Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Nov 2026

The efficacy of diagnosis and MRSA carriers therapy in the prevention of nosocomial infection in ICU department of 5th Azar Gorgan Hospital

Protocol summary

Summary

Purpose: the frequency of MRSA carriers before and after treatment in the ICU at 5th Azar Hospital, Gorgan, Iran. Design: during the first 3 months of infection caused by MRSA strains in the ICU of the hospital will be determined when all the cultures after 48 hours of hospitalization in the ICU occur. As the nosocomial infections are recorded. During this term the prevalence of methicillin resistance in Staphylococcus is determined using two methods and PCR sensitivity cefoxitin is evaluated and recorded. Three months after the end of the second stage begins. The first stage for all personnel the venice patients who from the date the part are imported. Staphylococcus aureus cultured from the nose to investigate if the person is a carrier and can be is treated with mupirocin or similar drugs. Staphylococcus aureus culture-positive All items registration for 6 months from the date of samples positive for methicillin resistance are examined. MRSA results in the comparable period of 3 months and checked by statistical tests to distinguish if whether this intervention to prevent could from incidence MRSA. Participants: personnel and patients admitted ICU ward. Intervention: mupirocin ointment. The main outcome variables: the bacteria Staphylococcus aureus, mupirocin, age, sex, type of infection, the site of infection.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014102519666N1**
Registration date: **2014-12-19, 1393/09/28**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2014-12-19, 1393/09/28

Registrant information

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Name of organization / entity
Gorgan University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Golestan University of Medical Sciences, Research

Expected recruitment start date

2014-05-22, 1393/03/01

Expected recruitment end date

2014-08-22, 1393/05/31

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The efficacy of diagnosis and MRSA carriers therapy in the prevention of nosocomial infection in ICU department of 5th Azar Gorgan Hospital

Public title

Performance eradication of Staphylococcus aureus with mupirocin in nasal personnel ICU ward.

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: patients suffering from hospital

infection with MRSA Staphylococcus aureus infection. Exclusion criteria: patients with kidney disease; dialysis; pregnancy and also sensitivity to drug.

Age
No age limit

Gender
Both

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **240**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Golestan University of Medical Sciences

Street address
Golestan University of Medical Sciences, 3rd km of Sari- Gorgan Road

City
Gorgan

Postal code

Approval date
2014-05-06, 1393/02/16

Ethics committee reference number
35/658049

Health conditions studied

1

Description of health condition studied
Staphylococcus aureus infection

ICD-10 code
B95.6

ICD-10 code description
Staphylococcus aureus as the cause of diseases classified to other chapters

Primary outcomes

1

Description
Staphylococcus aureus

Timepoint
3 month before and 3 month after intervention.

Method of measurement
one coloni in culture & PCR

Secondary outcomes

empty

Intervention groups

1

Description
mupirocin pomade 2% in nasal 2 times in day for 5 days

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Gorgan 5th Azar Hospital

Full name of responsible person
Abolfazl KHandan del , MSc Microbiology

Street address
5th Azar Hospital

City
Gorgan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice Chancellor for Research and Technology, Golestan University of Medical Sciences

Full name of responsible person
Dr. Masoud Khoshnia

Street address
Golestan University of Medical Sciences-esearch and Technology

City
Gorgan

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 and Technology, Golestan 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
Golestan University of Medical Sciences

Full name of responsible person
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Position
MSc in Microbiology

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