

Ointment

13.3. TOPICAL ANTIPRURITICS

CALAMINE LOTION

CROTAMITON (EURAX[®])

10% cream

13.4. TOPICAL CORTICOSTEROIDS

BETAMETASONE DIPROPIONATE

0.05% cream or ointment (Diprosone[®])

BETAMETASONE VALERATE

0.1% cream or ointment

0.025% cream or ointment (Betnovate-RD[®])

CLOBETASOL PROPIONATE

0.05% cream or ointment (Dermovate[®])

CLOBETASONE BUTYRATE

0.05% cream or ointment (Eumovate[®])

HYDROCORTISONE

0.5% cream or ointment

1% cream or ointment

MOMETASONE FUROATE

0.1% ointment (Elocon[®])

Combinations of steroids and antimicrobials

HYDROCORTISONE AND CLOTRIMAZOLE (CANESTEN HC[®])

1% hydrocortisone and 1% clotrimazole cream

HYDROCORTISONE AND MICONAZOLE NITRATE

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

(DAKTACORT®)

1% hydrocortisone and 2% miconazole cream

HYDROCORTISONE ACETATE AND FUSIDIC ACID**(FUCIDIN H®)**

1% hydrocortisone acetate and 2% fusidic acid cream

BETAMETHASONE VALERATE AND FUSIDIC ACID**(FUCIBET®)**

0.1% betamethasone and 2% fusidic acid cream

CLOBETASONE BUTYRATE, OXYTETRACYCLINE AND NYSTATIN (TRIMOVATE®)

0.05% clobetasone butyrate, 3% oxytetracycline and 100,000 units/g nystatin in a cream

13.5. PREPARATIONS FOR ECZEMA AND PSORIASIS**13.5.1. Preparations for eczema****ZINC AND ICTHAMMOL 1% OINTMENT^{SP}**

Also known as Ichthammol 1% Special Ointment

13.5.2. Preparations for psoriasis**COAL TAR IN YELLOW SOFT PARAFFIN^{SP}**

Available as 1%, 2%, 5% and 10%

DITHRANOL OINTMENT BP

Available in various strengths

DITHRANOL

Available in Yellow Soft Paraffin or Lassar's paste in various strengths

SALICYLIC ACID AND SULPHUR IN YELLOW SOFT PARAFFIN^{SP}

Only to be used when alternative preparations from the NHS GG&C Approved Dermatology Specials list are not appropriate.

SALICYCLIC ACID, SULHUR AND CADE OIL IN YELLOW SOFT PARAFFIN^{SP}

Only to be used when alternative preparations from the NHS GG&C Approved Dermatology Specials list are not appropriate

13.5.3. Drugs affecting the immune response**ADALIMUMAB**

40mg/0.8ml pre-filled injection.

Specialist use only. Treatment of severe chronic plaque psoriasis in children and adolescents from 4 years of age who have had an inadequate response to or are inappropriate candidates for topical therapy and phototherapies is restricted to patients with severe disease as defined by a total Psoriasis Area Severity Index (PASI) score of ≥ 10 and a Dermatology Life Quality Index (DLQI) of >10 . Specialist use only for the treatment of enthesitis-related arthritis in patients from 6 years of age who have had an inadequate response to, or who are intolerant of, conventional therapy.

AZATHIOPRINE

See section 8.2.1

METHOTREXATE

2.5mg, 10mg tablets

When dispensing is to be carried out in primary care, the 2.5mg strength tablet should be used where possible.

ETANERCEPT

10mg, 25mg injection.

Use for the treatment of chronic severe plaque psoriasis in children from the age of 6 years and adolescents is restricted to specialist use in patients where the disease:

- is severe as defined by a total Psoriasis Area Severity Index (PASI) of 10 or more and a Dermatology Life Quality Index (DLQI) of more than 10
- has failed to respond to standard systemic therapies or the patient is intolerant to, or has a contraindication to these treatments

Etanercept should be discontinued in patients whose psoriasis has not responded adequately at 12 weeks

USTEKINUMAB

45mg injection and prefilled syringe

The treatment of moderate to severe plaque psoriasis in adolescent patients from the age of 12 years and older, who are inadequately controlled by, or are intolerant to, other systemic therapies or phototherapies is restricted to specialist initiation. Continued treatment should be restricted to patients who achieve at least 75% improvement in their Psoriasis Area and Severity Index (PASI 75) within 16 weeks.

13.6. ACNE AND ROSACEA*Key to abbreviations*

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

- 13.6.1. Topical preparations
No preparations are included in the Formulary.

- 13.6.2. Oral preparations for acne
ISOTRETINOIN
5mg, 20mg capsules
Restricted to use in hospitals under specialist dermatological supervision
LYMECYCLINE
408mg capsules

13.7. PREPARATIONS FOR WARTS AND CALLUSES

- SALACTOL[®]**
SILVER NITRATE^P
95% caustic pencil

13.8. SUNSCREENS AND CAMOUFLAGERS

- 13.8.1. Sunscreen preparations
SUNSENSE ULTRA[®]
This preparation has a protective effect of SPF 60.
ACBS restrictions apply to prescribing in primary care.

