

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

The impact of cold dialysis fluid based on quality of life and health of anemia in hemodialysis patients.

Protocol summary

Summary

About the quality of life for hemodialysis patients in Iran have been many studies all indicate the quality of life in this group are low. But in terms of quality of life and ways of correcting anemia and low solution cost are sometimes offered. This study aimed to determine the impact on quality of life for hemodialysis liquid-based cooling and the health of anemia in hemodialysis patients are diagnosed with end stage renal disease. After selecting the samples, the patients were randomly assigned to two equal groups (n = 30) will be divided. The first group, 4 weeks with standard dialysis (37 ° C) and 4-week dialysis cold (35 ° C) and the second group, 4-week dialysis cold (35 ° C) and 4 weeks with standard dialysis (37 ° C) will be. Hemodialysis. The term quality of life in three stages before the first 4 weeks, 4 weeks after completion and finishing second four weeks using a 36-item Short questionnaire quality of life (SF-36) will be. The hemoglobin level will be measured in the same steps. To determine hemoglobin samples from hemodialysis machine venous line is.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015062722930N1**

Registration date: **2017-09-11, 1396/06/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-09-11, 1396/06/20

Registrant information

Name

Fatemeh Morady

Name of organization / entity

Zanjan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Zanjan University of Medical Sciences

Expected recruitment start date

2015-06-30, 1394/04/09

Expected recruitment end date

2015-09-20, 1394/06/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The impact of cold dialysis fluid based on quality of life and health of anemia in hemodialysis patients.

Public title

Cold hemodialysis effect on quality of life and anemia.

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria for the study included (Type of vascular access is a fistula; Round pump, type and UF filtration and hemodialysis devices Standard hemodialysis and cooled in two stages before and after the intervention to be fixed; Patients on hemodialysis three times a week and each session will be 4 hours; At least 6 months prior to their undergoing hemodialysis). Exclusion criteria were (Patients with acute physical and psychological

problems (such as divorce, death of a loved one, financial problems, create new chronic disease) only in one of the courses are standard hemodialysis or cold; Patients undergoing hemodialysis them for any reason (kidney transplantation, vascular access problem) is interrupted; Patients who are on dialysis due to acute kidney failure; dialysis patients regime change them for any reason; Patients who are treated for mental health problems; patients who are experiencing acute bleeding; blood transfusion patients who receive).

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Crossover

Other design features

Secondary Ids

1

Registry name

no

Secondary trial Id

no

Registration date

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Zanjan University of Medical Sciences

Street address

Zanjan. Azadi Square

City

Zanjan

Postal code

Approval date

2015-07-01, 1394/04/10

Ethics committee reference number

856

Health conditions studied

1

Description of health condition studied

ESRD

ICD-10 code

N18.5

ICD-10 code description

Chronic kidney disease, stage 5

Primary outcomes

1

Description

Quality of life

Timepoint

Baseline, The first 4 weeks after sampling, The second four weeks after sampling

Method of measurement

SF36

2

Description

Anemia

Timepoint

Baseline, the end of each week In the first 4 weeks and In the second 4 weeks After sampling

Method of measurement

cell count

Secondary outcomes

empty

Intervention groups

1

Description

Naturally hemodialysis fluids for dialysis patients is 37 ° C. The study used groups of 35 ° C. A cross-over study that temperature change (intervention) in the intervention group runs.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Zanjan Vali-asr Hospital

Full name of responsible person

Street address

Above Vali-Asr Square

City

Zanjan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zanjan University of Medical Sciences

Full name of responsible person

Fatemeh Morady

Street address

Zanjan, Town officials, School of Nursing and Midwifery

City

Zanjan,

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Zanjan 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

Zanjan University of Medical Sciences

Full name of responsible person

Fatemeh Moradi

Position

Master Sciences of Nursing/Faculty Member

Other areas of specialty/work

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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