Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Investigating the Effect of Ivabradine Drug on Controlling the Ventricular Response in Atrial Fibrillation

Protocol summary

Study aim
Investigating the effect of ivabradine on controlling the ventricular response of atrial fibrillation

Design
In this study, G*Power software is used to calculate the sample size. The variable investigated in this study is a quantitative variable and the measurements will be done before the start of the treatment and one month after the start of the treatment. 30 patients will be examined. In this research, there is no need for randomization and blinding.

Settings and conduct
The present study will be conducted on patients with stable and permanent AF referred to Imam Khomeini Educational-treatment Hospital, Ahvaz.

Participants/Inclusion and exclusion criteria
- In order to enter this study, patients must have a resting heart rate of more than 100 beats per minute, while confirming that they are suffering from permanent or persistent AF in the initial examinations, and the previous medications have no effect on improving their conditions. -Patients with conditions: lack of consent to start or continue treatment, people under 18 years of age, pregnant women, women who breastfeed their children, patients with acute liver and kidney failure, unstable vital signs, Patients with uncontrolled blood pressure and patients who show acute side effects during treatment will be excluded from the study.

Intervention groups
In this research, an attempt will be made to investigate the effect of one month's use of ivabradine at a dose of 5 mg twice a day in controlling the ventricular response of patients with permanent and persistent AF.

Main outcome variables
Heart beat; Ventricular response

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20240207060933N1**
Registration date: **2024-02-14, 1402/11/25**
Registration timing: **prospective**

Last update: **2024-02-14, 1402/11/25**
Update count: **0**

Registration date
2024-02-14, 1402/11/25

Registrant information

Name
Yasaman Asadi

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 61 3311 0000

Email address
yasaman199271@yahoo.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2024-03-20, 1403/01/01

Expected recruitment end date
2025-03-19, 1403/12/29

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Investigating the Effect of Ivabradine Drug on Controlling the Ventricular Response in Atrial Fibrillation

Public title
Investigating the Effect of Ivabradine Drug on Controlling the Ventricular Response in Atrial Fibrillation
Purpose
Treatment
Inclusion/Exclusion criteria
Inclusion criteria:
Patients with permanent or persistent AF Heart rate greater than 100 beats per minute at rest.
Exclusion criteria:
Age less than 18 years Pregnant women Women who breastfeed their children Patients with acute liver and kidney failure Lack of consent to start or continue the treatment process Patients with uncontrolled blood pressure
Age
From **18 years** old to **90 years** old
Gender
Both

Phase
2
Groups that have been masked
No information
Sample size
Target sample size: **30**
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Single
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Jundi Shapur Ahvaz University of Medical Sciences
Street address
Golestan blv
City
Ahvaz
Province
Khouzestan
Postal code
6135715794
Approval date
2024-02-07, 1402/11/18
Ethics committee reference number
IR.AJUMS.REC.1402.626

Health conditions studied

1

Description of health condition studied
Atrial fibrillation
ICD-10 code
I48
ICD-10 code description
Atrial fibrillation and flutter

Primary outcomes

1

Description
Ventricular Response
Timepoint
one month
Method of measurement
ECG Holter

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: One month's use of ivabradine at a dose of 5 mg twice a day
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam khomeini hospital
Full name of responsible person
Babak Payami
Street address
Azadegan street
City
Ahvaz
Province
Khouzestan
Postal code
6193673166
Phone
+98 61 2222 1144
Email
hemam@ajums.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Mehrnoush Zaker kish
Street address
Golestan blv
City
Ahvaz
Province
Khouzestan
Postal code
6135715794
Phone
+98 61 3373 8383
Email
itc@ajums.ac.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ahvaz University of Medical Sciences
Proportion provided by this source
100
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
Ahvaz University of Medical Sciences
Full name of responsible person
Babak Payami
Position
assistant professor
Latest degree
Subspecialist
Other areas of specialty/work
Cardiology
Street address
Golestan blv
City
Ahvaz
Province
Khouzestan
Postal code
6135715794
Phone
+98 61 3222 6721
Email
Payami-b@ajums.ac.ir

Person responsible for scientific inquiries

Contact
Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Babak Payami
Position
assistant professor
Latest degree
Subspecialist
Other areas of specialty/work
Cardiology
Street address
Golestan blv
City
Ahvaz
Province
Khouzestan
Postal code
6135715794
Phone
+98 61 3222 6721
Email
Payami-b@ajums.ac.ir

Person responsible for updating data

Contact
Name of organization / entity
Ahvaz University of Medical Sciences
Full name of responsible person
Yasaman Asadi
Position
Resident
Latest degree
Medical doctor
Other areas of specialty/work
Cardiology
Street address
Golestan Blv, Zip Code: 61357- 15794
City
Ahvaz
Province
Khouzestan
Postal code
6135715794
Phone
+98 61 3311 0000
Fax
Email
Yasaman199271@yahoo.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available
Study Protocol
Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable