# A new method to objectively observe the function of orthopaedic patients

Submission date	Recruitment status	<ul><li>Prospectively registered</li></ul>
30/05/2007	No longer recruiting	☐ Protocol
Registration date	Overall study status	Statistical analysis plan
30/05/2007	Completed	☐ Results
Last Edited	Condition category	Individual participant data
25/10/2021	Musculoskeletal Diseases	Record updated in last year

#### Plain English summary of protocol

Not provided at time of registration

## Contact information

### Type(s)

Scientific

#### Contact name

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#### Contact details

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## Additional identifiers

**EudraCT/CTIS** number

IRAS number

ClinicalTrials.gov number

**Secondary identifying numbers** NL942 (NTR967)

## Study information

#### Scientific Title

A new method to objectively observe the function of orthopaedic patients

#### **Study objectives**

The use of an objective device (accelerometer) to analyse function is more accurate than the currently used methods (observing by eyes).

#### Ethics approval required

Old ethics approval format

#### Ethics approval(s)

Received from the local ethics committee (METC Atrium MC - Maaslandziekenhuis). The commitee concluded on the 26th March 2007 that the research is not WMO- obligated and permission was granted.

#### Study design

Observational study

#### Primary study design

Observational

#### Secondary study design

Case-control study

#### Study setting(s)

Hospital

#### Study type(s)

Diagnostic

#### Participant information sheet

### Health condition(s) or problem(s) studied

Orthopaedic patients, accelerometer

#### Interventions

An accelerometer, attached to the sacrum of the subject using an elastic belt, measures accelerations in three directions when the doctor observes the patient as usual (walk ability, sit to stand, balancing, etc). The objective outcome will be compared with the doctors observation and questionnaires.

#### **Intervention Type**

Other

#### **Phase**

**Not Specified** 

#### Primary outcome measure

Parameters which give information about the function of the patient like walk speed, asymmetry during walking, postural sway during balancing etc. These will be measured at the end of the doctors investigation.

#### Secondary outcome measures

Patient data like weight, height, date of birth and the health state of the patient is collected. These will be measured at the end of the doctors investigation.

#### Overall study start date

15/05/2007

#### Completion date

01/05/2008

## **Eligibility**

#### Key inclusion criteria

All orthopaedic patients visiting the policlinic of the orthopaedic department of the Atrium Medical Centre Heerlen.

#### Participant type(s)

**Patient** 

#### Age group

**Not Specified** 

#### Sex

**Not Specified** 

## Target number of participants

100

#### Key exclusion criteria

Unable to perform the tasks (walking, balacing, rising from a chair, step on a block).

#### Date of first enrolment

15/05/2007

#### Date of final enrolment

01/05/2008

## Locations

#### Countries of recruitment

Belgium

Netherlands

## Study participating centre Hoogstraat 229

Voeren Belgium B-3798

## Sponsor information

#### Organisation

Atrium Heerlen Orthopaedic Research and Scientific Education (AHORSE) (The Netherlands)

#### Sponsor details

Atrium Medical Centre P.O. Box 4446 Heerlen Netherlands 6401 CX

#### Sponsor type

Hospital/treatment centre

#### Website

http://www.atriummc.nl/#http://www.atriummc.nl/

#### **ROR**

https://ror.org/0367sye10

## Funder(s)

#### Funder type

Hospital/treatment centre

#### **Funder Name**

Atrium Medical Centre (The Netherlands)

## **Results and Publications**

### Publication and dissemination plan

Not provided at time of registration

Intention to publish date

## Individual participant data (IPD) sharing plan

Not provided at time of registration

**IPD sharing plan summary**Not provided at time of registration