# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

07 Nov 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 shuld 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 sciense

**Country**

Iran (Islamic Republic of)

**Phone**

+98 21 8895 5295

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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 )ointment 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 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
**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

**Contact**
**Name of organization / entity**
Tehran University of Medical Sciences
**Full name of responsible person**
Dr.Parvin Mansouri
**Position**
Dermatologist and faculty of Tehran University
**Other areas of specialty/work**
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## Person responsible for updating data

**Contact**

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Tehran University of Medical Sciences, School of Traditional Medicine

**Full name of responsible person**

Alemeh Khademi

**Position**

Resident of traditional medicine

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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*