Effectiveness of prolonged use of continuous passive motion (CPM) as an adjunct to physiotherapy following total knee arthroplasty (TKA)

Submission date	Recruitment status	Prospectively registered		
26/08/2005	No longer recruiting	[X] Protocol		
Registration date	Overall study status	Statistical analysis plan		
07/09/2005	Completed	[X] Results		
Last Edited	Condition category	Individual participant data		
14/09/2017	Musculoskeletal Diseases			

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Contact details

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers

N/A

Study information

Scientific Title

Effectiveness of prolonged use of continuous passive motion (CPM) as an adjunct to physiotherapy following total knee arthroplasty (TKA)

Study objectives

What is the effect on range of motion and functional status of prolonged use of a continuous passive motion device at home in addition to physical therapy, compared to physical therapy alone, in patients with limited flexion range of motion (less than 80°) of the knee at discharge from the hospital following total knee arthroplasty?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Secondary study design

Randomised controlled trial

Study setting(s)

Home

Study type(s)

Treatment

Participant information sheet

Health condition(s) or problem(s) studied

Total knee arthroplasty

Interventions

Physical therapy versus physical therapy + continuous passive motion

Intervention Type

Other

Phase

Not Specified

Primary outcome measure

Functional status and range of motion

Secondary outcome measures

Perceived effect, postoperative medication use, satisfaction with treatment, satisfaction with treatment result, adherence to treatment protocols and use of CPM (in hours)

Overall study start date

01/04/2005

Completion date

01/10/2006

Eligibility

Key inclusion criteria

Patients with knee osteoarthritis (OA) undergoing TKA and experiencing early postoperative flexion impairment (less than 80° of knee flexion at the time of discharge).

Participant type(s)

Patient

Age group

Adult

Sex

Both

Target number of participants

70

Key exclusion criteria

Patients will be excluded if they need to stay in hospital for more than 5 days after surgery or show relevant co-morbidity influencing mobility (e.g. claudication, other prosthesis) or are operated upon using minimally invasive surgery.

Date of first enrolment

01/04/2005

Date of final enrolment

01/10/2006

Locations

Countries of recruitment

Netherlands

Study participating centre

University Hospital Maastricht

Maastricht Netherlands 6229 HX

Sponsor information

Organisation

University Hospital Maastricht (The Netherlands)

Sponsor details

P Debijelaan 25 Maastricht Netherlands 6229 HX +31 (0)433876543 groo@pmzl.azm.nl

Sponsor type

University/education

Website

http://www.azm.nl

ROR

https://ror.org/02d9ce178

Funder(s)

Funder type

University/education

Funder Name

University Hospital Maastricht (Netherlands)

Results and Publications

Publication and dissemination plan

Not provided at time of registration

Intention to publish date

Individual participant data (IPD) sharing plan

IPD sharing plan summaryNot provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article		01/06/2003		Yes	No
Protocol article	protocol	23/02/2006		Yes	No
Results article	results	29/04/2008		Yes	No