# Genetic research of epilepsy

Published: 02-08-2011
Last updated: 28-04-2024

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

**Public**
Academisch Medisch Centrum

Universiteitsweg 100
3584CG
NL
**Scientific**
Academisch Medisch Centrum

Universiteitsweg 100
3584CG
NL

# 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 |