Long term follow-up of ankle arthrodesis patients: what induces adjacent joint arthritis?

Published: 18-05-2009
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Purpose of the study is to find out what causes adjacent joint degeneration after tibiotalar fusion.

Ethical review	Approved WMO
Status	Pending
Health condition type	Joint disorders
Study type	Observational invasive

Summary

ID

NL-OMON33395

Source
ToetsingOnline

Brief title
LTFUAA

Condition

- Joint disorders
- Bone and joint therapeutic procedures

Synonym
osteoarthritis; joint degeneration

Research involving
Human

Sponsors and support

Primary sponsor: Academisch Medisch Centrum
Source(s) of monetary or material Support: Ministerie van OC&W

Intervention

Keyword: Adjacent joints, Ankle, Arthrodesis, Follow-up

Outcome measures

Primary outcome

The main outcome parameters will be the visual analog pain score per adjacent

joint.

Secondary outcome

Secondary outcome measures are the SF-36, the Kellgren-Lawrence radiological

score per joint , the AOFAS hindfoot score and the Foot Function Index (FFI).

Study description

Background summary

Ankle arthrodesis is considered to be the gold standard operative treatment for end-stage ankle arthritis. The effect of fusing the tibiotalar joint on the surrounding joints however, remains largely unknown. Further investigations might provide evidence supporting either of the following possibilities: adjacent joint arthritis being the result of the tibiotalar arthritis or as a result of the tibiotalar fusion.

Study objective

Purpose of the study is to find out what causes adjacent joint degeneration after tibiotalar fusion.

Study design

This is a retrospective study of a consecutive series of approximately 100 patients who underwent a tibiotalar arthrodesis at the AMC between 1990 and 2005, to assess the long-term results of this fusion regarding the degeneration of the surrounding joints. The long-term follow up will consist of a clinical and radiological evaluation.

Study burden and risks

Patients will receive one outpatient assessment including 3 radiographs of their fee and ankles.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

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

Inclusion criteria

Patients treated with ankle arthrodesis in the AMC between 1990 and 2005.

Exclusion criteria

Re-arthrodesis for arthrodesis performed elsewhere; subtalar fusion before ankle fusion; pantalar fusion.

Study design

Design

Study type: Observational invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Basic science

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-04-2009
Enrollment:	100
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	NL27408.018.09