Low field TMS as pain treatment as measured with quantitative sensory testing.

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON21962

Source
Nationaal Trial Register

Brief title
microTMS-PAIN

Health condition

1. Pain;

2. nociceptive pain;

3. neuropathic pain.

Sponsors and support

Primary sponsor: UMCG
Postbus 196
9700 AD Groningen
the Netherlands
Source(s) of monetary or material Support: UMCG
Postbus 196
9700 AD Groningen
the Netherlands

Intervention

Outcome measures

Primary outcome

Safety and tolerability in healthy volunteers and patients: any self-reported experiences are recorded. Small neuropsychological tests are performed such as long number recollection and reverse recital of the months of the year.
Neuropathic pain model in healthy volunteers and neuropathic pain in patients: visual analogue scale of pain intensity.

Nociceptive pain model in healthy volunteers and patients: warmth detection threshold (oC) and heat pain threshold (oC).

Secondary outcome

During the pain studies (as opposed to the safety and tolerability studies where this is the main endpoint) all subjects are debriefed about whether any sensations were perceived during the experiment.

Study description

Background summary

N/A

Study objective

Low field TMS can reduce nociceptive and neuropathic pain.

Study design

Two lab visits, approx. one week apart.

Intervention

Transcraniele magnetische stimulatie met zwakke velden.

Contacts

Public
Postbus 196

R. Kortekaas
Groningen 9700 AD
The Netherlands
Scientific
Postbus 196

R. Kortekaas
Groningen 9700 AD
The Netherlands

Eligibility criteria

Inclusion criteria

1. 18-80 years old;

2. subjectively healthy;

3. neuropathic pain (patients only).

Exclusion criteria

1. Neurological (e.g. epilepsy) history (volunteers only);

2. Neurological history apart from neuropathic pain (patients only);

3. Psychiatric history;

4. Recent use (within four weeks) of antidepressants, antiepileptic drugs or prescription psychopharmaca;

5. Excessive use of: coffee (>10 units per day), alcohol (>10 units per day);

6. Recent use (within four weeks) of cannabis or any other non-prescription psychopharmaca;

7. Presence in the body of MRI incompatible implants, electronic implants (e.g. cardiac pacemakers),or connectors of electronic equipment (e.g. electrodes).

Study design

Design

Study type:	Interventional
Intervention model:	Crossover
Allocation:	Randomized controlled trial
Masking:	Double blinded (masking used)
Control:	Placebo

Recruitment

NL

Recruitment status:	Recruiting
Start date (anticipated):	01-11-2007
Enrollment:	100
Type:	Anticipated

Ethics review

Positive opinion

Date:	16-10-2007
Application type:	First submission

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL1060
NTR-old	NTR1093
Other	UMCG : microTMS001
ISRCTN	ISRCTN wordt niet meer aangevraagd

Study results

Summary results
N/A