

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of the effect of suture with and without cyanoacrylate glue on restoration and patients' satisfaction undergoing oral mucosal surgery: a randomized clinical trial

Protocol summary

Study aim

To compare the effect of suture with and without cyanoacrylate glue on restoration and patients' satisfaction undergoing oral mucosal surgery

Design

This is a randomized clinical trial, phase II, in which 20 eligible patients will be randomly assigned to the intervention and control groups

Settings and conduct

The eligible patients who are candidate for undergoing oral mucosal surgery and will refer to Dental Clinic of Islamic Azad University in Tehran City during the study period will be enrolled in the trial and will be randomly assigned to the intervention and control groups through the drawing of lots.

Participants/Inclusion and exclusion criteria

Inclusion criteria: Age of 18 to 65 years Patients who are the candidate for undergoing oral mucosal surgery (implant placement or alveoplasty) Exclusion criteria: Pregnancy or breastfeeding Using alcohol; Using opium; Sensitivity to cyanoacrylate glue

Intervention groups

Intervention group: Oral mucosal surgery and then suturing with cyanoacrylate glue Control group: Oral mucosal surgery and then suturing without cyanoacrylate glue

Main outcome variables

Primary outcome: Restoration of the location of surgery Patients' satisfaction

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20120215009014N261**
Registration date: **2019-02-11, 1397/11/22**

Registration timing: **retrospective**

Last update: **2019-02-11, 1397/11/22**

Update count: **0**

Registration date

2019-02-11, 1397/11/22

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1838 0090

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2017-11-21, 1396/08/30

Expected recruitment end date

2018-11-21, 1397/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of suture with and without cyanoacrylate glue on restoration and patients' satisfaction undergoing oral mucosal surgery: a

randomized clinical trial

Public title
Comparison of the effect of suture with and without cyanoacrylate glue on restoration and patients' satisfaction undergoing oral mucosal surgery

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Age of 18 to 65 years Patients who are candidate for undergoing oral mucosal surgery (implant placement or alveoplasty)
Exclusion criteria:
Pregnancy or breastfeeding Using alcohol Using opium Sensitivity to cyanoacrylate glue

Age
From **18 years** old to **65 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **20**

Randomization (investigator's opinion)
Randomized

Randomization description
Random assignment of the patients to the intervention and control groups through the drawing of lots. To do this, we prepare two sheets and write "intervention" on one sheet and "control" on another. Then, by referring to each patient, one of the sheets will be randomly taken and the patient will be assigned to the intervention or control group.

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

Ethics Committee of Islamic Azad University, Tehran Dental Branch

Street address

Tehran Dental Branch, Islamic Azad University, Ninth Neyestan, Pasdaran Ave

City

Tehran

Province
Tehran
Postal code
1946853314
Approval date
2017-11-12, 1396/08/21
Ethics committee reference number
IR.IAU.DENTAL.REC.1396.30

Health conditions studied

1

Description of health condition studied

Dental implant

ICD-10 code

M27.6

ICD-10 code description

Endosseous dental implant failure

Primary outcomes

1

Description

Restoration of the location of surgery

Timepoint

On the seventh day after surgery

Method of measurement

Through physical examination

2

Description

Patients' satisfaction

Timepoint

On the seventh day after surgery

Method of measurement

By taking history

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Oral mucosal surgery and then suturing with cyanoacrylate glue

Category

Treatment - Surgery

2

Description

Control group: Oral mucosal surgery and then suturing without cyanoacrylate glue

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Dental Clinic of Islamic Azad University

Full name of responsible person

Seyyedeh Negar NedaDahandeh

Street address

Tehran Dental Branch, Islamic Azad University, Ninth
Neyestan, Pasdaran Ave

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Email

Nedadahandeh81@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Islamic Azad University

Full name of responsible person

Dr Arash Azizi

Street address

Vice-chancellor for Research and Technology, Tehran
Dental Branch, Islamic Azad University, Ninth
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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Islamic Azad University

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Seyyedeh Negar NedaDahandeh

Position

Dental Student

Latest degree

Medical doctor

Other areas of specialty/work

Dentistry

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Islamic Azad University

Full name of responsible person

Seyyedeh Negar NedaDahandeh

Position

Dental Student

Latest degree

Medical doctor

Other areas of specialty/work

Dentistry

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Person responsible for updating data

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Dr Jalal Poorolajal

Position

Professor of Epidemiology

Latest degree

Ph.D.

Other areas of specialty/work

Epidemiology

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available