Clinical value of ultrasound in reduction of displaced wrist fractures

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON25705

Source
Nationaal Trial Register

Brief title
CURADA / KERADA

Health condition

distal radius fractures

Sponsors and support

Primary sponsor: Zuyderland MC
Source(s) of monetary or material Support: none

Intervention

Outcome measures

Primary outcome

Number of reduction-attempts before acceptable result is achieved

Secondary outcome

1. Need for surgery

2. total amound of costs

3. patients limitations, difference in DASH score between point 0 and 16 weeks after inclusion

Study description

Background summary

The goal of this study is to research the clinical value of ultrasound guided reduction of a dorsally angulated distal radius fracture. Ultrasound guided reduction of a dorsally angulated distal radius fracture is expected to reduce the number of attempts necessary to achieve an adequate position of the fracture and it is expected to improve the function of the wrist in long term. This study will be conducted in the Zuyderland Medical Centre in Heerlen, the Netherlands. It is a randomised single blinded study. Participants in the interventiongroup will recieve an ultrasound guided approach to reduce the fracture. Participants in the control group will recieve the current 'blind' technique of reducing the fracture.

Study objective

Ultrasound guided reduction of dorsally angulated distal radius fractures will reduce the amount of attemps necessary to achieve an acceptable result compared to the standard blind procedure

Study design

1-2-2016: start inclusion

1-1-2017: stop inclusions and finish dataset

1-4-2017: statistical analysis of results

1-5-2017: writing and rewriting article

Intervention

Use of ultrasound during reduction of a distal radius fracture to assess the position of bony parts during reduction (which allows rapid correction) and not only after reduction with conventional X-ray imaging

Contacts

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Eligibility criteria

Inclusion criteria

1. dorsally angulated distal radius fractures

2. need for reduction

Exclusion criteria

1. < 18 years of age

2. multiple fractures, except simple fractures of processus styloideus of the distal ulna

3. high energetic trauma

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	01-02-2016
Enrollment:	139
Type:	Anticipated

Ethics review

Positive opinion

Date:	10-05-2016
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL5598

Register	ID
NTR-old	NTR5837
Other	METC Zuyderland Medisch Centrum : 15-T-139

Study results