

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

28 May 2026

### Evaluating the effect of periodontal bandages and cyanoacrylate tissue stick on palatally impacted teeth gingiva after exposure operation

#### Protocol summary

##### Summary

Aim of this study is evaluating the effect of periodontal bandages and tissue sticks in impacted teeth operation. Patients are between 13-30 years old that are clinically healthy and have an impacted tooth in upper jaw palate. They enter the study and undergo exposing operation for the impacted tooth then they are divided into two groups in one periodontal bandage is applied for one week while in the other one tissue stick is applied for the same period of time. Before applying the packs a photo is taken from the area and also a pain and bleeding questionnaire is handed out to the patient. The patient is called out after a week, the periodontal pack is removed and again another photo is taken from the area then the two photos are compared in size before and after applying the packs in a software. They wound is also evaluated for bleeding.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT201701079002N6**

Registration date: **2017-09-10, 1396/06/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2017-09-10, 1396/06/19

##### Registrant information

##### Name

Sara Soheilifar

##### Name of organization / entity

Hamadan University of Medical Sciences

##### Country

Iran (Islamic Republic of)

##### Phone

+98 81 1824 7998

##### Email address

sara.soheilifar@umsha.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Hamedan of University of Medical Sciences Vice chancellor of research

##### Expected recruitment start date

2017-02-19, 1395/12/01

##### Expected recruitment end date

2017-06-22, 1396/04/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Evaluating the effect of periodontal bandages and cyanoacrylate tissue stick on palatally impacted teeth gingiva after exposure operation

##### Public title

Evaluating the effect of periodontal bandages on impacted teeth gingiva after exposure operation

##### Purpose

Treatment

##### Inclusion/Exclusion criteria

Inclusion criteria: Normal periodontal status; Age range between 13-30 years; Systemic health; Not taking anti coagulating drugs; Not having craniofacial anomalies such as lip and palate cleft; Operation procedure carried out properly and during the operation incidents like over bleeding or laceration does not happen; Open operation  
Exclusion criteria: Having chronic or aggressive periodontal diseases; Having craniofacial anomalies like lip and palate cleft; Having systemic diseases including

diabetes and coagulating problems; Smoking; History of gingival operation from palatal tissue

#### Age

From **13 years** old to **30 years** old

#### Gender

Both

#### Phase

N/A

#### Groups that have been masked

*No information*

#### Sample size

Target sample size: **38**

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

#### Blinding (investigator's opinion)

Double blinded

#### Blinding description

#### Placebo

Not used

#### Assignment

Parallel

#### Other design features

Type of study is simple randomized. Patients referred were listed and then put into randomized number tables and later divided into two groups by spss software

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics committee of Hamedan university of medical sciences

##### Street address

Hamedan university of medical sciences, park intersection, hamedan, Iran

##### City

Hamedan

##### Postal code

Iran

#### Approval date

2017-02-18, 1395/11/30

#### Ethics committee reference number

ir.umsha.rec.1395.561

## Health conditions studied

### 1

#### Description of health condition studied

Palatally impacted teeth

#### ICD-10 code

ko1.1

#### ICD-10 code description

An impacted tooth is a tooth that has failed to erupt

because of obstruction by another tooth.

## Primary outcomes

### 1

#### Description

The exposed field size

#### Timepoint

Before interference and one week after interference

#### Method of measurement

By image J application

## Secondary outcomes

### 1

#### Description

Pain

#### Timepoint

Before interference and one week after interference

#### Method of measurement

Questionnaire

### 2

#### Description

Bleeding

#### Timepoint

Before interference and one week after interference

#### Method of measurement

Questionnaire

## Intervention groups

### 1

#### Description

Applying tissue stick after the exposing operation

#### Category

Treatment - Surgery

### 2

#### Description

Applying periodontal bandage after the exposing operation

#### Category

Treatment - Surgery

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Periodontics ward at dentistry faculty of Hamedan university

##### Full name of responsible person

##### Street address

Dentistry faculty of hamedan univeristy of medical

sciences, Pazhuhesh intersection, Hamedan, Iran

**City**

Hamedan

s\_bashirian@yahoo.com

**Web page address**

## Sponsors / Funding sources

### 1

#### Sponsor

**Name of organization / entity**

Vice chancellor for research Hamedan University of Medical Sciences

**Full name of responsible person**

Vice chancellor for research Hamedan University of Medical Sciences

**Street address**

Chancellor of researcher and technology, hamedan university of medical sciences, Mahdie street, Shariati street, Hamedan, Iran

**City**

Hamedan

**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 Hamedan 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**

Hamedan of University of Medical Sciences

**Full name of responsible person**

said bashirian

**Position**

Chancellor of research

**Other areas of specialty/work**

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## Person responsible for scientific inquiries

#### Contact

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University professor

**Other areas of specialty/work**

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## Person responsible for updating data

#### Contact

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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*