Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 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 mupirosin2% 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 Hospitall, Valie Asr Sq, Arak
City
Arak

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
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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

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Person responsible for scientific inquiries

Contact

Name of organization / entity
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Full name of responsible person
Dr Ehsan Alah Ghaznavi Rad

Position
PhD in Microbiology

Other areas of specialty/work

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Third floor, Microbiology Group, PayambareAzam University Complex, Basij Sq, Sardasht, Arak

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Person responsible for updating data

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Position
Bachelor of Science

Other areas of specialty/work

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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