

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

Effect of ethanol free lotion of malathion (0.5%) on scabies in comparison with permethrin cream 5%

Protocol summary

Summary

The scabies is a current dermal disease which included many peoples around the world and in Iran. The insect cause several signs like irritation, inflammation, severe itching and in patients. Several drugs such as permethrin and lindane have been used for treatment, but there are several reports for resistance to these preparations. There is no official dosage form of malathion in Iran. The malathion lotion formulated in drug stores as compounding drug specially by using ethanol as cosolvent. This solvent have some irritative effect on skin. In this research the ethanol free lotion of malathion (0.5%) will be prepared and its effect on scabies in comparison with permethrin cream 5% will be evaluated. Patients will diagnosed by dermatologist and samples patients who received anti scabies during last 3 months; skin damage in lesions; sensitivity against preparation will be excluded from study. 60 patients (30 in every group) were received malathion lotion and permethrine cream respectively. The patients will be received lotion topically once a day for 2 weeks. The lesion count and other symptoms will be evaluated for 4 weeks.

General information

Acronym

Effect of malation lotion on scabies

IRCT registration information

IRCT registration number: **IRCT2014110110203N5**

Registration date: **2014-11-28, 1393/09/07**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-11-28, 1393/09/07

Registrant information

Name

Majid Saeedi

Name of organization / entity

Mazandaran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 15 1354 3082

Email address

msaeedi@mazums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mazandaran University of Medical Sciences

Expected recruitment start date

2014-05-22, 1393/03/01

Expected recruitment end date

2014-12-22, 1393/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of ethanol free lotion of malathion (0.5%) on scabies in comparison with permethrin cream 5%

Public title

Effect of Malation lotion on scabies in comparison with permethrin cream 5%

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: The pationts which diagnosed by dermatologist; Exclusion criteria: Pregnancy; lactation; fever; antibiotic therapy; patients who received anti scabies during last 3 months; skin damage in lesions;

sensitivity against preparation;

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description**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, Chancellor of Research,
Mazandaran University of Medical Sciences

Street address

Moallem sq.

City

Sari

Postal code**Approval date**

2014-02-01, 1392/11/12

Ethics committee reference number

92-88

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

Scabies

ICD-10 code

B86

ICD-10 code description

B86 scabies

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

skin lesion

Timepoint

time zero, 2 week, 4 week

Method of measurement

observation

Secondary outcomes**1****Description**

Lesion site

Timepoint

time zero, 2 week, 4 week

Method of measurement

observation

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

case: Malathion lotion 0.5%, one time per day (without
cleaning) for 2 weeks

Category

Treatment - Drugs

2**Description**

control: Permetrin cream 5% , one time per day (without
cleaning) for 2 weeks

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Dermatology clinic

Full name of responsible person

Majid Saeedi

Street address

Boo-Ali Hospital

City

Sari

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Mazandaran University of Medical Sciences

Full name of responsible person

Prof. Ahmad Ali Enayati

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Moallem sq.

City

Sari
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Mazandaran University of Medical Sciences
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

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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