

Hemodynamic effects of xenon or sevoflurane anesthesia measured by microcirculation

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON26640

Source

Nationaal Trial Register

Brief title

N/A

Health condition

ASA III patients
left ventricular failure
defibrillator
Xenon
Microcirculation

Sponsors and support

Primary sponsor: UZ Brussel

Laarbeeklaan 101
1090 Jette

Source(s) of monetary or material Support: Prof.Dr. J. Poelaert

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Intervention

Outcome measures

Primary outcome

Microcirculatory changes induced by xenon or sevoflurane anesthesia.

Secondary outcome

N/A

Study description

Background summary

This study concerns the assessment of microcirculatory alterations induced by xenon or sevoflurane anesthesia in patients with compromised left ventricular systolic function. We will measure the microcirculation with a sublingual echo and we will combine this with pulse contour method to follow the cardiac output and heart function.

Study objective

The aim of the study is the assessment of microcirculatory alterations induced by xenon or sevoflurane anesthesia in patients with compromised left ventricular systolic function.

Study design

Once the adequate anesthetic level (i.e. .6 of Xenon or 1 MAC sevoflurane concentration measured by the anesthetic machine) is obtained microcirculation is assessed.

Intervention

Microcirculatory alterations and hemodynamics will be assessed before and after start of xenon or sevoflurane anesthesia.

Contacts

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Eligibility criteria

Inclusion criteria

- Patients with left ventricular ejection fraction <30%
- Undergoing the insertion of a defibrillator
- Age >18y-75y

Exclusion criteria

- Patients with ASA I and ASA II
- Age <18y
- Normal LV function

Study design

Design

Study type:	Interventional
Intervention model:	Factorial
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL
Recruitment status: Recruiting
Start date (anticipated): 01-08-2014
Enrollment: 20
Type: Anticipated

Ethics review

Positive opinion
Date: 19-12-2013
Application type: First submission

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
NTR-new	NL4167
NTR-old	NTR4326
Other	2013-004582-14 EudraCT : 2013/368 MEC UZ Brussel
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Study results

Summary results

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N/A