

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

01 Jun 2026

### The study of the clinical effectiveness of doxycycline capsule with zinc sulfate on the treatment of patients with acne vulgaris

#### Protocol summary

##### Summary

The objective of this randomized double blind single centre clinical trial is to compare the effects of Doxycycline and Zinc sulfate in the treatment of acne. A total of 80 patients with acne who come to Sina hospital will be assigned into the following groups. The first group will receive doxycycline capsule, 100 mg, or 30 mg elemental zinc once daily. The patients in both groups will receive topical clindamycin 1%. Primary outcome is inflammatory and non inflammatory lesions and secondary outcome is total score of acne and disease treatment.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201105156493N1**  
Registration date: **2011-06-30, 1390/04/09**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2011-06-30, 1390/04/09

##### Registrant information

###### Name

Effat Khodaeiani

###### Name of organization / entity

Tabriz University of Medical Sciences

###### Country

Iran (Islamic Republic of)

###### Phone

+98 41 1334 3640

###### Email address

dr.khodaeiani@tbzmed.ac.ir

#### Recruitment status

##### Recruitment complete

##### Funding source

Tabriz University of Medical Sciences

##### Expected recruitment start date

2010-10-22, 1389/07/30

##### Expected recruitment end date

2011-10-22, 1390/07/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The study of the clinical effectiveness of doxycycline capsule with zinc sulfate on the treatment of patients with acne vulgaris

##### Public title

The effect of doxycycline and zinc sulfate in acne

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: age 18-40 years old - mild to moderate acne - acne since more than 2 months ago  
Exclusion criteria: severe and nodulocystic acne - pregnancy and breast feeding - other skin disease in face - use of systemic and topical steroids, lithium, B group vitamins, iodide or bromium, antibacterial soap and antiseptic solutions, oral and topical antibiotics and zinc and systemic and topical anti acne drugs in recent 1 month and isotretinoin in recent 2 months and antiacid drugs and calcium and iron based agents

##### Age

From **18 years** old to **40 years** old

##### Gender

Both

##### Phase

N/A

## Groups that have been masked

No information

## Sample size

Target sample size: 80

## Randomization (investigator's opinion)

Randomized

## Randomization description

## Blinding (investigator's opinion)

Double blinded

## Blinding description

## Placebo

Not used

## Assignment

Parallel

## Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Tabriz University of Medical Sciences

##### Street address

Tabriz University of Medical Sciences, Golgasht avenue, Tabriz.

##### City

Tabriz

##### Postal code

#### Approval date

2010-12-08, 1389/09/17

#### Ethics committee reference number

7333/4/5

## Health conditions studied

### 1

#### Description of health condition studied

acne vulgaris

#### ICD-10 code

L70

#### ICD-10 code description

Disease of skin appendages

## Primary outcomes

### 1

#### Description

Acne improvement

#### Timepoint

Before intervention, 4 Weeks later, 8 weeks later, 12 weeks later

#### Method of measurement

Counting of lesions (scoring)

## Secondary outcomes

### 1

#### Description

Decrease of inflammatory and non-inflammatory lesions

#### Timepoint

Before intervention, 4 weeks later, 8 weeks later, 12 weeks later

#### Method of measurement

Counting of lesions (scoring)

## Intervention groups

### 1

#### Description

Control group: Doxycycline, 100mg, daily, for 12 weeks

#### Category

Treatment - Drugs

### 2

#### Description

Intervention group: Zinc sulphate, 30mg, daily for 12 weeks

#### Category

Treatment - Drugs

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Sina Hospital

##### Full name of responsible person

##### Street address

##### City

Tabriz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Tabriz University of Medical Sciences

##### Full name of responsible person

Dr. Yaghubi

##### Street address

Faculty of Medicine, Tabriz University of Medical sciences, Golgasht avenue, tabriz.

##### City

Tabriz

#### Grant name

#### Grant code / Reference number

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

Yes

#### Title of funding source

Tabriz 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**  
Tabriz University of Medical Sciences  
**Full name of responsible person**  
Dr Effat Khodaeiani  
**Position**  
Dermatologist - Associate professor  
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## Person responsible for scientific inquiries

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## Person responsible for updating data

### Contact

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## 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*