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Comparison of efficacy of transcutaneous nerve stimulation and sensory discrimination education in patients with chronic low back pain

Submission date 31/03/2010	**Recruitment status** No longer recruiting
Registration date 31/03/2010	**Overall study status** Completed
Last Edited 03/12/2012	**Condition category** Musculoskeletal Diseases

[ ] Prospectively registered
[ ] Protocol
[ ] Statistical analysis plan
[X] Results
[ ] 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

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
3321; 078195

Study information

Scientific Title
Comparison of efficacy of transcutaneous nerve stimulation and sensory discrimination education in patients with chronic low back pain: a randomised interventional single centre treatment trial

Study objectives
This is a comparison of transcutaneous nerve stimulation and sensory discrimination education in patients with chronic low back pain.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Milton Keynes REC approved on the 2nd August 2005 (ref: 05/Q1603/34)

Study design
Randomised interventional single centre treatment trial

Primary study design
Interventional

Secondary study design
Randomised controlled trial

Study setting(s)
Hospital

Study type(s)
Treatment

Participant information sheet
Not available in web format, please use the contact details below to request a patient information sheet

Health condition(s) or problem(s) studied
Topic: Musculoskeletal; Subtopic: Musculoskeletal (all Subtopics); Disease: Musculoskeletal

Interventions
Patients aged greater than 18 years with greater than 3 months chronic low back pain awaiting physiotherapy at the Nuffield Orthopaedic Centre will be asked to complete one week of diary record of pain. An average of one week of diary record of pain by linear analogue scale will be the baseline measure of the primary outcome measure. Patients will be excluded if they complete the diary on less than 3 days during this week.

Intervention Type
Other

Phase

Not Applicable

Primary outcome measure
0 - 100 mm Linear Analogue Pain Scale (LAS) for back pain, taken daily for one week recording best, worst and average. Outcome was based on mean score of 7 daily average scores.

Secondary outcome measures
1. Oswestry Disability Index
2. Euroqol
3. DRAM
4. An open questionnaire to assess satisfaction and comments on treatment.

Measured at baseline, 3 weeks, 6 weeks and 3 months.

Overall study start date
01/01/2006

Completion date
01/01/2008

Eligibility

Key inclusion criteria
1. Chronic low back pain
2. Aged 18 years or older, either sex

Participant type(s)
Patient

Age group
Adult

Lower age limit
18 Years

Sex
Both

Target number of participants
Planned Sample Size: 90. Actual sample size: 54 (reduced from 3-arm to 2-arm study)

Key exclusion criteria
1. Aged less than 18 years
2. Treatment likely to harm patient

Date of first enrolment
01/01/2006

Date of final enrolment
01/01/2008

Locations

Countries of recruitment
England

United Kingdom

Study participating centre
Old Road
Oxford
United Kingdom
OX3 7LF

Sponsor information

Organisation
Nuffield Orthopaedic Centre NHS Trust (UK)

Sponsor details
c/o Fiona Parker
Windmill Road
Oxford
England
United Kingdom
OX3 7LD

Sponsor type
Hospital/treatment centre

Website
http://www.noc.nhs.uk/

ROR
https://ror.org/0036ate90

Funder(s)

Funder type
Charity

Funder Name

The Wellcome Trust (UK) (grant ref: 078195)

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

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	28/06/2008		Yes	No