# Long term follow-up of fractures and bone bruises of the scaphoid

Published: 13-03-2012 Last updated: 26-04-2024

To determine if bone bruise of the scaphoid can develop arthritis or non-union when untreated. And to evaluate if a fracture can cause long term complications when adequately

treated.

**Ethical review** Approved WMO

**Status** Recruitment stopped

**Health condition type** Fractures

**Study type** Observational invasive

# **Summary**

#### ID

NL-OMON37578

Source

**ToetsingOnline** 

**Brief title**Scaphoid FU

#### **Condition**

Fractures

#### **Synonym**

bone bruising, Scaphoid fractures

#### Research involving

Human

## **Sponsors and support**

Primary sponsor: Academisch Medisch Centrum

Source(s) of monetary or material Support: Ministerie van OC&W

#### Intervention

Keyword: arthritis, Follow-up, Fracture, Scaphoid

#### **Outcome measures**

#### **Primary outcome**

Functional and radiological outcome of the wrist after scaphoid fracture

(treated with a cast) or bone bruise.

#### **Secondary outcome**

- Patient satisfaction (NRS)
- operations
- Range of Motion

# **Study description**

#### **Background summary**

A fracture of the scaphoid is known for its severe long term complications when non-union occurs. This information is not known for adequately treated fractures. In addition, recent literature showed that bone bruising on MRI can progress into development of a true fracture. The difference between a bone bruise and a true fracture is difficult to distinguish, while bone bruise is usually not treated with a cast. The clinical consequences of bone bruising are unknown.

#### Study objective

To determine if bone bruise of the scaphoid can develop arthritis or non-union when untreated. And to evaluate if a fracture can cause long term complications when adequately treated.

#### Study design

long term follow-up retrospective cohort.

#### Study burden and risks

- 1 visit to the outpatient clinic of 30 minutes
- 2 x 4 radiographs of the injured and healthy wrist (0,001 mSv)
- 3 questionnaires (DASH, PRWE, SF-36)

# **Contacts**

#### **Public**

Academisch Medisch Centrum

Meibergdreef 9 1105 AZ Amsterdam NL

Scientific

Academisch Medisch Centrum

Meibergdreef 9 1105 AZ Amsterdam NL

## **Trial sites**

#### **Listed location countries**

**Netherlands** 

# **Eligibility criteria**

#### Age

Adults (18-64 years) Elderly (65 years and older)

#### Inclusion criteria

18 years of age or older scaphoid fracture at least 1 year ago bone bruise at least 1 year ago

### **Exclusion criteria**

Patients younger than 16 years of age at time of injury ipsilateral wrist fractures rheumatoid arthritis cognitive dysfunction limiting clinical evaluation

# Study design

## **Design**

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Diagnostic

#### Recruitment

NL

Recruitment status: Recruitment stopped

Start date (anticipated): 01-07-2012

Enrollment: 200

Type: Actual

## **Ethics review**

Approved WMO

Date: 13-03-2012

Application type: First submission

Review commission: METC Amsterdam UMC

# **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

CCMO NL39506.018.12