

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

The effect of follow up using short message service on illness perception and medication adherence in patients under coronary angioplasty: a one blind randomized control trial

Protocol summary

Summary

This study is a randomized clinical trial with a two-armed parallel design with the aim to survey the impact of SMS-based follow-up on illness perception and medication adherence among the patients with acute coronary syndrome after percutaneous coronary angioplasty. First of all, after receiving the approval of Research Ethics Committee of Tabriz University of Medical Sciences, the researcher will go to specialized cardiology clinics of Tabriz University of Medical Sciences to access to the research units. The patients with acute coronary syndrome who have passed one month after angioplasty are to be selected according to the convenient method and their consensus to participate the study will be achieved. The sample size for the study will be 116 randomly selected patients and will be classified in two groups of Control and Experimental. The questionnaire considering the perception of the disease and the adherence to medication will be completed by the participants in two groups. Then, using the short message system, the follow-up SMSs including 160 character, will be sent to every individual patient in each intervention group for a period of 3 months at the specified intervals (five times a week at 10 o'clock in the morning except Thursdays and Fridays). The patients in Control group will receive a routine follow-up. At the end of intervention, the perception of the disease and the adherence to medication will be compared in two groups using the BIPQ (Brief Illness Perception Questionnaire) and MMAS (Morisky Medication Adherence Scale) respectively.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016011025937N1**

Registration date: **2016-02-20, 1394/12/01**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2016-02-20, 1394/12/01

Registrant information

Name

Aefeh Allahbakhshian

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 41 3479 6770

Email address

allahbakhshiana@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2016-04-03, 1395/01/15

Expected recruitment end date

2016-05-04, 1395/02/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of follow up using short message service on illness perception and medication adherence in patients

under coronary angioplasty: a one blind randomized control trial

Public title
The effect of follow up using short message service on illness perception and medication adherence in patients under coronary angioplasty

Purpose
Supportive

Inclusion/Exclusion criteria
Inclusion criteria: Patients in range of 18 to 65 years old with diagnosis of acute coronary syndrome referred to Cardiac Clinic of Tabriz University of Medical Sciences; Patients who have gone under angioplasty for at least one month before the study; With the ability to read SMSs; Samples are selected by own tendency; Have a mobile phone and have the ability to use it; Not participating in a similar study like the current one; Exclusion criteria: Not willing to participate in the study; Not having a mobile phone; Referrals to other treatment centers during the study; Not able to read the SMSs; not being accessible after 12 weeks (eg. travelling aboard); Having cognitive impairment, based on patients records

Age
From **18 years** old to **65 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **116**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences, Golgasht ave.,
Tabriz, Iran

City

Tabriz

Postal code

5165665931

Approval date

2016-01-06, 1394/10/16

Ethics committee reference number

TBZMED.REC.1394.869

Health conditions studied

1

Description of health condition studied

Ischemic Heart Disease

ICD-10 code

I25.8

ICD-10 code description

Other forms of chronic ischaemic heart disease

Primary outcomes

1

Description

Illness perception

Timepoint

Before the beginning of intervention and soon as the end of intervention at the end of the third month

Method of measurement

Brief illness perception questionnaire

2

Description

Medication adherence

Timepoint

Before the beginning of intervention and soon as the end of intervention at the end of the third month

Method of measurement

Morisky medication adherence questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Sending follow-up SMSs for the patients after angioplasty, containing educational subjects, reminders regarding refer time and drug use (five times a week at 10 o'clock in the morning except Thursdays and Fridays) for 3 months to the intervention group.

Category

Other

2

Description

routine follow up for control group

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Tabriz University of Medical Sciences

Full name of responsible person

Atefeh Allahbakhshian

Street address

South Shariaty ave., Faculty of Nursing and Midwifery

City

Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for Research (VCR) of Tabriz
University of Medical Sciences

Full name of responsible person

Dr Mohammadreza Rashidi

Street address

No 2 Central Building, Tabriz University of Medical
Sciences, University Street

City

Tabriz

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 (VCR) of Tabriz 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

Tabriz University of Medical Sciences

Full name of responsible person

Dr Atefeh Allahbakhshian

Position

PhD of nursing education

Other areas of specialty/work

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Person responsible for updating data

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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