

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

13 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**

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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*