Test re-test reliability of a Functional Capacity Evaluation in an early osteoarthritis cohort

Published: 09-01-2009
Last updated: 10-05-2024

To assess the test-retest reliability of the FCE in patients with osteoarthritis of hip and / or knee.

Ethical review	Approved WMO
Status	Recruitment stopped
Health condition type	Joint disorders
Study type	Observational non invasive

Summary

ID

NL-OMON31797

Source
ToetsingOnline

Brief title
Test re-test reliability of FCE in early osteoarthritis

Condition

- Joint disorders

Synonym
functional capacity, osteo-arthritis

Research involving
Human

Sponsors and support

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

Intervention

Keyword: Functional Capacity Evaluation, Osteoarthritis, Reliability

Outcome measures

Primary outcome

Primary study parameters are the results on the items of the FCE. These are

expressed in kilogrammes, newtons and seconds.

Secondary outcome

not applicable

Study description

Background summary

In a spin off study of the 10-year CHECK (Cohort Hip and Cohort Knee) study a Functional Capacity Evaluation (FCE) is being used to analyse work ability of patients with osteoarthritis of the hip and / or the knee. The FCE has not been used in this patient group before. Psychometric aspects of the FCE in patients with osteoarthritis of hip and / or knee is unknown.

Study objective

To assess the test-retest reliability of the FCE in patients with osteoarthritis of hip and / or knee.

Study design

It concerns an observational study. Subjects will be tested for work ability with the FCE two times with a 2-week interval. The tests take about 2 hours each. Travel expences are compensated for (18 eurocents per km). After the second session subjects receive a gift (15 euros). Both sessions consist of filling in a questionnaire and performing a physical test. The physical test consists of 28 items that reflect work related activities. Ratings will be performed by one or two physiotherapy students. The person who rates the second session is blinded for the results of the first session. The researcher does not have any contact with the subjects.

Study burden and risks

It can be expected that subjects will experience some muscle soreness because of participating in this study. This is a normal reaction to intensive exercise. The risks for physical lesions to occur in healthy subjects is very small, because of the use of safety procedures included in the protocol.

Contacts

Public
Universitair Medisch Centrum Groningen

Dilgtweg 5
9751 ND Haren
Nederland
Scientific
Universitair Medisch Centrum Groningen

Dilgtweg 5
9751 ND Haren
Nederland

Trial sites

Listed location countries

Netherlands

Eligibility criteria

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

Inclusion criteria

• Age: 45 -65 years
• Pain and / or stiffness of hip and / or knee

Exclusion criteria

• Patients with inflammatory rheumatic diseases like rheumatoid arthritis and spondylitis ankylopoetica
• Patients with osteoarthritis Kellgren IV in one or more of the four joints (hips end knees)
• Patients with prostheses in one of the four joints
• Patients with serious comorbidity that makes physical assessment difficult or impossible or results in a much shorter life expectancy
• Patients who have had a tumour in the last 5 years (except for skin carcinomas without metastases)
• Patients who do not understand the dutch language in such a way that questionnaires can be filled in
• Patients who only have symptoms of local tendinitis and / or bursitis
• Patients with acute pain after a trauma or an accident
• Patients with radiculating pain in the knee and / or hip region

Study design

Design

Study type: Observational non invasive

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

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	01-01-2008
Enrollment:	30
Type:	Actual

Ethics review

Approved WMO

Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Groningen (Groningen)

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	NL13610.042.07