# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

16 Sep 2026

## Comparison of the effect of oral cotrimoxazole and topical intranasal mupirucin on staphylococcus aureus colonization in hemodialysis patients: A clinical trial

## Protocol summary

**Summary**

The aim of this study is to compare of the effect of oral cotrimoxazole and topical intranasal mupirucin on staphylococcus aureus colonization in hemodialysis patients. Study design: After explaining the purpose of the study and obtaining the informed consent, patients will be randomly allocated into A and B groups. Randomization will be performed using random block sizes of 4. The study is randomized, single-center, phase 3 trial. Inclusion criteria : Hemodialysis patients carriers of staphylococcus. Exclusion criteria:Patients death; patients migration. Sample size:23 patients. The intervention used in the study: Oral cotrimoxazole 400 mg twice daily for 7 days. Primary outcomes: Bacterial decolonization

## General information

**Acronym**

**IRCT registration information**

IRCT registration number: **IRCT2016122331527N1**
Registration date: **2017-02-17, 1395/11/29**
Registration timing: **prospective**

Last update:
Update count: **0**

**Registration date**

2017-02-17, 1395/11/29

**Registrant information**

**Name**

Ehsan Binesh

**Name of organization / entity**

Shahroud University of Medical Sciences

**Country**

Iran (Islamic Republic of)

**Phone**

+98 23233390433

**Email address**

binesh@shmu.ac.ir

**Recruitment status**

**Recruitment complete**

**Funding source**

Deputy of research, Shahroud University of Medical Sciences

**Expected recruitment start date**

2017-02-19, 1395/12/01

**Expected recruitment end date**

2018-02-20, 1396/12/01

**Actual recruitment start date**

empty

**Actual recruitment end date**

empty

**Trial completion date**

empty

**Scientific title**

Comparison of the effect of oral cotrimoxazole and topical intranasal mupirucin on staphylococcus aureus colonization in hemodialysis patients: A clinical trial

**Public title**

The effect of oral cotrimoxazole and topical intranasal mupirucin on staphylococcus aureus colonization in hemodialysis patients

**Purpose**

Treatment

**Inclusion/Exclusion criteria**

Inclusion criteria : Hemodialysis patients carriers of staphylococcus. Exclusion criteria:Patients death; patients migration

**Age**

No age limit

**Gender**

Both

**Phase**
3
**Groups that have been masked**
*No information*
**Sample size**
Target sample size: **23**
**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**
Ethics committee, Vice chancellor for research, Shahroud University of Medical Sciences
**Street address**
Ethics committee, Vice chancellor for research, Shahroud University of Medical Sciences, 7th of Tir square
**City**
Shahroud
**Postal code**
3613773955
**Approval date**
2015-09-29, 1394/07/07
**Ethics committee reference number**
IR.SHMU.REC.1394.117

## Health conditions studied

**1**

**Description of health condition studied**
Hemodialysis patients
**ICD-10 code**
Z49.1
**ICD-10 code description**
Extracorporeal dialysis

## Primary outcomes

**1**

**Description**
Bacterial decolonization
**Timepoint**
1,4 and 12 weeks after treatment
**Method of measurement**
Bacterial culture

## Secondary outcomes

empty

## Intervention groups

**1**

**Description**
Intevention group: Oral cotrimoxazole 400 mg twice daily for 7 days
**Category**
Treatment - Drugs

**2**

**Description**
Control group: Topical mupirocin 2% twice daily for 5 days
**Category**
Treatment - Drugs

## Recruitment centers

**1**

**Recruitment center**
**Name of recruitment center**
Imam hossein hospital
**Full name of responsible person**
Dr Ehsan Binesh
**Street address**
Imam Hossein Hospital, End of Ayatollah Towhidi avenue, Shahroud
**City**
Shahroud

## Sponsors / Funding sources

**1**

**Sponsor**
**Name of organization / entity**
Deputy of research, Shahroud University of Medical Sciences
**Full name of responsible person**
Mohammad hasan Emamian
**Street address**
Deputy of research, Shahroud University of Medical Sciences, 7th of Tir square, Shahroud
**City**
Shahroud
**Grant name**
**Grant code / Reference number**
**Is the source of funding the same sponsor organization/entity?**
Yes
**Title of funding source**
Deputy of research, Shahroud 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**

Imam Hossein Hospital, Shahroud University of Medical Sciences

**Full name of responsible person**

Mojgan Taleb

**Position**

Physician

**Other areas of specialty/work**

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**Web page address**

## Person responsible for scientific inquiries

**Contact**

**Name of organization / entity**

Imam Hossein Hospital, Shahroud University of Medical Sciences

**Full name of responsible person**

Dr Ehsan Binesh

**Position**

Infectious disease specialist

**Other areas of specialty/work**

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**Web page address**

## Person responsible for updating data

**Contact**

**Name of organization / entity**

Imam Hossein Hospital, Shahroud University of Medical Sciences

**Full name of responsible person**

Dr Ehsan Binesh

**Position**

Infectious disease specialist

**Other areas of specialty/work**

**Street address**

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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*