

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jul 2026

Investigation the effectiveness and non-effectiveness of leggy rotating flap on the periodontal condition of second mandibular molar after molar surgery

Protocol summary

Summary

This study will be done with aim to investigate the effectiveness of leggy rotating flap on the periodontal condition of second mandibular molar after molar surgery. This is triple-blind clinical trial. The study population will be included patients referred to a personal dentist's office. 15 patients with 2-way the mandibular third molars teeth will be selected in available method and randomly divided into control and experimental groups that a control group will be on the side and experimental group will be on the other side. In the experimental group after the withdrawal of tooth and second molar tooth SRP a leggy rotating flap prepared from the third molars sticky gum is placed in contact the second molar distal surface. In control group an envelope flap with the release of third molars distal to the Ramos from the third molar to first molar is used, when closing the flap of operculum edge wound is caused and dental cavities takes full coverage and restoration will occur in primary. All measurement criteria are applied before surgery and the attached gingiva and probing depth is measured after two months of calling meetings. Other measurement criteria are measured in the first week after surgery. Inclusion criteria: Age between 20 -30; Patients with bilateral mandibular third molars includes class A in Pell and Gregory classification. Exclusion criteria: Patient's unwillingness to cooperate

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017021014333N66**
Registration date: **2017-03-03, 1395/12/13**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-03-03, 1395/12/13

Registrant information

Name

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Name of organization / entity

kermanshah University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Kermanshah University of Medical Sciences

Expected recruitment start date

2017-02-23, 1395/12/05

Expected recruitment end date

2017-04-25, 1396/02/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigation the effectiveness and non-effectiveness of leggy rotating flap on the periodontal condition of second mandibular molar after molar surgery

Public title

Periodontal evaluation of rotational pedicle flap used in

extraction of third molar

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria: Age between 20 -30; Patients with bilateral mandibular third molars includes class A in Pell and Gregory classification. Exclusion criteria: Patient's unwillingness to cooperate

Age
From **20 years** old to **30 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **15**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Triple 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 Kermanshah University of Medical Sciences

Street address

Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

City

Kermanshah

Postal code

Approval date

2016-12-28, 1395/10/08

Ethics committee reference number

kums.rec.1395.563

Health conditions studied

1

Description of health condition studied

Impacted teeth

ICD-10 code

K01

ICD-10 code description

embedded and impacted teeth with abnormal position of such teeth or adjacent teeth

Primary outcomes

1

Description

The attached gingiva

Timepoint

Baseline, two months after surgery

Method of measurement

By periodontal probe

2

Description

Depth of probe

Timepoint

Baseline, two months after surgery

Method of measurement

By periodontal probe

Secondary outcomes

empty

Intervention groups

1

Description

In the experimental group after the withdrawal of tooth and second molar tooth SRP a leggy rotating flap prepared from the third molars sticky gum is placed in contact the second molar distal surface

Category

Treatment - Surgery

2

Description

In control group an envelope flap with the release of third molars distal to the Ramos from the third molar to first molar is used, when closing the flap of operculum edge wound is caused and dental cavities takes full coverage and restoration will occur in primary

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Personal office

Full name of responsible person

Amin Kananizadeh

Street address

street of Dabir Azam, Department Kosar
City
Kermanshah

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Kermanshah University of Medical Sciences

Full name of responsible person

Koroush Hamzehee

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Building No.2, Shahid Beheshti, Vice Chancellor for Research Affairs, Kermanshah University of Medical Sciences

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Kermanshah

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, Kermanshah 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

Kermanshah University of Medical Sciences

Full name of responsible person

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Other areas of specialty/work

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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