Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparison of the Effects of celecoxib, celecoxib – caffeine and Ibuprofen on pain control after crown lengthening.

Protocol summary

Summary

Aim of study:Comparison of the Effects of celecoxib, celecoxib – caffeine and Ibuprofen on pain control after crown lengthening. Inclusion criteria: _The patient has no history of systemic disease. _At least 48 hours prior eaten to study drug is not received analgesic drug. Excluded Criteria: _Patients with any periodontal surgery within the last 6 months. Gelatin capsules prepared by a similar and in The capsules is placed contents of celecoxib and ibuprofen and Celecoxib combined with caffeine.Capsules prepared by a third party and are coded.and placed in envelopes similar and drug-related code is written on each envelope. Do not know Treating and patients none of the types of drugs.Administration and Dosage of drugs given to patients by the person responsible for the coding(double blind). Patients will be enrolled after completing the questionnaire.Patients are treated by periodontics residents.Unification is divided patients between students.The results are the same for all surgery is performed in an area of the mouth. 45 eligible patients were selected and randomly divided into 3 groups. The first group of ibuprofen400 mg Group II Celecoxib 150mg Group III Celecoxib 150mg + caffeine30mg. Drug use: Any person 0/5 hours before surgery, a dose of the drug is administered,Between 1 and 8, 16 and 24 hours after surgery, the next dose of medication is administered in each group.Changes in VAS score at 1, 2, 4, 8, 16, 24 and 48 after the operation is recorded in the relevant forms.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201305253813N2**
Registration date: **2013-07-24, 1392/05/02**
Registration timing: **prospective**
Last update:
Update count: **0**

Registration date

2013-07-24, 1392/05/02

Registrant information

Name
Niloofar Jenabian
Name of organization / entity
Dental Faculty of University of Babol University of Medical Sciences
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Iran (Islamic Republic of)
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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research and technology, Babol University of Medical Sciences

Expected recruitment start date

2013-09-23, 1392/07/01

Expected recruitment end date

2015-03-20, 1393/12/29

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the Effects of celecoxib, celecoxib – caffeine and Ibuprofen on pain control after crown lengthening.

Public title

Comparison of the Effects of celecoxib, celecoxib –

caffeine and Ibuprofen on pain control after Surgery

Purpose

Supportive

Inclusion/Exclusion criteria

(Inclusion criteria:The patient has no history of systemic disease;The patient has no history of sensitivity to nonsteroidal anti-inflammatory drugs;Age of the patients ranged in age from 20 to 60 years;At least 48 hours prior eaten to study drug is not received analgesic drug;The patient was able to read, understand and complete the questionnaire;Excluded Criteria:Pregnant or lactating patients;Patients with gastrointestinal diseases such as peptic ulcer;Patients with any periodontal surgery within the last 6 months;Patients with severe anxiety and fear when visiting the dentist.)

Age

From **20 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **45**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Babol University of Medical Sciences

Street address

Babol, St. Ganjafroz, Medical Sciences

City

Babol

Postal code

4717641367

Approval date

2013-03-09, 1391/12/19

Ethics committee reference number

302159/ژ/پ

Health conditions studied

1

Description of health condition studied

Pain after Surgery

ICD-10 code

K08.8

ICD-10 code description

Other specified disorders of teeth and supporting structures

Primary outcomes

1

Description

Pain after Surgery

Timepoint

Hour 1, 2, 4, 8, 16, 24 and 48 after surgery.

Method of measurement

VAS

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Composition celecoxib 150 mg/ caffeine 30 mg, 0.5 hours before surgery and nest doses 1 and 8, 16 and 24 hours after surgery.

Category

Treatment - Drugs

2

Description

Control group: Celecoxib 150 mg, 0.5 hours before surgery and next doses 1 and 8, 16 and 24 hours after surgery.

Category

Treatment - Drugs

3

Description

Control group: Ibuprofen 400 mg, 0.5 hours before surgery and next doses 1 and 8, 16 and 24 hours after surgery.

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Babol Dental School

Full name of responsible person

Dr.Niloofar Jenabian

Street address

Babol, Velayat Square, St Felestin, Babol Dental School

City

Babol

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research and technology, Babol University of Medical Sciences

Full name of responsible person

Dr.Amrollah Mostafazadeh

Street address

Babol, St. Ganjafroz, University of Medical Sciences

City

Babol

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research and technology, Babol 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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Babol dental school

Full name of responsible person

Dr.Niloofar Jenabian

Position

Associate Professor, Department of Periodontology, School of Dentistry, Babol

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Babol dental school

Full name of responsible person

Reza Beyraghshamshir

Position

Dental Students

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