Prediction of clinical improvement following biventricular pacing in patients with end-stage heart failure using tissue Doppler echocardiography.

No registrations found.

Ethical review	Not applicable
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON29101

Source NTR

Brief title N/A

Health condition

Patients with end-stage heart failure

Sponsors and support

Source(s) of monetary or material Support: Netherlands Heart Foundation

Intervention

Outcome measures

Primary outcome

To develop non-invasive selection criteria (using echocardiography) to identify patients with end-stage heart failure who are likely to benefit from biventricular pacing.

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N/A

Study description

Background summary

N/A

Study objective

In patients with end-stage heart failure (NYHA class III or IV, LVEF <35%, QRS duration >120 ms, LBBB), the dyssynchrony of the left ventricle is the most important predictor of clinical benefit.

The dyssynchrony of the left ventricle can be assessed (at any time before implantation) noninvasively by Tissue Doppler Imaging(TDI).

Thus, information on dyssynchrony derived from TDI may predict clinical benefit from biventricular pacing (BVP).

Study design

N/A

Intervention

Patients will undergo BVP implantation based on traditional selection criteria. VO2 max and TDI will be performed before and 3 months after BVP implantation. From these patients the TDI criteria which optimally predict clinical improvement (in VO2 max) will be derived.

Contacts

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Eligibility criteria

Inclusion criteria

- 1. Severe heart failure (NYHA class III or IV);
- 2. Severely depressed left ventricular ejection fraction (LVEF <35%);
- 3. QRS exhibiting left bundle branch block configuration with a duration >120 ms.

Exclusion criteria

N/A

Study design

Design

Study type: Intervention model: Masking: Control: Interventional Other Open (masking not used) N/A , unknown

Recruitment

NL Recruitment status:

Recruitment stopped

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Start date (anticipated):	01-05-2003
Enrollment:	60
Туре:	Actual

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

ID
NL442
NTR482
: N/A
ISRCTN09353557

Study results

Summary results N/A

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