Clinical Trial Protocol
Iranian Registry of Clinical Trials

20 Nov 2026

The impact of pharmaceutical box on medication adherence in patients treated with warfarin

Protocol summary

Summary

The aim of this study was to determine the impact of pharmaceutical boxes on medication adherence in patients treated with warfarin. Inclusion criteria included: cardiovascular disease approved by the doctor, taking warfarin, ability to use of drugs, having aged between 40 and 60 years. Exclusion criteria included Failure to provide complete information and incomplete questionnaires. This study is a clinical trial. 70 patients taking warfarin were randomly divided into two groups. The intervention group was given a medication reminder box for 30 day. Then follow the drug warfarin levels and medication adherence.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016010914229N4**
Registration date: **2016-02-03, 1394/11/14**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-02-03, 1394/11/14

Registrant information

Name

Hadi Jafari manesh

Name of organization / entity

Arak University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 86 3417 3503

Email address

jafarimanesh@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Arak University of Medical Sciences

Expected recruitment start date

2015-03-21, 1394/01/01

Expected recruitment end date

2016-03-20, 1395/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The impact of pharmaceutical box on medication adherence in patients treated with warfarin

Public title

The impact of pharmaceutical box on medication adherence in patients treated with warfarin

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria included: cardiovascular disease approved by the doctor; taking warfarin; ability to use of drugs; having aged between 40 and 60 years. Exclusion criteria included: Failure to provide complete information; incomplete questionnaires: unwillingness to provide blood samples for testing; and any physical or mental disability.

Age

From **40 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size
Target sample size: **70**
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
Ethics Committee of Arak University of Medical Sciences
Street address
Basij Sq. Arak
City
Arak
Postal code
3819693345
Approval date
2015-05-06, 1394/02/16
Ethics committee reference number
IR.ARAKMU.REC.1394.26

Health conditions studied

1

Description of health condition studied
drug adherence
ICD-10 code
Z72.2
ICD-10 code description
Drug use

Primary outcomes

1

Description
Drug adherence
Timepoint
Before and after 30 days
Method of measurement
Medication Adherence Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Group 1 (intervention) using medication reminder box to warfarin for 30 days
Category
Prevention

2

Description
Group 2 (control): In this group, do not interfere.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Amiralmomenin Hospital
Full name of responsible person
Hadi Jafari Manesh
Street address
Sardasht Sq. Arak
City
Arak

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Arak University of Medical Sciences
Full name of responsible person
Davood Hekmatpou
Street address
Basij Sq. Arak
City
Arak
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Arak 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
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Web page address

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