

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

08 Jun 2026

### Effect of topical treatments of psoriasis with ointment Fluocinolon 0.125% and lotion Betamethasone 0.05% on the level of IL-17 in patients with psoriasis: a before-after clinical trial

#### Protocol summary

##### Summary

Objectives: To assess the effect topical treatments of psoriasis with ointment Fluocinolon 0.125% and lotion Betamethasone 0.05% on the level of IL-17 in patients with psoriasis. Design: A before-after clinical trial. Setting and conduct: The eligible patients with psoriasis who will refer to farshchian Hospital during the study period will be enrolled into the trial. Inclusion criteria: Having psoriatic lesions. Exclusion criteria: (a) pregnancy or breastfeeding; (b) using local or systemic corticosteroid during the past 3 months; (c) history of autoimmune or inflammatory disease. Intervention group: Ointment Fluocinolon 0.125% for lesions of trunk and limbs and lotion Betamethasone 0.05% for scalp lesions very night for one month. Control group: there is no comparison group. The intervention group will be compared before and after intervention. Primary outcome: Measuring the level of IL-17 before treatment and 4 weeks after treatment using laboratory test. Secondary outcome: Nothing. Randomization: This is a before after trial without randomization. Blinding: Not possible.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201606289014N104**  
Registration date: **2016-07-05, 1395/04/15**  
Registration timing: **registered\_while\_recruiting**

Last update:

Update count: **0**

##### Registration date

2016-07-05, 1395/04/15

##### Registrant information

Name

Jalal Poorolajal

##### Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan  
University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 81 1838 0090

##### Email address

poorolajal@umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice-chancellor for Research the Technology, Hamadan  
University of Medical Sciences

##### Expected recruitment start date

2016-05-14, 1395/02/25

##### Expected recruitment end date

2017-05-15, 1396/02/25

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of topical treatments of psoriasis with ointment Fluocinolon 0.125% and lotion Betamethasone 0.05% on the level of IL-17 in patients with psoriasis: a before-after clinical trial

##### Public title

Effect of topical treatments of psoriasis with ointment Fluocinolon 0.125% and lotion Betamethasone 0.05% on the level of IL-17 in patients with psoriasis

##### Purpose

Treatment

## Inclusion/Exclusion criteria

Inclusion criteria: Having psoriatic lesions. Exclusion criteria: (a) pregnancy or breastfeeding; (b) using local or systemic corticosteroid during the past 3 months; (c) history of autoimmune or inflammatory disease.

## Age

No age limit

## Gender

Both

## Phase

2

## Groups that have been masked

No information

## Sample size

Target sample size: 60

## Randomization (investigator's opinion)

N/A

## Randomization description

## Blinding (investigator's opinion)

Not blinded

## Blinding description

## Placebo

Not used

## Assignment

Single

## Other design features

Randomization: This is a before after trial without randomization. Blinding: Not possible.

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics Committee of Hamadan University of Medical Sciences

##### Street address

Vice-chancellor for Research the Technology,  
Hamadan University of Medical Sciences, Shahid  
Fahmideh Ave

##### City

Hamadan

##### Postal code

6517838695

#### Approval date

2016-04-23, 1395/02/04

#### Ethics committee reference number

IR.UMSHA.REC.1395.62

## Health conditions studied

### 1

#### Description of health condition studied

Psoriasis

#### ICD-10 code

L40

## ICD-10 code description

Psoriasis

## Primary outcomes

### 1

#### Description

Measuring the level of IL-17

#### Timepoint

before treatment and 4 weeks after treatment

#### Method of measurement

using laboratory test

## Secondary outcomes

### 1

#### Description

Nothing

#### Timepoint

Nothing

#### Method of measurement

Nothing

## Intervention groups

### 1

#### Description

Ointment Fluocinolon 0.125% for lesions of trunk and limbs and lotion Betamethasone 0.05% for scalp lesions very night for one month

#### Category

Treatment - Drugs

### 2

#### Description

there is no comparison group. The intervention group will be compared before and after intervention.

#### Category

N/A

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Farshchian Hospital

##### Full name of responsible person

Dr Fariba Shadfar

##### Street address

Farshchian Hospital, Mirzadeh Eshghi Ave.

##### City

Hamadan

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

Vice-chancellor for Research the Technology,  
Hamadan University of Medical Sciences

**Full name of responsible person**

Dr Saeid Bashirian

**Street address**

Hamadan University of Medical Sciences, Shahid  
Fahmideh Ave

**City**

Hamadan

**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 the Technology, Hamadan  
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**

Farshchian Hospital

**Full name of responsible person**

Dr Fariba Shadfar

**Position**

Resident of Dermatology

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

Farshchian Hospital, Mirzadeh Eshghi Ave.

**City**

Hamadan

**Postal code****Phone**

+81 38274184

**Fax****Email**

faribashadfar03@gmail.com

**Web page address**

## Person responsible for scientific inquiries

**Contact****Name of organization / entity**

Farshchian Hospital

**Full name of responsible person**

Dr Mohammad Reza Sobhan

**Position**

Dermatologist

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

Farshchian Hospital, Mirzadeh Eshghi Ave.

**City**

Hamadan

**Postal code****Phone**

+98 81 3827 4184

**Fax****Email**

mreza\_sobhan@yahoo.com

**Web page address**

## Person responsible for updating data

**Contact****Name of organization / entity**

Department of Epidemiology

**Full name of responsible person**

Dr Jalal Poorolajal

**Position**

Associate Professor

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

School of Public Health, Hamadan University of  
Medical Sciences, Shahid Fahmideh Ave

**City**

Hamadan

**Postal code**

6517838695

**Phone**

+98 81 3838 0090

**Fax****Email**

poorolajal@umsha.ac.ir

**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*