

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jun 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

Name

Leila Gholami

Name of organization / entity

Hamadan University of Medical Sciences, Faculty of Dentistry

Country

Iran (Islamic Republic of)

Phone

+98 81 3824 1949

Email address

l.gholami@zaums.ac.ir

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

Street address

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

Hamadan medical university

Full name of responsible person

Leila Gholami

Position

Assistant professor

Other areas of specialty/work

Street address

Park crossroad, Faculty of dentistry

City

Hamadan

Postal code

Phone

+98 81 3824 1949

Fax

Email

l.gholami@hotmail.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Hamadan University of Medical Sciences

Full name of responsible person

Leila Gholami

Position

Assistant professor

Other areas of specialty/work

Street address

park crossroad,

City

Hamadan

Postal code

Phone

+98 81 3824 1949

Fax

Email

l.gholami@hotmail.com

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Hamadan University of Medical Sciences

Full name of responsible person

Leila Gholami

Position

Assistant professor

Other areas of specialty/work

Street address

Park Crossroad, Faculty of Dentistry

City

Hamadan

Postal code

Phone

+98 81 3824 1949

Fax

Email

l.gholami@hotmail.com

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