

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Effect of topical pumpkin, traditional medicine products, on the chronic hand eczema

Protocol summary

Summary

The purpose of this study is checking of topical application of pumpkin ointment, products of traditional medicine on chronic hand eczema. The study is a double-blind clinical trial. Inclusion criteria: Interested in participating in the study; Age 18+; In patients with mild to moderate chronic hand eczema according to criteria HECSI. (Occupational dermatitis, atopic dermatitis, contact dermatitis irritant); Non-use of oral corticosteroids during the last two months; Lack of local immunosupresor within four weeks prior to treatment; Lack of pregnancy and lactation; No history of contact dermatitis to prescription drugs; Lack of local infection; Having no obsessive and excessive washing with water and detergent; Absence of immunosuppressive disease exclusion criteria: History of allergy to drugs; Use of oral or topical corticosteroids during the 4 weeks before the study; Local infection at the site of the lesion eczema; Women during pregnancy or lactation; Patients with severe obsessive washing; Having a physical or mental disorders that interfere with participation in the study Patients are over 18 years old with mild to moderate chronic hand eczema among patients referred to the dermatology clinic of Imam Khomeini hospital. The sample size is 60 Person. Patients were randomly divided into four groups receiving pumpkin cream, emollient and corticosteroid (betamethasone 1 / .%) and put almond cream. They should use up to one gram of topical ointment on the lesion twice a day for a period of four weeks (28 days). At the first visit, the day fourteenth and twenty-eighth day after the beginning of each meeting HECSI and DLQI (in Farsi with a standardized questionnaire) will be reviewed. In addition, each session using a camera with specific characteristics The wound will be photographed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014012916412N1**

Registration date: **2015-06-17, 1394/03/27**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-06-17, 1394/03/27

Registrant information

Name

Alemeh Khademi

Name of organization / entity

School of Traditional Medicine, Tehran university of medical science

Country

Iran (Islamic Republic of)

Phone

+98 21 8895 5295

Email address

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Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2014-09-24, 1393/07/02

Expected recruitment end date

2016-09-24, 1395/07/03

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of topical pumpkin, traditional medicine

products, on the chronic hand eczema

Public title

Effects of pumpkin (moschata cucurbita) jointment on chronic hand eczema

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Interested in participating in the study; Age 18+; In patients with mild to moderate chronic hand eczema according to criteria HECSI. (Occupational dermatitis, atopic dermatitis, contact dermatitis irritant); Non-use of oral corticosteroids during the last two months; Lack of local immunosuppressor within four weeks prior to treatment; Lack of pregnancy and lactation; No history of contact dermatitis to prescription drugs; Lack of local infection; Having no obsessive and excessive washing with water and detergent; Absence of immunosuppressive disease exclusion criteria: History of allergy to drugs; Use of oral or topical corticosteroids during the 4 weeks before the study; Local infection at the site of the lesion eczema; Women during pregnancy or lactation; Patients with severe obsessive washing; Having a physical or mental disorders that interfere with participation in the study

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

3

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

Ethics Committee of Tehran University of Medical Sciences

Street address

Tehran University of Medical Sciences, School of Traditional Medicine

City

Tehran

Postal code

Approval date

2015-04-08, 1394/01/19

Ethics committee reference number

tums.rec 9021309001-139191

Health conditions studied

1

Description of health condition studied

Chronic hand eczema

ICD-10 code

L30.9

ICD-10 code description

Other dermatitis

Primary outcomes

1

Description

Dermatology Life Quality Index

Timepoint

Before the intervention, 14 and 28

Method of measurement

Questionnaire

2

Description

Hand Eczema Severity Index

Timepoint

Before the intervention, 14 and 28

Method of measurement

Questionnaire

Secondary outcomes

1

Description

Recovery rates

Timepoint

Before the intervention, the day Fourteenth and twenty-eighth

Method of measurement

Picture

2

Description

Skin reactions

Timepoint

Before the intervention, the day Fourteenth and twenty-eighth

Method of measurement

Questionnaire

Intervention groups

1

Description

Betamethasone ointment twice a day One Month

Category

Treatment - Drugs

2

Description

Almond ointment twice a day One Month

Category

Treatment - Drugs

3

Description

Eucerin ointment twice a day One Month

Category

Treatment - Drugs

4

Description

pumpkin ointment twice a day for one Month

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Alemeh khademi

Street address

Skin clinic, Imam Khomeini Hospital, Keshavarz bulv

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Tehran university
School of Traditional Medicine

Full name of responsible person

Dr. Roja rahimi

Street address

Tehran University of Medical Sciences, Tehran
university, Enghelab Square

City

Tehran

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 of Tehran university School
of Traditional Medicine

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

Tehran University of Medical Sciences

Full name of responsible person

Alemeh khademi

Position

Postgraduate Iranian Traditional Medicine

Other areas of specialty/work

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Person responsible for scientific inquiries

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Full name of responsible person

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Dermatologist and faculty of Tehran University

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Tehran University of Medical Sciences, School of
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Full name of responsible person

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Resident of traditional medicine

Other areas of specialty/work

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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