

# Function versus position of the wrist following distal radial fracture

**Submission date**  
30/09/2004

**Recruitment status**  
No longer recruiting

☐ Prospectively registered

☐ Protocol

**Registration date**  
30/09/2004

**Overall study status**  
Completed

☐ Statistical analysis plan

☐ Results

**Last Edited**  
01/05/2015

**Condition category**  
Injury, Occupational Diseases, Poisoning

☐ Individual participant data

☐ Record updated in last year

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

## Contact information

**Type(s)**  
Scientific

**Contact name**  
Mr Nabil Fahmy

**Contact details**  
Department of Orthopaedics  
Stepping Hill Hospital  
Poplar Grove  
Stockport  
United Kingdom  
SK2 7JE

## Additional identifiers

**EudraCT/CTIS number**

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**  
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

**Secondary study design**

Randomised controlled trial

**Study setting(s)**

Hospital

**Study type(s)**

Treatment

**Participant information sheet****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 measure**

1. Grip strength
2. Range of motion
3. Radiological outcomes

**Secondary outcome measures**

Not provided at time of registration

**Overall study start date**

06/03/2003

**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

**Age group**

Adult

**Sex**

Both

**Target number of participants**

Not provided at time of registration

**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**

England

United Kingdom

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

## **Sponsor information**

**Organisation**  
Department of Health

**Sponsor details**  
Richmond House  
79 Whitehall  
London  
United Kingdom  
SW1A 2NL

**Sponsor type**  
Government

**Website**  
<http://www.dh.gov.uk/Home/fs/en>

## **Funder(s)**

**Funder type**  
Government

**Funder Name**  
Stockport 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