

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

Compare of influence different two suture techniques on periodontal health of the mandibular second molars after extraction of impact third molar

Protocol summary

Summary

Compare of influence different two suture techniques on periodontal health of the mandibular second molars after extraction of impact third molar. Of the patients admitted to the Dental School, Ahwaz 13 patients with mandibular third molar impaction bilaterally are selected according to the inclusion criteria. Inclusion criteria for the study group were: •totally bone-impacted mandibular third molar with mesioangular or vertical classification and requiring ostectomy and odontotomy •age < 25 years •nonsmoker •Over the last 6 months are not undergoing surgery or periodontal treatment •Any systemic disease, bleeding disorders, and did not have periodontal disease. •The second molar is healthy and no cavities or fillings in teeth is not distal operative examination included probing pocket depth, gingival index and plaque index measured at the distal surface of the second molars before surgery and 3,6 months after surgery

General information

Acronym

Impact third molar

IRCT registration information

IRCT registration number: **IRCT2014052017781N1**

Registration date: **2014-07-15, 1393/04/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-07-15, 1393/04/24

Registrant information

Name

Fouzieh Vahidnia

Name of organization / entity

Ahwaz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 61 1333 3477

Email address

vahidnia.f@ajums.ac.ir

Recruitment status

Recruitment complete

Funding source

Ahwaz University of Medical Sciences

Expected recruitment start date

2013-12-31, 1392/10/10

Expected recruitment end date

2014-02-19, 1392/11/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Compare of influence different two suture techniques on periodontal health of the mandibular second molars after extraction of impact third molar

Public title

Compare of influence different two suture

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: totally bone-impacted mandibular third molar with mesioangular or vertical classification and requiring ostectomy and odontotomy; age < 25 years; nonsmoker; Over the last 6 months are not undergoing surgery or periodontal treatment; Any systemic disease,

bleeding disorders, and did not have periodontal disease; The second molar is healthy and no cavities or fillings in teeth is not distal. Exclusion: Patients with other types of impaction; age>25 years; Systemic disease; Surgery within the last 6 months; smoker; Second molars of carious

Age

From **20 years** old to **25 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **13**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Vice Chancellor for Research and Technological Development

Street address

Vice Chancellor for Research and Technological Development, Ahvaz

City

Ahvaz

Postal code

6135715794

Approval date

2013-11-09, 1392/08/18

Ethics committee reference number

u-92147

Health conditions studied**1****Description of health condition studied**

impacted tooth

ICD-10 code

k01

ICD-10 code description

Embedded and impacted teeth

Primary outcomes**1****Description**

PPD

Timepoint

Before surgery and 3 and 6 months after surgery

Method of measurement

Probe Williams

Secondary outcomes**1****Description**

Plaque Index

Timepoint

3 months after treatment and 6 months after intervention

Method of measurement

Disclosing tab

2**Description**

Gingival Index

Timepoint

3 months after treatment and 6 months after intervention

Method of measurement

Periodontal probs

Intervention groups**1****Description**

Intervention group: sutures Anchor

Category

Treatment - Surgery

2**Description**

Controls: Use a simple loop suture

Category

Treatment - Surgery

Recruitment centers**1****Recruitment center****Name of recruitment center**

Dental School, Ahvaz

Full name of responsible person

Fouzieh vahidnia

Street address

University of Medical Sciences, Faculty of Dental
Surgery, Ahvaz

City
Ahvaz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
University of Medical Sciences, Ahvaz

Full name of responsible person
Mohamadreza abaspour

Street address
University of Medical Sciences, Ahvaz

City
Ahvaz

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, Ahvaz

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
Fouzieh vahidnia

Position
Dental students

Other areas of specialty/work

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Person responsible for scientific inquiries

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Person responsible for updating data

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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