

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jul 2026

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

Protocol summary

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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.

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

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

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

Fatemiye hospital

Full name of responsible person

Maliheh Yarmohamadi

Street address

Fatemiye 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**

Semnan university of medical sciences

Full name of responsible person

Dr Maliheh Yarmohamadi

Position

Internal resident

Other areas of specialty/work**Street address**

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Web page address**Person responsible for updating data****Contact****Name of organization / entity**

Semnan university of medical sciences

Full name of responsible person

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Position

Internal resident

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Semnan university of medical sciences

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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*