

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

Evaluation of efficacy of topical tetracycline in enhancing the effect of phototherapy against vitiligo

Protocol summary

Summary

Our goal is to evaluate the efficacy of topical tetracycline in enhancing the effect of phototherapy in treatment of vitiligo. This study is double blinded and randomized clinical trial on 30 patients with generalized stable vitiligo in phototherapy center of dermatology clinic. Pregnant or lactating women and children under 8 years old are eliminated from the study. Patients randomly apply topical tetracycline on one lesion and placebo on the other while taking phototherapy 2-3 times a week and according to photos taken from lesions and VASI (Vitiligo Area Scoring Index) score are evaluated. Intervention time is in spring 2013. Pigmentation is primary outcome measure.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201108017160N3**

Registration date: **2013-07-01, 1392/04/10**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-07-01, 1392/04/10

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2013-06-18, 1392/03/28

Expected recruitment end date

2013-06-29, 1392/04/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of efficacy of topical tetracycline in enhancing the effect of phototherapy against vitiligo

Public title

Evaluation of efficacy of topical tetracycline in enhancing the effect of phototherapy against vitiligo

Purpose

Treatment

Inclusion/Exclusion criteria

30 patients with generalized stable vitiligo (more than 20% of body surface area) are chosen. Pregnant or lactating women and children under 8 years old are eliminated from the study.

Age

From **8 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 30

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**

Shiraz University of Medical Sciences Ethics Committee

Street address

Zand street

City

Shiraz

Postal code**Approval date**

2013-06-16, 1392/03/26

Ethics committee reference number

CT-P-92-5150

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

vitiligo

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Lesion pigmentation

Timepoint

Monthly

Method of measurement

Photo and VASI score

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

Erythema

Timepoint

Monthly

Method of measurement

Photo

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

patients randomly apply tetracycline ointment twice daily on one lesion and placebo(yellow vaseline) on the other while taking phototherapy 2-3 times weekly.then according to photos taken and vasi scores,lesions are evaluated.

Category

Treatment - Drugs

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

Dermatology clinic, Faghihi hospital

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

Shiraz

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

Vice chancellor for research, Shiraz University of Medical Sciences

Full name of responsible person

Gholamreza Hatam

Street address

Shiraz University of Medical Sciences, Zand street

City

Shiraz

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, Shiraz 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

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Person responsible for general inquiries

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