ISRCTN62558708 https://doi.org/10.1186/ISRCTN62558708

A clinical trial of Hamilton-Russell traction on a) incidence of pressure sores, and b) pre-operative pain, in patients with fractured neck of femur.

Submission date
23/01/2004

Recruitment status
No longer recruiting

Registration date
23/01/2004

Overall study status
Completed

Last Edited
11/01/2010

Condition category
Injury, Occupational Diseases, Poisoning

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[X] Results
[ ] Individual participant data

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
ACLINIC

Study information

Scientific Title

Study objectives
We propose to evaluate the effect of Hamilton-Russell traction on (a) the peri-operative incidence of pressure sores and (b) pre-operative pain, in patients with fractured neck of femur. There is little evidence to suggest that traction confers any advantage in the pre-operative period, upon patients who receive it. Furthermore, its use may increase the risk of pressure sore development. If the data from the study supports the hypothesis that Hamilton-Russell traction has no beneficial effect, we can strongly argue for its discontinuation. Money currently spent on traction kits will be saved. Furthermore, patient suffering will be reduced through a reduction in the development of pressure sores.

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

Study type(s)
Treatment

Health condition(s) or problem(s) studied
Musculoskeletal injury

Interventions
Application of Hamilton-Russell traction

Intervention Type
Other

Phase
Not Specified

Primary outcome(s)
1. Pain (measured by Bourbonnais pain ruler, a visual analogue scale)
2. Pressure sore (Torrance 5 point scale)

Key secondary outcome(s))
Not provided at time of registration

Completion date
30/09/1995

Eligibility

Key inclusion criteria
1. Fractured neck of femur deemed suitable for surgical fixation
2. Patient Consent

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Senior

Sex
All

Key exclusion criteria
1. Multiple fractures or injuries
2. Pressure sores
3. Absence, paralysis or fracture of lower limb

Date of first enrolment
10/01/1993

Date of final enrolment
30/09/1995

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
University of Hull
Hull
United Kingdom
HU6 7RX

Sponsor information

Organisation

Funder(s)

Funder type
Government

Funder Name
NHS Executive Northern and Yorkshire (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		01/12/1997		Yes	No