

# Blood transfusion in lower limb arthroplasty: the safe and economical future

<b>Submission date</b> 12/09/2003	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 12/09/2003	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 28/11/2014	<b>Condition category</b> Surgery	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Mr DH Sochart

**Contact details**  
Department of Orthopaedics  
North Manchester General Hospital  
Delaunays Road  
Crumpsall  
Manchester  
United Kingdom  
M8 5RB

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
N0155119586

# Study information

## Scientific Title

Blood transfusion in lower limb arthroplasty: the safe and economical future

## Study objectives

Prospective randomised study comparing the effect of homologous blood transfusion and autotransfusion of shed blood in 120 patients undergoing primary total knee replacement on the incidence of post-operative bacterial infection, immune modulation, complement and leukocyte activation and changes in coagulation and fibrinolysis following transfusion.

## 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

Surgery: Primary knee arthroplasty

## Interventions

1. Group A (60) will receive homologous transfusion
2. Group B (60) will receive wound drained autotransfusion

## Intervention Type

Procedure/Surgery

## Phase

Not Specified

## Primary outcome measure

Not provided at time of registration

**Secondary outcome measures**

Not provided at time of registration

**Overall study start date**

01/01/2003

**Completion date**

01/12/2004

## Eligibility

**Key inclusion criteria**

120 patients undergoing primary knee arthroplasty

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Not Specified

**Target number of participants**

120

**Key exclusion criteria**

Not provided at time of registration

**Date of first enrolment**

01/01/2003

**Date of final enrolment**

01/12/2004

## Locations

**Countries of recruitment**

England

United Kingdom

**Study participating centre**

North Manchester General Hospital

Manchester

United Kingdom

M8 5RB

# Sponsor information

## Organisation

Department of Health (UK)

## Sponsor details

Richmond House  
79 Whitehall  
London  
United Kingdom  
SW1A 2NL

## Sponsor type

Government

## Website

<http://www.doh.gov.uk>

# Funder(s)

## Funder type

Government

## Funder Name

North Manchester Healthcare 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