Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The effect of designed clinical pathway map on clinical care outcomes in patient with acute coronary syndrome

Protocol summary

Summary

Objectives: The purpose of this study was determination of the effect of designed clinical pathway map on clinical care outcomes in patients with acute coronary syndrome. Method (Design): This study is randomized trial with test and control group with pretest and posttest design. 30 patients with acute coronary syndrome disease randomized to test and control groups after admission to CCU. In two groups at first in hospitalization time and after stabilization of patient condition anxiety and depression are measured. Then, in test group the clinical pathway map presented to patients while in control group the patients cared by routing method. In discharge time variable such as anxiety, depression, satisfaction and hospitalization periods measured again. Participant: Samples of research are patients over 30 years old, consciousness and literate that had acute coronary syndromes and can understand the clinical pathway. Also, the illiterate patients or those with threatening life condition exclude from study. Intervention: Using clinical pathway map for test group and routine care method for control group. Main outcomes measures: Patient's anxiety, depression, satisfaction and hospitalization duration in CCU.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201202235134N5**
Registration date: **2012-03-17, 1390/12/27**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2012-03-17, 1390/12/27

Registrant information

Name
Ali Fakhr-Movahedi
Name of organization / entity
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Iran (Islamic Republic of)
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Alimovi49@semums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Semnan University of Medical Sciences

Expected recruitment start date

2012-02-29, 1390/12/10

Expected recruitment end date

2012-08-31, 1391/06/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of designed clinical pathway map on clinical care outcomes in patient with acute coronary syndrome

Public title

Effect of clinical pathway on clinical care outcomes in acute coronary syndrome

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Speech to Persian language in sample research; consciousness; patients over 30 years old, consciousness and literate that had acute coronary syndromes and can understand the clinical pathway.

Exclusion criteria: Unwillingness or canceling from sample research; life threatening condition; death of sample research; illiteracy patients or patient cannot percepts the clinical pathway; patients with problematic MI (pulmonary edema, hemodynamic alteration, life threatening arrhythmia and cardiogenic shock)

Age
From **30 years** old to **75 years** old

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **30**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethical board of Semnan University of Medical Sciences

Street address
Department of Research and Technology, Dept Headquarters, Basij Blvd

City
Semnan

Postal code

Approval date
2012-02-12, 1390/11/23

Ethics committee reference number
90/144313

Health conditions studied

1

Description of health condition studied
Unstable angina, Acute myocardial infarction

ICD-10 code
I20.0 ، I2

ICD-10 code description
Unstable angina, Acute myocardial infarction

Primary outcomes

1

Description
anxiety

Timepoint
pretest and posttest

Method of measurement
hospital anxiety and depression scale

2

Description
depression

Timepoint
pretest and posttest

Method of measurement
hospital anxiety and depression scale

3

Description
patient satisfaction

Timepoint
posttest

Method of measurement
patient satisfaction instrument

4

Description
hospitalization period in cadiac critical care unit

Timepoint
posttest

Method of measurement
counting the days in CCU

Secondary outcomes

empty

Intervention groups

1

Description
in test group: Presentation of clinical pathway map

Category
Other

2

Description
in control group: routine caring method

Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Semnan Fatemieh hospital
Full name of responsible person
Dr. Nobakht
Street address
17 Shahrivar Blvd.
City
Semnan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Semnan University of Medical Sciences
Full name of responsible person
Dr. Raheb Ghorbani
Street address
Departement of Research and Techonology of Semnan Universiy of Medical Sciences, Basij Bvld.
City
Semnan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice chancellor for research, Semnan University of Medical Sciences
Proportion provided by this source
100
Public or private sector
empty
Domestic or foreign origin
empty
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
empty

Person responsible for general inquiries

Contact
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Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty

Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty