

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

05 Jun 2026

### Effect of topical coconut oil therapy for uremic pruritus in patients on hemodialysis

#### Protocol summary

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##### Summary

The aim of this study was to evaluate the topical effect of coconut oil on pruritus, compared with placebo, in patient on hemodialysis. This randomized clinical trial was performed on 100 patients on hemodialysis who had pruritus score above 3 and treatment with hemodialysis 3-5 hour, thrice in week. Allergy to coconut oil and access systematic disease and hospitalization was exclusion criteria from search (15 patient exclude of study). The patients were divided randomize into two groups, one groups received coconut oil 5 cc on local of body with itching and other groups placebo, twice a day for 4 weeks. Pruritus score were analyzed and compared in two groups at week 0,2,4.

##### Recruitment status

**Recruitment complete**

##### Funding source

investigator

##### Expected recruitment start date

2016-08-22, 1395/06/01

##### Expected recruitment end date

2016-10-21, 1395/07/30

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2017061034431N1**

Registration date: **2017-07-23, 1396/05/01**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-07-23, 1396/05/01

##### Registrant information

###### Name

banafsheh nezhadi

###### Name of organization / entity

shaheed beheshti university

###### Country

Iran (Islamic Republic of)

###### Phone

+98 22258992

###### Email address

##### Scientific title

Effect of topical coconut oil therapy for uremic pruritus in patients on hemodialysis

##### Public title

effect of coconut oil on treatment pruritus of hemodialysis patient

##### Purpose

Supportive

##### Inclusion/Exclusion criteria

inclusion criteria :age 18 until 65 -pruritus score up to 3 - without skin diseases and hepatic disease- no receipt of anti pruritus drug- dialysis efficiency up to 1/2 --use of polysulfan filter-- history of dialysis up to six month exclusion criteria: sensitive to coconut oil--systematic diseases ---admit to hospital

##### Age

From **18 years** old to **65 years** old

##### Gender

Both

##### Phase

N/A

##### Groups that have been masked

No information

### Sample size

Target sample size: 85

### Randomization (investigator's opinion)

Not randomized

### Randomization description

### Blinding (investigator's opinion)

Single blinded

### Blinding description

### Placebo

Used

### Assignment

Parallel

### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

ethic committee of shaheeh beheshti university

##### Street address

velengak

##### City

tehran

##### Postal code

#### Approval date

2016-06-21, 1395/04/01

#### Ethics committee reference number

IR-SBMU.RETECH.REC.1395.216

## Health conditions studied

### 1

#### Description of health condition studied

end stage renal disease on hemodialysis

#### ICD-10 code

18.5

#### ICD-10 code description

Chronic uraemiaEnd stage kidney disease:•in allograft failure

## Primary outcomes

### 1

#### Description

number of dialysis in a week

#### Timepoint

start of research

#### Method of measurement

demografic questionnaire

### 2

#### Description

duration of treatment with dialysis

#### Timepoint

start of research

#### Method of measurement

demografic questionnaire

### 3

#### Description

pruritus

#### Timepoint

start of research, after two and four week of intervention

#### Method of measurement

VAS scale(visual analoge scale)

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

massage 5cc coconut oil two time per day on local of body with itching, except fistula location for 4 weeks .

#### Category

Rehabilitation

### 2

#### Description

massage of 5 cc paraffin two time per day on local of body with itching for 4 weeks

#### Category

Placebo

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

shaheed taleganee hospital

##### Full name of responsible person

banafsheh nezhadi

##### Street address

##### City

Tehran

### 2

#### Recruitment center

##### Name of recruitment center

shohadae tagresh hospital

##### Full name of responsible person

banafsheh nezhadi

##### Street address

##### City

Tehran

## Sponsors / Funding sources

1

### Sponsor

**Name of organization / entity**

chancellor for reacherch of shaheed beheshti university

**Full name of responsible person**

Dr.ali zeae

**Street address**

shaheed beheshtee university

**City**

tehran

**Grant name**

**Grant code / Reference number**

**Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

chancellor for reacherch of shaheed beheshti university

**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**

shaheeh beheshti university

**Full name of responsible person**

banafsheh nezhadi

**Position**

master of science

**Other areas of specialty/work**

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mofid hospital

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## Person responsible for scientific inquiries

### Contact

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**Position**

Master of science student 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*