

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jul 2026

Study of the Mupirocin effect on Nasal Staph aureus decolonization and prevention of Intensive Care Unit infection: A Clinical Trial

Protocol summary

Summary

The aim of this study is study of Mupirocin effect on Nasal Staph aureus decolonization and prevention of Intensive Care Unit infection, by Nasal aureus .In this, Randomized Clinical Trail, Nasal swab will be taken from nose of all patients have been admitted to Intensive Care Unit ward within 48 hours after admission. The swab microbiologically investigate for the presence of S.aureus. Based on the result of nasal swabs patients will be divided to three groups: First, those patients whom are negative for S.aureus. This group will be followed up during the time of hospitalization. Secondly, those whom are positive for S.aureus, will be decolonized with Mupirocin2% made in Caspian company twice in day (each 12 hours) during 5 days and then will be checked three days after treatment. Third, those patients whom are positive for S.aureus but do not need any intervention. Inclusion criteria 16 years and more, All Patients have been admitted to Intensive Care Unit ward. Exclusion criteria: No complete treatment

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013110915327N1**

Registration date: **2014-01-31, 1392/11/11**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-01-31, 1392/11/11

Registrant information

Name

Farzaneh Jahani

Name of organization / entity

Arak University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

jahani@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice Chancellor for Research, Arak University Of Medical Sciences

Expected recruitment start date

2013-11-26, 1392/09/05

Expected recruitment end date

2014-07-27, 1393/05/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study of the Mupirocin effect on Nasal Staph aureus decolonization and prevention of Intensive Care Unit infection: A Clinical Trial

Public title

Study of the Mupirocin effect on Nasal Staph aureus decolonization and prevention of Intensive Care Unit infection: A Clinical Trial

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients admitted to Intensive Care Unit ; Age 16 years and more. Exclusion criteria: incomplete treatment period

Age

From **16 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **170**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Randomization has been done by Block Random Sampling

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Arak University Of Medical Sciences

Street address

Payambar Azam University Complex, Basij Sq, Sardasht, Arak

City

Arak

Postal code**Approval date**

2013-10-28, 1392/08/06

Ethics committee reference number

6-153-92

Health conditions studied**1****Description of health condition studied**

Nosocomial Infection with staphylococcus aureus

ICD-10 code

A49.0-

ICD-10 code description

Staphylococcal infection, unspecified site

Primary outcomes**1****Description**

Nasal carrierity

Timepoint

48 hours after admission

Method of measurement

Positive Culture

2**Description**

Staphylococcus aureus infection

Timepoint

During the time of hospitalization and 10 days after discharge

Method of measurement

Positive Culture

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: persons who have positive cultivation using mupirocin2% made in Caspian company twice in day (each 12 hours) during 5 days

Category

Treatment - Drugs

2**Description**

Control group1: Persons who have negative cultivation and are followed up

Category

N/A

3**Description**

Control group 2: Persons who have positive cultivation but don't get any treatment and are followed up

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Valie Asr Educational Hospital

Full name of responsible person

Dr. Zeynab Saeedinejad

Street address

Second floor, Infection ward, Valie Asr Educational Hospital, Valie Asr Sq, Arak

City

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2

Recruitment center

Name of recruitment center

AmirAl Momenin Educational Hospital

Full name of responsible person

Dr. Zeynab Saeedinejad

Street address

Second floor, Infection Ward, AmirAl Momenin Educational Hospital, Basij Sq, Sardasht, Arak

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Arak University Of Medical Sciences

Full name of responsible person

Dr. Saeed Changizi Ashtiani

Street address

Second floor, Vice Chancellor for research, Basij Sq, Sardasht, Arak

City

Arak

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 of Arak 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**

Arak University Of Medical Sciences

Full name of responsible person

Dr.Zeynab Saeedinejad

Position

Resident of Infection Diseases

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

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Position

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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