

Identification of functional and structural consequences of aortic stenosis, pre and post aortic valve replacement.

No registrations found.

| | |
|------------------------------|----------------------------|
| Ethical review | Positive opinion |
| Status | Other |
| Health condition type | - |
| Study type | Observational non invasive |

Summary

ID

NL-OMON26924

Source

NTR

Health condition

Aortic valve stenosis and aortic valve replacement

Sponsors and support

Primary sponsor: Radboud University Medical Centre Nijmegen

Source(s) of monetary or material Support: Radboud University Medical Centre Nijmegen

Intervention

Outcome measures

Primary outcome

Characteristic differences between the strain-volume loops of patients with chronic severe aortic stenosis pre and post aortic valve replacements.

Secondary outcome

na

Study description

Background summary

Recent technical developments allow monitoring of strain and volume using echocardiography. Using this information enables the production of an strain-volume loop. In this study we will investigate the relationship strain and volume in patients with aortic stenosis pre and post aortic valve replacement. We aim to asses the structural and functional changes caused by aortic stenosis and after aortic valve replacement.

Study objective

We hypothesize that the deformation-volume loop will help to identify the consequences of aortic stenosis and the changes in functionality after aortic valve replacement (AVR)

Study design

na

Intervention

na

Contacts

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Eligibility criteria

Inclusion criteria

Chronic severe aortic stenosis for which aortic valve replacement is applied. Echographic assessment within 1 month after AVR and at least 6 months after AVR

Exclusion criteria

- hypokinetic or akinetic cardiac wall segments due to a myocardial infarction in the past.
- co-existing mitral, pulmonary or tricuspid valve disease

Study design

Design

Study type: Observational non invasive

Intervention model: Other

Control: N/A , unknown

Recruitment

NL

Recruitment status: Other

Start date (anticipated): 01-03-2016

Enrollment: 30

Type: Unknown

Ethics review

Positive opinion

Date: 02-03-2016

Application type: First submission

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 | NL5650 |
| NTR-old | NTR5767 |
| Other | CMO regio Arnhem-Nijmegen : 2016-2357 |

Study results