

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jun 2026

Evaluation of anti-lice effect of topical lotion of ozonated olive oil and comparison of its effect with permethrin shampoo

Protocol summary

Summary

Evaluation of the effects of ozonated olive oil on the treatment of head lice by in vivo Design: The population of the study was 120 patients with head lice who visited Mashhad's clinics and in addition to confirmation of the disease by the physician, the company's satisfaction form in this study Have signed up. How to do: Patients divided into two groups of 60 divided into the first group, in addition to the usual treatment (permotharm shampooing), ozonated olive oil and the second group under common treatment (using permotharm shampoos). At the end of the study period, the two groups will compare and test the response to treatment. Interventions: The intervention group emulsifies the oil for seven days and daily for two hours each day for oily olive oil. And then it is washed with a regular shampoo (shampoo for baby hair). Main outcome variables: a) Primary outcome: presence of live lice in the hair, and examination of live lice on the third and seventh days. (B) Secondary outcome: the presence of lambs in the hair and counting the number of eggs adhering to the hair at 25 centimeters Square meters on the first, third and seventh day of treatment.

General information

Acronym

anti-lice effect of ozonated olive oil

IRCT registration information

IRCT registration number: **IRCT2017100936672N1**

Registration date: **2017-11-14, 1396/08/23**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-11-14, 1396/08/23

Registrant information

Name

omid rajabi

Name of organization / entity

university of medical sciences

Country

Iran (Islamic Republic of)

Phone

+98 51 3884 3483

Email address

rajabio@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Deputy of Research of Mashhad University of Medical Sciences

Expected recruitment start date

2017-10-23, 1396/08/01

Expected recruitment end date

2018-02-14, 1396/11/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of anti-lice effect of topical lotion of ozonated olive oil and comparison of its effect with permethrin shampoo

Public title

Evaluation of anti-lice effect of topical lotion of ozonated olive oil and comparison of its effect with permethrin shampoo

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Lice in the head; Filling out the consent

form; Carrying out the clinical work by the patient.
Exclusion criteria: No referral for follow up; Unwillingness to cooperate for any reason.

Age

No age limit

Gender

Both

Phase

0

Groups that have been masked

No information

Sample size

Target sample size: 120

Randomization (investigator's opinion)

Randomized

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

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Random numbers

Secondary Ids

empty

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

mashhad university of medical sciences

Street address

ghoreishi department- daneshgah st.

City

mashhad

Postal code

13944-91388

Approval date

2010-10-09, 1389/07/17

Ethics committee reference number

IR.MUMS.SP.1396. 168

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

pediculosis

ICD-10 code

B85.0 Pedi

ICD-10 code description

Head-lice infestation

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

observing alive lice

Timepoint

before treatment- 3 days after treatment-1 week after treatment

Method of measurement

counting number of alive lice by specialist

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

observing lice hat stick to the hair

Timepoint

before treatment- 3 days after treatment- 1 week after treatment

Method of measurement

Count the number of lice hat in 25 centimeters of head

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

Control group: In this group, permethrin shampoo is used as the standard of treatment

Category

Treatment - Drugs

2**Description**

Intervention group: In this group, in addition to the use of permethrin in a routine and common, ozonated olive oil is used daily as an international agent.

Category

Treatment - Drugs

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

Department of Parasitology, Imam Reza Hospital

Full name of responsible person

dr. fariba berenji

Street address

Imam Reza Hospital

City

mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

mashhad university of medical sciences

Full name of responsible person

dr. fariba berenji

Street address

Department of Parasitology, Imam Reza Hospital

City

mashhad

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

mashhad 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**

pharmacy school of mashhad

Full name of responsible person

dr. omid rajabi

Position

associated prof.

Other areas of specialty/work**Street address**

pharmacy school of mashhad- ferdowsi university of mashhad- park sq.

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pharmaceutics

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Person responsible for updating data

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Full name of responsible person

atoosa haghhighizadeh

Position

M.S.

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Fax**Email**

atoosa.hz@gmail.com

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