

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

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

**Plain English summary of protocol**  
Not provided at time of registration

## Contact information

**Type(s)**  
Scientific

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## Additional identifiers

**Protocol serial number**  
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 - Maastrichtziekenhuis). The committee 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

### **Study type(s)**

Diagnostic

### **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(s)**

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.

### **Key secondary outcome(s)**

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.

### **Completion date**

01/05/2008

## **Eligibility**

**Key inclusion criteria**

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

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Not Specified

**Sex**

Not Specified

**Key exclusion criteria**

Unable to perform the tasks (walking, balancing, 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)

**ROR**

<https://ror.org/0367sy10>

## **Funder(s)**

### **Funder type**

Hospital/treatment centre

### **Funder Name**

Atrium Medical Centre (The Netherlands)

## **Results and Publications**

### **Individual participant data (IPD) sharing plan**

Not provided at time of registration

### **IPD sharing plan summary**

Not provided at time of registration