Subclinical cerebellar dysfunction in patients with migraine.

No registrations found.

Ethical review	Not applicable
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON29211

Source
NTR

Brief title
N/A

Health condition

engels: migraine, headache, eyeblink, cerebellum, sway-test
nederlands: migraine, oogknipper, cerebellum, sway-test

Sponsors and support

Primary sponsor: W.Brekelmans
Source(s) of monetary or material Support: fund=initiator=sponsor

Intervention

Outcome measures

Primary outcome

The conditioning as measured with eyeblink between migrainepatients and controls.

Secondary outcome

1. The sensitivity of trigeminus system by migrainepatients compared with controls.
Do the results of the disturbed conditioned corresponds to a coordinationdisorder measured by the sway-test?;

2. The relations between the contols, the migrainepatients and the patients with a degenerative disease.

Study description

Background summary

Earlier examinations possibly shows small damage of the cerebellum in patients with migraine, especially in patients with aura. These defects are structural as well as functional. It is also shown that conditioning largely takes place in the cerebellum. The eye-blinker is a valid method to measure conditioning. The Sway-test is a good methode to measure the coordination and to detect minimal movements.

This study will examine the difference in conditioning between patients with migraine en healthy volunteers.

Study objective

Migraine patients, compared with healthy volunteers, have more subclinical cerebellar dysfunctions, measured by the eye-blinker.

Study design

N/A

Intervention

The difference in the conditioning, between migraineurs and healthy volunteers,
is measured by using the eyeblinker. The technique is called the chip-MDMT
(Magnetic Distant Measurement Technique). A magnet will be placed on the right eyelid. A sensor will be placed below the right eye. So the length, the power and the time of each blink is measured. The test will consist of 8 trials of 6 minutes. A conditioned respons will be generated by using airpuffs and tones.

Contacts

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Eligibility criteria

Inclusion criteria

1. Patients with migraine and aura with minimal 6 attacks a year (2 with aura);

2. Healthy volunteers without migraine;

3. Patients with a cerebellar degenerative diseases.

Exclusion criteria

For the migrainepatients and healthy controls:

1. Neurologic diseases in which the function of cerebellum is disturbed;

2. The use of medicines/drugs which have influence on the coordination 24 hours before taking part of this examination.

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	01-03-2007
Enrollment:	60
Type:	Actual

Ethics review

Not applicable

Application type:	Not applicable

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	NL914
NTR-old	NTR938

Register	ID
Other	: N/A
ISRCTN	ISRCTN94004433

Study results

Summary results
N/A