Improving antithrombotic treatment in atrial fibrillation

No registrations found.

Ethical review	Not applicable
Status	Pending
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON25098

Source
NTR

Health condition

Atrial Fibrillation, Prevention, Stroke

Sponsors and support

Primary sponsor: Academic Medical Center (AMC), Amsterdam
Source(s) of monetary or material Support: N/A

Intervention

Outcome measures

Primary outcome

The proportion of patients with non-valvular atrial fibrillation whose anti-thrombotic treatment prescription is in accordance with the ESC guideline for atrial fibrillation.

Secondary outcome

N/A

Study description

Background summary

A clinical decision support system will be implemented in three hospitals in the Netherlands, integrated in the electronic health record. This system will alert the cardiologist about the CHA2DS2-VASc score and HAS-BLED score of a patient with atrial fibrillation, and suggests antithrombotic treatment based don the ESC guideline for atrial fibrillation.

Two study arms will be used: an intervention arm using the EHR with the clinical decision support system, the control group with the same EHR, but without the clinical decision support system.

The main outcomes will be the percentage of anti-thrombotic prescriptions in patients with atrial fibrillation according to the Dutch guideline.

Study objective

The use of a clinical decision support system will increase adherence to the ESC guideline for atrial fibrillation in terms of calculation of CHA2DS2-VASc score and HAS-BLED score, and the resulting accurate antithrombotic treatment.

Study design

Adherence will be measured at the end of the study.

Intervention

A clinical decision support system integrated in the electronic health record (EHR) of the patient, that calculates the CHA2DS2-VASc score and HAS-BLED score based on the patient information stored in the EHR, and advises the physician regarding the antithrombotic treatment strategy to be followed, based on the ESC guidelines for atrial fibrillation.

Two study arms will be used: An intervention group which received the clinical decision support system, integrated in the EHR, and a control group using the same EHR but without the clinical decision support system.

Contacts

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Eligibility criteria

Inclusion criteria

Patients: All patients with atrial fibrillation visisting one of the three selected hospitals in the Netherlands.

Physicians: All cardiologists working in one of the three selected hospitals in the Netherlands (Franciscus Ziekenhuis Roosendaal, Lievensberg Ziekenhuis Bergen op Zoom, and Beatrixziekenhuis Gornichem).

Exclusion criteria

N/A

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Open (masking not used)
Control:	Active

Recruitment

NL

Recruitment status:	Pending
Start date (anticipated):	01-01-2015
Enrollment:	0

Type: Anticipated

Ethics review

Not applicable
Application type: Not applicable

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	NL4900
NTR-old	NTR5002
Other	: N/A

Study results

Summary results
N/A