- 13.8.2. Camouflagers
No preparations are included in the Formulary.

13.9. SHAMPOOS AND OTHER PREPARATIONS FOR SCALP CONDITIONS

- POLYTAR[®]**
Please note: contains arachis (peanut) oil

13.10. ANTI-INFECTIVE SKIN PREPARATIONS

- 13.10.1. Antibacterial preparations
FLAMAZINE[®]
Silver sulfadiazine 1% cream
FUCIDIN[®]
Fusidic acid 2% cream or sodium fusidate 2% ointment
MUPIROCIN
2% ointment (Bactroban[®])
CHLORAMPHENICOL
1% eye ointment may be applied to wounds (unlicensed use)
POLYMXIN B
Polyfax ointment
- 13.10.2. Antifungal preparations
CLOTRIMAZOLE
1% cream
MICONAZOLE
Miconazole nitrate 2% cream
NYSTAFORM[®]
Cream containing nystatin 100,000 units/g and chlorhexidine hydrochloride 1% (Nystaform[®])
- 13.10.3. Antiviral preparations
ACICLOVIR
5% cream

- 13.10.4. Parasitocidal preparations
DIMETICONE
 4% lotion (Hedrin®)
MALATHION
 0.5% liquid in aqueous base (Derbac-M®)
PERMETHRIN
 5% dermal cream (Lyclear® Dermal Cream)
- 13.10.5. Preparations for minor cuts and abrasions
MAGNESIUM SULPHATE PASTE BP
INDERMIL®
 Tissue adhesive for use in Emergency Departments only

- 13.11. **SKIN CLEANSERS AND ANTISEPTICS**
- 13.11.1. Alcohols and saline
INDUSTRIAL METHYLATED SPIRITS BP
SODIUM CHLORIDE
 0.9% solution (25ml and 100ml sachets)
- 13.11.2. Chlorhexidine salts
CHLORHEXIDINE GLUCONATE
 0.5% solution in alcoholic base hand rub
 4% surgical scrub
 0.05% solution (100ml sachets)
- 13.11.3. Cationic surfactants and soaps
CETRIMIDE
 0.15% cetrimide with 0.015% chlorhexidine gluconate
 (Tisept®, Travasept 100®)
- 13.11.4. Iodine
POVIDONE-IODINE
 10% alcoholic tincture (Videne®)
 10% antiseptic solution in an aqueous base (Videne®)
 7.5% surgical scrub in an aqueous base (Videne®)
 2.5% dry powder spray (Betadine®)
- 13.11.5. Phenolics
- 13.11.6. Oxidisers and dyes
HYDROGEN PEROXIDE SOLUTION BP
 6% solution (20 vols)
- 13.11.7. Preparations for promotion of wound healing
 No preparations are included in the Formulary

- 13.12. **ANTIPERSPIRANTS**
 No preparations are included in the Formulary

- 13.13. **TOPICAL CIRCULATORY PREPARATIONS**
 No preparations are included in the Formulary

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
 P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
 SP Available as an unlicensed or special preparation

14. IMMUNOLOGICAL PRODUCTS AND VACCINES

14.1. ACTIVE IMMUNITY

14.2. PASSIVE IMMUNITY

14.3. STORAGE AND USE

14.4. VACCINES AND ANTISERA

BACILLUS CALMETTE-GUERIN (BCG) VACCINE

TUBERCULIN PPD

PEDIACEL[®]

Diphtheria, tetanus, pertussis (acellular, component), poliomyelitis (inactivated) and haemophilus type b conjugate vaccine (absorbed)

Used for primary immunisation

REPEVAX[®]

Adsorbed diphtheria (low dose), tetanus, pertussis (acellular, component) and poliomyelitis (inactivated) vaccine.

Used for pre-school booster

REVAXIS[®]

Adsorbed diphtheria (low dose), tetanus and poliomyelitis (inactivated) vaccine.

Used for teenage booster

HAEMOPHILUS INFLUENZA TYPE B (HIB) VACCINE

HEPATITIS B VACCINE

MEASLES, MUMPS AND RUBELLA VACCINE (MMR)

PNEUMOCOCCAL VACCINE

Brands include Prevenar 13[®] and Pneumovax[®] II

INFLUENZA VACCINE (SEASONAL FLU)

MENINGOCOCCAL GROUP C CONJUGATE VACCINE

VARICELLA-ZOSTER VACCINE

14.5. IMMUNOGLOBULINS

Human Normal Immunoglobulin is available according to indications identified in the "Clinical Guideline for Immunoglobulin Use" and upon receipt of a completed request. [Click here](#) for more details.

