Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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 (permotherm shampooing), ozonated olive oil and the second group under common treatment (using permotherm 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-louse 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 lace hat stick to the hair

Timepoint
before tratment- 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
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact
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pharmacy school of mashhad
Full name of responsible person
atoosa haghighizadeh
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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