

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Effectiveness of green tea- Aloe vera mouthwash in pain control following periodontal surgeries

Protocol summary

Summary

The aim of this study was to assess the efficacy of Aloe vera-Green tea mouthwash in reducing pain after the periodontal pocket reduction surgery. Design: randomized, double blind clinical trial (with placebo). Inclusion criterion: patients suffering generalized chronic periodontitis Exclusion criteria: patients who suffered only from Gingivitis; patients with contraindications of periodontal and gingival treatments(like uncontrolled diabetes); patients who received antibiotic therapy during last months; patients who suffered from dental and masticatory system pain. Target sample size: 30. Intervention: administration of Green tea-Aloe vera efficacy on pain reduction and painkiller consumption after periodontal pocket reduction surgery in comparison to placebo group. Outcome measure: the pain perceived (based on numerical pain rating scale) and amount of painkillers consumed by patients were assessed during the first 10 days after surgery.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016082029432N1**

Registration date: **2016-09-14, 1395/06/24**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-09-14, 1395/06/24

Registrant information

Name

Ehsan Tafazoli Moghadam

Name of organization / entity

Orthodontics Department, Qazvin University of

Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 4449 1925

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Recruitment status

Recruitment complete

Funding source

Mashhad University of Medical Sciences

Expected recruitment start date

2015-10-23, 1394/08/01

Expected recruitment end date

2016-01-21, 1394/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effectiveness of green tea- Aloe vera mouthwash in pain control following periodontal surgeries

Public title

Effectiveness of green tea-Aloe vera mouthwash on pain reduction after surgery

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criterion: patients suffering generalized chronic periodontitis Exclusion criteria: patients who suffered only from Gingivitis; patients with contraindications of periodontal and gingival treatments(like uncontrolled diabetes); patients who received antibiotic therapy during last months; patients who suffered from dental and masticatory system pain.

Age

From **25 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Mashhad University of Medical Sciences

Street address

Mashhad university of medical sciences

City

Mashhad

Postal code

Approval date

2016-04-07, 1395/01/19

Ethics committee reference number

IR.MUMS.SD.REC.1394.107

Health conditions studied

1

Description of health condition studied

Chronic Periodontitis

ICD-10 code

K05.3

ICD-10 code description

Primary outcomes

1

Description

perceived postoperative pain

Timepoint

10 consecutive days after surgery

Method of measurement

Numeric Pain Rating Scale

Secondary outcomes

empty

Intervention groups

1

Description

Intervention: Green tea - Aloevera mouthwash, 15 ml ,
b.i.d , for 10 consecutive days

Category

Treatment - Drugs

2

Description

Placebo : placebo mouthwash, 15 ml, b.i,d, for 10
consecutive days

Category

Placebo

Recruitment centers

1

Recruitment center

Name of recruitment center

Mashhad University of Medical Sciences, Faculty of
Dentistry

Full name of responsible person

Naser Sargolzae

Street address

City

Mahhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical sciences,
Administration of Research and Technology

Full name of responsible person

Mohsen Tafaghodi

Street address

Mashhad University of Medical sciences, Daneshgah
St.

City

Mashhad

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Mashhad University of Medical sciences, Administration
of Research and Technology

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

Mashhad University of Medical Sciences, Faculty of Dentistry

Full name of responsible person

Ehsan Tafazoli Moghadam

Position

D.D.S

Other areas of specialty/work

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Sharing plan

Person responsible for scientific inquiries

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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