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Monitoring and improving guideline adherence by an electronic decision support system

Submission date	Recruitment status	[_] Prospectively registered
20/12/2005	No longer recruiting	[_] Protocol
Registration date	**Overall study status**	[_] Statistical analysis plan
20/12/2005	Completed	[X] Results
Last Edited	**Condition category**	[_] Individual participant data
11/05/2009	Circulatory System	

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
NTR246

Study information

Scientific Title
Monitoring and improving guideline adherence by an electronic decision support system: a multicentre cluster randomised trial

Acronym
CARDSS

Study objectives
Care providers are more likely to adhere to clinical practice guidelines when they receive guideline-based decision support by an electronic system.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Received from local medical ethics committee

Primary study design
Interventional

Study design
Multicentre, randomised, active controlled, parallel group trial

Study type(s)
Diagnostic

Health condition(s) or problem(s) studied
Heart Disease, cardiac rehabilitation

Interventions
Randomisation takes place at cluster (centre) level. The participating cardiac rehabilitation centres will either work with an intervention version of the DSS, having full functionality with advice, or with a control version, which comprises patient records and information management services but provides no advice regarding clinical decisions. The system is based on the Dutch Cardiac Rehabilitation Guidelines 2004.

Intervention Type
Other

Phase
Not Applicable

Primary outcome(s)
Adherence, by care providers, to the Dutch Cardiac Rehabilitation Guidelines.

Key secondary outcome(s)
No secondary outcome measures

Completion date
01/01/2006

Eligibility

Key inclusion criteria

The decision support system (DSS) can be used at all Dutch cardiac rehabilitation (CR) centres. These centres treat patients after acute coronary syndromes, patients with angina pectoris, heart failure, and/or congenital heart disease, and patients who have undergone cardiac surgery, percutaneous transluminal coronary angioplasty, or heart transplant surgery, or have received an implantable cardioverter defibrillator.

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Not Specified

Sex
Not Specified

Key exclusion criteria
The system should be used on a routine basis in the participating CR centres, for all patients that are screened for CR no patients are excluded.

Date of first enrolment
01/01/2005

Date of final enrolment
01/01/2006

Locations

Countries of recruitment
Netherlands

Study participating centre
Academic Medical Centre, UvA
Amsterdam
Netherlands
1105 AZ

Sponsor information

Organisation
Netherlands Heart Foundation (Nederlandse Hartstichting) (Netherlands)

ROR

https://ror.org/05nxhgm70

Funder(s)

Funder type
Research organisation

Funder Name
The Netherlands Organisation for Health Research and Development (ZonMw) (Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	27/04/2009		Yes	No
Study website	Study website	11/11/2025	11/11/2025	No	Yes