Metabolomic profiling of urine in patients with mitochondrial disorders

Published: 17-10-2008
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Since muscle biopsy is a invasive and risky operation, we hope to find a new way to diagnose mitochondrial disorders.

Ethical review	Approved WMO
Status	Pending
Health condition type	Metabolic and nutritional disorders congenital
Study type	Observational non invasive

Summary

ID

NL-OMON31362

Source
ToetsingOnline

Brief title
Metabolomic profiling of urine in patients with mitochondrial disorders

Condition

- Metabolic and nutritional disorders congenital

Synonym
mitochondrial cytopathie

Research involving
Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum
Source(s) of monetary or material Support: Grants uit ZuidAfrika

Intervention

Keyword: diagnostics, metabolomic profiling, mitochondrial disorders

Outcome measures

Primary outcome

Metobolomic profiles and analysed date of urinary profile in urine.

Secondary outcome

-

Study description

Background summary

Mitochondrial disorders are a heterogenous group of patients. Many organs can be affected by the disease because of lowered energy production. The diagnostics of this disease can be very difficult.
Metabolomic research gives hope to a simplification of the diagnosis.

Study objective

Since muscle biopsy is a invasive and risky operation, we hope to find a new way to diagnose mitochondrial disorders.

Study design

Collection of urine for analysis in our lab and partly shipping to South Africa for analysis.

Study burden and risks

None.

Contacts

Public
Selecteer

ziekerstraat 114
6511lk nijmegen
Nederland

Scientific
Selecteer

ziekerstraat 114
6511lk nijmegen
Nederland

Trial sites

Listed location countries

Netherlands

Eligibility criteria

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

Inclusion criteria

younger than 18 years, proven mitochondrial disorder, informed consent signed

Exclusion criteria

older than 18 years, no mitochondrial disorder proven, no consent

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:	Diagnostic

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	30-09-2007
Enrollment:	30
Type:	Anticipated

Ethics review

Approved WMO

Application type:	First submission
Review commission:	CMO regio Arnhem-Nijmegen (Nijmegen)

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
Other	bekend in ZuidAfrika
CCMO	NL19483.091.07