Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Determination of clinical effectiveness of two types of periodontal dressings on wound healing following periodontal flap surgery

Protocol summary

Summary

The aim of this study was to determine the clinical effect of two types of periodontal dressings on wound healing. Materials and Methods: In this study, 23 patients with chronic and healthy periodontitis, systemically and with a 5-8-mm envelope requiring surgery on both sides of the jaw, will be selected. After surgery, one side of the coe-pak and on the other side of Resopac will be used. The effect of these two types of dressing will be clinically compared with examining pain, plaque accumulation, gum color, bleeding during probe and granulation tissue 7 and 14 days after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016050718493N2**
Registration date: **2017-08-01, 1396/05/10**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-08-01, 1396/05/10

Registrant information

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Leila Gholami
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Recruitment status

Recruitment complete

Funding source

Zahedan University of Medical Sciences

Expected recruitment start date

2014-05-22, 1393/03/01

Expected recruitment end date

2014-11-22, 1393/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Determination of clinical effectiveness of two types of periodontal dressings on wound healing following periodontal flap surgery

Public title

Comparison of two gingival dressings on wound healing after periodontal flap surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: age between 18-50; Chronic Periodontitis needing periodontal flap surgery with similar amounts of bone loss and probing depths on two sides of a Jaw; 5-8mm pocket depths; horizontal bone loss. Exclusion criteria: Consumption of Antibiotics, corticosteroids, Hormonal drugs in the past two months; systemic contraindications for surgery; History of previous flap surgery; Aggressive periodontitis; Pregnancy and breast feeding; Diabetes and other systemic conditions affecting wound healing

Age

From **18 years** old to **50 years** old

Gender

Both

Phase
3
Groups that have been masked
No information
Sample size
Target sample size: **23**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Single blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Zahedan University of Medical Sciences
Street address
Zahedan University of Medical Sciences, Dr Hesabi square
City
Zahedan
Postal code
Approval date
2014-04-27, 1393/02/07
Ethics committee reference number
6263

Health conditions studied

1

Description of health condition studied
periodontitis
ICD-10 code
k05.4
ICD-10 code description
Periodontosis

Primary outcomes

1

Description
Pain
Timepoint
7 days
Method of measurement
Visual analysis scale (VAS)

2

Description
Gingival color
Timepoint
7, 14 days
Method of measurement
Pale pink, Dark pink, Red

3

Description
Plaque acumulation
Timepoint
7, 14 day
Method of measurement
None, Mild, Moderate, Severe

4

Description
Bleeding on probing
Timepoint
7, 14 days
Method of measurement
No Bleeding, Mild, Moderate, Severe

5

Description
Granulation tissue
Timepoint
7, 14 days
Method of measurement
None, Mild, Moderate, Severe

Secondary outcomes

empty

Intervention groups

1

Description
Intervention: coe-pak dressing
Category
Treatment - Other

2

Description
Resopac gingival dressing
Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Department of Periodontology, Faculty of Dentistry,

Zahedan University of Medical Sciences

Full name of responsible person

Leila Gholami, Somayeh Ansari Moghadam

Street address

Department of Periodontology, Faculty of Dentistry, Mehr street

City

Zahedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Zahedan University of Medical Sciences

Full name of responsible person

Leila Gholami

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Zahedan University of Medical Sciences, Hesabi square

City

Zahedan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Zahedan 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

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Full name of responsible person

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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