Clinical Trial Protocol
Iranian Registry of Clinical Trials

11 Nov 2026

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

Protocol summary

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 cace of Chronic Renal Disease, under hemodialysis therapy at least 6months, suffering from pruritus to arise Chronic Renal Disease at least 2weeks, nonsuffering from known cace of pruriginous dermal disease and having age more than 18years 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 22patients in experimental and 20patients 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 administrated 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.

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

2015-02-06, 1393/11/17

Registrant information

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Zahra Mehri
Name of organization / entity
Shiraz University of Medical Sciences
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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 cace of Chronic

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 cace 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 l7-20% 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 Motahari 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

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Person responsible for scientific inquiries

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Position
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Other areas of specialty/work

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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