Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of dialysis temporary catheter infection with or without ethanol lock

Protocol summary

Summary

The aim of this study is the comparison of catheter infection in temporary dialysis catheter with or without catheter lock by ethanol in renal failure patients. Inclusion criteria: Adult patient with renal failure needed dialysis with dialysis temporary catheter. Exclusion criteria: any Infection; inflammatory disease; neoplastic disease; patients treating with immunosuppressive agents. Participants are 60 adult patients with renal failure needed dialysis with temporary catheter, who are divided in to 2 groups. In control group for performing hemodialysis, 1 cc heparin (5000 u) used in jugular vein according to standard rules. In intervention arm, 1 cc heparin (5000 u) locked catheter and 2 cc ethanol 60% will use for hemodialysis. The number of dialysis is varied and depended on clinical situation. After one month catheter infection compare in two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201104272858N1**
Registration date: **2011-06-03, 1390/03/13**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2011-06-03, 1390/03/13

Registrant information

Name
Hamid Taieby Khosroshahy
Name of organization / entity
Tabriz University of Medical Sciences
Country
Iran (Islamic Republic of)
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+98 41 1337 3966
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khosroshahyh@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source
Tabriz University Of Medical Sciences

Expected recruitment start date

2009-09-23, 1388/07/01

Expected recruitment end date

2010-09-23, 1389/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of dialysis temporary catheter infection with or without ethanol lock

Public title

Effect of ethanol lock in prevention of dialysis catheter infection

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Adult patient with renal failure needed to dialysis with dialysis temporary catheter Exclusion criteria: infection; inflammatory disease;neoplastic disease;immunosuppressive treating patients

Age

From **15 years** old to **100 years** old

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
Other
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Medical faculty,Tabriz University of medical sciences
Street address
Daneshgah Ave.East Azerbaijan province
City
Tabriz
Postal code
5166614756
Approval date
2010-11-27, 1389/09/06
Ethics committee reference number
5/4/6874

Health conditions studied

1

Description of health condition studied
Catheter infection
ICD-10 code
T82.4
ICD-10 code description
Mechanical complication of vascular dialysis catheter

Primary outcomes

1

Description
Dialysis temporary catheter infection
Timepoint
In one month period after each dialysis if fever and chills develops and takes from blood and catheter fluid culture
Method of measurement
Blood culture,catheter aspirated fluid culture

Secondary outcomes

1

Description
Fever and chills
Timepoint
In one month period after each dialysis if fever and chills develops and takes from blood and catheter fluid culture
Method of measurement
Body temperature above 37.6 (with Thermometer)

Intervention groups

1

Description
Heparin (5000 U) 1cc And Ethanol (60%) 2cc; Variable dialysis times in one month period; Catheter locking after each time of dialysis
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Emam Reza hospital
Full name of responsible person
Dr.hamid tayebi khosroshahy
Street address
Emam Reza hospital,daneshgah ave.Tabriz,Province east Azerbaijan
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz university of medical sciences
Full name of responsible person
Dr.hamid tayebi khosroshahy
Street address
Emam Reza hospital,Daneshgah ave.
City
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tabriz 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

Tabriz university of medical sciences

Full name of responsible person

Dr.hamid tayebi khosroshahy

Position

Internal medicine specialist/nephrology sub specialist/Chief of nephrology ward of Emam reza hospita

Other areas of specialty/work

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Full name of responsible person

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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