

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

Submission date 26/08/2005	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered
Registration date 07/09/2005	Overall study status Completed	<input checked="" type="checkbox"/> Protocol
Last Edited 14/09/2017	Condition category Musculoskeletal Diseases	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Mr Ton Lenssen

Contact details
University Hospital Maastricht
P Debijelaan 25
Maastricht
Netherlands
6229 HX
+31 (0)433875145
alen@pmzl.azm.nl

Additional identifiers

Protocol serial number
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

Study type(s)

Treatment

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(s)

Functional status and range of motion

Key secondary outcome(s)

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

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

Healthy volunteers allowed

No

Age group

Adult

Sex

All

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)

ROR

<https://ror.org/02d9ce178>

Funder(s)

Funder type

University/education

Funder Name

University Hospital Maastricht (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		01/06/2003		Yes	No
Results article	results	29/04/2008		Yes	No
Protocol article	protocol	23/02/2006		Yes	No