# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

17 Sep 2026

## Investigation the effect of oral vitamin D compared to placebo in the treatment of brochiectasis

## Protocol summary

**Summary**

This is a double-blind, placebo-controlled clinical trial aimed to investigate the effect of oral vitamin D compared to placebo on symptoms resolution and reduction in severity and disease attacks in patients with bronchiectasis, in 28 patients with bronchiectasis referring pulmonology clinic of Ali Ebne Abi Taleb hospital in Zahedan. Inclusion criteria are age of more than 21 years and having bronchiectasis and vitamin D deficiency and exclusion criteria are having cardiac or renal diseases, diabetes, other pulmonary diseases and uncontrolled hypertension. After inclusion in the study, the patients will be randomly divided into two equal groups, vitamin D receivers and placebo group. Vitamin D receivers will receive 50000 I/U of this drug once a week for 2 months and the placebo group will also receive 300 mg of starch once a day for 2 months. Patients in both groups will be followed for 2 months and at the end of the second month, the number and severity of the attacks will be compared together.

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2017022532771N1**
Registration date: **2017-03-08, 1395/12/18**
Registration timing: **prospective**

Last update:
Update count: **0**

**Registration date**

2017-03-08, 1395/12/18

**Registrant information**

**Name**

Mohammad Bagher Maleki

**Name of organization / entity**

Zahedan University of Medical Sciences

**Country**

Iran (Islamic Republic of)

**Phone**

+98 54 3329 5715

**Email address**

m.maleki@zaums.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

Zahedan University of Medical Sciences

**Expected recruitment start date**

2017-03-21, 1396/01/01

**Expected recruitment end date**

2017-06-22, 1396/04/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Investigation the effect of oral vitamin D compared to placebo in the treatment of brochiectasis

**Public title**

The effect of vitamin D in bronchiectasis

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criteria: age of more than 21 years; having bronchiectasis; having vitamin D deficiency. Exclusion criteria: having cardiac or renal diseases; diabetes; other pulmonary diseases; uncontrolled hypertension.

**Age**

From **21 years** old to **139 years** old

**Gender**

Both

**Phase**
2-3
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **28**
**Randomization (investigator's opinion)**
Randomized
**Randomization description**
**Blinding (investigator's opinion)**
Double blinded
**Blinding description**
**Placebo**
Used
**Assignment**
Parallel
**Other design features**

## Secondary Ids

empty

## Ethics committees

### 1

**Ethics committee**
**Name of ethics committee**
Ethics committee of Zahedan University of Medical Sciences
**Street address**
Zahedan University of Medical Sciences and Health Services campus, Khalije Fars Blv, Doctor Hesabi Sq, Zahedan
**City**
Zahedan
**Postal code**
**Approval date**
2017-01-26, 1395/11/07
**Ethics committee reference number**
IR.ZAUMS.REC.1395. 255

## Health conditions studied

### 1

**Description of health condition studied**
Bronchiectasis
**ICD-10 code**
J47
**ICD-10 code description**
Bronchiectasis

## Primary outcomes

### 1

**Description**
Number of attacks
**Timepoint**
At the end of second month
**Method of measurement**
By asking the patient

## Secondary outcomes

empty

## Intervention groups

### 1

**Description**
Vitamin D group: 50000 I/U oral vtamin D once a week for 2 months
**Category**
Treatment - Drugs

### 2

**Description**
Placebo group: 300 mg of starch once a day for 2 months.
**Category**
Placebo

## Recruitment centers

### 1

**Recruitment center**
**Name of recruitment center**
Ali Ebne Abi Taleb Hospital
**Full name of responsible person**
Mohammad Bagher Maleki
**Street address**
Khalije Fars Blv, Zahedan
**City**
Zahedan

## Sponsors / Funding sources

### 1

**Sponsor**
**Name of organization / entity**
Vice chancellor for research, Zahedan University of Medical Sciences
**Full name of responsible person**
Hoshang Rafighdoost
**Street address**
Vice chancellor for research, Zahedan University of Medical Sciences campus, Jannat Blv, Zahedan
**City**
Zahedan
**Grant name**
**Grant code / Reference number**
**Is the source of funding the same sponsor organization/entity?**
Yes
**Title of funding source**
Vice chancellor for research, Zahedan 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**

Zahedan University of Medical Sciences

**Full name of responsible person**

Mohammad Bagher Maleki

**Position**

Internal medicine resident

**Other areas of specialty/work**

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Zahedan University of Medical Sciences and Health Services campus, Khalije Fars Blv, Doctor Hesabi Sq, Zahedan

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## Person responsible for scientific inquiries

**Contact**

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Zahedan University of Medical Sciences

**Full name of responsible person**

Mosayyeb Shahriyar

**Position**

Associate Professor

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## Person responsible for updating data

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Zahedan University of Medical Sciences

**Full name of responsible person**

Mohammad Bagher Maleki

**Position**

Internal medicine resident

**Other areas of specialty/work**

**Street address**

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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*