

# Edema measurement in trauma patients with a fracture of the lower extremities in the rehabilitation phase.

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Pending
<b>Health condition type</b>	-
<b>Study type</b>	Observational non invasive

## Summary

### ID

NL-OMON26287

### Source

NTR

### Brief title

Oedeemfractuur

### Health condition

Trauma patients  
Fracture of the lower extremities  
Edema and complications.

Trauma patienten  
Fractuur van de onderste extremiteiten  
Oedeem en relatie tot complicatie.

## Sponsors and support

**Primary sponsor:** Netwerk Acute Care Limburg Maastricht  
Adelante Rehabilitation centre in Hoensbroek

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**Source(s) of monetary or material Support:** Netwerk Acute Care Limburg Maastricht  
Adelante Rehabilitation centre in Hoensbroek

## Intervention

## Outcome measures

### Primary outcome

Is there a difference in edema between the ankles in trauma patients with fracture of the lower extremities.

### Secondary outcome

Complications related with increased edema

## Study description

### Background summary

There is no available information in the literature about the development of edema in the affected limb in trauma patients with fracture of the lower extremities. There is no knowledge about

the edema process over time in patients with a fracture of the lower extremities who are allowed to have

permissive weight bearing. Is an increased edema in the affected side a sign of inflammation? Can we

demonstrate differences in edema in the fractured side relative to the contralateral side? Is this

inflammatory response useful as feedback to be given to patients and therapists to better individualize

the weight bearing?

The aim of this study is to investigate whether it is possible to reliably measure the edema of the lower

extremities at the height of the ankles by using a tape measure to measure edema of rehabilitants and

to follow them longitudinally. The hypothesis is that an increase of edema at the level of the ankle is a

sign of overload and requires adaptation of the rehabilitation program. The study population is trauma

patients with a fracture of the lower extremities that are clinically admitted in Adelante Rehabilitation Centre.

### **Study objective**

Investigate whether we can reliably measure the edema of Investigate whether it is possible to reliably measure the edema of the lower extremities

by means of a tape measure on both ankles of the rehabilitants and follow the edema longitudinally

through time. An increase in edema at the height of the ankle is a sign of overload and requires

adaptation of the rehabilitation program.

### **Study design**

At the end of the day the edema will be measured. If there is an increase in edema and the patient is having complaints, the rehabilitation program will be adapted.

### **Intervention**

The edema at the height of the ankle will be measured with a tape measure in trauma patients who have had a fracture of the lower extremities.

## **Contacts**

### **Public**

Maastricht universitair medisch centrum - Afd. Traumatologie

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### **Scientific**

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## **Eligibility criteria**

### **Inclusion criteria**

Trauma patients with fractures of the lower extremities, including pelvic fractures.

### **Exclusion criteria**

Amputation patients (thigh,leg,foot) and bilateral fracture of the lower extremities.

## **Study design**

### **Design**

Study type:	Observational non invasive
Intervention model:	Parallel
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

### **Recruitment**

NL	
Recruitment status:	Pending

Start date (anticipated): 01-10-2015  
Enrollment: 20  
Type: Anticipated

## IPD sharing statement

**Plan to share IPD:** Undecided

## Ethics review

Positive opinion  
Date: 25-08-2015  
Application type: First submission

## 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
NTR-new	NL5297
NTR-old	NTR5406
Other	METC Atrium-Orbis-Zuyd : 15-N-137b

## Study results

### Summary results

I will let u know about the progress of the research. If there will be a publication u will be contacted.