TETANUS IMMUNOGLOBULIN

250units injection (specialist request only)

VARICELLA ZOSTER IMMUNOGLOBULIN

250mg injection (specialist request only)

HEPATITIS IMMUNOGLOBULIN

500units injection (specialist request only)

14.6. INTERNATIONAL TRAVEL

No preparations are included in the Formulary

15. ANAESTHESIA

15.1. GENERAL ANAESTHESIA

15.1.1. Intravenous anaesthetics

ETOMIDATE

2mg/ml injection (10ml amp)

Restricted to specialist use

KETAMINE

200mg/20ml, 500mg/5ml and 500mg/10ml injection

Restricted to specialist use

PROPOFOL

10mg/ml (1%) injection (emulsion)

Restricted to specialist use

THIOPENTAL SODIUM

500mg injection

Restricted to specialist use

15.1.2. Inhalational anaesthetics

HALOTHANE^{SP,P}

Restricted to specialist use

ISOFLURANE

Restricted to specialist use

SEVOFLURANE

Restricted to specialist use

DESFLURANE

Restricted to specialist use

NITROUS OXIDE

Restricted to specialist use

EQUANOX[®]

50% nitrous oxide and 50% oxygen

15.1.3. Antimuscarinic drugs

ATROPINE SULPHATE

400, 600microgram injection

Restricted to specialist use

GLYCOPYRRONIUM BROMIDE

200microgram/ml injection

Restricted to specialist use

HYOSCINE HYDROBROMIDE

400microgram injection

Restricted to specialist use

15.1.4. Sedative and analgesic peri-operative drugs

15.1.4.1. Anxiolytics, neuroleptics and antihistamines

ALIMEMAZINE

30mg/5ml syrup

CHLORPROMAZINE

25mg/ml injection

DIAZEPAM

10mg/2ml injection for infusion

10mg/2ml emulsion injection

LORAZEPAM

4mg/ml injection

MIDAZOLAM

2mg/ml injection

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

PROMETHAZINE HYDROCHLORIDE

25mg/ml injection

TEMAZEPAM

10mg/5ml oral solution

15.1.4.2. Non-opioid analgesics

DICLOFENAC

75mg/3ml injection

12.5mg, 25mg, 50mg, 100mg suppositories

15.1.4.3. Opioid analgesics

ALFENTANIL

500microgram/ml injection

FENTANYL

50microgram/ml injection

MORPHINE SULPHATE

500microgram/ml injection

10mg/ml, 15mg/ml, 30mg/ml injection

PETHIDINE HYDROCHLORIDE

50mg/ml, 100mg/2ml injection

REMIFENTANIL

1mg injection

15.1.5. Neuromuscular blocking drugs

ATRACURIUM BESILATE

4mg/ml injection

PANCURONIUM BROMIDE

4mg/2ml injection

ROCURONIUM BROMIDE

4mg/ml injection

SUXAMETHONIUM CHLORIDE

100mg/2ml injection

VECURONIUM BROMIDE

10mg vial

15.1.6. Anticholinesterases used in anaesthesia

NEOSTIGMINE METILSULFATE

2.5mg/ml injection

GLYCOPYRRONIUM-NEOSTIGMINE

2.5mg neostigmine, 500microgram glycopyrronium

15.1.7. Antagonists for central and respiratory depression

DOXAPRAM

100mg/5ml injection

FLUMAZENIL

100microgram/ml injection

NALOXONE HYDROCHLORIDE

40microgram/2ml injection

400microgram/ml injection

15.1.8. Drugs for malignant hyperthermia

DANTROLENE SODIUM

20mg vial

15.2. LOCAL ANAESTHESIA

ETHYL CHLORIDE^P

Spray.

TETRACAINE (AMETHOCAINE)

4% topical gel

Key to abbreviations

- O Licensed preparation being used for an unlicensed indication
- P Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
- SP Available as an unlicensed or special preparation

BUPIVACAINE HYDROCHLORIDE

0.25%, 0.5% injection

BUPIVACAINE AND ADRENALINE

0.25%, 0.5% bupivacaine with 1 in 200,000 adrenaline

EMLA[®]

Lidocaine 2.5%, prilocaine 2.5% topical cream

LIDOCAINE HYDROCHLORIDE

1%, 2% injection

2% topical gel

4% topical solution

4% cream (LMX4 hospital use only)

10% spray

LIDOCAINE WITH ADRENALINE

Lidocaine 1%, 2% with adrenaline 1 in 200,000

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation

APPENDIX 1: EMERGENCY TREATMENT OF POISONING

Advice on the treatment of poisoning is available from the UK National Poisons Information Service (0844 892 0111) or from TOXBASE (www.toxbase.org - username and password required)

ACETYLCYSTEINE

2g in 10ml injection

ACTIVATED CHARCOAL

1.04g/5ml oral suspension (Actidose-Aqua®)

DEFERRIOXAMINE MESILATE

500mg injection

DICOBALT EDETATE

15mg/5ml injection (20ml)

DIMERCAPROL

50mg/ml injection

NALOXONE HYDROCHLORIDE

40microgram/2ml injection

400microgram/ml injection

SODIUM CALCIUM EDETATE

200mg/ml injection

Key to abbreviations

O	Licensed preparation being used for an unlicensed indication
P	Preparation is only included in the Paediatric Formulary and is not included in the GGC Adult Formulary
SP	Available as an unlicensed or special preparation