

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jun 2026

The effect of topical application of sweet almond oil on the uremic pruritus and itchy quality of life in hemodialysis patients

Protocol summary

2015-02-06, 1393/11/17

Summary

Objective: The effect of topical application of sweet almond oil on the uremic pruritus and itchy quality of life in hemodialysis patients. Inclusion and exclusion criteria: Inclusion criteria include known case of Chronic Renal Disease, under hemodialysis therapy at least 6 months, suffering from pruritus to arise Chronic Renal Disease at least 2 weeks, nonsuffering from known case of pruriginous dermal disease and having age more than 18 years and exclusion criteria include not to apply sweet almond oil, receive renal transplant, being under long term treatment with antihistamines or other pruritus sedative Medications. The study population: Hemodialysis patients referred to the dialysis center on Yasuj city. The sample size: By using block randomization 22 patients in experimental and 20 patients in control groups were allocated. Intervention: The amount of 5-10 ml of sweet almond oil made by Iranian Barij Essence pharmaceutical company was topically administered in the test group once daily for two weeks but the control group received no specific intervention. Intervention time: Data were collected during three stages pre-intervention, the end of the first week and the second week after intervention. Primary outcomes: Uremic pruritus and itchy quality of life in hemodialysis patients.

Registrant information

Name

Zahra Mehri

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Yasuj University of Medical Science :20000000 Rial

Expected recruitment start date

2013-08-23, 1392/06/01

Expected recruitment end date

2013-10-02, 1392/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of topical application of sweet almond oil on the uremic pruritus and itchy quality of life in hemodialysis patients

Public title

The effect of sweet almond oil on the pruritus and quality of life in hemodialysis patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: participant is known case of Chronic

General information

Acronym

Itchy QOL - HD

IRCT registration information

IRCT registration number: **IRCT2014121520313N1**

Registration date: **2015-02-06, 1393/11/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

Renal Disease and under hemodialysis therapy at least 6months; suffering from pruritus to arise Chronic Renal Disease at least 2weeks; participant has only suffering from Chronic Renal Disease and has not suffering from known case of pruriginous dermal disease; participant has age more than 18years; participant is healthy Psychologically; participant has not conscious disorder; participant has not speaking disorder; participant has not hearing disorder; participant has not seeing disorder; participant has informed tendency to participate in study. Exclusion criteria: participant express noninclination to participate in study in any stage of study; participant do not to apply sweet almond oil during the study; participant dies during the study; participant emigrates from study invironment during the study; participant receive renal transplant during the study; participant being under long term treatment with antihistamines or other pruritus sedative Medications during the study.

Age

From **19 years** old to **87 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **42**

Randomization (investigator's opinion)

Randomized

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**

Yasuj University of Medical Science

Street address

Yasuj, Shahid Jalil boulevard, next to Emam Sajad hospital, Yasuj University of Medical Science .

City

Yasuj

Postal code**Approval date**

2014-03-16, 1392/12/25

Ethics committee reference number

93.12.25.06

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

uremic pruritus

ICD-10 code

L29.8

ICD-10 code description

Other pruritus

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

uremic pruritus

Timepoint

one week pre-intervention , the end of the first week after intervention and the end of the second week after intervention

Method of measurement

severity scale questionnaire

2**Description**

Itchy quality of life

Timepoint

one week pre-intervention , the end of the first week after intervention and the end of the second week after intervention

Method of measurement

Itchy quality of life questionnaire

Secondary outcomes

empty

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

Control group : Received no specific intervention .

Category

N/A

2**Description**

Intervention group : From sweet almond oil made by Iranian Barij Essence pharmaceutical company with License registration number " s - 90 - 050 " was used. This oil is contained from 77% oleic acid and 17-20% inoleic, that method of application was once daily, amount of 5-10 ml in location of pruritus and locally depending on the location (any of the members or the entire body) for two weeks.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Dialysis Center of Yasuj Hospital Shahid Beheshti

Full name of responsible person

Dr Ardashir Afrasyabifar

Street address

Yasuj, Shahid Jalil boulevard, next to Emam Sajad hospital, Yasuj University of Medical Science, second floor, faculty of nursing and midwifery.

City

Yasuj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Yasuj University of Medical Science

Full name of responsible person

Mahmood Naraki

Street address

Yasuj, Shahid Motaahari boulevard, Setad, Central Building of Yasuj University of Medical Science, ground floor, office of an assistant of research

City

Yusuj

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

Yes

Title of funding source

Yasuj University of Medical Science

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

Yasuj University of Medical Science

Full name of responsible person

Zahra Mehri

Position

Master of Medical Sergical Nursing

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

Yasuj, Shahid Jalil boulevard, next to Emam Sajad

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Person responsible for scientific inquiries

Contact

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Yasuj University of Medical Science

Full name of responsible person

Dr Ardashir Afrasyabifar

Position

PHD in nursing

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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