

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The effect of low-dose apixaban in the treatment of symptomatic cases of radial artery occlusion following radial artery angiography.

Protocol summary

Study aim

Determining the effect of low-dose apixaban in the treatment of symptomatic cases of radial artery occlusion

Design

In this study, the number of 30 patients (15 in the study group and 15 in the control group) among the people who experienced symptoms such as pain, swelling, and numbness, were evaluated using Doppler waves with a prop Vasculature has been examined and the people who have been confirmed to have radial artery occlusion and who meet the necessary criteria based on the project manager's review to be included in the study, after obtaining informed and written consent, will be included in the study. The control group did not receive treatment. Patients were randomly divided into two groups.

Settings and conduct

This study is a pilot RCT and was conducted in Shahid Chamran Heart Center Hospital, Isfahan, Iran in 1401-1402.

Participants/Inclusion and exclusion criteria

The inclusion criteria are people who have undergone radial artery angiography and then have symptoms related to radial artery occlusion (such as pain and palpable radial pulse). The need for a therapeutic dose of anticoagulants, the use of other anticoagulants, severe symptoms of vascular occlusion that requires rapid intervention to restore the arterial channel, contraindications to the use of apixaban that include severe drug sensitivity, active clinical and pathological bleeding such as gastrointestinal and cerebral, hemostasis disorder and advanced renal failure were considered as exclusion criteria

Intervention groups

The patients in the study group were treated with apixaban (2.5 mg every 12 hours, orally, made by a factory) for 30 days, and after the end of the treatment period, the recovery of the artery was checked again

with Doppler waves. to give For people during the study, after the second week, their medication intake will be followed up by phone call.

Main outcome variables

Radial artery occlusion

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20221013056161N1**

Registration date: **2023-05-30, 1402/03/09**

Registration timing: **registered_while_recruiting**

Last update: **2023-05-30, 1402/03/09**

Update count: **0**

Registration date

2023-05-30, 1402/03/09

Registrant information

Name

Amir Seifipour

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 3629 1716

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amirmed1393@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-05-22, 1402/03/01

Expected recruitment end date

2023-07-23, 1402/05/01

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of low-dose apixaban in the treatment of symptomatic cases of radial artery occlusion following radial artery angiography.

Public title
The effect of low-dose apixaban in the treatment of symptomatic cases of radial artery occlusion following radial artery angiography.

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
 People who have undergone radial artery angiography
 Symptoms related to radial artery occlusion (such as pain and palpable radial pulse) Confirmed by Doppler imaging
Exclusion criteria:
 Lack of patient satisfaction The need for a therapeutic dose of anticoagulants The use of other anticoagulants
 Severe symptoms of vascular occlusion that require rapid intervention to restore the arterial channel
 Contraindications for apixaban use include severe drug sensitivity Active clinical and pathological bleeding such as gastrointestinal and cerebral hemostasis disorder and advanced renal failure

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **30**

Randomization (investigator's opinion)
Randomized

Randomization description
In this study, the number of 30 patients (15 in the study group and 15 in the control group) among the people who experienced symptoms such as pain, swelling, and numbness following an angiography through the radial artery, were evaluated using Doppler waves with a prop Vasculature has been examined and the people who have been confirmed to have radial artery occlusion and who meet the necessary criteria based on the project manager's review to be included in the study, after obtaining informed and written consent, will be included in the study.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment

Other

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee
Name of ethics committee
 Ethical Committee of Isfahan University of Medical Sciences
Street address
 Third Mushtaq St. - Salman Farsi St
City
 esfahan
Province
 Isfahan
Postal code
 8158388997
Approval date
 2022-07-31, 1401/05/09
Ethics committee reference number
 IR.MUI.MED.REC.1401.338

Health conditions studied

1

Description of health condition studied
Radial artery occlusion following angiography

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
Radial artery occlusion

Timepoint
Before the intervention and 28 days after the intervention

Method of measurement
The inclusion criteria are people who have undergone radial artery angiography and then have symptoms related to radial artery occlusion (such as pain and palpable radial pulse), which can be confirmed by Doppler imaging. All ultrasounds are performed by a radiologist.

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: The patients in the study group were treated with apixaban (2.5 mg every 12 hours, orally, manufactured by Abidi Co.) for 28 days, and after the end of the treatment period, the recovery of the artery was again examined with Doppler waves. we put. For people during the study, after the second week, their medication intake will be followed up by phone call

Category

Treatment - Drugs

2

Description

Control group: It included patients with radial artery occlusion after angiography who were selected as the control group and did not receive any anticoagulant treatment.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Chamran Hospital

Full name of responsible person

Dr. Afshin Amirpour

Street address

Third Mushtaq St. Salman Farsi St

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Dr. Gholamreza Asgary

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

No

Title of funding source

Isfahan Medical School

Proportion provided by this source

10

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Dr. Afshin Amirpour

Position

Academic staff

Latest degree

Subspecialist

Other areas of specialty/work

Cardiology

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Position

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Latest degree

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Person responsible for updating data

Contact
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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Data can potentially be shared after de-identifying individuals

When the data will become available and for how long

"Starting the access period 6 months after printing the results".

To whom data/document is available

It will be available only to researchers working in academic and scientific institutions

Under which criteria data/document could be used

Allowed for the entire documentation

From where data/document is obtainable

Email address

What processes are involved for a request to access data/document

After confirmation by the researcher after one month

Comments