Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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

Isfahan

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
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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
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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