

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Comparison of the analgesic effect of odontopaste and a medicament with similar formulation in pain control after emergency treatment in the patients with lower posterior tooth pain

Protocol summary

Summary

The aim of this study is to make a medicament similar to odontopaste that The use of this medicament between appointment may help to relieve the pain during and after root canal treatment. This randomized control trial will be done on 90 patients (with age range between 18 and 35 years old) that are referred to the endodontic department of ahwaz dental faculty at 2011-2012. Patients appoint their pain rate (also percussion sensitivity) on heft-parker VAS diagram, at the beginning of any appointment. Patients was be put under anesthesia then the radicular and coronal pulp was emit. Patients was entered to one of the intervention groups or control group by randomized table. Group1: Patients that their canals was dressed by new intracanal medicament . Group2 : Patients that their canals was dressed by odontopaste medicament. Group3 : Patients that their canals was dressed by placebo. Access cavity was covered by cavisol at 1 week interappointment. Patients determine their pain rate on VAS diagram, 24 hours after the first appointment. In the beginning of the second appointment patients determine their pain rate on VAS diagram. Considerable, the patient, clinician and analyst are blind and this study is tri-blind. Also said to patient that does not use analgesic medicine at interappointment.

General information

Acronym

AES

IRCT registration information

IRCT registration number: **IRCT201110196443N2**

Registration date: **2012-11-17, 1391/08/27**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-11-17, 1391/08/27

Registrant information

Name

Behrouz Eftekhari

Name of organization / entity

Ahwaz University Of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Ahwaz University Of Medical Science

Expected recruitment start date

2012-01-21, 1390/11/01

Expected recruitment end date

2012-07-20, 1391/04/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the analgesic effect of odontopaste and a medicament with similar formulation in pain control after emergency treatment in the patients with lower posterior tooth pain

Public title

Comparison of the analgesic effect of odontopaste and a

medicament with similar formulation between root canal therapy appointments

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Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: The spontaneous pain or sensitivity to percussion before treatment;The tooth should be first or second molar;the patient should be without any systemic problem, female should not be pregnant or in lactating stage;The patients do not have any history of oral diseases or hypersensitivity to antibiotics or corticosteroid;The tooth should have a normal apex;The roots were without resorption and pathological problems such as periapical lesions;The patients were not be used NSAIDs medicine 1 hour before treatment. Exclusion criteria: If the patient has severe pain,is exclude from seven days evaluation and prescribe analgesic;The patient has not be satisfied to continue in study;If the patient did not confer seven days later;The procedure accidents;If the pain rate did not record at 24 hours after the first appointment;If the patient used analgesic.

Age

From **18 years** old to **35 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **96**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Triple blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

h̄waz University Of Medical Science

Street address

Dy st, Frvardin blv, Glestan, Awaz

City

Awaz

Postal code

Approval date

2012-07-29, 1391/05/08

Ethics committee reference number

Health conditions studied

1

Description of health condition studied

Toothache

ICD-10 code

K08.8

ICD-10 code description

Toothache NOS

2

Description of health condition studied

Acute apical periodontitis

ICD-10 code

K04.4

ICD-10 code description

Acute apical periodontitis NOS

Primary outcomes

1

Description

Toothache

Timepoint

Before first appointment-24 hours after intracanal medicament insertion-7 days after intracanal medicament insertion

Method of measurement

Use of VAS diagram

2

Description

Acute apical periodontitis

Timepoint

Before first appointment-24 hours after intracanal medicament insertion-7 days after intracanal medicament insertion

Method of measurement

Use of VAS diagram

Secondary outcomes

empty

Intervention groups

1

Description

Intracanal medicament insertion

Category

Treatment - Drugs

2

Description

Intracanal medicament similar to odontopaste containing clindamycin and triamcinolone insertion

Category

Treatment - Drugs

3

Description

Placebo containing ethyle cellulose

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Dentistry Faculty of Ahwaz University Of Medical Science

Full name of responsible person

Behrooz efekhar

Street address

Dey A, Farvardin BLV, Golestan

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research assistance Of Ahwaz University Of Medical Science

Full name of responsible person

Mohammad Reza Abbas Pour

Street address

1th floor, Research assistance, university city

City

Ahwaz

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Research assistance Of Ahwaz University Of Medical Science

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

Endodontic Department Of Dental Faculty

Full name of responsible person

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Position

Special resident

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