

European Community SYStemic VASculitis TRIALs group

Submission date 31/01/2006	Recruitment status No longer recruiting	☐ Prospectively registered ☐ Protocol
Registration date 21/02/2006	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 15/08/2008	Condition category Circulatory System	☐ Individual participant data

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
N/A

Study information

Scientific Title

Acronym

ECSYSVASTRIAL

Study objectives

Plasma exchange is superior to high dose intravenous methylprednisolone in the treatment of severe renal vasculitis.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Received from the Cambridge Local Research Ethics Committee in March 1995.

Study design

Interventional, randomised, controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

ANCA associated vasculitis

Interventions

Plasma exchange versus high dose intravenous methyl prednisolone

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Methyl prednisolone

Primary outcome(s)

Renal recovery at three months

Key secondary outcome(s))

End stage renal disease at one year, severe adverse events

Completion date

31/01/2001

Eligibility**Key inclusion criteria**

1. New diagnosis of Wegener granulomatosis (WG), micropolyarteritis (MP) or its renal-limited variant, in accordance with the Chapel Hill Consensus criteria, with active vasculitis, as indicated by the presence of active necrotising glomerulonephritis on renal biopsy
2. Anti-neutrophilic cytoplasmic antibodies (ANCA) positivity: either a typical cytoplasmic-ANCA pattern by immunofluorescence test (IIF), and/or positivity in the proteinase-3 enzyme-linked immunosorbent assay (Pr3 ELISA), or positivity in the myeloperoxidase (MPO) ELISA, with or without perinuclear-ANCA (ANCA result will be confirmed by a nominated reference laboratory)
3. Biopsy-proven necrotising and/or crescentic glomerulonephritis, in the absence of another defined glomerulopathy, with severe renal impairment as defined by either:
 - 3.1. Oliguria (less than 400 ml/24 hr) or
 - 3.2. Intention to commence dialysis within 48 hours of admission

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. Aged less than 18 or over 80
2. Inadequate contraception in women of child-bearing age
3. Pregnancy
4. Usually exclude patients with previous malignancy (unless agreed with trial coordinators)
5. Hepatitis B antigenaemia or detectable anti-hepatitis C virus antibody
6. Known anti-human immunodeficiency virus (anti-HIV) (HIV testing is not a requirement for this trial)
7. Diagnosis of Churg-Strauss syndrome, Henoch-Schonlein purpura, rheumatoid vasculitis, mixed essential cryoglobulinaemia, systemic lupus erythematosus, or the presence of circulating anti-glomerular basement membrane (anti-GBM) antibodies and linear gamma G immunoglobulin (IgG) staining of the GBM on renal biopsy, with intent to treat as anti-GBM mediated nephritis
8. Life-threatening non-renal manifestations of vasculitis, including alveolar haemorrhage requiring mechanical ventilation within 24 hours of admission
9. On dialysis for more than two weeks prior to referral
10. Significant baseline renal impairment: creatinine greater than 200 mmol/l one year or more before presentation
11. A second clearly defined cause of renal failure (e.g. urinary tract obstruction; not acute tubular necrosis [ATN])
12. Previous episode of biopsy-proven necrotising and/or crescentic glomerulonephritis
13. Intravenous methylprednisolone (IVMeP), plasma exchange (PE) or pulsed intravenous cyclophosphamide within the preceding year
14. More than two weeks treatment with oral cyclophosphamide (Cyc) or azathioprine (Aza)
15. More than three months treatment with oral corticosteroids (OCS)
16. Allergy to study medications (excluding prophylactic agents)

17. Previous IVMeP therapy, which exceeds a single dose of 500 mg prior to referral to the participating centre

Date of first enrolment

01/03/1995

Date of final enrolment

31/01/2001

Locations

Countries of recruitment

United Kingdom

England

Study participating centre

Box 118

Cambridge

United Kingdom

CB2 2QQ

Sponsor information

Organisation

Addenbrookes Hospital NHS Trust (UK)

ROR

<https://ror.org/055vbx86>

Funder(s)

Funder type

Government

Funder Name

European Union (Belgium) - Biomedical and Health Research Programme (BIOMED) (contract number BMH4-CT97-2328)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	Results	01/07/2007		Yes	No
Study website	Study website	11/11/2025	11/11/2025	No	Yes