# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

07 Nov 2026

## Compare of influence different two suture techeniques on periodontal healh of the mandibular second molars after extraction of impact third molar

### Protocol summary

**Summary**

Compare of influence different two suture techeniques on periodontal healh 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**

Ahvaz 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**

Ahvaz 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 techeniques on periodontal healh 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**
Disclozing tab

### 2

**Description**
Gingival Index

**Timepoint**
3 months after treatment and 6 months after intervention

**Method of measurement**
Periodental 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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Tavakol khanizadeh

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PHD

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## Person responsible for updating data

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Ahvaz University of Medical Sciences

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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*