

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effects of vitamin D compounds in 3 months on heart failure patients

Protocol summary

Summary

Effects of vitamin D compounds in 3 months on improving the ejection fraction of patients with heart failure Non-randomized, non-blinded building, without a placebo-controlled, single-center, phase one trial Inclusion criteria: Risk of heart failure (ejection fraction below 40%), infection serum vitamin D deficiency (serum levels of vitamin D below 20 ng/ml) Exclusion criteria: Ejection fraction most of 40%; a lack of desire to cooperate; a recent intake of vitamin D, normal or high serum levels of vitamin D The sample size n = 50 Elevation of serum vitamin D levels above 40 ng/ml in 3 months The primary outcome: An increase in left ventricular emptying fraction

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014101619258N1**
Registration date: **2016-02-27, 1394/12/08**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-02-27, 1394/12/08

Registrant information

Name

akbar abdoli

Name of organization / entity

ardabil university od medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 45 3373 3052

Email address

a.abdoli@arums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ardabil University of Medical Sciences

Expected recruitment start date

2015-08-11, 1394/05/20

Expected recruitment end date

2015-09-11, 1394/06/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of vitamin D compounds in 3 months on heart failure patients

Public title

Effect of vitamin D on heart failure

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Risk of heart failure (ejection fraction below 40%), infection serum vitamin D deficiency (serum levels of vitamin D below 20 ng/ml) Exclusion criteria: Death of patient, a lack of regular drug Consumption

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **50**

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**

Ardebil university of Medical Sciences

Street address

Ardebil University of medical sciences, University St.

City

Ardebil

Postal code**Approval date**

2015-08-08, 1394/05/17

Ethics committee reference number

ir.arums.rec.1394.18

Health conditions studied**1****Description of health condition studied**

Heart failure

ICD-10 code

150

ICD-10 code description

Left ventricular failure

Primary outcomes**1****Description**

left ventricle ejection fraction

Timepoint

before the intervention, 3 months after intervention

Method of measurement

echocardiography

Secondary outcomes**1****Description**

serum levels of vitamin D

Timepoint

before the intervention, 3 months after intervention

Method of measurement

ng/ml by laboratory evaluation

Intervention groups**1****Description**

Vitamin D supplements, taking oral tablet form to 50000 units weekly for three months

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Ardebil imam Khomeini hospital

Full name of responsible person**Street address****City**

Ardebil

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Ardebil university of Medical Sciences

Full name of responsible person

Dr Habibzadeh

Street address

Ardebil university street

City

Ardebil

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

Yes

Title of funding source

Ardebil 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**

Ardebil imam Khomeini hospital

Full name of responsible person

Dr Adalat Hosseinian

Position

cardiologist

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

Ardebil emam Khomeini hospital

City

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Postal code**Phone**

+98 914 151 8972

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a.hosseinian@arums.ac.ir

Web page address**City**

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Postal code**Phone**

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Fax**Email**

a.hosseinian@arums.ac.ir

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Ardebil university of Medical Sciences

Full name of responsible person

Dr Adalat Hosseinian

Position

Assistant Professor

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

Emam Khomeini hospital

Person responsible for updating data**Contact****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