

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Evaluating the effect of topical Atorvastatin as adjuvant therapy in treatment of hand eczema

Protocol summary

Summary

This study is a randomized, placebo-controlled, double-blind trial in 70 patients with dermatitis aged 18 years to 65 years with poor response to conventional treatment (topical steroids) at dermatology clinic of Sina hospital in Hamadan. After confirmation of dermatitis by dermatologist and the same drug prescription, all patients will be randomly allocated into two groups according to Random number tables. Intervention group will receive topical atorvastatin 5% two times a day for 10 days with topical betamethason and control group will receive topical betamethason without atorvastatin. Severity of clinical symptoms and pruritus determine by Hand eczema index at baseline, 5 days and 10 days after treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017070922965N10**
Registration date: **2017-07-18, 1396/04/27**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2017-07-18, 1396/04/27

Registrant information

Name

Maryam Mehrpooya

Name of organization / entity

School of Pharmacy, Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 3821 8684

Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Hamadan University of Medical Sciences

Expected recruitment start date

2017-08-19, 1396/05/28

Expected recruitment end date

2018-08-19, 1397/05/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluating the effect of topical Atorvastatin as adjuvant therapy in treatment of hand eczema

Public title

Effect of topical Atorvastatin on hand eczema

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Age between 18-65 years old; Moderate to severe eczema; Patients who less than 25% of their skin is involved; Discountinue of glucocorticoid agents 4 weeks prior to the investigation; Discountinue of antipuritis agents 1 week prior to the investigation
Exclusion criteria: Age less than 18 years old; Patients with inflammatory skin disease; Pregnant woman

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

3

Groups that have been masked*No information***Sample size**

Target sample size: 70

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features

Neither the participants or the experimenters know who is receiving a particular treatment

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Hamadan University of Medical Sciences

Street address

Khajerashid, Ayatollah Kashani, Hamadan University of Medical Sciences

City

Hamadan

Postal code**Approval date**

2017-06-24, 1396/04/03

Ethics committee reference number

IR.UMSHA.REC.1396.290

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

Dermatitis

ICD-10 code

L20.8

ICD-10 code description

Other atopic dermatitis

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

Eczema

Timepoint

5 and 10 days following of treatment

Method of measurement

Hand eczema index

Secondary outcomes

empty

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

Intervention group: Betamethason ointment plus atorvastatin 5% cream 2 times per day for 10 days

Category

Treatment - Drugs

2**Description**

Control group: Betamethason ointment plus placebo atorvastatin 5% cream 2 times per day for 10 days

Category

Treatment - Drugs

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

Sina Hospital

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

Hamadan

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

Vice chancellor for research, Hamadan University of Medical Sciences

Full name of responsible person

Alireza Ahmadi

Street address

Hamedan University of Medical Sciences, Shahid Fahmide avenue, Hamedan

City

Hamedan

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, 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

Hamedan University of Medical Sciences, Shahid

Fahmide avenue, Hamedan

City

Hamedan

Postal code**Phone**

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Fax**Email**

m_mehrpooya2003@yahoo.com

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

School of Pharmacy, Hamedan University of Medical Sciences

Full name of responsible person

Maryam Mehrpooya

Position

Assistant Professor

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

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Full name of responsible person

Fateme Ghaedamini

Position

Student

Other areas of specialty/work**Street address****City****Postal code****Phone**

00

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School of Pharmacy, Hamadan University of Medical Sciences

Full name of responsible person

Maryam Mehrpooya

Position

Assistant Professor

Other areas of specialty/work**Street 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