

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

05 Jul 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)

##### Phone

+98 41 1337 3966

##### Email address

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

Tabriz

#### 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**

**Street address**

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**Full name of responsible person**

Dr.Hamid tayeby khosroshahy

**Position**

Internal medicine specialist-nephrology sub specialist

**Other areas of specialty/work**

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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*