

# 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 osteotomy 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 osteotomy 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

#### Contact

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Tavakol khanizadeh

**Position**

PHD

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## Person responsible for updating data

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Ahvaz University of Medical Sciences

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**Position**

Dental students

**Other areas of specialty/work**

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Ahvaz

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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*