

Long gamma nail versus sliding hip screw for the treatment of unstable pertrochanteric hip fractures

Submission date
26/03/2009

Recruitment status
No longer recruiting

Prospectively registered

Protocol

Registration date
07/04/2009

Overall study status
Completed

Statistical analysis plan

Results

Last Edited
07/04/2010

Condition category
Injury, Occupational Diseases, Poisoning

Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Contact details

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Additional identifiers

Study information

Scientific Title

A prospective randomised controlled trial comparing the long gamma nail with the sliding hip screw for the treatment of unstable pertrochanteric hip fractures

Study objectives

There is no difference in outcome between the sliding hip screw and the long gamma nail in the treatment of unstable pertrochanteric hip fractures.

Ethics approval required

Old ethics approval format

Ethics approval(s)

South West Local Research Ethics Committee approved on the 12th May 2003 (ref: Frenchay LREC/2003/20)

Study design

Single centre randomised controlled trial

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Unstable pertrochanteric fractures of the proximal femur

Interventions

Patients entered into the trial were randomised to fixation of their proximal femoral fracture by either a sliding hip screw (Omega® II, Stryker, UK) or a long gamma nail (Dyax®, Stryker, UK).

Randomisation was via sealed envelopes. Neither participants nor physicians were blinded to treatment.

Intervention Type

Other

Phase

Not Applicable

Primary outcome(s)

Re-operation within the first post-operative year.

Key secondary outcome(s)

1. Mortality in the first post-operative year
2. Requirement for a blood transfusion within one week of surgery
3. Length of hospital stay
4. Mobility and residency at one year
5. Euroqol EQ-5D at 3, 6 and 12 months post-operation

Completion date

01/04/2006

Eligibility

Key inclusion criteria

All patients (both males and females) over the age of 18 years admitted to the treating hospital with an unstable pertrochanteric hip fracture.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

All

Key exclusion criteria

1. Pathological fractures
2. Previous proximal femoral fractures
3. Decision of the admitting physician

Date of first enrolment

01/04/2003

Date of final enrolment

01/04/2006

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre

Department of Trauma and Orthopaedics

Bristol

United Kingdom

BS16 1JE

Sponsor information

Organisation

North Bristol NHS Trust (UK)

ROR

<https://ror.org/036x6gt55>

Funder(s)

Funder type

Government

Funder Name

North Bristol NHS Trust (UK)

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 | 01/04/2010 | | Yes | No |