Generation of a DNA databank for type 2 diabetes.

Published: 17-09-2007 Last updated: 08-02-2025

Identification of type 2 diabetes susceptibility genes in the Duch population.

Ethical review	Approved WMO
Status	Will not start
Health condition type	Glucose metabolism disorders (incl diabetes mellitus)
Study type	Observational non invasive

Summary

ID

NL-OMON57273

Source ToetsingOnline

Brief title Leiden diabetes DNA databank

Condition

• Glucose metabolism disorders (incl diabetes mellitus)

Synonym diabetes, Type 2 diabetes

Research involving Human

Sponsors and support

Primary sponsor: Leids Universitair Medisch Centrum **Source(s) of monetary or material Support:** Ministerie van OC&W

Intervention

Keyword: Diabetes, Genetics, Type 2 diabetes

Outcome measures

Primary outcome

Construction of a DNA databank with samples from type 2 diabetes patients for

future genetic research regarding this disease.

Primary endpoint will be the association of gene variants with type 2 diabetes.

Secondary outcome

Not applicable.

Study description

Background summary

Several genetic factors influencing development of type 2 diabetes mellitus have been identified during the past years. However, progress has been slow. Furthermore the effect size of the known genetic susceptibility factors has shown to be relatively low. This suggests that only a combination of several genetic risk factors in association with a detrimental life style will eventually lead to chronic hyperglycaemia, which is the general hallmark of type 2 diabetes mellitus. The low impact of individual genetic defects implicates that only sufficiently powered studies (i.e. with large sample sizes) will be able to detect associations between a gene and the disease. Increased knowledge about the pathogenesis of the disease and disease-related complications might provide better prevention and treatment options for those at risk. Moreover, it might enable us to halt the rapidly growing number of patients worldwide.

Study objective

Identification of type 2 diabetes susceptibility genes in the Duch population.

Study design

A genetic association study using a case-control design. The current cohort will be used in conjunction with other available cohorts of subjects with or without type 2 diabetes (n=4000+).

Study burden and risks

Not applicable.

Contacts

Public Leids Universitair Medisch Centrum

Postbus 9600 2300 RC Leiden NL **Scientific** Leids Universitair Medisch Centrum

Postbus 9600 2300 RC Leiden NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years) Elderly (65 years and older)

Inclusion criteria

Type 2 diabetes, receiving patientcare at the LUMC in 1994. Caucasian ethnicity.

Exclusion criteria

Type 1 diabetes.

Study design

Design

Study type: Observational non invasive		
Masking:	Open (masking not used)	
Control:	Uncontrolled	
Primary purpose:	Basic science	

Recruitment

NL	
Recruitment status:	Will not start
Start date (anticipated):	01-08-2007
Enrollment:	700
Туре:	Anticipated

Ethics review

Approved WMO	
Date:	17-09-2007
Application type:	First submission
Review commission:	METC Leiden-Den Haag-Delft (Leiden)
	metc-ldd@lumc.nl

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 NL18818.058.07