

Greater Manchester Interface Prescribing Group Shared Care Template

Shared Care Guideline for Oral Methotrexate for Rheumatological Conditions		Reference Number CMFT-SCG-006
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Date approved by Commissioners: January 2013	Review Date: January 2015	

Please complete all sections

1. Licensed Indications	<i>Oral methotrexate is licensed to treat adults with rheumatoid arthritis and is also widely used to treat other inflammatory arthritides and connective tissue diseases.</i>	
2. Therapeutic use & background	<i>Methotrexate is an anti-metabolite cytotoxic drug which inhibits DNA synthesis and cellular replication. It belongs to the group of DMARDs alongside gold, penicillamine, hydroxychloroquine, azathioprine, leflunomide, and sulfasalazine.</i>	
3. Contraindications (please note this does not replace the SPC or BNF and should be read in conjunction with it).	<p><u>Contraindications</u>- <i>Pregnancy and breast feeding, suspected local or systemic infection, bone marrow failure with unexplained anaemia and cytopenia. Following administration to a man or woman, conception should be avoided by using an effective contraception method for at least 3 months after finished course..</i></p> <p><u>Cautions</u>: <i>significant renal impairment from any cause, hepatitis B or C, history of TB, lung fibrosis</i></p>	
4. Prescribing in pregnancy and lactation	<i>This drug should not be prescribed during pregnancy or while breastfeeding.</i>	
5. Dosage regimen for continuing care	Route of administration	<i>Oral</i>
	<i>CSM warning with methotrexate that doses are weekly and attention should be paid to the strength of methotrexate tablets prescribed and the frequency of dosing. 2.5mg tablets are recommended in Greater Manchester however, patients should be made aware of other strengths and to question possible discrepancies.</i>	
	<i>Dose to be prescribed including units, frequency and duration of treatment. Please prescribe: 7.5-25mg ONCE weekly according to hospital instructions (the initial dose may be 5-15mg once weekly, increasing by 2.5mg-5mg every 2-6 weeks until the disease is stabilized) Only prescribe 2.5mg tablets to avoid dosing errors.</i>	

	Is titration required	Yes	
Titrate dosage up by 2.5mg-5mg every 2-6 weeks according to response.			
Maintenance dosage up to a maximum licensed dose of 25mg / week. Rarely the maximum dose can be 30mg/week.			
<p>Adjunctive treatment regime</p> <p><i>Folic acid 5mg ONCE weekly also given but may be given more frequently if necessary (usually 3 days after methotrexate). Folic acid reduces the toxic effects of methotrexate. Folic acid can be given any day as long as it is not on the same day as methotrexate. If nausea or GI effects persist despite folic acid then folinic acid 15mg ONCE weekly can be used as an alternative.</i></p>			
<p>Conditions requiring dose reduction</p> <p><i>Lower doses should be considered for frail elderly patients and those with poor renal function. If maximum oral dose is not effective or causes intolerance consider subcutaneous route of administration before discontinuation of the drug with referral to the rheumatology team.</i></p>			
<p>Usual response time</p> <p><i>6 weeks to 3 months</i></p>			
Duration of treatment: <i>ongoing</i>			
Treatment to be terminated by <i>healthcare professional in consultation with Rheumatology Team.</i>			
NB. All dose adjustments will be the responsibility of the initiating specialist care unless directions have been specified in the medical letter to the GP.			
<p>6. Drug Interactions</p> <p><i>For a comprehensive list consult the BNF or Summary of Product Characteristics</i></p>	<p>The following drugs must <u>not</u> be prescribed without consultation with the specialist:</p> <p><i>Co-trimoxazole or trimethoprim must be avoided in patients taking methotrexate (increased antifolate effect and increases risk of bone aplasia). Live vaccines (e.g. oral polio, oral typhoid, MMR, BCG, yellow fever) should be avoided in patients taking methotrexate. Avoid concomitant use of cytotoxics with clozapine as increased risk of agranulocytosis. Avoid concomitant use with retinoids as increased risk of hepatotoxicity and increased plasma levels.</i></p>		
<p>The following drugs may be prescribed with caution:</p> <p><i>Caution with phenytoin (antifolate effect of methotrexate increased) and probenecid (excretion of methotrexate reduced)</i></p> <p><i>NSAIDs reduce tubular excretion of methotrexate and thereby enhance toxicity. However, NSAIDs are not contraindicated.</i></p> <p><i>Excess alcohol should be avoided (or limit to max. 6 units per week)</i></p>			

