

Clinical Trial Protocol

Iranian Registry of Clinical Trials

06 Jul 2026

Epidemiologic indices and comparative efficacy of Parasidose shampoo 0.2% and Dimeticone lotion 4% with Permethrin shampoo 1% in the treatment of head lice in female primary school students

Protocol summary

Summary

This is a double blind field trial to compare the efficacy of three treatment protocols to combat head lice among female students in 7 elementary schools in the city of Kavar in Fars Province from May 2017 to August 2017. This is done using a finely-toothed plastic lice detection comb (Hedrin). For infestation with live head lice, people are screened and then put 75 patients into three groups of 25 patients; the efficacy of Parasidose shampoo 0.2% and Dimethicone lotion 4% with permethrin shampoo 1% is investigated. Inclusion criteria: involves girls between the ages of 6 to 13 years old possessing their overall health. Exclusion criteria: includes basic problems in the last 4 weeks, such as susceptibility to the product; skin disorders; secondary bacterial infection; Favism; scalp burn; asthma; hair dye use; bleach; gel or oil. leaving patients from the study even after treatment at any time. Epidemiologic indices and primary and secondary outcome as well as through the questionnaire will be considered, such as the prevalence of head lice, hair length, hair status and itching. Each volunteer for the presence of lice within two weeks of treatment on days 2, 6, 9, 14 to be followed up. comparison of the measured outcomes after therapeutic intervention in three groups will be analyzed using SPSS software.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016041627408N1**
Registration date: **2017-08-21, 1396/05/30**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-08-21, 1396/05/30

Registrant information

Name

Hadi Kalari

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 3835 3662

Email address

dpt2371990396@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2017-05-04, 1396/02/14

Expected recruitment end date

2017-08-05, 1396/05/14

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Epidemiologic indices and comparative efficacy of Parasidose shampoo 0.2% and Dimeticone lotion 4% with Permethrin shampoo 1% in the treatment of head lice in female primary school students

Public title

Study of the comparative efficacy of Parasidose 0.2% shampoo and Dimeticone 4% lotion with Permethrin 1% shampoo for the treatment of head louse infestation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: involves girls between the ages of 6 to 13 years old possessing their overall health. Exclusion criteria: includes basic problems in the last 4 weeks, such as susceptibility to the product; skin disorders; secondary bacterial infection; Favism; scalp burn; asthma; hair dye use; bleach; gel or oil. leaving patients from the study even after treatment at any time.

Age

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

Gender

Female

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **75**

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

NA

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Shiraz University of Medical Sciences

Street address

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

City

Shiraz

Postal code**Approval date**

2017-05-03, 1396/02/13

Ethics committee reference number

IR.SUMS.REC.1396.24

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

Head Lice

ICD-10 code

B85.0

ICD-10 code description

Pediculosis due to *Pediculus humanus capitis*

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

The infestation rate of head lice

Timepoint

Follow-up within two weeks of starting treatment at days
2, 6, 9, 14.

Method of measurement

Hedrin comb

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

Itching Scalp

Timepoint

Follow-up within two weeks of starting treatment at days
2, 6, 9, 14.

Method of measurement

Qualitative questionnaire

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

First intervention group: Formulation of Permethrin 1% shampoo on a 25 person group from females during 2 weeks in 2 turns, each turn treat the scalp with it for 20 minutes.

Category

Treatment - Other

2**Description**

Third intervention group: Formulation of Dimethicone 4% lotion on a group of 25 person from elementary females during 2 weeks in 2 turns, in each turn treat the scalp with it for 8 hours.

Category

Treatment - Other

3**Description**

Second intervention group: Formulation of Parasidose 0.2% shampoo on a group of 25 person from elementary females during 2 weeks in 2 turns, in each turn treat the scalp with it for 8 hours.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Shahid Nemati primary school

Full name of responsible person

Mrs. Maryam Ghorbani

Street address

AL-Zahra Street, Emam Khomeyni Blvd., Kavar city,
Fars

City

Kavar

2

Recruitment center

Name of recruitment center

Sajedeh primary school

Full name of responsible person

Mrs. Sara Yaghoot

Street address

Golzar (kavar Kohneh), Emam Khomeyni Blvd., Kavar
city, Fars

City

Kavar

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shiraz University of Medical Sciences

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

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

Hadi Kalari

Position

Msc. Candidate for Medical Entomology

Other areas of specialty/work

Street address

School of Health, Razi Blvd., Shiraz, Iran

City

Shiraz

Postal code

Phone

+98 917 737 8170

Fax

Email

dpt2371990396@sums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Shiraz School of Health

Full name of responsible person

Mohammad Djaefar Moemenbellah-Fard

Position

Associate Professor

Other areas of specialty/work

Street address

Research Center for Health Sciences, Institute of
Health, Department of Medical Entomology and
Vector Control, School of Health, Shiraz University of
Medical Sciences, Shiraz, Iran

City

Shiraz

Postal code

Phone

+98 71 3725 1001

Fax

Email

momenbf@yahoo.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Shiraz University of Medical Sciences

Full name of responsible person

Mehdi Mahmoudi

Position

Public Health instructor

Other areas of specialty/work

Street address

Health Center, Emam Khomeyni Blvd., Kavar, Iran

City

Kavar

Postal code

Phone

+98 71 3782 9135

Fax

Email

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