

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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

Country

Iran (Islamic Republic of)

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+98 23 3365 4192

Email address

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 perceps 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 cardiac 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 Univerisy of Medical Sciences, Basij Blvd.

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

Name of organization / entity

Semnan University of Medical Sciences

Full name of responsible person

Ali Fakhr-Movahedi

Position

Nursing PhD / Assistant professor and faculty member

Other areas of specialty/work

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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