

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

A comparison of therapeutic effects of teicoplanin versus vancomycin in patients admitted to the Intensive Care Unit after cardiac surgery because of MRSA infectious endocarditis in Masih Daneshvari hospital between years 2012-2016

Protocol summary

Summary

This study intends to investigate the therapeutic effects of two drugs Vancomycin and Teicoplanin in clinical trial in patients hospitalized in intensive care after surgery for endocarditis infections caused by strains of methicillin-resistant Staphylococcus aureus. This study was done on 46 operated patient by surgery complications in infective endocarditis caused by strains of methicillin-resistant Staphylococcus aureus organisms. Patients with Prohibition of use for each of these two drugs were excluded from the study. This study was conducted as a double blind study which neither the patients, the experimenter were not aware of type of intervention. Randomized block design was used to random allocation of patients to two groups. Teicoplanin was used by intravenous and intramuscular injection and single dose daily. Initial Vancomycin dose was 1500 mg every 12 hours until serum concentration monitoring indicates the need for higher dosing. After two months Culture and isolation was compared in tow groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016022220592N4**

Registration date: **2016-06-21, 1395/04/01**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-06-21, 1395/04/01

Registrant information

Name

Seyed Mohammad Reza Hashemian

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2610 9944

Email address

iran.criticalcare@yahoo.com

Recruitment status

Recruitment complete

Funding source

Shahid Beheshti University of Medical Sciences

Expected recruitment start date

2012-08-30, 1391/06/09

Expected recruitment end date

2016-08-30, 1395/06/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A comparison of therapeutic effects of teicoplanin versus vancomycin in patients admitted to the Intensive Care Unit after cardiac surgery because of MRSA infectious endocarditis in Masih Daneshvari hospital between years 2012-2016

Public title

A comparison of therapeutic effects of teicoplanin versus vancomycin in patients admitted to the Intensive Care Unit after cardiac surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Exclusion criteria: Prohibition of use for each of the two drugs
Inclusion Criteria: Surgery complications in infective endocarditis caused by organisms

Age

No age limit

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: 46

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shahid Beheshti University of Medical Sciences

Street address

Yemen Street, Shahid Chamran Highway, Shahid Beheshti University of Medical Sciences, Tehran, Iran

City

Tehran

Postal code

Approval date

2014-09-23, 1393/07/01

Ethics committee reference number

SBMU.REC.1393.69

Health conditions studied

1

Description of health condition studied

Endocarditis

ICD-10 code

I33.9

ICD-10 code description

Acute endocarditis, unspecified

Primary outcomes

1

Description

Culture and isolation

Timepoint

at the start of the study and after 2 months

Method of measurement

observation

Secondary outcomes

empty

Intervention groups

1

Description

Intervention : Teicoplanin, Teicoplanin was used by intravenous and intramuscular injection and single dose daily.

Category

Treatment - Drugs

2

Description

Control: Vancomycin, Initial Vancomycin dose was 1500 mg every 12 hours until serum concentration monitoring indicates the need for higher dosing.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Masih Daneshvari Hospital

Full name of responsible person

Seyed Mohammadreza Hashemian

Street address

Masih Daneshvari Hospital, Darabad Street Shaheed Bahonar Avenue Tehran

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Shahid Beheshti University of Medical Sciences

Full name of responsible person

Hamidreza Jamati

Street address

Shahid Beheshti University of Medical Sciences, Tabnak Street, Shahid Chamran Highway, Tehran,

Iran
City
 Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
 Yes
Title of funding source
 Shahid Beheshti 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
 Masih Daneshvari Hospital
Full name of responsible person
 Seyed Mohammad reza Hashemian
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 Associate Professor
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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