The use of a point-of-care thoracic ultrasound protocol for hospital medical emergency teams

Published: 18-01-2018
Last updated: 04-01-2025

Concordance between MET diagnosis with and without the use of ultrasound with the chart review definitive diagnosis will be studied. Also other secondary endpoints will be evaluated.

Ethical review	Approved WMO
Status	Completed
Health condition type	Heart failures
Study type	Observational non invasive

Summary

ID

NL-OMON44388

Source
ToetsingOnline

Brief title
METUS

Condition

- Heart failures
- Encephalopathies
- Respiratory tract infections

Synonym
clinical deterioration

Research involving
Human

Sponsors and support

Primary sponsor: Rijnstate Ziekenhuis
Source(s) of monetary or material Support: Wetenschaps rekening intensivisten

Rijnstate

Intervention

Keyword: cardiac, lung, MET, ultrasound

Outcome measures

Primary outcome

Concordance between MET diagnosis with and without the use of ultrasound with

the chart review definitive diagnosis will be studied.

Secondary outcome

• Possible difference in diagnostic certainty

• Possible differences in initial treatment

• Possible differences in patients* disposition

• Whether the use of ultrasound was considered to be helpful

• MET physicians characteristics

• Possible difference in the time needed to reach a diagnosis

• Possible difference in the need for supervisor attendance

• Number of times ultrasound was used in te *non-ultrasound weeks*

Study description

Background summary

Study to assess the possible effects of the use of a point-of-care thoracic ultrasound protocol for hospital medical emergency teams

Study objective

Concordance between MET diagnosis with and without the use of ultrasound with the chart review definitive diagnosis will be studied. Also other secondary

endpoints will be evaluated.

Study design

prospective interventional study

Intervention

ultrasound protocol heart and lungs

Study burden and risks

The expected risks and burden for the patient are very limited.
- the MET team will work according existing protocols
- only if clinically possible after first assessment a limited ultrasound examination will be done (heart and lungs)
-the MET physician will collect the data afterwards
- ultrasound is without any risk (in terms of radiation or other physical burden)
- the limited ultrasound protocol is the only "extra" in this study
- consent will be asked afterwards (deferred consent)

Contacts

Public
Rijnstate Ziekenhuis

Wagnerlaan 55
Arnhem 6815AD
NL
Scientific
Rijnstate Ziekenhuis

Wagnerlaan 55
Arnhem 6815AD
NL

Trial sites

Listed location countries

Netherlands

Eligibility criteria

Age
Adults (18-64 years)
Elderly (65 years and older)

Inclusion criteria

patients on the general wards in need treatment by the MET team

Exclusion criteria

age < 18 years
pregnancy
acute illness requiring direct intervention (e.g. intubation, cardiopulmonary resuscitation)

Study design

Design

Study type: Observational non invasive

Masking:	Open (masking not used)
Control:	Uncontrolled
Primary purpose:	Health services research

Recruitment

NL

Recruitment status:	Completed
Start date (anticipated):	18-01-2019
Enrollment:	200
Type:	Actual

Ethics review

Approved WMO Date:	18-01-2018
Application type:	First submission
Review commission:	CMO regio Arnhem-Nijmegen (Nijmegen)
Approved WMO Date:	25-04-2019
Application type:	Amendment
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	NL61884.091.17

Study results

Date completed:	11-05-2020
Results posted:	10-05-2021
Actual enrolment:	100

Summary results
Trial ended prematurely

First publication

10-05-2021