

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 2026

arrhythmia Induction using isoproterenol or dobutamine during electrophysiology study for supra-ventricular arrhythmia

Protocol summary

Study aim

Determining the recurrence rate of supraventricular arrhythmias after taking dobutamine compared to isoproterenol

Design

کارآزمایی بالینی در دوگروه مداخله ای بدون تصادفی سازی و کور سازی روی 400 بیماران در فاز 3

Settings and conduct

Heart Department of Saadi's Hospital

Participants/Inclusion and exclusion criteria

All patients underwent ablation

Intervention groups

Dobutamine and isoproterenol

Main outcome variables

Re-ablation

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Email address

jamalileila1989@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-12-22, 1402/10/01

Expected recruitment end date

2024-06-21, 1403/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230918059453N1**

Registration date: **2023-10-16, 1402/07/24**

Registration timing: **prospective**

Last update: **2023-10-16, 1402/07/24**

Update count: **0**

Registration date

2023-10-16, 1402/07/24

Registrant information

Name

Leila Jamali

Name of organization / entity

Shoshtari Hospital

Country

Iran (Islamic Republic of)

Phone

Scientific title

arrhythmia Induction using isoproterenol or dobutamine during electrophysiology study for supra-ventricular arrhythmia

Public title

Induction of supra-ventricular arrhythmias dobutamine vs isoprotrenole

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

All patients underwent ablation

Exclusion criteria:

All patients are included in the study and there are no conditions for non-entry.

Age

From **18 years** old to **90 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 500

Randomization (investigator's opinion)

Not 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 Shiraz University of Medical Sciences

Street address

Zand Blvd ,Shiraz University of Medical Sciences

City

Shiraz

Province

Fars

Postal code

71348-14336

Approval date

2023-05-21, 1402/02/31

Ethics committee reference number

IR.SUMS.REC.1402.100

Health conditions studied

1

Description of health condition studied

Cardiac arrhythmia, unspecified

ICD-10 code

I49.9

ICD-10 code description

Cardiac arrhythmia, unspecified

Primary outcomes

1

Description

Recurrence arrhythmia

Timepoint

1, 3, and 6 months after the intervention

Method of measurement

Based on recurrence of arrhythmia and need to anti

arrhythmic drug or ablation

Secondary outcomes

1

Description

recurrence of chest pain and arrhythmia

Timepoint

1,3,6 month

Method of measurement

underwent ECG by cardiologist

Intervention groups

1

Description

Intervention group 1: Dobutamine - by injection once at the beginning of the study. At the beginning of the study, 15 micrograms of dobutamine drug were injected to the people in this group.

Category

Treatment - Drugs

2

Description

Intervention group 2: Isoproterenol - by injection once at the beginning of the study. At the beginning of the study, 15 micrograms of isoproterenol was injected into the people in this group.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Saadi's Hospital

Full name of responsible person

Mohammad Hossein Niko

Street address

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City

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7134814336

Phone

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Email

jamalileila1989@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Hashem Hashempour

Street address

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Shiraz 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**

Shiraz University of Medical Sciences

Full name of responsible person

Leila Jamali

Position

Non-faculty specialist doctor

Latest degree

Specialist

Other areas of specialty/work

Gynecology and Obstetrics

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact**Name of organization / entity**

Shiraz University of Medical Sciences

Full name of responsible person

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Position

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Specialist

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

Yes - There is 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	One year after the publication of the article
Clinical Study Report	To whom data/document is available
Yes - There is a plan to make this available	Research Vice President of Shiraz University of Medical Sciences
Analytic Code	Under which criteria data/document could be used
Not applicable	In order to reanalyze
Data Dictionary	From where data/document is obtainable
Not applicable	Leila Jamali
Title and more details about the data/document	What processes are involved for a request to access data/document
The data can be published if you have the permission of the vice president of research	Having permission from the research assistant
When the data will become available and for how long	Comments