# **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

Public Academisch Medisch Centrum

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

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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

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NL	
Recruitment status:	Will not start
Enrollment:	1000
Туре:	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

ССМО

**ID** NL36027.041.11