

Subclinical cerebellar dysfunction in patients with migraine

Submission date 02/05/2007	Recruitment status No longer recruiting	☐ Prospectively registered
Registration date 02/05/2007	Overall study status Completed	☐ Protocol
Last Edited 22/09/2021	Condition category Nervous System Diseases	☐ Statistical analysis plan
		☐ Results
		☐ Individual participant data
		☐ Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
NL914 (NTR938)

Study information

Scientific Title
Subclinical cerebellar dysfunction in patients with migraine

Study objectives

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

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Observational, parallel group, case-control study

Primary study design

Observational

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Migraine with aura

Interventions

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 eight trials of six minutes. A conditioned response will be generated by using airpuffs and tones.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

The conditioning as measured with eyeblink between migraine patients and controls.

Key secondary outcome(s)

1. The sensitivity of the trigeminus system by migraine patients compared with controls: do the results of the disturbed conditioned corresponds to a coordination disorder measured by the sway-test?
2. The relations between the controls, the migraine patients and the patients with a degenerative disease

Completion date

10/06/2007

Eligibility

Key inclusion criteria

1. Patients with migraine and aura with minimal six attacks a year (two with aura)
2. Healthy volunteers without migraine
3. Patients with a cerebellar degenerative disease

Participant type(s)

Healthy volunteer

Healthy volunteers allowed

No

Age group

Not Specified

Sex

Not Specified

Key exclusion criteria

For the migraine patients and healthy controls:

1. Neurological 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

Date of first enrolment

01/03/2007

Date of final enrolment

10/06/2007

Locations**Countries of recruitment**

Netherlands

Study participating centre

Leiden University Medical Centre (LUMC)

Leiden

Netherlands

2300 RC

Sponsor information**Organisation**

Leiden University Medical Centre (LUMC) (The Netherlands)

ROR

<https://ror.org/027bh9e22>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

Leiden University Medical Centre (LUMC) (The Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration