Clinical Trial Protocol
Iranian Registry of Clinical Trials

19 Sep 2026

Comparative Effectiveness of Atorvastatin 5% lotion vs betamethasone lotion in treatment of seborrheic dermatitis in adult: Double blind Randomized Clinical trial study

Protocol summary

Summary

This study is a randomized,Without using a placebo-controlled,double-bind trial in 70 patients with seborrheic dermatitis aged 18 years to 65 years at dermatology clinic of hospital in Hamadan.After confirmation of seborrheic dermatitis by dermatologist and the same drug prescription,all patients will be randomly allocated into two groups according to randomly number tables.In one group, receive 5% of atorvastatin lotion daily with ketoconazole shampoo 3 times a week for 4 weeks, and the other group receive betamethasone lotion 3 times a week with ketoconazole shampoo 3 times a week.Severity of clinical symptoms are determined in all patients using the recommended Koca scoring system at the earliest stages of treatment, 2 weeks, 4 weeks, and 4 weeks after the end of treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017070922965N11**
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

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Name of organization / entity

School of Pharmacy,Hamadan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Ethics Committee of Hamadan University of Medical Sciences

Expected recruitment start date

2017-08-06, 1396/05/15

Expected recruitment end date

2018-08-06, 1397/05/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative Effectiveness of Atorvastatin 5% lotion vs betamethasone lotion in treatment of seborrheic dermatitis in adult: Double blind Randomized Clinical trial study

Public title

Effect of topical atorvastatin in seborrheic dermatitis

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria:Patients with seborrheic dermatitis in the scalp and face with clinical diagnosis؛Lack of treatment with topical or systemic corticosteroids،Methyl dopa، Chlorpromazine،Topical or systemic acne medications from a month before referral؛Failure to develop a systemic disorder, such as Parkinson's

disease, AIDS, mood disorders. exclusion criteria:Report any allergy to the drug, such as Contact dermatitis؛Dissatisfaction with drug use and collaborative study؛Lack of referral for follow up and observation of the therapeutic efficacy of the drug؛Having a very severe type of disease(Itching score greater than 7)؛Pregnancy and lactation

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
Not used

Assignment
Single

Other design features

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
2017-07-08, 1396/04/17

Ethics committee reference number
IR.UMSHA.REC.1396.310

Health conditions studied

1

Description of health condition studied
seborrheic dermatitis

ICD-10 code
L21.8

ICD-10 code description
Other seborrhoeic dermatitis

Primary outcomes

1

Description
seborrheic dermatitis

Timepoint
2 and 4 weeks following of treatment and4 weeks after the end of treatment.

Method of measurement
Koca scoring system

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: ketoconazole shampoo three times a week with 5% atorvastatin lotion daily

Category
Treatment - Drugs

2

Description
Control group: ketoconazole shampoo 3 times a week with betamethasone lotion daily

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Farshchian 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
Hamadan University of Medical Sciences ,Shahid Fahmide avenue ,Hamadan

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,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

School of Pharmacy,Hamadan University of Medical Sciences

Full name of responsible person

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Position

Assistant Professor

Other areas of specialty/work

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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