

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

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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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Web page address

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