Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison between effects of Teicoplanin versus Vancomycin in treatment of catheter infection in hemodialysis patients

Protocol summary

Summary

Objective: comparison of efficacy of Vancomycin and Teicoplanin in treatment of catheter related infection. Study population: 43 Hemodialysis patients with fever. Inclusion criteria:patients with clinical suspicious of catheter infection after roll out of other causes of fever. Exclusion criteria:patients who had purulent discharge from catheter site at the beginning of study. Intervention: 22 patients received Teicoplanin 800mg intra venues as loading dose and 400mg at 2th,3th,5th,12th,19th days and 21 patients received Vancomycin 1gr intra venues as loading dose and 500mg each 5 days for 3 weeks. Criteria for Treatment response was absence of fever after 72 hours.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138903234144N2**
Registration date: **2010-06-13, 1389/03/23**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-06-13, 1389/03/23

Registrant information

Name

Maliheh Yarmohamadi

Name of organization / entity

Semnan university of medical sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

Semnan university of medical sciences

Expected recruitment start date

2009-05-22, 1388/03/01

Expected recruitment end date

2010-03-19, 1388/12/28

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison between effects of Teicoplanin versus Vancomycin in treatment of catheter infection in hemodialysis patients

Public title

Comparison between effects of Teicoplanin versus Vancomycin in treatment of catheter infection in hemodialysis patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with clinical suspicious of catheter infection after roll out of other causes of fever.
Exclusion criteria: patients who had purulent discharge from catheter site at the beginning of study.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size
Target sample size: **43**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Semnan university of medical sciences

Street address
5th kilometer of Damghan-Semnan road

City
Semnan

Postal code

Approval date
2009-05-18, 1388/02/28

Ethics committee reference number
1643/Ī

Health conditions studied

1

Description of health condition studied
hemodialysis patients who had catheter infection

ICD-10 code
A00-B99

ICD-10 code description
Other infectious diseases

Primary outcomes

1

Description
absence of fever after 72 hours

Timepoint
24 hours

Method of measurement
thermometer

Secondary outcomes

1

Description
drug adverse effect

Timepoint
24 hours

Method of measurement
patient's complain and physical exam

Intervention groups

1

Description
Teicoplanin: 800mg intra venues as loading dose and 400mg at 2th,3th,5th,12th,19th days

Category
Treatment - Drugs

2

Description
Vancomycin: 1gr intra venues as loading dose and 500mg each 5 days for 3 weeks

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Fatemiyeh hospital

Full name of responsible person
Maliheh Yarmohamadi

Street address
Fatemiyeh hospital, 17 shahrivar Blv

City
Semnan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Semnan university of medical sciences

Full name of responsible person
Dr Mohamad Faranoush

Street address
central office of Semnan university of medical sciences, Basij blv

City
Semnan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Semnan 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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Person responsible for scientific inquiries

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Person responsible for updating data

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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