

Lowering blood viscosity improves cardiac output

Published: 17-07-2007

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influence of blood viscosity on cardiac output (circulation time)

Ethical review	Approved WMO
Status	Pending
Health condition type	Other condition
Study type	Observational non invasive

Summary

ID

NL-OMON30986

Source

ToetsingOnline

Brief title

Lowering blood viscosity improves cardiac output

Condition

- Other condition
- Heart failures
- Lipid metabolism disorders

Synonym

familiaire hypercholesterolemie

Health condition

circulatieverbetering bij pt met hoog viscositeit

Research involving

Human

Sponsors and support

Primary sponsor: Universitair Medisch Centrum Sint Radboud

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

Intervention

Keyword: blood viscosity, cardiac output, circulation time

Outcome measures

Primary outcome

change of circulation time (cardiac output) before and after plasmapheresis

change of blood viscosity

change of HDL/fibrinogeen/BNP/CRP/hematocrit

Secondary outcome

nvt

Study description

Background summary

lowering blood viscosity improves cardiac output

Study objective

influence of blood viscosity on cardiac output (circulation time)

Study design

2 test before and after plasmapheresis

1. measurement of circulation time with iv injection of MgSO₄ before and after plasmapheresis

2. measurement of blood viscosity before and after plasmapheresis in combination with LDL/fibrinogeen/BNP and Hb measurement

Study burden and risks

low burden, low risk

Contacts

Public

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Scientific

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Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age

Adults (18-64 years)

Elderly (65 years and older)

Inclusion criteria

hypercholesterol
treatment with plasmapheresis

Exclusion criteria

nvt

Study design

Design

Study type: Observational non invasive

Masking: Open (masking not used)

Control: Uncontrolled

Primary purpose: Basic science

Recruitment

NL

Recruitment status: Pending

Start date (anticipated): 01-05-2007

Enrollment: 2

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
CCMO	NL17400.091.07