Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Effect of % 2 mupirocin intranasal ointment before and during nasotracheal intubation on decreasing its complications in oral and maxillofacial surgery

Protocol summary

Summary

The aim of this study is to evaluate the effect of % 2 mupirocin intranasal ointment before and during nasotracheal intubation on decreasing its complications in oral and maxillofacial surgery. Fifty four patients who are candidate for maxillofacial surgery will be selected randomly and after providing written consent form, will be randomly divided into the two groups with Randlist software. The Study group will apply 2% mupirocin, while control group won't apply. Finally, two groups will be compared and analyzed with extent of complications in different times. The researcher will be blind to the study(single blind). Inclusion criteria: All patients who are going to have maxillofacial surgery. Exclusion criteria: contraindications of nasotracheal intubation, Chronic sinusitis, upper airway infections, allergy to mupirocin. Outcomes of the study: Endotracheal nasal tube bacterial load, nasal congestion, facilitate breathing through the nose and Ease of extubation that are evaluated by observational scale.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016102122951N2**
Registration date: **2016-12-18, 1395/09/28**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2016-12-18, 1395/09/28

Registrant information

Name

milad Ghanizadeh

Name of organization / entity

Tabriz University of Medical Sciences

Country

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Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2016-03-24, 1395/01/05

Expected recruitment end date

2016-12-20, 1395/09/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of % 2 mupirocin intranasal ointment before and during nasotracheal intubation on decreasing its complications in oral and maxillofacial surgery

Public title

Management of nasotrancheal intubation complications

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: All patients who are going to have maxillofacial surgery and nasotracheal intubation; age from 20 to 60 years Exclusion criteria: contraindications of nasotracheal intubation; nasal polyps; Chronic sinusitis; upper airway infections; allergy to mupirocin;

pregnancy and lactation.

Age

From **20 years** old to **60 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **44**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single 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 of Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences, Golgasht Avenue, Azadi Street,Tabriz

City

Tabriz

Postal code

Approval date

2016-02-15, 1394/11/26

Ethics committee reference number

IR.TBZMED.REC.1394.20

Health conditions studied

1

Description of health condition studied

Endotracheal nasal tube bacterial load

ICD-10 code

J60-J70

ICD-10 code description

Lung diseases due to external agents

Primary outcomes

1

Description

Endotracheal nasal tube bacterial load

Timepoint

after surgery

Method of measurement

Microbial culture

2

Description

nasal congestion

Timepoint

0, 2, 4, 6, 12 hours After anesthesia

Method of measurement

questionnaire

3

Description

facilitate breathing through the nose

Timepoint

0, 2, 4, 6, 12 hours After anesthesia

Method of measurement

questionnaire

4

Description

Ease of extubation

Timepoint

After anesthesia

Method of measurement

check list

Secondary outcomes

empty

Intervention groups

1

Description

8 hours before and during nasoracheal intubation, nasal ointment of 2 % mupirocin will apply.

Category

Prevention

2

Description

In the control group, this ointment not be used.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Tabriz University of Medical Sciences
Full name of responsible person
Street address
City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research deputy of Tabriz University of Medical Sciences
Full name of responsible person
DR. Korosh Taheri Talesh
Street address
Research deputy of Tabriz University of Medical Sciences, Golgasht Avenue, Azadi Street,Tabriz
City
Tabriz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research deputy of Tabriz 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
Tabriz University of Medical Sciences
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DR. Monire Roshandel
Position
Resident of oral and maxillofacial surgery
Other areas of specialty/work
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Person responsible for updating data

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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