

Influence of chronic low back pain on movement and postural control

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The objectives for this study is to look into the postural control for chronic low back pain patients during different tasks and record physiological and psychosocial data from the patients.

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

Summary

ID

NL-OMON35891

Source

ToetsingOnline

Brief title

CLBP & movement

Condition

- Other condition

Synonym

Chronic low back pain

Health condition

Non-specific chronic low back pain

Research involving

Human

Sponsors and support

Primary sponsor: Revalidatiecentrum Het Roessingh

Source(s) of monetary or material Support: VWS innovation center pijn

Intervention

Keyword: Chronic low back pain, Movement, Pain-related cognitions, Posture

Outcome measures

Primary outcome

this study kinetics, EMG and psychosocial parameters are recorded. The recordings will be made through trials of different tasks. Static posture and dynamic exercises will be used in the trials. From these recordings the degree of loss of complexity and postural control can be assessed. Besides this, psychosocial factors for the maintenance of the chronic low back pain will be assessed.

Secondary outcome

Not applicable

Study description

Background summary

The rationale for this study is to examine how chronic low back patients are performing in static and dynamic postural control tasks and if the patients are influenced by *loss of complexity*. It is hypothesized that chronic low back patients have a decreased complexity in their postural control, which will be a sign for decreased functionality.

Study objective

The objectives for this study is to look into the postural control for chronic low back pain patients during different tasks and record physiological and

psychosocial data from the patients.

Study design

The study is designed to be an observational case-control study with a group of low back pain patients and a group of healthy controls participating. No intervention is carried out.

Study burden and risks

For this study, the burden and risk is negligible for the participant. The tasks to perform are quiet stance or tasks reflecting daily life activity (e.g. walking). Throughout the experiment participants will be guided what to do and breaks will be given regularly. All subjects are volunteers and have the right to withdraw at any time. Participants have to answer an anonymous questionnaire and all data collected will be stored with a subject code, which is not possible to track back to the name or date of birth of the subject. The group of patients investigated in this study is chronic low back pain patients. The influence of chronic low back pain on movement and posture is the focus of the study, and it is not possible to do this experiment without these specific patients.

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

Patient group:

- Nonspecific chronic low back pain
 - Age: 18 - 55 years old
 - Healthy besides the low back pain
 - All participating subjects must be able to maintain daily life routines.;
- Control group:
- No history of persistent low back pain
 - Age: 18 - 55 years old
 - Matches individuals in the patient group (age and sex)

Exclusion criteria

- Pregnancy
- Addictive or previously addictive behavior, defined as abuse of hash, opioids, or other narcotics
- Bearer of infectious diseases
- Previous neurologic, musculoskeletal or psychologic diseases
- Inability to cooperate

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:	Other

Recruitment

NL
Recruitment status: Recruitment stopped
Start date (anticipated): 15-12-2011
Enrollment: 40
Type: Actual

Ethics review

Approved WMO
Date: 27-10-2011
Application type: First submission
Review commission: METC Twente (Enschede)

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

ID: 24128
Source: NTR
Title:

In other registers

Register	ID
CCMO	NL36455.044.11
OMON	NL-OMON24128

Study results

Date completed: 27-02-2012

Actual enrolment: 27

Summary results

Trial is ongoing in other countries