

Heart failure on ward

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External validation of discharge risk score for patients admitted with acute decompensated heart failure (ADHF). Determine added value of biomarkers in multimarker panel for discharge risk stratification of ADHF patients. Determine added value of...

Ethische beoordeling	Positief advies
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Observationeel onderzoek, zonder invasieve metingen

Samenvatting

ID

NL-OMON27799

Bron

NTR

Verkorte titel

HF on Ward

Aandoening

Heart failure

Ondersteuning

Primaire sponsor: Eigen geïnitieerd onderzoek

Overige ondersteuning: nvt

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

All cause mortality and a composite of all-cause mortality and/or first readmission for cardiovascular reasons within 6 months after discharge.

Toelichting onderzoek

Achtergrond van het onderzoek

Patients admitted with acute decompensated HF (ADHF) have poor short- and long-term prognosis, after discharge $\approx$ 20% of patients are

readmitted within 30 days and up to 50% by 6 months. A reduction in HF readmissions simultaneously improves the

quality of care and reduces costs. To reduce HF readmission rates a comprehensive characterization of predictors of

readmission in patients with HF is imperative. Multivariable risk scores can predict risk for adverse events such as

readmission or mortality in patients admitted with ADHF. Next to natriuretic peptide levels, other biomarkers have emerged that allow prognostication of patients admitted with

ADHF. Recent studies have shown that combining multiple biomarkers in a multimarker panel, substantially improves

prediction of adverse events beyond current metrics. The primary objective of this study is to

perform an external validation of the ELAN-HF score in a cohort of patients admitted with ADHF at the Catharina

Hospital. A second primary objective is to serially measure a multimarker panel in this cohort and combine these

measurements with clinical data from multiple sources (e.g. prescribed medication, medical history, physiological

measurements etc.) to capture the heterogeneous nature of HF in a novel discharge risk score.

Doel van het onderzoek

External validation of discharge risk score for patients admitted with acute decompensated heart failure (ADHF).

Determine added value of biomarkers in multimarker panel for discharge risk stratification of ADHF patients.

Determine added value of wrist-based PPG measurements after discharge in predicting readmission and/or mortality of ADHF patients.

Determine association between biomarkers and quality of life in patients with ADHF.

External validation of a Bayesian hemodynamics model in patients with ADHF.

Onderzoeksopzet

Shortly after discharge (one to two weeks)

6 months after discharge

Onderzoeksproduct en/of interventie

None

Contactpersonen

Publiek

Wetenschappelijk

Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

- Undergo treatment for acute decompensated heart failure
- Aged 18 or above and mentally competent.
- Capable of understanding the Dutch language.
- Must sign informed consent.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

- Patients where follow-up is not possible (e.g. in-hospital mortality or follow-up not taking place at the study center).

Onderzoeksopzet

Opzet

Type:	Observationeel onderzoek, zonder invasieve metingen
Onderzoeksmodel:	Anders
Blinding:	Open / niet geblindeerd
Controle:	N.v.t. / onbekend

Deelname

Nederland	
Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-11-2018
Aantal proefpersonen:	278
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies	
Datum:	19-10-2018
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

ID: 46619
Bron: ToetsingOnline
Titel:

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL6774
NTR-old	NTR7643
CCMO	NL65323.100.18
OMON	NL-OMON46619

Resultaten