

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Comparative efficacy of 1% permethrin with 1% lindane in the treatment of head lice in female primary school students

Protocol summary

Summary

This investigation is conducted to evaluate two treatment methods on head lice among female primary school students of Larestan in south east of Fars province, Iran. In this cross sectional survey, formulations of lindane 1% and permethrin 1% shampoos are used on two groups of 40 girls, respectively, who are treated for live head lice after screening with the aid of plastic lice detection combs (Hedrin) at 13 female primary schools of Larestan. Inclusion criteria comprises of being female at age 6 to 13 and generally healthy. Exclusion criteria also considered as being at any other treatment procedure for pediculosis. A questioner form on some epidemiologic factors was also included. The outcomes such as head lice infestation level, hair length, hair style and itching, will be followed up for two weeks from initial treatment on days 2, 6, 9 and 14. Data obtained from measurements after intervention in both groups will be compared by SPSS software analyzing.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015010816372N2**

Registration date: **2015-01-25, 1393/11/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-01-25, 1393/11/05

Registrant information

Name

Farzad Nikaein

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1726 2850

Email address

nikaeinf@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences, Vice Chancellor for Research Affairs

Expected recruitment start date

2013-10-10, 1392/07/18

Expected recruitment end date

2013-12-10, 1392/09/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparative efficacy of 1% permethrin with 1% lindane in the treatment of head lice in female primary school students

Public title

Assessment of efficacy of 1% permethrin in treatment of head lice in female primary school students

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria comprises of being female at age 6 to 13 and generally healthy. Exclusion criteria also considered as being at any other treatment procedure for pediculosis.

Age

From **6 years** old to **13 years** old

Gender

Female

Phase

N/A

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

Shiraz University of Medical Sciences Ethics Committee

Street address

Shiraz University of Medical Sciences Ethics Committee, Zand st., Shiraz, Iran

City

Shiraz

Postal code

Approval date

2013-08-20, 1392/05/29

Ethics committee reference number

92-6876

Health conditions studied

1

Description of health condition studied

Pediculosis

ICD-10 code

B85.0

ICD-10 code description

Head-lice infestation

Primary outcomes

1

Description

Head lice infestation

Timepoint

Followed up for two weeks from initial treatment on days

2, 6, 9 and 14

Method of measurement

plastic lice detection combs (Hedrin)

Secondary outcomes

1

Description

Itching

Timepoint

Followed up for two weeks from initial treatment on days 2, 6, 9 and 14

Method of measurement

Qualitative questionnaire

Intervention groups

1

Description

Intervention group 1: Formulations of lindane 1% shampoos were used on a group of 40 girls in form of 4 courses during 2 weeks, 5 minutes topical administration each course

Category

Treatment - Other

2

Description

Intervention group 1: Formulations of permethrin 1% shampoos will be used on a group of 40 girls in form of 4 courses during 2 weeks, 5 minutes topical administration each course

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Fatemieh Primary School

Full name of responsible person

Mrs. Zeynab Mohebi

Street address

Shahid Sodoghi St., Lar city, Fars, Iran

City

Larestan

2

Recruitment center

Name of recruitment center

Somayeh Primary School

Full name of responsible person

Mrs. Mahin Alipoor

Street address

Emam Khomeyni St., Lar city, Fars, Iran

City

Larestan

3

Recruitment center

Name of recruitment center

Boostan Primary School

Full name of responsible person

Mrs. Zahra Mohhamadi

Street address

Hejab St., Lar city, Fars, Iran

City

Larestan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences, Vice Chancellor for Research Affairs

Full name of responsible person

Dr. Ali Poostforush

Street address

Vice Chancellor for Research Affairs, Shiraz University of Medical Sciences, Zand Blvd., Shiraz, Iran

City

Shiraz

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Shiraz University of Medical Sciences, Vice Chancellor for Research Affairs

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

School of Health, Shiraz University of Medical Sciences

Full name of responsible person

Zahra Nasiri

Position

Msc. Candidate for Nutrition

Other areas of specialty/work

Street address

School of Health, Razi blvd., Shiraz, Iran

City

Shiraz

Postal code

Phone

+98 71 3725 1000

Fax

Email

farzad.nikaein@gmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

School of Health, Department of Medical Entomology, Shiraz University of Medical Sciences

Full name of responsible person

Mohammad Djaefar Moemenbellah-Fard

Position

Associate Professor

Other areas of specialty/work

Street address

School of Health, Razi Blvd., Shiraz, Iran

City

Shiraz

Postal code

Phone

+98 71 3725 1000

Fax

Email

nikaeinf@sums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Farzad Nikaein

Position

BSc. Nutrition

Other areas of specialty/work

Street address

Shiraz University of Medical Sciences, Zand St., Shiraz, Iran

City

Shiraz

Postal code

Phone

00

Fax

Email

nikaeinf@sums.ac.ir

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