

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jul 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 patients'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

Sazar Medical and Educational Center, Hemodialysis Department

Full name of responsible person

Mr.Kashiri

Street address

Sazar Blvd., Sazar 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**Street address**

No. 6, Shahid Rahimzade Alley, Taleghani intersection valiasr (as), Faculty of Nursing and Midwifery Shahed University

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Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Faculty of Nursing and Midwifery Shahed University

Full name of responsible person

Dr.Mohammad Reza Heidary

Position

Nursing Ph.D

Other areas of specialty/work

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Person responsible for updating data

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Name of organization / entity

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Full name of responsible person

Zeinab Shaki

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