

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparison between an Iranian Traditional Medicine pharmaceutical product and fatty substance on reduction of liver and gallbladder disturbing shadow in myocardial perfusion imaging with Tc-MIBI

Protocol summary

Summary

The aim of this study is to evaluate the effectiveness of a novel pharmaceutical product of Iranian Traditional Medicine (syrup is made on the basis of sour cherry juice) on reducing the intrusive activity of the liver and gallbladder, in comparison with fatty food (which is the most frequently used material in myocardial imaging). In this randomized clinical trial, patients between 18 to 70 years coming for myocardial imaging enter the study, excluding patients with liver problems. The sample size is 60 patients who are categorized into 2 groups. In the control group, patients use 100 gr of fatty food while in the intervention group, patients use 200cc of traditional syrup, 10 minutes after radiopharmaceutical injection. Then, imaging is performed through radiopharmaceutical radiation 30, 60 and 90 minutes following the injection. After analyzing the images, determination of heart to liver and gallbladder counts ratio, comparison of the average value in each group, and the effectiveness of materials in comparison with each other are determined. The quality of the images can be improved via increasing the average value.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016071215860N4**
Registration date: **2016-10-27, 1395/08/06**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-10-27, 1395/08/06

Registrant information

Name

Ghazaleh Heydarirad

Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research of Traditional Medicine
Faculty of Tehran University of Medical Sciences

Expected recruitment start date

2015-08-23, 1394/06/01

Expected recruitment end date

2016-08-22, 1395/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison between an Iranian Traditional Medicine pharmaceutical product and fatty substance on reduction of liver and gallbladder disturbing shadow in myocardial perfusion imaging with Tc-MIBI

Public title

Comparison between an Iranian Traditional Medicine pharmaceutical product and fatty substance on reduction of liver and gallbladder disturbing shadow in myocardial perfusion imaging

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: Patients who refer by cardiologists to Nuclear medicine center of Imam Khomeini hospital for performing perfusion scan; patients between 18 to 70 years; Hyperlipidemic patients; Unwillingness to use fat; Feeling of nausea when patients eat fat
Exclusion criteria: Patients who suffer from certain diseases such as heart disease or liver and bile ducts disorders; Pregnancy; Known active infection; An identified blood laboratory abnormalities at baseline; Peptic ulcer or biliary obstruction or gallstones

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **60**

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

Tehran University of Medical Science

Street address

keshavarz boulevard, Tehran University of Medical Science

City

Tehran

Postal code

Approval date

2012-06-26, 1391/04/06

Ethics committee reference number

9002611376558211

Health conditions studied

1

Description of health condition studied

Ischaemic heart diseases

ICD-10 code

I25.1

ICD-10 code description

Atherosclerotic heart disease

Primary outcomes

1

Description

Amount of clearing the intrusive activity of the liver

Timepoint

30 and 60 and 90 minutes after administering radioactive substance

Method of measurement

Measuring Heart/Liver ratio by observation and ratio determination of numeration of the heart to the liver

2

Description

Amount of clearing the intrusive activity of the gallbladder

Timepoint

30 and 60 and 90 minutes after administering radioactive substance

Method of measurement

Measuring Heart/gallbladder ratio

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Drinking 200 cc of a pharmaceutical product (syrup) of Iranian traditional medicine, 10 min after radiopharmaceutical administration. .

Category

Diagnosis

2

Description

Control group: using 100 gr of fatty food , 10 min after radiopharmaceutical administration.

Category

Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center

Nuclear medicine department, Imam Khomeini hospital

Full name of responsible person

Dr. Saeed Farzanehfar

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Science

Full name of responsible person

Dr.Hossein Rezaeizade

Street address

Faculty of Traditional Medicine, west Jamali, Vafamanesh st., Heravi sq., Tehran, Iran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tehran University of Medical Science

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

Department of Traditional Medicine, School of Traditional Medicine Shahid Beheshti University of Med

Full name of responsible person

Ghazaleh Heydarirad

Position

MD, PhD of traditional medicine

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Nuclear medicine, Tehran university of medical sciences

Full name of responsible person

Saeed Farzanehfar

Position

Assistant professor, Nuclear Medicine Specialist

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Person responsible for updating data

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Full name of responsible person

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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