

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Evaluation of the effects of the lower third molar surgery with use of demineralized bone powder on the periodontal indexes on the surface of the second lower molar

Protocol summary

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Summary

Purpose: The effect of using allograft on prevention of periodontal defects after impacted lower third molar surgery. Inclusion criteria: was the lower third molar impaction; presence of second lower molar; no systemic diseases for surgery; age between 20-32 years. Exclusion criteria: no was the lower third molar impaction and lower second molar; was a systemic diseases; no age between 20-32 years. total sample: 16 patients that were referred to the OMFS department of Isfahan University. Intervention: using d.b.p on experimental site post extraction and after 12 weeks evaluation of effects of d.b.p on site

Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2011-04-09, 1390/01/20

Expected recruitment end date

2011-11-21, 1390/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201203047949N2**

Registration date: **2012-03-14, 1390/12/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-03-14, 1390/12/24

Registrant information

Name

Daryosh Hasheminia

Name of organization / entity

Isfahan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 31 1792 2882

Email address

Scientific title

Evaluation of the effects of the lower third molar surgery with use of demineralized bone powder on the periodontal indexes on the surface of the second lower molar

Public title

The effect of using allograft on prevention of periodontal defects after impacted lower third molar surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: was the lower third molar impaction; presence of second lower molar; no systemic diseases for surgery; age between 20-32 years. Exclusion criteria: no was the lower third molar impaction and lower second molar; was a systemic diseases; no age between 20-32 years.

Age

From **20 years** old to **32 years** old

Gender

Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: 16

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
Isfahan University of Medical Sciences

Street address
Hezar jarib Street.

City
Isfahan

Postal code

Approval date
2011-03-06, 1389/12/15

Ethics committee reference number
390052

Health conditions studied

1

Description of health condition studied
impacted wisdom teeth

ICD-10 code
K01-1

ICD-10 code description
impacted teeth

Primary outcomes

1

Description
Clinical attachment level

Timepoint
before surgery and 12 weeks after surgery

Method of measurement
periodontal probe

2

Description
Probing depths

Timepoint
before surgery and 12 weeks after surgery

Method of measurement
periodontal probe

Secondary outcomes

1

Description
bone regeneration

Timepoint
12 weeks after surgery

Method of measurement
radiography

Intervention groups

1

Description
Prevention in case group: using the demineralized bone powder in site after extraction teeth

Category
Prevention

2

Description
In control group no intervention

Category
Diagnosis

Recruitment centers

1

Recruitment center

Name of recruitment center
Department Of Oral maxillofacial Surgery

Full name of responsible person
Department of Surgery

Street address
Isfahan Dental school

City
Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
University of Medical Sciences

Full name of responsible person
Mr. Tavangar

Street address
Dental school

City
Isfahan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
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
University of Medical Sciences

Full name of responsible person
Dr. D. hasheheminia

Position
Surgen

Other areas of specialty/work

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Contact

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Dr.Hasheminia

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Web page address

Person responsible for updating data

Contact

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