Clinical Trial Protocol
Iranian Registry of Clinical Trials

10 Jun 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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+98 41 3335 5921

Email address

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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

Full name of responsible person

DR. Monire Roshandel

Position

Resident of oral and maxillofacial surgery

Other areas of specialty/work

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Person responsible for scientific inquiries

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Position

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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