

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

15 Jul 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**

Arak University of Medical Sciences

**Full name of responsible person**

Hadi Jafari Manesh

**Position**

Master of Nursing

**Other areas of specialty/work****Street address**

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## Person responsible for updating data

### Contact

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## Person responsible for scientific inquiries

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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*