Genetic research of epilepsy

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To set up a repository of genetic material from a large group of well phenotyped people with epilepsy patients to allow the case control association studies, and families for linkage studies, to analyze and detect genetic risk factors for epilepsy...

Ethical review	Not approved
Status	Will not start
Health condition type	Neurological disorders NEC
Study type	Observational non invasive

Summary

ID

NL-OMON35985

Source
ToetsingOnline

Brief title
EPINED

Condition

- Neurological disorders NEC

Synonym
convulsions, epilepsy

Research involving
Human

Sponsors and support

Primary sponsor: Academisch Medisch Centrum
Source(s) of monetary or material Support: Subsidie van het Nederlandse Epilepsie Fonds

Intervention

Keyword: epilepsy, genetics

Outcome measures

Primary outcome

Genetic variation in genes that potentially predispose to epilepsy.

Secondary outcome

None

Study description

Background summary

The epilepsies are likely to be due to a combination of genetic and environmental factors or are triggered by an interaction of such factors in susceptible individuals. Some of the genetic risk factors have been identified by examining families with (rare) hereditary epilepsies. Epileptic disorders have been associated to mutations in genes that code ion channels, or neuronal receptors, but also in genes that have no direct relation to neuronal electrophysiology. The study of epilepsy genes may contribute to a better understanding of the molecular mechanisms, and lead to the development of better therapies for the condition.

Study objective

To set up a repository of genetic material from a large group of well phenotyped people with epilepsy patients to allow the case control association studies, and families for linkage studies, to analyze and detect genetic risk factors for epilepsy.

Study design

Collection of cases for a case control study; collection of patients from epilepsy families for linkage study.

Study burden and risks

The burden of participation will be a single venapuncture for 10 ml of blood and supplying some additional information. The benefit will be that more knowledge of the disease will be achieved when important genetic risk factors are identified.

Contacts

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adolescents (12-15 years)
Adolescents (16-17 years)
Children (2-11 years)

Inclusion criteria

Epilepsy according to 'International League Against Epilepsy' classification

Exclusion criteria

mental retardation, brain-tumor

Study design

Design

Study type:	Observational non invasive
Intervention model:	Other
Allocation:	Non-randomized controlled trial
Masking:	Open (masking not used)
Control:	Active
Primary purpose:	Basic science

Recruitment

NL

Recruitment status:	Will not start
Enrollment:	1000
Type:	Anticipated

Ethics review

Not approved

Date:	02-08-2011
Application type:	First submission
Review commission:	METC Universitair Medisch Centrum Utrecht (Utrecht)

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
CCMO	NL36027.041.11