

Bio-impedance monitoring in patients hospitalized with acute decompensated heart failure

No registrations found.

Ethical review	Positive opinion
Status	Recruiting
Health condition type	-
Study type	Observational non invasive

Summary

ID

NL-OMON23218

Source

NTR

Health condition

Heart Failure, Acute Heart Failure

Sponsors and support

Primary sponsor: Philips Research Eindhoven

Source(s) of monetary or material Support: Philips Research Eindhoven

Intervention

Outcome measures

Primary outcome

The ability of the device data to detect improvements in haemodynamic status.

Secondary outcome

Prognostic ability of the device data at discharge and 6-month re-admission or death.

Study description

Study objective

The primary objective of this study is to explore the correlation between invasive and non-invasive haemodynamic variables and monitor the effect of treatment during admission for acute decompensated heart failure. In particular to investigate correlations between device data (trans-thoracic impedance) and invasive measures of pulmonary capillary wedge pressures.

The secondary objective is to investigate the relationship between device data at discharge and risk of readmission/death at 6 months.

Intervention

N/A

Contacts

Public

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Eligibility criteria

Inclusion criteria

- Age \geq 18 years
- Presence of an impedance-enabled CRT and/or ICD device > 2 months
- Hospitalized because of symptoms/ signs of decompensation
- Objective evidence of cardiac dysfunction
- NTproBNP on admission > 450 pg/ml
- Follow-up exclusively in the OLV Hospital of Aalst
- Need for treatment with diuretics (IV or oral), in higher dose than maintenance dose

Exclusion criteria

- Severe pulmonary disease (one minute forced expiratory volume below 1.0L/s)
- Poor echo window
- Anticoagulant therapy
- Need for ventilation
- Prisoners
- Pregnancy

Study design

Design

Study type: Observational non invasive

Intervention model: Other

Control: N/A , unknown

Recruitment

NL
Recruitment status: Recruiting
Start date (anticipated): 10-07-2015
Enrollment: 20
Type: Anticipated

Ethics review

Positive opinion
Date: 11-08-2015
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	NL5207
NTR-old	NTR5356
Other	: B1260201523663

Study results