Physical functioning at the workplace in patients after total knee arthroplasty: a feasibility study

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

Summary

ID

NL-OMON40677

Source
ToetsingOnline

Brief title
Work functioning after total knee arthroplasty

Condition

- Joint disorders
- Lifestyle issues

Synonym
knee replacement, total knee arthroplasty

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: Total Knee Arthroplasty, Work functioning

Outcome measures

Primary outcome

Feasibility of measuring physical functioning at the workplace among TKA patients and colleagues with accelerometers

Secondary outcome

The amount of physical activity at the workplace measured objectively as an indication of the level of physical functioning and in comparison with healthy colleagues and self reported functioning.

Study description

Background summary

Total Knee Arthroplasty (TKA) is a successful procedure for endstage osteoarthritis (OA) of the knee. One of the aims of TKA surgery is to restore normal work functioning of the patient. From previous research it can be concluded that TKA patients who returned to work, report that they are not functioning successful at work. However, objective data on work functioning after TKA is missing.

Study objective

The primary aim of this pilot study is to demonstrate the feasibility of measuring physical functioning at the workplace among TKA patients and healthy colleagues objectively. Secondly, to get a first impression of objective physical functioning of TKA patients at the workplace by means of measuring physical activity behaviour and by comparing it with healthy controls and by comparing the objective measurements with self-reported functioning.

Study design

A pilot case-control study.

Study burden and risks

There are no risks involved in participation in this study. TKA patients (6-7 months postoperative) and colleagues are asked to wear an accelerometer for two weeks at work and at home. In addition, participants are asked to fill in a short questionnaire about work functioning and an evaluation questionnaire. Participation in this study will not give directly benefits for participants, but results can be positive for TKA patients in the future. The researcher will visit the TKA patients and colleagues at home or at work, so participants do not need to visit the hospital.

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 after Total Knee Arthroplasty (TKA);
-18-65 years old
-underwent TKA
-paid work for minimal 24 hours per week;Colleague:
-18-65 years old
-same age as TKA patient, difference of 5 years is allowed
-same gender as TKA patient
-similar working tasks as TKA patient
-paid work for minimal 24 hours per week
-should work on same day sessions as case-subject does, e.g. both in daytime of both in night-time

Exclusion criteria

-total hip of knee replacement surgery in the previous 6 months
-suffering from osteoarthritis (only for control-subjects)
-relevant co-morbidities with severe negative consequences for physical and/or mental functioning
-more than three months pregnancy
-(partly) on sick leave
-occupation where an accelerometer cannot be worn
-insufficient knowledge of Dutch language
-participation in other projects addressing or stimulating physical activity behavior

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Health services research

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	01-02-2015
Enrollment:	15
Type:	Actual

Ethics review

Approved WMO

Date:	15-01-2015
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Groningen (Groningen)

Not approved

Date:	11-07-2016
Application type:	Amendment
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	NL48820.042.14