Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Comparative trial of oral Ivermectin vs. Topical Lindane lotion 1% in the treatment of Scabies

Protocol summary

Summary

In this clinical trial study, 80 patients with Scabies, who were attended in the dermatology out patient department of Sina Hospital of tabriz medical science, were examined, and efficacy of oral Ivermectin and topical Lindane lotion for treatmet of Scabies, was compared. All patients were divided into two groups randomly.The key inclusion criteria:(nocturnal pruritus; burrow or/and typical scabietic lesion),and the key exclusion criteria:(under 2 years old; pregnancy;positive history of seizure or epiepsy; history of immunodeficiency diseases; history of anti scabies drug usage in last month.) The first group received single dose of 200 µg/kg body weight oral Ivermectin and the other group received topical Lindane lotion 1% .In the case of treatment failure at two week follow up, treatment was repeated. Treatment was evaluated at intervals of 2 and 4 weeks.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201205249844N1**
Registration date: **2014-07-13, 1393/04/22**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-07-13, 1393/04/22

Registrant information

Name

Mehdi Amirnia

Name of organization / entity

Tabriz University of Medical Sciences

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Tabriz University of Medical Sciences

Expected recruitment start date

2012-04-03, 1391/01/15

Expected recruitment end date

2013-04-04, 1392/01/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative trial of oral Ivermectin vs. Topical Lindane lotion 1% in the treatment of Scabies

Public title

Efficacy of oral Ivermectin for treatment of Scabies

Purpose

Treatment

Inclusion/Exclusion criteria

Exclusion criteria: (Under 2years old; Pregnancy ; Positive history of seizure or epilepsy ; Positive history of immunodeficiency diseases; History of anti scabies drug usage in last month .) Inclusion criteria: (Nocturnal pruritus; Burrow or/and typical scabietic lesion on the classical sites; History of similar symptoms in their families .)

Age

From **2 years** old to **100 years** old

Gender

Both

Phase
2-3
Groups that have been masked
No information
Sample size
Target sample size: **80**
Randomization (investigator's opinion)
N/A
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
Ethic committee of Tabriz University of Medical Sciences.
Street address
GoI Central Building of Tabriz University of Medical Sciences,Glgasht Ave,Tabriz
City
Tabriz
Postal code
Approval date
2014-06-16, 1393/03/26
Ethics committee reference number
9296

Health conditions studied

1

Description of health condition studied
Scabies
ICD-10 code
XII
ICD-10 code description
Scabies,sarcoptic itch

Primary outcomes

1

Description
Response to the treatment of the old lesion and absence of new lesion
Timepoint
2, 4 weeks after treatment
Method of measurement
Physical examination and comparing old lesion picture with the site of lesion after medical treatment

Secondary outcomes

1

Description
Absence of pruritus of lesion
Timepoint
2, 4 weeks after the treatment
Method of measurement
physical examination

Intervention groups

1

Description
Group A recieved single dose of 200 mic/kg oral ivermectin, repeat other dose at second week after treatment.
Category
Treatment - Drugs

2

Description
Group B recieved 30 ml, topical lindane lotion 1% , on all body surface at night and removed 8 to 12 hours later.Repeat other dose at second week after treatment.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Dermatology Department of Sina Hospital, Tabriz University of Medical Sciences.
Full name of responsible person
Elnaz Poorhasani
Street address
Sina Hospital, Azadi Ave.
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Tabriz University of Medical Sciences, Daneshgah Square.
Full name of responsible person
Dr Mehdi Amirnia

Street address
Vice chancellor for research, Tabriz University of Medical Sciences, Central Building of Medical Sciences, Daneshgah Square.
City
Tabriz
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, Tabriz University of Medical Sciences, Daneshgah Square.
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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Person responsible for scientific inquiries

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Person responsible for updating data

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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