

Dissociation of electrical signals between layers of the heart and development of atrial fibrillation

No registrations found.

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

Summary

ID

NL-OMON26625

Source

NTR

Brief title

EPIC END

Health condition

Atrial fibrillation
Cardiac Surgery

Sponsors and support

Primary sponsor: Erasmus University Medical Center

Source(s) of monetary or material Support: European Union

Intervention

Outcome measures

Primary outcome

electrical dissociation between endo- and epicardium

Secondary outcome

development of persistent atrial fibrillation during 5 years of follow-up and relationship to electrical dissociation between endo- and epicardium

Study description

Study objective

Persistent atrial fibrillation is associated with (increased) dissociation between the sub-endocardial and sub-epicardial layers of the atria

Study design

Mapping procedure at T=0.

Follow-up for atrial fibrillation progression at:

T=1; 6 months

T=2; 12 months

T=3; 24 months

T=4; 36 months

T=5; 48 months

T=6; 60 months

Intervention

Endo-epicardial mapping during (induced) atrial fibrillation, atrial fibrillation induced by high frequency pacing

Contacts

Public

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Eligibility criteria

Inclusion criteria

> 18 years

structural heart disease

scheduled for elective cardiothoracic surgery

Exclusion criteria

paced atrial rhythms

hemodynamic instability

presence of assist devices

usage of inotropic agents

emergency cardiac surgery

redo-cardiac surgery

prior ablative therapy in the atria

Wolff-Parkinson-White syndrome

LVEF < 40%

prior radiation of the chest for malignancies

kidney or renal failure

Study design

Design

Study type:	Interventional
Intervention model:	Factorial
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

Recruitment

NL	
Recruitment status:	Pending
Start date (anticipated):	01-01-2016
Enrollment:	150
Type:	Anticipated

Ethics review

Not applicable	
Application type:	Not applicable

Study registrations

Followed up by the following (possibly more current) registration

ID: 53005
Bron: ToetsingOnline
Titel:

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL5221
NTR-old	NTR5370
CCMO	NL50711.078.15
OMON	NL-OMON53005

Study results