

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jun 2026

Comparison of the efficacy of Triamcinolone Iontophoresis versus topical Daivobet in the treatment of nail psoriasis.

Protocol summary

Summary

The aim of this study was to compare the efficacy of monthly triamcinolone iontophoresis and daily topical daivobet in the treatment of nail psoriasis. This study was a clinical trial (bilateral comparison study) conducted on 16 patients with nail psoriasis referred to the Faghihi dermatology clinics from March 2014 to March 2015. Patients with mild to moderate psoriasis with the age range of 6-70 were entered our study after dermatologist clinical diagnosis confirmation. Exclusion criteria were iontophoresis contraindications and patient's dissatisfaction. In this study we want compare the effect of tiamcinolone ionthophoresis on nail psoriasis with bed and matrix involvment wih topical daivobet.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017050233778N1**

Registration date: **2017-06-26, 1396/04/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-06-26, 1396/04/05

Registrant information

Name

Shahla Hoseinpoor

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 97132125239

Email address

hoseinpor@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2016-02-19, 1394/11/30

Expected recruitment end date

2017-02-18, 1395/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the efficacy of Triamcinolone Iontophoresis versus topical Daivobet in the treatment of nail psoriasis.

Public title

Tiramcinolone for teratment of nail psoriasis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age of older than 6 years; Age less than 70 years; Lack of sensitivity to the medication.

Exclusion criteria:Pacemakers; Pregnancy;

Metal Orthopedic Implants; Cardiac Arrhythmia; Patient dissatisfaction .

Age

From **6 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 16

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**

School of Medicine, Shiraz University of Medical Sciences

Street address

School of Medicine, Shiraz, Fars, Iran

City

Shiraz

Postal code**Approval date**

2017-05-28, 1396/03/07

Ethics committee reference number

IR.SUMS.MED.REC.1396.37

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

Nail psoriasis

ICD-10 code

L40.0

ICD-10 code description

Psoriasis Vulgaris

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

Nail pitting, onycholysis, subungual hyperkeratosis

Timepoint

monthly

Method of measurement

NAPSI SCORE, photography

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

Pain, burning, drug reaction

Timepoint

Monthly

Method of measurement

Questionnaire

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

For one hand monthly triamcilon iontophoresis with concentration 4mg/ml was done.

Category

Treatment - Drugs

2**Description**

For one hand daily application of daivobet included 50 microgram/gr calcipotriole +500 microgram/gr bethamethasine was applied.

Category

Treatment - Drugs

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

Shahid Faghihi hospital

Full name of responsible person

Shahla Hoseinpor

Street address

Shahid Faghihi Hospital, Shiraz, Fars

City

Shiraz

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

Dermatology Molecholar Center, Shiraz University of Medical Sciences

Full name of responsible person

Sara Ranjbar

Street address

Dermatology Molecholar Center, Shahid Faghihi Hospital, Shiraz

City

Shiraz

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Dermatology Molecholar Center, Shiraz University of Medical Scienes

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**

Shiraz University of Medical Sciences

Full name of responsible person

Shahla Hoseinpoor

Position

Dermatology Residence

Other areas of specialty/work**Street address**

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City

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Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Shiraz University of Medical Sciences

Full name of responsible person

Nasrin Saki

Position

Assistant Professor

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Full name of responsible person

Shahla Hoseinpoor

Position

Dermatology Residence

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