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Differentiating the mechanism of action of anti-TNF alpha agents

Submission date	Recruitment status	[ ] Prospectively registered
22/02/2007	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
10/01/2008	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
18/04/2016	Musculoskeletal Diseases	[ ] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
06/S0703/64

Study information

Scientific Title
Differentiating the mechanism of action of anti-TNF alpha agents

Acronym
DATA study

Study objectives
Effect of two different anti-TNF inhibitors on mRNA and cytokine protein expression in rheumatoid arthritis and psoriatic arthritis.

Ethics approval required
Old ethics approval format

Ethics approval(s)
West Glasgow Ethics Committee 1, 03/10/2006, ref: 06/S0703/74

Study design
Randomised comparative parallel study.

Primary study design
Interventional

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Rheumatoid arthritis

Interventions
Comparing two different anti TNF drugs:
1. Infliximab 3 mg/kg at week 0, 2, 6 and thereafter every 8 weeks administered intravenously for 12 months
2. Etanercept 25 mg twice weekly administered subcutaneously for 12 months

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Effect of the two different anti-TNF inhibitors on mRNA and cytokine protein expression in rheumatoid arthritis and psoriatic arthritis:
1. mRNA, measured at week 0, 4, and 12
2. Cytokines, measured at week 0, 4, and 12

Key secondary outcome(s))
Effect on clinical and physiological measures and their correlation with changes in mRNA and cytokine expression. The clinical and physiological measures include the following:
1. Synovial biopsy at baseline (week 0) and week 4
2. Skin biopsy at baseline (week 0) and week 4
3. Ultrasound at baseline and 1 month
4. Hypoxia measurements at baseline and 1 month

5. Blood tests:
5.1. Erythrocyte Sedimentation Rate (ESR), measured monthly for the duration of the study (1 year)
5.2. C-Reactive Protein (CRP), measured monthly for the duration of the study (1 year)
5.3. Anti-Cyclic Citrullinated Peptide (anti-CCP) antibody at screening visit
5.4. Rheumatoid factor at screening visit
5.5. Full Blood Count (FBC), measured monthly for the duration of the study (1 year)
5.6. Urea and Electrolytes (U&E's), measured monthly for the duration of the study (1 year)
5.7. Liver Function Tests (LFT's), measured monthly for the duration of the study (1 year)
5.8. Hepatitis B and C at screening visit

Completion date
19/03/2009

Eligibility

Key inclusion criteria
Adults with established active rheumatoid or psoriatic arthritis.

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Sex
All

Key exclusion criteria
Prinicipal exclusion criteria in accord with clinical use of anti-TNF inhibitors.

Date of first enrolment
19/03/2007

Date of final enrolment
19/03/2009

Locations

Countries of recruitment
United Kingdom

Scotland

Study participating centre

Centre for Rheumatic Diseases
Glasgow
United Kingdom
G31 2ER

Sponsor information

Organisation
NHS Greater Glasgow and Clyde/University of Glasgow (UK)

ROR
https://ror.org/05kdz4d87

Funder(s)

Funder type
Government

Funder Name
NHS Greater Glasgow and Clyde R&D (ref: RN06RH005) (UK)

Funder Name
University of Glasgow (UK)

Alternative Name(s)
The University of Glasgow

Funding Body Type
Private sector organisation

Funding Body Subtype
Universities (academic only)

Location
United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration