Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 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
Iran (Islamic Republic of)
Phone
+98 83 3839 7545
Email address
s.golmohammadi@kums.ac.ir

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, Naghliyeh 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
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Elaheh Sharifi
Position
Internal Assistant
Other areas of specialty/work
Street address
Emam Reza Hospital, Parastar Boulevard
City
Kermanshah
Postal code
Phone
+98 83 3427 6301
Fax
Email
Eesharifi1348@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Sima Golmohammadi
Position
Subspecialty of nephrology
Other areas of specialty/work
Street address
Emam Reza Hospital, Parastar Boulevard
City
Kermanshah
Postal code
Phone
+98 83 3427 6301
Fax
Email
s.golmohammadi@KUMS.AC.IR
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Kermanshah University of Medical Sciences
Full name of responsible person
Dr. Elaheh Sharifi
Position
Internal Assistant
Other areas of specialty/work
Street address
Emam Reza Hospital, Parastar Boulevard
City
Kermanshah
Postal code
Phone
+98 83 3427 6301
Fax
Email
Eesharifi1348@yahoo.com
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