

Clinical Trial Protocol

Iranian Registry of Clinical Trials

06 Jul 2026

Comparison of the effect of Vaseline, honey, and honey-Vaseline combination versus control group on the severity of hand eczema: a randomized clinical trial

Protocol summary

Study aim

To compare the effect of Vaseline, honey, and honey-Vaseline combination versus control group on the severity of hand eczema

Design

This is a randomized clinical trial, phase II, in which 128 eligible patients will be randomly assigned to the intervention and control groups

Settings and conduct

The eligible patients with eczema referring to the Besat Hospital in Hamadan city during the study period will be enrolled in the trial and will be randomly assigned to the intervention and control groups through the block randomization.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Age of 18 to 65 years, Hand eczema, Exclusion criteria: Pregnancy or breastfeeding, Using corticosteroid or immunosuppressive drugs in the past month

Intervention groups

Intervention group 1: Topical ointment including Vaseline every 12 hours for 4 weeks Intervention group 2: Topical ointment including honey every 12 hours for 4 weeks Intervention group 3: Topical ointment including honey-Vaseline combination every 12 hours for 4 weeks Control: Receive no ointment.

Main outcome variables

Primary outcome: The severity of eczema

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20120215009014N357**

Registration date: **2020-06-03, 1399/03/14**

Registration timing: **retrospective**

Last update: **2020-06-03, 1399/03/14**

Update count: **0**

Registration date

2020-06-03, 1399/03/14

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1838 0090

Email address

poorolajal@umsha.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-04-13, 1399/01/25

Expected recruitment end date

2020-05-14, 1399/02/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of Vaseline, honey, and honey-Vaseline combination versus control group on the severity of hand eczema: a randomized clinical trial

Public title

Comparison of the effect of Vaseline, honey, and honey-

Vaseline combination versus control group on the severity of hand eczema

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Age of 18 to 65 years, Hand eczema,

Exclusion criteria:

Pregnancy or breastfeeding, Using corticosteroid or immunosuppressive drugs in the past month

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **128**

Randomization (investigator's opinion)

Randomized

Randomization description

The patients will be randomly assigned to intervention and control groups using block randomization. For this purpose, we will prepare eight sheets of paper, writing on two sheets the name of the intervention 1 and on two sheets the name of the intervention 2 and on two sheets the name of intervention 3 and on two sheets the name of control. The paper sheets will be pooled, placed in a container, and randomly drawn one at a time for each patient without replacement until all eight sheets are drawn. The six paper sheets will be then placed back into the container, and this action repeated until the sample size is reached.

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

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

Vice-chancellor for Research and Technology,
Hamadan University of Medical Sciences, Shahid
Fahmideh Ave

City

Hamadan

Province

Hamadan

Postal code

6517838695

Approval date

2020-04-11, 1399/01/23

Ethics committee reference number

IR.UMSHA.REC.1399.053

Health conditions studied**1****Description of health condition studied**

Eczema

ICD-10 code

B00.0

ICD-10 code description

Eczema herpeticum

Primary outcomes**1****Description**

The severity of eczema

Timepoint

Before the intervention and 2 and 4 weeks after that

Method of measurement

Through the physical examination and using Hexy
Questionnaire

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group 1: Topical ointment including Vaseline
every 12 hours for 4 weeks

Category

Treatment - Drugs

2**Description**

Intervention group 2: Topical ointment including honey
every 12 hours for 4 weeks

Category

Treatment - Drugs

3**Description**

Intervention group 3: Topical ointment including honey-
Vaseline combination every 12 hours for 4 weeks

Category

Treatment - Drugs

4

Description

Control:Receive no ointment.

Category

N/A

Recruitment centers

1

Recruitment center**Name of recruitment center**

Besat Hospital in Hamadan city

Full name of responsible person

Mehran Mohammadi

Street address

Besat Hospital, Shahed Square

City

Hamadan

Province

Hamadan

Postal code

6517838695

Phone

+98 81 3364 0030

Email

mehranmohammadi20@gmail.com

Sponsors / Funding sources

1

Sponsor**Name of organization / entity**

Hamedan University of Medical Sciences

Full name of responsible person

Dr. Saeid Bashirian

Street address

Hamadan University of Medical Sciences, Shahid Fahmideh Ave

City

Hamadan

Province

Hamadan

Postal code

6517838695

Phone

+98 81 3838 0717

Email

info.research@umsha.ac.ir

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Hamedan University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact**Name of organization / entity**

Hamedan University of Medical Sciences

Full name of responsible person

Mehran Mohammadi

Position

Student of Nursery

Latest degree

Master

Other areas of specialty/work

Nursery

Street address

School of Nursing and Midwifery, Hamadan University of Medical Sciences, Shahid Fahmideh Ave.

City

Hamadan

Province

Hamadan

Postal code

6517838695

Phone

+98 81 3838 0572

Email

mehranmohammadi20@gmail.com

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Hamedan University of Medical Sciences

Full name of responsible person

Dr. Khodayar Oshvandi

Position

Nursing Education Specialist

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

School of Nursing and Midwifery, Hamadan University of Medical Sciences, Shahid Fahmideh Ave.

City

Hamadan

Province

Hamadan

Postal code

6517838695

Phone

+98 81 3838 0572

Email

oshvandi2005@yahoo.com

Person responsible for updating data

poorolajal@umsha.ac.ir

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Dr. Jalal Poorolajal

Position

Professor of Epidemiology

Latest degree

Ph.D.

Other areas of specialty/work

Epidemiology

Street address

School of Public Health, Hamadan University of
Medical Sciences, Shahid Fahmideh Ave

City

Hamadan

Province

Hamadan

Postal code

6517838695

Phone

+98 81 3838 0090

Email

Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available