Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of Increased Dialysis Adequacy Measured by Kt/V index on Uremic Pruritus in Hemodialysis Patients of Imam Khomeini Hospital in 2012

Protocol summary

Summary

Aim: to study the effects of increased dialysis adequacy measured by Kt/V on uremic pruritus Inclusion Criteria: being on chronic hemodialysis for more than 3 months; presence of pruritus Exclusion criteria: any kind of allergic, dermatologic or hepatic disease which can be associated with pruritus. Statistical population: all the patients under hemodialysis in Imam Hospital Sample sizae: at least 6 patients Intervention: Increasing dialysis adequacy by increasing dialysis time or increasing the blood flow, or using dialysis membranes of hieghr efficiency or higher flux Intervention period: 12 weeks Primary outcome: change in the severity of pruritus measured by Visual Analogue Scale

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201111027973N1**
Registration date: **2012-02-16, 1390/11/27**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2012-02-16, 1390/11/27

Registrant information

Name

Seyed Mansour Gatmiri

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6119 2679

Email address

gatmiri@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Nephrology Research Center of Tehran University of Medical Sciences

Expected recruitment start date

2011-12-31, 1390/10/10

Expected recruitment end date

2012-07-02, 1391/04/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Increased Dialysis Adequacy Measured by Kt/V index on Uremic Pruritus in Hemodialysis Patients of Imam Khomeini Hospital in 2012

Public title

Effect of More Adequate Dialysis on Itching in Dialysis Patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:being on hemodialysis for more than 3 months; presence of pruritus Exclusion citeria: Any kind of active allergic, dermatologic or hepatic disease to which the pruritus can be attributable.

Age

From **17 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Nephrolrgy Research Center of Tehran University of Medical Sciences

Street address

Nephrology Research Center, Dialysis Ward, Imam Khomeini Hospital, End of Keshavarz Boulevard, Tehran, Iran

City

Tehran

Postal code

1419733141

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

90-03-14-13208-44796

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

Severity of Pruritus

Timepoint

at the end of the 12th week

Method of measurement

Using visual analogue scale and questionnaire

Secondary outcomes

1

Description

patients' quality of sleep

Timepoint

at the end of the 12th week

Method of measurement

Using questionnaire

Intervention groups

1

Description

Increasing Kt/V via increasing blood flow in access or using a higher efficiency membrane or using a higher flux membrane or increasing the time of dialysis.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Imam Khomeini Hospital

Full name of responsible person

Seyed Mansoor Gatmiri

Street address

Dialysis Ward, Imam Khomeini Hospital, End of Keshavarz Boulevard, Tehran, Iran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Nephrology Research Center of Teahran University of Medical Sciences

Full name of responsible person

Seyed Mansoor Gatmiri

Street address

Nephrology Research Center, Dialysis Ward, Imam Khomeini Hospital, End of Keshavarz Boulevard, Tehran, Iran

City

Tehran

Grant name

Grant code / Reference number

90-03-14-13208

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

Yes

Title of funding source

Nephrology Research Center of Teahran University of

Medical Sciences

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

Nephrology Research Center of Tehran University of Medical Sciences

Full name of responsible person

Seyed Mansoor Gatmiri

Position

Nephrologist

Other areas of specialty/work

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Full name of responsible person

Azin Mohebi Nejad

Position

General Practitioner

Other areas of specialty/work

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Email

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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