

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Sep 2026

The effectiveness and non effectiveness of Taurolock on central venous catheter infection in dialysis patients

Protocol summary

Summary

This study will be conducted with aim to survey the effectiveness of Taurolock on central venous catheter infection in dialysis patients. This study is a single blind clinical trial in 1-2 phase. The study population will be consisted of hemodialysis patients referred to Imam Khomeini and Imam Reza hospital in Kermanshah city that 60 persons will selected in available method and randomly will be assigned to two experimental and control groups. In the experimental group Taurolock in half the usual dose with heparin in catheters Locke Lines is given at the end of each dialysis session. Dialysis patients in the control group will not receive Taurolock. Baseline, Once every three months, and end of the study, the incidence of infection is checked. With signs of infection attributed bacteremia, two blood cultures taken from the Permi - Ket and in case of positive blood cultures, the effect of Taurolock on central venous catheter infection in dialysis patients is confirmed. Inclusion criteria: patients undergoing chronic hemodialysis through Permi - Ket; written consent of the patient. Exclusion criteria: IV Drug Abuse; Change the dialysis of Permi - Ket to the AVF; Having a history of surgery

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016020221066N2**
Registration date: **2016-04-18, 1395/01/30**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-04-18, 1395/01/30

Registrant information

Name

Sima Golmohammadi

Name of organization / entity

Kermanshah University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

Expected recruitment start date

2016-04-13, 1395/01/25

Expected recruitment end date

2017-04-14, 1396/01/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effectiveness and non effectiveness of Taurolock on central venous catheter infection in dialysis patients

Public title

Survey the effect of Taurolock on central venous catheter infection in dialysis patients.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients undergoing chronic hemodialysis through Permi - Ket; written consent of the patient. Exclusion criteria: IV Drug Abuse; Change the

dialysis of Permi – Ket to the AVF; Having a history of surgery

Age

From **15 years** old to **80 years** old

Gender

Both

Phase

1-2

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

Parallel

Other design features

Randomly by tossing coin

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Kermanshah University of Medical Sciences

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

City

Kermanshah

Postal code

Approval date

2015-11-24, 1394/09/03

Ethics committee reference number

kums.rec.1394.200

Health conditions studied

1

Description of health condition studied

End stage kidney disease

ICD-10 code

N18.5

ICD-10 code description

End stage kidney disease

Primary outcomes

1

Description

Infection

Timepoint

Baseline, Once every three months, end of the study

Method of measurement

In the laboratory by blood cultures

Secondary outcomes

empty

Intervention groups

1

Description

In the experimental group Taurolock(made in germany) in half the usual dose with heparin in catheters Locke Lines is given at the end of each dialysis session.

Category

Treatment - Drugs

2

Description

In the control group dialysis patients will not receive Taurolock.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Reza Hospital

Full name of responsible person

Dr. Elaheh Sharifi

Street address

Emam Reza Hospital, Parastar Boulevard

City

Kermanshah

2

Recruitment center

Name of recruitment center

Emam Khomeyni Hospital

Full name of responsible person

Dr. Elaheh Sharifi

Street address

Emam Khomeyni Hospital, Naghliyah Street

City

Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kermanshah University of Medical Sciences

Full name of responsible person

Koroush Hamzehee

Street address

Vice Chancellor for Research Affairs, Esfahan University of Medical Sciences, Street of Hezarjarib

City

Kermanshah

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice chancellor for research, Kermanshah 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**

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Full name of responsible person

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Subspecialty of nephrology

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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