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# Study into the effects of ischaemic pre-conditioning (IPC) on ischaemia-reperfusion injury (IRI) in patients with peripheral vascular disease

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|---|---|---|
| **Submission date**<br>30/09/2004 | **Recruitment status**<br>No longer recruiting | [_] Prospectively registered<br>[_] Protocol |
| **Registration date**<br>30/09/2004 | **Overall study status**<br>Completed | [_] Statistical analysis plan<br>[_] Results |
| **Last Edited**<br>13/09/2016 | **Condition category**<br>Circulatory System | [_] Individual participant data<br>[_] 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

**EudraCT/CTIS number**

**IRAS number**

### ClinicalTrials.gov number

### Secondary identifying numbers
N0436130382

# Study information

### Scientific Title
Study into the effects of ischaemic pre-conditioning (IPC) on ischaemia-reperfusion injury (IRI) in patients with peripheral vascular disease

### Study objectives
The aim of this study is to show that both local and remote pre-conditioning is protective against reperfusion injury in high risk subjects.

### Ethics approval required
Old ethics approval format

### Ethics approval(s)
Not provided at time of registration

### Study design
Randomised controlled trial

### Primary study design
Interventional

### Secondary study design
Randomised controlled trial

### Study setting(s)
Hospital

### Study type(s)
Treatment

### Participant information sheet

### Health condition(s) or problem(s) studied
Cardiovascular: Peripheral vascular disease

### Interventions
Laboratory study; Randomised controlled trial; Qualitative methodology.
Exercise on treadmill until symptoms of reperfusion injury are reproduced. This is preceeded by preconditioning exercises (warm up exercises) in some cases vs no preconditioning exercises in other cases.

### Intervention Type
Other

### Phase
Not Specified

### Primary outcome measure
Reduction in complications of reperfusion injury as measured by
1. Metabolites
1.1. Lactate
1.2. Blood pH
1.3. Interleukin 6 (IL-6)
1.4. Heat shock protein (HSP)
1.5. Nitric oxide (NO)
2. Blood constituents
2.1. Activated platelets
2.2. Platelet-leucocyte aggregates

### Secondary outcome measures
Not provided at time of registration

### Overall study start date
01/04/2003

### Completion date
01/04/2005

## Eligibility

### Key inclusion criteria
Study group - volunteers selected from patients with peripheral vascular disease (outpatients) who experience symptoms of claudication; control subjects will be age-matched volunteers.

### Participant type(s)
Patient

### Age group
Not Specified

### Sex
Not Specified

### Target number of participants
Not provided at time of registration

### Key exclusion criteria
Does not meet inclusion criteria

### Date of first enrolment
01/04/2003

### Date of final enrolment
01/04/2005

# Locations

**Countries of recruitment**
England

United Kingdom

**Study participating centre**
**Vascular Surgical Unit**
Leeds
United Kingdom
LS1 3EX

# Sponsor information

**Organisation**
Department of Health

**Sponsor details**
Richmond House
79 Whitehall
London
United Kingdom
SW1A 2NL

**Sponsor type**
Government

**Website**
http://www.dh.gov.uk/Home/fs/en

# Funder(s)

**Funder type**
Hospital/treatment centre

**Funder Name**
Leeds Teaching Hospitals NHS Trust UK)

# Results and Publications

**Publication and dissemination plan**
Not provided at time of registration

**Intention to publish date**

**Individual participant data (IPD) sharing plan**

**IPD sharing plan summary**
Not provided at time of registration