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Improving the safety and efficacy of anticoagulation therapy

Submission date	Recruitment status	[ ] Prospectively registered
21/10/2010	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
21/10/2010	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
30/09/2016	Haematological Disorders	[ ] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr Hilary Wynne

Contact details
Newcastle upon Tyne Hospitals NHS Foundation Trust
Queen Victoria Road
Newcastle Upon Tyne
United Kingdom
NE1 4LP

Additional identifiers

Protocol serial number
8579

Study information

Scientific Title
Improving the safety and efficacy of anticoagulation therapy for thromboembolic disease through vitamin K: a single centre randomised controlled trial

Study objectives

To investigate whether daily supplementation with vitamin K improves the stability of anticoagulation control in patients on chronic therapy with warfarin.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Sunderland Research Ethics Committee, 08/06/2009, ref: 09/H0904/25

Study design
Single-centre non-randomised observational screening cohort study

Primary study design
Observational

Study type(s)
Screening

Health condition(s) or problem(s) studied
Topic: Blood; Subtopic: Blood (all Subtopics); Disease: Non-malignant haematology

Interventions
Randomised (blinded) to vitamin K/placebo 150 µg orally once daily for 6 months. Follow-up at 1, 2, 4, 8, 12, 16, 20, and 24 weeks post initial dose.

Intervention Type
Supplement

Phase
Not Applicable

Drug/device/biological/vaccine name(s)
Vitamin K

Primary outcome(s)
Percent time within target INR (calculated by the method of interpolation) for the study period, measured at baseline and weeks 1, 2, 4, 8, 12, 16, 20 and 24 weeks.

Key secondary outcome(s))
1. Clinical events of major (defined as bleeding that led to loss of 2 units of blood over a 7 day period
2. Days attending anticoagulation clinic to monitor and achieve target International Normalised Ratio (INR)
3. Markers of lack of efficacy including recurrent thrombosis
4. The number of warfarin dose changes
5. Quality of life questionnaires recorded at baseline and repeated at the end of the study

Completion date
01/01/2013

Eligibility

Key inclusion criteria
1. Long term warfarin therapy
2. Aged greater than or equal to 18 years
3. Male and female

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 years

Sex
All

Key exclusion criteria
1. Abnormal hepatic or renal function
2. Impairment of cognitive function

Date of first enrolment
01/07/2010

Date of final enrolment
01/01/2013

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Newcastle upon Tyne Hospitals NHS Foundation Trust
Newcastle Upon Tyne
United Kingdom
NE1 4LP

Sponsor information

Organisation
Newcastle upon Tyne Hospitals NHS Foundation Trust (UK)

ROR
https://ror.org/05p40t847

Funder(s)

Funder type
Government

Funder Name
National Institute for Health Research (NIHR) (UK) - Research for Patient Benefit (RfPB) programme

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?
HRA research summary			28/06/2023	No	No
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes