

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jun 2026

The Comparison of Efficacy of Berberine and Placebo on Skin Lesions of Psoriasis Patients

Protocol summary

Summary

The purpose of this study was to assess the response to treatment of berberine cream in psoriasis patients. This study was conducted as a randomized double-blind, single center. 60 known cases of psoriasis, not using of berberine cream during last 3 months, no pregnancy for females were recruited. These patients selected from hospitalized psoriasis patients referred to Dermatology clinic of Ahvaz Imam Khomeini hospital. Drugs were utilized by patients in 6 months during 23 July and 21 January 2011. They were asked 7 times after starting the study, first at the baseline and then every month till sixth months, for their symptoms due to lesions based on a Psoriasis Area Severity Index.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201201305069N6**

Registration date: **2012-02-22, 1390/12/03**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-02-22, 1390/12/03

Registrant information

Name

Alireza Ghorbani Birgani

Name of organization / entity

Islamic Azad University

Country

Iran (Islamic Republic of)

Phone

+98 61 1229 8173

Email address

ghorbani@iaug.ac.ir

Recruitment status

Recruitment complete

Funding source

Gachsaran Islamic Azad University

Expected recruitment start date

2011-07-23, 1390/05/01

Expected recruitment end date

2012-01-21, 1390/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Comparison of Efficacy of Berberine and Placebo on Skin Lesions of Psoriasis Patients

Public title

The Efficacy of Berberine on Patients with Psoriasis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: known case of psoriasis, not using of berberine cream during last 3 months, Exclusion criteria: pregnancy for females, sensitivity to components of barberry

Age

From **2 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

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

Islamic Azad University

Street address

Academic Complex (Site)-Islamic Azad University

City

Gachsaran

Postal code

32356

Approval date

2011-11-11, 1390/08/20

Ethics committee reference number

498

Health conditions studied

1

Description of health condition studied

Psoriasis

ICD-10 code

L40

ICD-10 code description

Psoriasis

Primary outcomes

1

Description

Psoriasis

Timepoint

before intervention and every month for sixth months

Method of measurement

Psoriasis Area Severity Index

Secondary outcomes

empty

Intervention groups

1

Description

Berberine cream, 50 gram twice a day for 6 months in first intervention group

Category

Treatment - Drugs

2

Description

Placebo, 50 gram twice a day for 6 months in first intervention group

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ahwaz Imam Khomeinie Hospital

Full name of responsible person

Alireza Ghorbani Birgani

Street address

Azadegan Ave-Imam Khomeinie Hospital

City

Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Gachsaran Islamic Azad University

Full name of responsible person

Saman Moosavian

Street address

Academic Complex (Site)-Islamic Azad University

City

Gachsaran

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Gachsaran Islamic Azad University

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

Gachsaran Islamic Azad University

Full name of responsible person

Saman Moosavian

Position

Faculty Member/Master

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Full name of responsible person

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Other areas of specialty/work

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Phone

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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