7. Adverse drug reactions <i>For a comprehensive list (including rare and very rare adverse effects), or if significance of possible adverse event uncertain, consult Summary of Product Characteristics or BNF</i>	Specialist to detail below the action to be taken upon occurrence of a particular adverse event as appropriate.		
	Adverse event System – symptom/sign	Action to be taken Include whether drug should be stopped prior to contacting secondary care specialist	By whom
	WBC < 3.5x10 ⁹ /L Neutrophils < 2.0x10 ⁹ /L Platelets < 150x10 ⁹ /L	Withhold until discussion with Rheumatology team	GP
	MCV > 105 fl	Check B12, folate and TSH. If abnormal treat any underlying abnormality. If normal, discuss with Rheumatology Team.	GP
	AST/ALT rise > 2x upper limit of normal	Withhold until discussion with Rheumatology team as risk of liver cirrhosis	GP
	Declining renal function i.e. creatinine increasing > 1.5 fold above baseline	Withhold until discussion with Rheumatology team as risk of renal failure	GP
	New or increasing dyspnoea and/or dry cough	Withhold and discuss urgently with rheumatology team as risk of interstitial pneumonitis	GP
	Severe sore throat, abnormal bruising	Withhold and carry out urgent FBC as risk of bone marrow suppression	GP
	Suspected infection requiring antibiotics	Withhold temporarily until infection cleared	GP
	The patient should be advised to report any of the following signs or symptoms to their GP without delay: Severe skin rash that causes blistering, Persistent cough, pain or difficulty breathing or become breathless Skin rash and fever with swollen glands Sore throat, fever, chills or achiness Severe allergic reaction (anaphylactic reaction)		
Other important co morbidities (e.g. chickenpox exposure). Include advice on management and prevention and who will be responsible for this in each case: Pneumovax and annual flu vaccine should be given. Passive immunisation should be carried out using Varicella zoster immunoglobulin (VZIG) in non-immune patients if exposed to chickenpox or shingles.			

<p>15. Responsibilities of the patient</p>	<p>To ensure blood monitoring is carried out once dose stable and responsibility transferred from secondary care.</p> <p>To inform Rheumatology Team if patient repeatedly does not attend routine blood monitoring.</p> <p>To undertake vaccination as directed by the initiating consultant, the BNF or Green Book.</p> <p>Symptoms or results are appropriately actioned, recorded and communicated to secondary care when necessary.</p> <p>-----</p> <p>To take medication as directed by the prescriber, or to contact the GP if not taking medication</p> <p>To attend hospital and GP clinic appointments, with monitoring booklet.</p> <p>Failure to attend will result in medication being stopped (on specialist advice).</p> <p>To report adverse effects to their rheumatologist or GP.</p>
<p>16. Supporting documentation</p>	<p>The SCG must be accompanied by a patient information leaflet. Patient Information Leaflet EMC medicines Methotrexate Arthritis Research UK Patient Information Leaflet Methotrexate</p>
<p>17. Patient monitoring booklet</p>	<p>The patient must receive a monitoring booklet from the specialist upon initiation of treatment. The patient must bring this booklet to all specialist and GP appointments where it will be updated by the health professional conducting the appointment. The patient must also produce the booklet to any health professional involved in other aspects of their care e.g. pharmacists and dentists.</p>