

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

nezhadi@sbmu.ac.ir

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 analogue 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

Street address

mofid hospital

City

TEHRAN

Postal code

Phone

+98 21 2225 8992

Fax

Email

b.nezhadi79@gmail.comnezhadi@sbmu.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

shaheeh beheshti university

Full name of responsible person

banafsheh nezhadi

Position

Master of science student in nursing

Other areas of specialty/work

Street address

mofid hospital

City

Tehran

Postal code

Phone

00892122258992

Fax

Email

nezhadi@sbmu.ac.irb.nezhadi79@gmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

shaheeh behashti university

Full name of responsible person

banafsheh nezhadi

Position

master of science

Other areas of specialty/work

Street address

mofid hospital

City

tehran

Postal code

Phone

+98 21 2225 8992

Fax

Email

b.nezhadi79@gmail.comnezhadi@sbmu.ac.ir

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