

# 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

+98 71 3647 4254

###### Email address

zahra.mehri@yums.ac.ir

##### 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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PHD in nursing

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## Person responsible for updating data

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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*