Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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 researsh 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 permetrine 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)
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+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

Street address
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
Name of organization / entity
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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