

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 2026

The effect of hydro- alcoholic total extract of turmeric rhizomes on eczema

Protocol summary

Summary

Atopic dermatitis is a chronic and recurrent skin disorder which is associated with itchy rashes. Patients suffering with allergic reactions are more likely to be affected by this condition. The causes of this disease probably are genetic factors, immune system deficiency and presence of damaged skin barrier. Atopic dermatitis is treated with the wide ranges of oral and topical medications; however, major side effects are associated with these current agents. Based on several studies, Curcuma Longa can inhibit several inflammatory enzymes mainly involved in the inflammatory process of atopic dermatitis. Therefore, we have decided to target and use this well known herbal agent with fantastic safety as a novel topical formulation. The clinical and therapeutic benefit of this novel topical formulation was carried out on 40 patients with mild to moderate atopic dermatitis in a double-blind, placebo-controlled clinical trial. patients were instructed to apply the 5 % tumeric extract in microemulgel twice a day. Patients in control group applied microemulgel without tumeric extract. Erythema, dryness, burning, itching and other side effects evaluated using the quality of Life questionnaire and SCORAD as well as photos before and after treatment.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201503163106N23**

Registration date: **2015-04-22, 1394/02/02**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-04-22, 1394/02/02

Registrant information

Name

Farshad Hashemian

Name of organization / entity

Pharmaceutical Sciences Branch, Islamic Azad University (IAU)

Country

Iran (Islamic Republic of)

Phone

+98 21 2260 0037

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Recruitment status

Recruitment complete

Funding source

1- Pharmaceutical Sciences branch of Islamic Azad University, 2- investigators financial sources

Expected recruitment start date

2013-10-22, 1392/07/30

Expected recruitment end date

2014-10-22, 1393/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of hydro- alcoholic total extract of turmeric rhizomes on eczema

Public title

The effect of extract turmeric on eczema

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age over 18 years old; both sexes; absence of infection or skin cancer; patients with mild & moderate plaque eczema which had been stable on

systemic treatment for at least 2 month; wash out period for topical anti eczema agent at least 2 weeks before clinical trial. Exclusion criteria: pregnancy; lactation; age under 18 years old; a history of sensitivity to the active ingredient or expedients; patient decision to leave the study.

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

Not 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

Pharmaceutical science branch of Islamic Azad

Street address

No.99, Yakhchal street, Dr. Shariati Avenue

City

Tehran

Postal code

00982161192655

Approval date

2013-09-01, 1392/06/10

Ethics committee reference number

6563

Health conditions studied

1

Description of health condition studied

Atopic dermatitis

ICD-10 code

L20.0

ICD-10 code description

Besnier's prurigo

Primary outcomes

1

Description

Erythema

Timepoint

at the baseline, every 3 weeks up to 12 weeks

Method of measurement

photography: before,during &after treatment and questionnaire of life of quality and scorad

2

Description

dryness

Timepoint

at the baseline, every 3 weeks up to 12 weeks

Method of measurement

photography: before,during &after treatment and questionnaire of life of quality and scorad

3

Description

burning

Timepoint

at the baseline, every 3 weeks up to 12 weeks

Method of measurement

questionnaire

4

Description

itching

Timepoint

at the baseline, every 3 weeks up to 12 weeks

Method of measurement

questionnaire

Secondary outcomes

1

Description

side effects

Timepoint

at the baseline, every 3 weeks up to 12 weeks

Method of measurement

Questionnaire

Intervention groups

1

Description

Intervention group: 5 % tumeric extract in microemulgel. patients were instructed to apply the Herbal microemulgel twice a day

Category

Treatment - Drugs

2

Description

Control group: microemulgel without tumeric extract. patients were instructed to apply twice a day.

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam khomaini hospital

Full name of responsible person

Dr. Parvin Mansouri

Street address

Imam Khomeini Hospial complex, Keshavarz blvd.

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic azad university of pharmaceutical science

Full name of responsible person

Dr. Sepideh Arbabi Bigdeli

Street address

No.99, Yakhchal street, Dr. Shariati Avenue Tehran

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Islamic azad university of pharmaceutical science

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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Pharmaceutical science branch of Islamic Azad university

Full name of responsible person

Dr. Mehdi Rajabi

Position

Assistant professor / Head of Department

Other areas of specialty/work

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Web page address

Person responsible for updating data

Contact

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