

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 Jul 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

Country

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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

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Kermanshah

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research, Kermanshah University
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Full name of responsible person

Korosh Hamzehee

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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, 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

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Name of organization / entity
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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