

Treatment of osteochondral defects of the talus by arthroscopic debridement and microfracturing: Long term follow-up

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The purpose of this study is to evaluate the long term outcome of arthroscopic debridement and microfracturing for OCD of the talus.

Ethical review	Approved WMO
Status	Pending
Health condition type	Tendon, ligament and cartilage disorders
Study type	Observational invasive

Summary

ID

NL-OMON32419

Source

ToetsingOnline

Brief title

Long term osteochondral defects

Condition

- Tendon, ligament and cartilage disorders
- Bone and joint therapeutic procedures

Synonym

osteochondral defect; defect of bone and cartilage

Research involving

Human

Sponsors and support

Primary sponsor: Academisch Medisch Centrum

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

Intervention

Keyword: arthroscopic, debridement and microfracturing, osteochondral defect, talus

Outcome measures

Primary outcome

The primary outcome measure is the subjective outcome of the patients, measured by the Berndt & Harty Outcome score and the Ogilvie-Harris score.

Secondary outcome

Secondary outcome measures are the AOFAS-AHS score, the SF-36 score, classification of OCDs of the talus and osteoarthritis.

Study description

Background summary

An osteochondral defect (OCD) of the talus is described as the (partial) separation of a fragment of articular cartilage with or without subchondral bone.

During the best currently available treatment, arthroscopic debridement and microfracturing, any loose fragments are removed, the defect is debrided, and in the underlying subchondral bone small holes are drilled (microfracturing) to promote revascularization and the formation of new fibrous cartilage.

Little is known about the long term outcome of this treatment. A new study on the long term outcome with a sufficiently long follow-up period could provide more insight in patient satisfaction and possible osteoarthritic changes of this apparently successful treatment.

Study objective

The purpose of this study is to evaluate the long term outcome of arthroscopic debridement and microfracturing for OCD of the talus.

Study design

In this retrospective study, all arthroscopies of the talus that involved debridement and microfracturing that have been performed in the AMC between 1988 and 2000 will be looked up. This will concern an estimated number of 40

patients. Of this group, patients that match the inclusion criteria will be contacted. After written permission has been obtained, patients will be seen at the outpatient clinic for a follow up assessment. Patients* ankles will be evaluated by means of regular physical examination, Berndt & Harty Outcome score, Ogilvie-Harris score, AOFAS-AHS score and SF-36 score. Furthermore, anteroposterior and lateral X-rays of the operated ankle will be obtained.

Study burden and risks

Patients will receive one outpatient assessment including a radiograph of their operated ankle.

Contacts

Public

Academisch Medisch Centrum

Meibergdreef 9
1105 AZ Amsterdam
Nederland

Scientific

Academisch Medisch Centrum

Meibergdreef 9
1105 AZ Amsterdam
Nederland

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

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

Inclusion criteria

Patients with an osteochondral defect of the talus, who have been treated by means of arthroscopic debridement and microfracturing between 1988 and 2000.

Exclusion criteria

Other surgical treatment of osteochondral defect of the talus (fixation, osteochondral autologous transplantation, autologous chondrocyte implantation), systemic disease (e.g. rheumatoid arthritis, lupus erythematosus), inability to understand the patient information and the questionnaires (e.g. mental retardation, language barrier), ankle trauma 6 months or less before follow-up.

Study design

Design

Study type: Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Treatment

Recruitment

NL

Recruitment status: Pending

Start date (anticipated): 01-04-2008

Enrollment: 40

Type: Anticipated

Ethics review

Approved WMO

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	NL22512.018.08