Application of static magnetic fields versus copper for the relief of pain in osteoarthritis: a randomised double-blind placebo controlled trial

Submission date	Recruitment status No longer recruiting	[X] Prospectively registered
Registration date	Overall study status	 Protocol Statistical analysis plan
06/12/2004	Completed	[] Results
Last Edited	Condition category	Individual participant data
07/03/2017	Musculoskeletal Diseases	[] Record updated in last year

Plain English summary of protocol

Not provided at time of registration

Study website http://www.hull.ac.uk/macropod/

Contact information

Type(s) Scientific

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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

Application of static magnetic fields versus copper for the relief of pain in osteoarthritis: a randomised double-blind placebo controlled trial

Acronym

MACROPOD (Magnetic And Copper therapy for the Relief Of Pain in Osteoarthritis: a randomised Double-blind placebo-controlled trial)

Study objectives

Study aims:

 To investigate the therapeutic efficacy of commercially available magnetic and copper bracelets as an adjunct to practitioner led management of osteoarthritic pain
 To evaluate the potential economic impact of static magnetic therapy (SMT) and to gather evidence relating to safety of the devices under investigation

3. To address both local and more widespread needs in terms of providing rigorous scientific evidence relating to the efficacy of magnetic and copper bracelets

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised double-blind placebo controlled trial

Primary study design Interventional

Secondary study design Randomised controlled trial

Study setting(s) Not specified

Study type(s) Not Specified

Participant information sheet

Trial participant information is available on http://www.hull.ac.uk/macropod/info.htm

Health condition(s) or problem(s) studied

Osteoarthritis

Interventions

The trial will use a randomised double-blind placebo controlled crossover design. All participants will undertake one of four randomly allocated treatment sequences consisting of four phases (one active and three control). During the active phase participants will wear the MagnaMax® static magnetic device for a period of four weeks. During the three control (placebo) phases, which will each last for four weeks, all participants will in turn wear: an otherwise identical low strength static magnetic device, a demagnetised device and a copper bracelet.

Intervention Type

Other

Phase Not Specified

Primary outcome measure Not provided at time of registration

Secondary outcome measures Not provided at time of registration

Overall study start date 01/01/2005

Completion date 31/12/2006

Eligibility

Key inclusion criteria

- 1. 18 years of age or over
- 2. Diagnosis of osteoarthritis

3. In receipt of prescribed non-steroidal anti-inflammatory drugs (NSAIDs) and opioid/opioid compound analgesic medication

- 4. Responsible for administering own medication
- 5. Reporting pain associated with osteoarthritis

Participant type(s) Patient

Age group Adult

Lower age limit 18 Years

Sex Not Specified

Target number of participants

Between 48 to 60 patients identified as suffering from osteoarthritis within primary care.

Key exclusion criteria

- 1. Confounding medical condition/disease
- 2. Pain lasting less than 6 weeks in total duration prior to recruitment
- 3. Pacemaker, insulin pump or similar device fitted
- 4. Pregnant women

Date of first enrolment

01/01/2005

Date of final enrolment 31/12/2006

Locations

Countries of recruitment England

United Kingdom

Study participating centre 301 Hertford Building Hull United Kingdom HU6 7RX

Sponsor information

Organisation The University of Hull (UK)

Sponsor details

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Sponsor type University/education Website http://www.hull.ac.uk

ROR https://ror.org/04nkhwh30

Funder(s)

Funder type Hospital/treatment centre

Funder Name Wolds Primary Care Research Network (WOREN) and West Hull Primary Care Trust (uk)

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 summary Not provided at time of registration