

A prospective randomised trial of the use of tourniquet in total knee replacements

Submission date 28/09/2007	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
Registration date 28/09/2007	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
Last Edited 21/11/2019	Condition category 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

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Additional identifiers

Protocol serial number
N0244192302

Study information

Scientific Title
A prospective randomised trial of the use of tourniquet in total knee replacements

Study objectives

To investigate the short-term outcomes of inflating the tourniquet only during the cementation process.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Intentional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Surgery: Total knee replacement (TKR)

Interventions

Intervention: Tourniquet only inflated during cementation of the replacement.

Control: Tourniquet inflated throughout procedure as in routine practice.

Intervention Type

Procedure/Surgery

Phase

Not Specified

Primary outcome(s)

Blood loss and change in haemoglobin level day 2 post-operatively

Key secondary outcome(s)

1. Range of movement six weeks post-op
2. Post-operative wound problems
3. Operative time
4. Blood transfusion
5. Complication rate

Completion date

01/11/2007

Eligibility**Key inclusion criteria**

All patients undergoing total knee replacement at Stepping Hill Hospital under two named consultant surgeons

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Key exclusion criteria

1. History of peripheral vascular disease with absent popliteal or distal pulses
2. Calcification of artery on x-ray of knee
3. Previous vascular surgery on side of operation

Date of first enrolment

01/11/2006

Date of final enrolment

01/11/2007

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

Stepping Hill Hospital

Stockport

United Kingdom

SK2 7JE

Sponsor information**Organisation**

Record Provided by the NHSTCT Register - 2007 Update - Department of Health

Funder(s)

Funder type
Government

Funder Name
Stockport NHS Foundation Trust

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration