

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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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