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Function versus position of the wrist following distal radial fracture

Submission date	Recruitment status	[ ] Prospectively registered
30/09/2004	No longer recruiting	[ ] Protocol
Registration date	**Overall study status**	[ ] Statistical analysis plan
30/09/2004	Completed	[ ] Results
Last Edited	**Condition category**	[ ] Individual participant data
01/05/2015	Injury, Occupational Diseases, Poisoning	[ ] 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
N0244124359

Study information

Scientific Title
Function versus position of the wrist following distal radial fracture

Study objectives

1. To investigate whether the end result following k-wire fixation of the distal radius changes depending upon the position of the hand.
2. To establish whether time to recovery differs significantly depending upon the position of the hand.

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
Injury, Occupational Diseases, Poisoning: Radial fracture

Interventions
Patients with distal radial fractures undergoing reduction and k-wire fixation are randomised to dorsi or palmar flexion in plaster of Paris (POP). Upon removal of POP, grip test is measured using a Jamar Dynamometer. At 8 weeks, grip strength is measured again and the test is repeated at 17 weeks.

Intervention Type
Other

Phase
Not Specified

Primary outcome(s)
1. Grip strength
2. Range of motion
3. Radiological outcomes

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

Completion date
31/12/2004

Eligibility

Key inclusion criteria

Consecutive patients with displaced distal radial fracture undergoing reduction and k-wire fixation.

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Sex
All

Key exclusion criteria
1. Patients with severe rheumatoid arthritis
2. Previous articular surgery
3. Previous injury to the same wrist
4. Less than 20 ° - 30 ° flexion or extension after k-wire fixation

Date of first enrolment
06/03/2003

Date of final enrolment
31/12/2004

Locations

Countries of recruitment
United Kingdom

England

Study participating centre
Stepping Hill Hospital
Stockport
United Kingdom
SK2 7JE

Sponsor information

Organisation
Department of Health

Funder(s)

Funder type
Government

Funder Name
Stockport NHS Trust (UK)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration