Working with pain: determinants of persons with non-specific chronic pain functioning well in work

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1. To measure medical, physical, psychological, and social traits of people with chronic pain functioning well in work 2. To compare medical, physical, psychological, and social factors in patients with chronic pain unsuccessful in work, with people...

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

Summary

ID

NL-OMON32790

Source
ToetsingOnline

Brief title
Working with chronic pain

Condition

- Other condition
- Tendon, ligament and cartilage disorders

Synonym
chronic non-specific pain, no specific cause for the pain is detectable

Health condition

aspecifieke chronische klachten aan het bewegingsapparaat

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Groningen
Source(s) of monetary or material Support: Stichting Instituut Gak (SIG)

Intervention

Keyword: chronic non-specific pain, presenteeism, rehabilitation, work

Outcome measures

Primary outcome

- pain intensity

- pain cognition

- pain acceptance

- general health status

- self reported limitations and activities

- activities

- fear of movement

- personality traits

- work perception

- self reported work ability

- self reported work load

- self reported productivity in work

- functional capacity evaluation (FCE)

Secondary outcome

Not applicable

Study description

Background summary

Many people with chronic non-specific musculoskeletal pain report decreased levels in functioning, including functioning in work. In many cases this leads to a lower productivity in work or occupational disability. These people become eligible for income support to compensate financial loss. Employers, insurance companies and society are confronted with high costs because of lower workability.
Although many people with chronic non-specific musculoskeletal pain do not function well in work (unsuccessful), there also exists a group of people with chronic pain who function well in work (successful). The latter group may have different traits or display different behaviours compared to the people with occupational disability and eligible for income support. It is currently unknown on which factors people who work despite pain differ from those who do not. Scientific publications in this field are scarce, which is indicative for the knowledge of working despite pain. Moreover, there is no data concerning the Dutch situation. When succes factors that contribute to functioning well in work are known, and these factors can be influenced, it will possibly assist the development of more effective and efficient occupational rehabilitation programmes. Factors that contribute to functioning well in work also can be used as reference for occupational and insurence medicine. Eventually, it may enlarge quality of life and participation in work of people living with chronic pain.

Study objective

1. To measure medical, physical, psychological, and social traits of people with chronic pain functioning well in work
2. To compare medical, physical, psychological, and social factors in patients with chronic pain unsuccessful in work, with people with chronic pain successful in work despite pain. Do these two groups show different traits and does it explain the difference in participation in work?
3. To explore factors that contribute to work ability in persons that work despite pain.

Study design

Cross-sectional study

Study burden and risks

Participants face the following actions:

- standard medical examination performed by physiatrist which (45 minutes)
- recording activities during 5 days
- questionnaires inquiry (10 questionnaires, total time to fill in about 90 minutes)
- functional capacity evaluation (FCE lasting 1,5 hours)
- semi-structured interview (lasting 1 hour)

The load for the participants in the study is similar as the load for patients following usual care, except the interview. There are very limited risks for injury during FCE.

By participating in the study participants contribute to improvement of return to work rehabilitation programs, and scientiffic developments in the areas of rehabilitation-, occupational- and insurance medicine.
Participants gain a better understanding of their own physical fitness and physical activity. They recieve all results of the questionnaires and test results of FCE and accelerometer.

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

1. Inclusion criteria for the patients group:
- chronic non-specific pain, lasting longer than 6 months
- no relevant co-morbidity: no other medical problems that influence functioning
- age 20 to 59 year
- paid work for 20 hours or more during the 12 months before the rehabilitation program started
- productivity loss at work caused by the pain more than 5% (in the year prior to measurement)
- patients admitted to rehabilitation in the Center for Rehabilitation UMCG
- patients did not follow other rehabilitation during the 12 months before the study started
- patients signed informed consent;2. Inclusion criteria for the participants group:
- chronic non-specific pain, lasting longer than 6 months
- no relevant co-morbidity: no other medical problems that influence functioning
- age 20 to 59 year
- paid work for 20 hours or more during the 12 months before they participated in the study
- productivity loss at work caused by the pain lower than 5% (in the year prior to participation)
- did not seek help in a in a Rehabilitation Center 1 year prior to participation
- participants signed informed consent

Exclusion criteria

- specific chronic pain: a specific cause for the pain was detectable, such as, infection, neoplasm, metastasis, osteoporosis, rheumatoid arthritis, fracture, neurological disorders, serious spinal pathology, exposure to physical trauma within 6 months before examination, addiction to drugs, pregnancy, and insufficient knowledge of the Dutch language.

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Diagnostic

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	21-04-2009
Enrollment:	240
Type:	Actual

Ethics review

Approved WMO

Application type:	First submission
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	NL23870.042.08