Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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 thesecond 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

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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