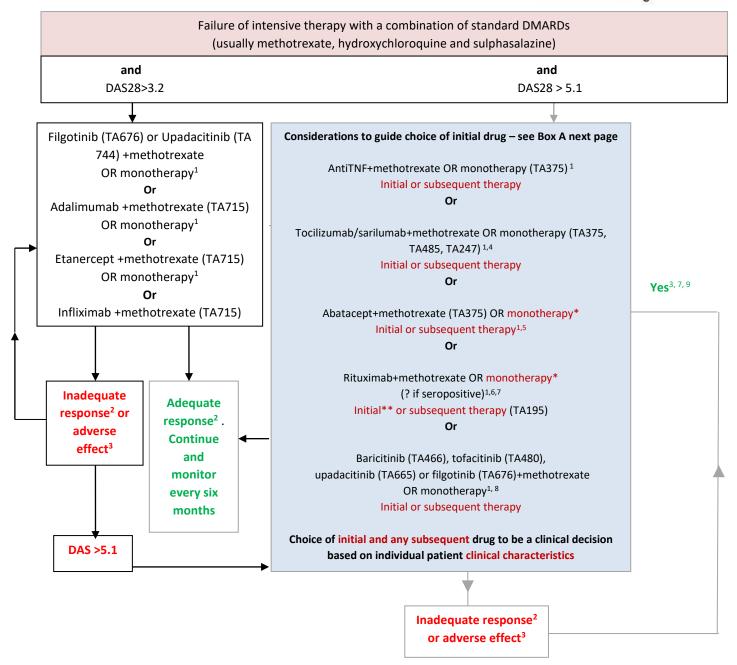
Rheumatoid arthritis high-cost drugs pathway



Area Prescribing Committee



- **1.** If methotrexate intolerant recommend continue non-methotrexate DMARD if possible
- 2. Adequate response is defined as a moderate response measured using European League Against Rheumatism (EULAR) criteria at 6 months after starting therapy. However, where DAS28 improvement of 0.6 1.2 has been achieved but the patient still has active joint swelling and DAS28 > 3.9 this represents suboptimal disease control and treatment change should be considered.
- *rituximab/abatacept monotherapy are not NICE approved but are locally commissioned
- **rituximab first-line is not NICE approved but is locally commissioned

3. Allow "switching" between agents in case of initial or subsequent agent failure as follows, but continue only if adequate response:

Primary inefficacy - up to total of 6 sequential options if DAS28 > 5.1 or 4 sequential options if DAS28 > 3.2 - 5.1

- A-TNF receptor (etanercept)
- A-TNF antibody (others)
- Rituximab
- Tocilizumab or sarilumab
- Abatacept
- JAK inhibitor (baricitinib, upadacitinib, filgotinib or tofacitinib)

Secondary inefficacy - another approved high-cost drug may be used. Where secondary failure of efficacy may be a class effect, use another drug from an alternative drug class. Avoid using more than two anti-TNF agents unless involvement of anti-drug antibodies is the cause of failure.

Adverse effect, emerging contraindication - another approved high-cost drug may be used. Where adverse-effect, contraindication may be a class effect use another drug from an alternative drug class.

Box A Considerations to guide choice of initial drug

If no specific clinical circumstances are relevant, use drug with lowest acquisition cost. In most cases this will be biosimilar TNFi – etanercept or adalimumab

- 4. Tocilizumab monotherapy is superior to adalimumab monotherapy strongly consider before anti-TNF (ADACTA study: 2013)
- 5. Abatacept may be more appropriate in individuals with a higher risk of infection (local specialist opinion)
- **6.** Alternative biologic to rituximab may be more appropriate e.g. in seronegative patients, in younger patients (risk of hypogammaglobulinaemia following repeated courses) and patients with ongoing risk of infection.
- 7. Consider rituximab as 1st line if previous lymphoma, treated solid malignancy within last 5 years, contra-indication to Rx latent TB, history of demyelinating disease, connective tissue disease overlap, Felty's syndrome, interstitial lung disease. (ACR and EULAR guidelines)
- **8**. Note MHRA/FDA cautions re Tofacitinib suggest use only if no other options. Safety concerns may be a class effect so suggest JAKi are used first line only if no other suitable options

Box B Considerations to guide choice of subsequent drug

9. Consider trial of 2nd anti-TNF therapy with different mode of action to that used previously e.g. receptor > mAb or vice versa.

Avoid cycling of anti-TNF therapies if failed two anti-TNF due to inefficacy.

Box C Specific clinical circumstances that may influence use of a specific drug

Abatacept	Injection site reactions to anti TNF, infection risk, ACPA seropositive
	Consider using a non anti-TNF biologic (<i>rituximab, abatacept, tocilizumab</i>) if CTD/SLE overlap, CHF stage 3, Feltys
	syndrome
	Use monotherapy only when other agents contraindicated/ineffective
Adalimumab	Extra-articular features, co-existent conditions such as uveitis (TA460), psoriasis, Crohn's disease,
	Ulcerative Colitis
Certolizumab pegol	Women planning pregnancy, breast feeding (licensed)
Etanercept	Women planning pregnancy, infection risk (shortest half-life)
Golimumab	Consider if patient over 100kg (weight-based dosing), needle phobia/compliance issues, Ulcerative
	colitis
Infliximab	Needle phobia/compliance issues, unable to self-inject, psoriasis, Crohn's disease, Ulcerative Colitis,
	Extra-articular features eg rheumatoid vasculitis
Rituximab	Consider using a non anti-TNF biologic (<i>rituximab, abatacept, tocilizumab</i>) if CTD/SLE overlap, CHF stage 3, Feltys
	syndrome
	Consider rituximab as 1st line if previous lymphoma, treated solid malignancy within last 5 years, contra-indication
	to Rx latent TB, history of demyelinating disease, connective tissue disease overlap, Felty's syndrome, interstitial
	lung disease. (ACR and EULAR guidelines)
	Use monotherapy only when other agents contraindicated/ineffective
Tocilizumab	Consider using a non anti-TNF biologic (<i>rituximab, abatacept, tocilizumab</i>) if CTD/SLE overlap, CHF stage 3, Feltys
Sarilimumab	syndrome
	Methotrexate intolerant
	Systemic symptoms, high ESR/CRP, marked anaemia.
	Caution if history of diverticular disease
Baricitinib	Patient preference for oral agent/needle phobia, effective as monotherapy
Filgotinib	Avoid in women of child-bearing age, infection risk, history of herpes zoster
Tofacitinib	Caution in renal impairment - tofacitinib reduce dose if CrCl <30ml/min, baricitinib reduce dose of CrCl 30-
Upadacitinib	60ml/min, avoid if <30ml/min), upadacitinib use with caution in severe renal impairment), filgotinib - dose of
	100mg daily is recommended in moderate or severe renal impairment (CrCl 15 to < 60 mL/min). end stage renal
	disease (CrCl < 15 mL/min) not recommended. Note MHRA/FDA cautions re Tofacitinib – suggest use only if no
	other options

APC board date: 27 Apr 2022 | Last updated: 27 Apr 2022

Prescribing pathway

Version: 7.0

Review date: Apr 2025 (or earlier if there is significant new evidence relating to this recommendation) APC administration provided by Midlands and Lancashire Commissioning Support Unit