Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluating the effect of formulated dill(Anethum graveolens) in a base of sesame oil on the factors related to the quality of life in hemodialysis patients

Protocol summary

Summary

Purpose of study: Evaluating the effect of formulated dill(Anethum graveolens) in a base of sesame oil on the factors related to the quality of life in hemodialysis patients; Triple-blind, randomized, placebo-controlled trial, multi center; Inclusion:volunteered to participate in the study; age over 18; Undergoing hemodialysis for at least three month; not having any other cutaneous problem except Uremic pruritus; having gotten at least three at VAS scale; the absence of liver problems; not any allergy to oils.exclusion: If the patient receive renal transplant during the study; allergy to oils; tending to use other methods to reduce itching; The study population: all the hemodialysis patient; the sample size: 110 patients that are separated into 3 groups of 37 patient; intervention: using 2.5 gr of formulated dill(Anethum graveolens) in a base of sesame oil twice a day for a month topically; control: using 2.5 gr of sesame oil twice a day for a month topically; without intervention: just questionnaire should be answered; intervention time: Measurement of pruritus severity, quality of life and quality of sleep will be carried out before, two weeks and one month after intervention; outcome: treatment or reduction of itching, recovery of sleep disorders and improvement of hemodialysis patiens's life quality.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017022032671N1**
Registration date: **2017-05-07, 1396/02/17**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-05-07, 1396/02/17

Registrant information

Name

Zeinab Shaki

Name of organization / entity

Faculty of Nursing and Midwifery Shahed University

Country

Iran (Islamic Republic of)

Phone

+98 21 6641 8587

Email address

z.shaki@shahed.ac.ir

Recruitment status

Recruitment complete

Funding source

Shahed University, researcher:Zeinab shaki

Expected recruitment start date

2017-04-09, 1396/01/20

Expected recruitment end date

2017-10-12, 1396/07/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluating the effect of formulated dill(Anethum graveolens) in a base of sesame oil on the factors related to the quality of life in hemodialysis patients

Public title

The effect of dill(Anethum graveolens) in the treatment of Uremic pruritus of hemodialysis patient

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion:volunteered to participate in the study; age over 18; Undergoing hemodialysis for at least three month; not having any other cutaneous problem except Uremic pruritus; having gotten at least three at VAS scale; the absence of liver problems; not any allergy to oils.exclusion: If the patient receive renal transplant during the study; allergy to oils; tending to use other methods to reduce itching.

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **110**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Triple blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shahed University

Street address

First of Tehran_Qom free way, in front of Imam Khomeini(ra)'s holy shrine

City

Tehran

Postal code

3319118651

Approval date

2017-02-18, 1395/11/30

Ethics committee reference number

IR.Shahed.REC.1395.197

Health conditions studied

1

Description of health condition studied

Uremic pruritus

ICD-10 code

N18.5

ICD-10 code description

Chronic kidney disease/ stage 5

Primary outcomes

1

Description

Uremic pruritus

Timepoint

Before, two weeks and one month after intervention

Method of measurement

VAS questionnaire; DUO questionnaire

Secondary outcomes

1

Description

Sleep disorder

Timepoint

Before, two weeks and one month after intervention

Method of measurement

PSI questionnaire

2

Description

quality of life

Timepoint

Before, two weeks and one month after intervention

Method of measurement

Itchy QOL questionnaire

Intervention groups

1

Description

Without intervention: for this group of patients only routine measures is done.

Category

Treatment - Other

2

Description

control group; medication Sesame Oil; Dosage: 2.5 gr, twice a day, topically, during one month.

Category

Treatment - Drugs

3

Description

intervention group: formulated dill(Anethum graveolens) in a base of sesame oil. Dose: 2.5 gr، twice a day;topically; during a month

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
5azar Medical and Educational Center, Hemodialysis Department
Full name of responsible person
Mr.Kashiri
Street address
5azar Blvd., 5azar St.
City
Gorgan

2

Recruitment center
Name of recruitment center
Ghaem (as) hospital,Hemodialysis Department
Full name of responsible person
Mr.Zangane
Street address
Imam Reza(as) St.
City
Ali Abad katul

3

Recruitment center
Name of recruitment center
Shahid Motahari hospital
Full name of responsible person
Ayub Qezelsoflu
Street address
East Taleqani St.
City
Gonbad Qabus

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Shahed University
Full name of responsible person
Dr.Zahra Kiasalar(Vice President of Research)
Street address
First of Tehran_Qom free way, in front of Imam Khomeini(ra)'s holy shrine, Shahed University
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Shahed University
Proportion provided by this source
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

2

Sponsor
Name of organization / entity
Faculty of Nursing and Midwifery Shahed University
Full name of responsible person
Zeinab Shaki(student)
Street address
No. 6, Shahid Rahimzade Alley, Taleghani intersection valiasr (as), Faculty of Nursing and Midwifery Shahed University
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Faculty of Nursing and Midwifery Shahed University
Proportion provided by this source
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
Faculty of Nursing and Midwifery Shahed University
Full name of responsible person
Zeinab Shaki
Position
Critical Care Nursing Ms.c
Other areas of specialty/work
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Person responsible for scientific inquiries

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Position
Nursing Ph.D

Other areas of specialty/work

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Person responsible for updating data

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Position
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Other areas of specialty/work

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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