

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparing the therapeutic efficacy of oral azithromycin plus Narrow Band Ultraviolet B (NBUVB) with oral azithromycin alone in the treatment of moderate to severe inflammatory facial acne vulgaris

Protocol summary

Summary

To compare therapeutic efficacy of oral azithromycin plus Narrow Band Ultraviolet B (NBUVB) with oral azithromycin alone in the treatment of moderate to severe inflammatory facial acne vulgaris. Inclusion criteria: 15-35 Years old patient with moderate to severe inflammatory vulgaris. Exclusion criteria: 1-Pregnancy and breastfeeding; 2-History of topical and systemic anti acne treatment from 1 month ago; 3-Photosensitivity. 94 cases were randomly assigned to two groups: group 1, systemic azithromycin 500 mg every other day and group 2, systemic azithromycin 500 mg every other day plus NBUVB 1200 mj/sec two times weekly for one month. We compared the improvement rate of inflammatory acne lesions totally and differentially between two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201112288550N1**
Registration date: **2012-02-04, 1390/11/15**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-02-04, 1390/11/15

Registrant information

Name

Esmail Rafiee

Name of organization / entity

Ahvaz Jundishapur University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1222 0699

Email address

rafiee.e@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical Sciences

Expected recruitment start date

2010-03-20, 1388/12/29

Expected recruitment end date

2011-11-24, 1390/09/03

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the therapeutic efficacy of oral azithromycin plus Narrow Band Ultraviolet B (NBUVB) with oral azithromycin alone in the treatment of moderate to severe inflammatory facial acne vulgaris

Public title

Narrow Band Ultraviolet (NBUVB) effect on the treatment of inflammatory acne

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Male and female patient with moderate to severe inflammatory vulgaris. Exclusion criteria: 1- Pregnancy and breastfeeding; 2-History of topical and systemic anti acne treatment from 1 month ago; 3- Photosensitivity.

Age

From **15 years** old to **35 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **94**

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**

Ahvaz Jundishapur University of Medical Sciences

Street address

Ahvaz Jundishapur University of Medical Sciences

City

Ahvaz

Postal code

61335-4156

Approval date

2011-02-21, 1389/12/02

Ethics committee reference number

ETH054

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

Acne vulgaris

ICD-10 code

L70.0

ICD-10 code description

Acne vulgaris

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

inflammatory acne lesions (totally and differentially)

Timepoint

1 month

Method of measurement

lesion count

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

patient's satisfaction of treatment

Timepoint

1 month

Method of measurement

Patient idea

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

Group 2: systemic azithromycin 500 mg every other day and NBUVB 1200 mj/sec two timesd weekly for one month.

Category

Treatment - Devices

2**Description**

Group 1: systemic azithromycin 500 mg every other day.

Category

Treatment - Drugs

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

Emam khomeiny hospital

Full name of responsible person

Dr Esmail Rafiee, resident of dermatology

Street address

Ahvaz Jundishapur University of Medical Sciences

City

Ahvaz

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

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr Mostafa Fegghi

Street address

Ahvaz Jundishapur University of Medical Sciences

City

Ahvaz

Grant name**Grant code / Reference number**

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

Yes

Title of funding source

Ahvaz Jundishapur 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

Ahvaz Jundishapur University of Medical Sciences

Full name of responsible person

Dr Esmail Rafiee

Position

Resident of dermatology

Other areas of specialty/work

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Web page address

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