

# 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)

##### Phone

+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**

**Street address**

Semnan University of Medical Sciences, Nursing and Allied Health Faculty, 5 Kilometer, Damghan road.

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alimovi@yahoo.com

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#### Person responsible for scientific 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*