

# Skin biopsy for research in genetic metabolic diseases

Published: 14-01-2008

Last updated: 08-05-2024

To obtain skin biopsies of healthy volunteers for scientific research.

<b>Ethical review</b>	Approved WMO
<b>Status</b>	Pending
<b>Health condition type</b>	Neurological disorders congenital
<b>Study type</b>	Observational invasive

## Summary

### ID

NL-OMON30876

### Source

ToetsingOnline

### Brief title

Skin biopsy for research in genetic metabolic diseases

### Condition

- Neurological disorders congenital

### Synonym

Niet van toepassing

### Research involving

Human

### Sponsors and support

**Primary sponsor:** Academisch Medisch Centrum

**Source(s) of monetary or material Support:** Ministerie van OC&W

### Intervention

**Keyword:** genetic metabolic disease, skin biopsy

## Outcome measures

### Primary outcome

Not applicable.

### Secondary outcome

Not applicable.

## Study description

### Background summary

Fibroblasts are an excellent model system for the study of metabolic disease. Besides patient cell lines, fibroblasts from healthy volunteers are also necessary to obtain reference values for the measured parameters. Cells can be cultured for only a few months before they lose the ability to divide (non-immortalized cells). Therefore a fresh supply of biopsies is necessary from time to time. Healthy individuals rarely undergo skin biopsies, and the consequence is that these cells are relatively scarce. Using leftover tissue (from surgery or cadavers) is not a feasible option, since these cells are often of poor quality (not immediately preserved in culture medium, contaminated with micro-organisms). The goal of this project is to obtain skin biopsies from healthy volunteers for the scientific study of metabolic disease.

### Study objective

To obtain skin biopsies of healthy volunteers for scientific research.

### Study design

Healthy volunteers undergo a skin biopsy in an outpatient clinic setting.

### Study burden and risks

Participants undergo one skin biopsy, which is sometimes considered painful. There is a minimal risk of wound infection. A scar may be visible after wound healing.

## Contacts

### Public

Academisch Medisch Centrum

Meibergdreef 9  
1100DD Amsterdam  
Nederland

### Scientific

Academisch Medisch Centrum

Meibergdreef 9  
1100DD Amsterdam  
Nederland

## Trial sites

### Listed location countries

Netherlands

## Eligibility criteria

### Age

Adults (18-64 years)

Elderly (65 years and older)

### Inclusion criteria

Healthy male or female over 18 years of age

### Exclusion criteria

Disorders of the coagulation system making a skin biopsy unsafe

## Study design

## Design

**Study type:** Observational invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Other

## Recruitment

NL

Recruitment status: Pending

Start date (anticipated): 01-07-2007

Enrollment: 10

Type: Anticipated

## Ethics review

Approved WMO

Application type: First submission

Review commission: METC Amsterdam UMC

## 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**

CCMO

**ID**

NL18194.018.07