Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Investigation the effectiveness of using topical clindamycin nanoparticles gel in the prevention of alveolar osteitis

Protocol summary

Summary

This study will be done with aim to investigate the effectiveness of using topical clindamycin nanoparticles gel in the prevention of alveolar osteitis. This study is a double blind clinical trial. The study population will be consisted of patients referred to oral and maxillofacial surgery of Dental School of Kermanshah. 302 patients randomly will be selected and will be divided into control and experimental groups. Baseline alveolar osteitis incidence rates in both groups will be measured. Then in the experimental group after pulling teeth, treatment with clindamycin gel tube will be done. In the control group routine treatment includes treatment with gel tube without antibiotics will be done. In the third and seventh days after pulling teeth incidence and no incidence rates of alveolar osteitis in both groups will be compared. Inclusion criteria: Patients needing tooth extractions; Age between 18 and 68 Exclusion criteria: Hypersensitivity to clindamycin; Antibiotic therapy within the past three months.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017021214333N67**
Registration date: **2017-04-08, 1396/01/19**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-04-08, 1396/01/19

Registrant information

Name
Feizollah Foroughi
Name of organization / entity
kermanshah University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2017-02-28, 1395/12/10

Expected recruitment end date

2017-09-01, 1396/06/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation the effectiveness of using topical clindamycin nanoparticles gel in the prevention of alveolar osteitis

Public title

Evaluation of the effect of topical clindamycin in prevention of alveolar osteitis

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Patients needing tooth extractions; Age between 18 and 64 Exclusion criteria: Hypersensitivity to clindamycin; Antibiotic therapy within the past three months.

Age

From **18 years** old

Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **300**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Double blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Randomly by tossing coin

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Kermanshah University of Medical Sciences
Street address
Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences
City
Kermanshah
Postal code
Approval date
2016-12-14, 1395/09/24
Ethics committee reference number
kums.rec.1395.534

Health conditions studied

1

Description of health condition studied
Dry socket
ICD-10 code
k10.3
ICD-10 code description
Alveolitis of jaws

Primary outcomes

1

Description
Alveolar osteitis incidence
Timepoint
Baseline, third and seventh days after tooth extraction
Method of measurement
Based on the observation by doctor

Secondary outcomes

empty

Intervention groups

1

Description
in the Intervention group treatment with clindamycin gel tube will be done
Category
Treatment - Drugs

2

Description
In the control group routine treatment includes treatment with gel tube without antibiotics will be done
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
School of dentistry
Full name of responsible person
Saeed Niazi
Street address
School of dentistry, Shariati Street
City
Kermanshah

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Kermanshah University of Medical Sciences
Full name of responsible person
Koroush Hamzehee
Street address
Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences
City
Kermanshah
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, Kermanshah 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

Kermanshah University of Medical Sciences

Full name of responsible person

Saeed Niazi

Position

Student of dentistry

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Person responsible for scientific inquiries

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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