

Cost-effectiveness of multidisciplinary treatment in sick-listed patients with upper extremity musculoskeletal disorders: a randomized, controlled trial with one-year follow-up

Submission date 12/09/2005	Recruitment status No longer recruiting	☐ Prospectively registered
		☐ Protocol
Registration date 12/09/2005	Overall study status Completed	☐ Statistical analysis plan
		☒ Results
Last Edited 20/10/2008	Condition category Musculoskeletal Diseases	☐ Individual participant data

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
ZonMw number: 3140.0006; NTR76

Study information

Scientific Title

Study objectives

To determine the effectiveness and cost-effectiveness of a return-to-work outpatient multidisciplinary treatment programme for sick-listed workers with non-specific upper extremity musculoskeletal complaints.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Received from the local medical ethics committee

Primary study design

Interventional

Study design

Randomised, active controlled, parallel group trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Chronic non-specific musculoskeletal complaints in the upper extremity

Interventions

1. Multidisciplinary treatment program of 13 full-time days, carried out by a commercial rehabilitation centre: each day's schedule consisted of four (1.5 hour) sessions: one session was dedicated to personal effectiveness (psychologist), one to return-to-work (reintegration expert) and two sessions enclosed physical training (physical therapist), including activities outside the building and individual counselling sessions. Patients were treated in groups of about eight individuals.
2. Usual care; supervision by occupational health services: usual care was coordinated by the occupational physician at the occupational health services. Usual care could include treatment at the workplace and in the regular health care system, initiated by a general practitioner, or medical specialist.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Return to regular work and costs.

Key secondary outcome(s)

1. Pain
2. Other complaints such as paraesthesia, stiffness, coldness
3. Process evaluation:
 - 3.1. Grip strength
 - 3.2. Disability
 - 3.3. Physical functioning
 - 3.4. Kinesiophobia

Completion date

01/01/2005

Eligibility

Key inclusion criteria

1. Bank employees in the Netherlands or workers at one of the two universities in Amsterdam
2. With non-specific upper extremity musculoskeletal disorders
3. Employment on a contract of at least 50% of full-time working hours
4. Sick leave for over 50% of the contractual hours during a period between four and 20 weeks
5. Aged between 18 and 65 years
6. Required to comprehend and have communication skills in Dutch

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

All

Key exclusion criteria

Does not comply with the above inclusion criteria

Date of first enrolment

01/11/2001

Date of final enrolment

01/01/2005

Locations

Countries of recruitment

Netherlands

Study participating centre
Academic Medical Centre
Amsterdam
Netherlands
1100 DE

Sponsor information

Organisation
Academic Medical Centre (AMC) (The Netherlands)

ROR
<https://ror.org/03t4gr691>

Funder(s)

Funder type
Research organisation

Funder Name
The Netherlands Organisation for Health Research and Development (ZonMw) (The Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	Results	01/09/2006		Yes	No