

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 May 2026

Clinical Trial Study of Coe-Pak Dressing effect on Pain and Microbial Contamination of Suture after Surgery in Patients with Chronic Periodontitis

Protocol summary

Summary

Objective: The purpose of this study is to investigate the effect of Coe-Pak periodontal dressing on the pain and microbial contamination of suture after modified widman flap surgery in patients with chronic periodontitis.

Design: This study has a randomized, not blinded, with control group and single-center design. Major inclusion criteria: chronic periodontitis disease; age over 18 years; not having systemic disease; no periodontal treatment in the last six months. Major exclusion criteria: other treatments for periodontal disease during the study period. Study population: patients with chronic periodontitis disease. Sample size: 23 patients.

Interventions: Use of Coe-Pak periodontal dressing in the interventions group; No use of any periodontal dressing in the control group. Intervention time: 22.11.2010. Main Outcome Measures: changes in pain and microbial contamination of suture after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201504114877N26**
Registration date: **2015-10-02, 1394/07/10**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-10-02, 1394/07/10

Registrant information

Name

Jaber Yaghini

Name of organization / entity

Isfahan University of Medical Sciences and Health

Services

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor of Research, Isfahan University of Medical Sciences

Expected recruitment start date

2010-07-23, 1389/05/01

Expected recruitment end date

2010-11-22, 1389/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Clinical Trial Study of Coe-Pak Dressing effect on Pain and Microbial Contamination of Suture after Surgery in Patients with Chronic Periodontitis

Public title

Effect of Coe-Pak Dressing on the Side Effects of Periodontal Surgery

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients with chronic periodontitis disease which require modified widman flap surgery in two quadrants; age over 18 years; lack of systemic disease; no pregnancy; no previous periodontal

treatment and systemic antibiotics therapy in the last 6 months; not being smoker. Exclusion criteria: the patient's unwillingness to continue the treatment; being under other treatment and taking medications which may affect the result during the study.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **23**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

A coin tossing is used for Randomization.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Isfahan University of Medical Sciences

Street address

Isfahan University of Medical Sciences, Hezar jerib St, Isfahan, Iran.

City

Isfahan

Postal code

Approval date

2010-06-21, 1389/03/31

Ethics committee reference number

389157

Health conditions studied

1

Description of health condition studied

chronic periodontitis

ICD-10 code

K05.3

ICD-10 code description

Chronic periodontitis

Primary outcomes

1

Description

Severity of pain after surgery

Timepoint

1 week after the surgery

Method of measurement

Visual analog scale questionnaire

2

Description

Number of bacterial colonies of sutures after surgery

Timepoint

1 week after the surgery

Method of measurement

McFarland technique with colony- forming units per milliliter

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: after mixing the equal length of two paste (accelerator paste and base paste), Surgical flaps were covered with uniform pink color of Coe-Pak periodontal dressing (GC Company, America). Composition: fatty acids, natural and synthetic rosin, mineral oil, vegetable oil, zinc oxide, magnesium oxide

Category

Treatment - Other

2

Description

Control group: Surgical flaps were not covered with any periodontal dressing.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Periodontal department, School of Dentistry, Isfahan University of Medical Sciences

Full name of responsible person

Dr Jaber Yaghini

Street address

Periodontal department, School of Dentistry, Isfahan University of Medical Sciences, Hezarjerib st., Isfahan,Iran.

City

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor of Research, Isfahan University of Medical Sciences

Full name of responsible person

Dr Omid Savabi

Street address

Vice Chancellor of Research, Isfahan University of Medical Sciences, Hezarjerib st., Isfahan,Iran.

City

Isfahan

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice Chancellor of Research, Isfahan 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**

Periodontal department, School of Dentistry, Isfahan University of Medical Sciences

Full name of responsible person

Dr Jaber Yaghini

Position

Assistant professor

Other areas of specialty/work**Street address**

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Person responsible for updating data

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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