

## 8 Immune system and malignant disease

Not all oncology or haemato-oncology medicines that may be used for Forth Valley patients are listed in this chapter. Specialist cancer drugs that have been recommended for use in NHS Scotland by the [Scottish Medicines Consortium](#) can be used for the stated indication if they have been approved for use by the West of Scotland Cancer Network (WOSCAN). Use of these medicines should be in accordance with any guidelines/ protocols produced by WOSCAN <https://www.intranet.woscan.scot.nhs.uk/>

**Comment:** Please refer to Superior Vena Cava Obstruction Treatment Guideline for Acute Services, Superior Vena Cava Obstruction Guideline for Primary Care, Malignant Spinal Cord Compression Guideline for Secondary Care & Malignant Spinal Cord Compression Guideline for Primary Care ([http://www.qifv.scot.nhs.uk/CE\\_ClinicalGuidelines.asp](http://www.qifv.scot.nhs.uk/CE_ClinicalGuidelines.asp))

1 Immune system disorders and transplantation		Primary Care	Acute/ Specialist Services
<b>Immunosuppressants - Antimetabolites</b>			
	Azathioprine	⊕	✓
<b>Immunosuppressants – Calcineurin Inhibitors and Related Drugs</b>			
	Ciclosporin (preferred brand for capsules is Neoral <sup>®</sup> )	⊕	✓
	Tacrolimus (prescribe by brand)	⊕	✓
<b>Comment:</b> Due to differences in bioavailability between different brands. All prescriptions for ciclosporin and tacrolimus must be brand name only.			
<b>Immunosuppressants – Purine Synthesis Inhibitors</b>			
	Mycophenolate mofetil	⊕	✓

1.1 Multiple sclerosis		Primary Care	Acute/ Specialist Services
<b>Comment:</b> Prescribing of medicines for multiple sclerosis should be in accordance with SMC advice and restrictions and in line with local treatment pathway.			
<b>Immunostimulants - Other</b>			
	Cladribine (Mavenclad <sup>®</sup> )		✓
	Glatiramer Acetate (Copaxone <sup>®</sup> )		✓
<b>Immunostimulants – Immunomodulating Drugs</b>			
	Dimethyl Fumarate (Tecfidera <sup>®</sup> )		✓
	Fingolimod (Gilenya <sup>®</sup> )		✓
	Siponimod (Mayzent <sup>®</sup> )		✓
<b>Immunostimulants – Monoclonal Antibodies – Anti-lymphocyte</b>			
	Alemtuzumab (Lemtrada <sup>®</sup> )		✓
	Natalizumab (Tysabri <sup>®</sup> )		✓
	Ocrelizumab (Ocrevus <sup>®</sup> )		✓

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	Ofatumumab (Kesimpta <sup>®</sup> )		✓
<b>Comment:</b> Ocrelizumab - Approved for relapsing-remitting multiple sclerosis (RRMS) and primary progressive multiple sclerosis (PPMS)			
<b>Immunostimulants – Pyrimidine Synthesis Inhibitors</b>			
	Teriflunomide (Aubagio <sup>®</sup> )		✓
<b>Cholinergic Receptor Stimulating Drugs</b>			
	Fampridine (Fampyra <sup>®</sup> )		✓

### Malignant Disease

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3 Cytotoxic responsive malignancy	Primary Care	Acute/ Specialist Services
<b>Antineoplastic Drugs – Alkylating Agents</b>		
	Chlorambucil	✓
	Cyclophosphamide	⊕
<b>Antineoplastic Drugs - Antimetabolites</b>		
	Mercaptopurine	⊕
	Methotrexate	⊕
<b>Comment:</b> For patients, who are receiving s/c methotrexate the NHS FV preferred brand is Metoject <sup>®</sup>		
<b>Antineoplastic Drugs – Cytotoxic Antibiotics and Related Substances</b>		
	Bleomycin	✓
	Mitomycin-C	✓
	Hydroxycarbamide	⊕
<b>Comment:</b> Shared care is in place for the prescribing and monitoring of hydroxycarbamide in the community		

4 Hormone responsive malignancy	Primary Care	Acute/ Specialist Services
<b>Antineoplastic Drugs – Anti-Androgens</b>		
	Abiraterone Acetate	✓
	Bicalutamide	⊕
	Enzalutamide	✓

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	Flutamide	⊕	✓
<b>Oestrogens</b>			
	Diethylstilbestrol	⊕	✓
<b>Pituitary and Hypothalamic Hormones and Analogues – Anti-Gonadotrophin-releasing Hormones</b>			
	Degarelix	⊕	✓
<b>Pituitary and Hypothalamic Hormones and Analogues – Somatostatin Analogues</b>			
	Lanreotide (Somatuline Autogel <sup>®</sup> ) (1 <sup>st</sup> line)	⊕	✓
<b>Comment:</b> 1 <sup>st</sup> line for the treatment of metastatic neuroendocrine disorders			
	Octreotide (2 <sup>nd</sup> line)	⊕	✓
	Pasireotide (Signifor <sup>®</sup> )	⊕	✓
<b>Progestogens</b>			
	Medroxyprogesterone acetate	✓	✓
	Megestrol acetate	✓	✓

4.1 Hormone responsive breast cancer	Primary Care	Acute/ Specialist Services
<b>Antineoplastic Drug – Anti-Oestrogens</b>		
	Fulvestrant (Faslodex <sup>®</sup> )	⊕ ✓
	Tamoxifen	⊕ ✓
<b>Hormone Antagonists and Related Agents – Aromatase Inhibitors</b>		
	Anastrozole	⊕ ✓
	Exemestane	⊕ ✓
	Letrozole	⊕ ✓

5 Immunotherapy responsive malignancy	Primary Care	Acute/ Specialist Services
<b>Immunostimulants – Interferons</b>		
	Interferon alfa-2a (Roferon-A <sup>®</sup> )	✓
	Interferon alfa- 2b (IntronA <sup>®</sup> )	✓
	Beta-Interferon (Avonex <sup>®</sup> )	✓
	Peginterferon alfa-2a (Pegasys <sup>®</sup> )	✓
	Peginterferon beta-1a (Plegridy <sup>®</sup> )	✓

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