Effects of telemonitoring after cardiac surgery.

Gepubliceerd: 29-12-2010 Laatst bijgewerkt: 18-08-2022

N/A

Ethische beoordeling	Positief advies
Status	Werving nog niet gestart
Type aandoening	-
Onderzoekstype	Interventie onderzoek

Samenvatting

ID

NL-OMON28990

Bron
Nationaal Trial Register

Aandoening

Telemonitoring
Cardiac surgery
Aftercare

Telemonitoren
Hartchirurgie
Nazorgtraject

Ondersteuning

Primaire sponsor: Dr. J.G. Grandjean
M. ten Broeke
Overige ondersteuning: Zelfgefinancierde studie.

Onderzoeksproduct en/of interventie

Uitkomstmaten

Primaire uitkomstmaten

Quality of life: Measured with the SF-36 (Aaronson et al., 1998).

Toelichting onderzoek

Achtergrond van het onderzoek

The average time of hospital admission after cardiac surgery, without a patient being transferred to another hospital, is seven days, but depends on the post-operative course. Once returned to their home situation, patients' recovery is not always well. Questions and concerns may develop, which, if they remain unanswered, hinder the process of recovery. Furthermore, the recognition of symptons and complications is difficult for patients. To offer a patient optimum care, support and safety during the first four weeks after discharge after cardiac surgery, a possibility lies in the use of telemonitoring. This can be achieved by introducing telemonitoring in the aftercare of patients who underwent cardiac surgery. Through telemonitoring it can be recorded if quality of life improves and if complications are detected early. Up to now, no study has been done in the support of patients after cardiac surgery.

This study researches the following effects of telemonitoring with patients after cardiac surgery four weeks after discharge:

1. Quality of life (SF-36);

2. The number of readmissions within four weeks;

3. The number of relevant complication.

The study method is a randomized intervention study. It concerns open randomization with a parallel design. The study is a pilot study which will take approximately 2 to 3 months.

Patients in the intervention group receive aftercare by means of telemonitoring. The control group receives the normal aftercare.

The study is coordinated by Thoraxcentrum Twente, a division of Medisch Spectrum Twente.

The population consists of patients who are admitted for cardiac surgery on the A2 and D2 ward. All patients who will undergo a CABG, valve surgery or a combination of both are qualified to participate in the study.

Patients in the intervention group receive aftercare by means of telemonitoring. The control group receives the normal aftercare.

For telemonitoring patients measure their blood pressure and weight daily and make an ECG weekly.

Current aftercare consists of the advice to the patient to contact the general practitioner or the ward. After one month patients are called by the nurse of the ward to be informed on their well-being.

Doel van het onderzoek

N/A

Onderzoeksopzet

1. Quality of life (SF-36) questionnaire. First time at baseline (hospital admission), second time four weeks after discharge;

2. Four weeks after discharge during a phone call patients are interviewed if there have been readmissions and/or complications. Results are recorded in a list.

Onderzoeksproduct en/of interventie

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Contactpersonen

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Deelname eisen

Belangrijkste voorwaarden om deel te mogen nemen (Inclusiecriteria)

1. All patients with CABG, valve surgery and a combination of CABG/valve surgery;

2. Age 55-85 year;

3. Capable to use the equipment.

Belangrijkste redenen om niet deel te kunnen nemen (Exclusiecriteria)

1. No comprehension of dutch language;

2. Bad mobility;

3. Patients outside the clinical pathway;

4. Patients transferred to other hospitals.

Onderzoeksopzet

Opzet

Type:	Interventie onderzoek
Onderzoeksmodel:	Parallel
Toewijzing:	Gerandomiseerd
Blindering:	Open / niet geblindeerd

Controle:	Geneesmiddel

Deelname

Nederland

Status:	Werving nog niet gestart
(Verwachte) startdatum:	01-02-2011
Aantal proefpersonen:	30
Type:	Verwachte startdatum

Ethische beoordeling

Positief advies

Datum:	29-12-2010
Soort:	Eerste indiening

Registraties

Opgevolgd door onderstaande (mogelijk meer actuele) registratie

Geen registraties gevonden.

Andere (mogelijk minder actuele) registraties in dit register

Geen registraties gevonden.

In overige registers

Register	ID
NTR-new	NL2553
NTR-old	NTR2671
Ander register	METC Enschede : P10-46
ISRCTN	ISRCTN wordt niet meer aangevraagd.

Resultaten

Samenvatting resultaten
N/A