

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison between Crestal and Inferior Alveolar Nerve Block in Pain control during Supra-gingival and Sub-gingival Scaling

Protocol summary

Study aim

The aim of this study was to compare the anesthetic technique efficacy between Crestal and inferior alveolar nerve block techniques in pain control during supra-gingival and sub-gingival plaque removal in the patients referred to the Periodontologist office in Urmia in 2021.

Design

NB group

Settings and conduct

In each group the relevant according to the same protocol

Participants/Inclusion and exclusion criteria

هدف از این مطالعه مقایسه بی حسی به روش کرسیتال با بی حسی به روش بلاک آلویولار تحتانی در کنترل درد حین برداشت جرم های فوق و زیر لثه ای در بیماران مراجعه کننده به مطب پرودونتیست در سال 1400 می باشد

Intervention groups

CA group

Main outcome variables

Anesthesia success

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20210114050033N1**

Registration date: **2021-04-22, 1400/02/02**

Registration timing: **registered_while_recruiting**

Last update: **2021-04-22, 1400/02/02**

Update count: **0**

Registration date

2021-04-22, 1400/02/02

Registrant information

Name

Saman Taram

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 44 3336 3600

Email address

taram.saman@umsu.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-02-12, 1399/11/24

Expected recruitment end date

2021-07-14, 1400/04/23

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison between Crestal and Inferior Alveolar Nerve Block in Pain control during Supra-gingival and Sub-gingival Scaling

Public title

Crestal Anesthesia in Scaling

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Patients seeking dental scaling

Exclusion criteria:

1. Medically-suppressed patients including patients with hypertension and diabetes mellitus Smoking Alcoholism Patient with analgesics consumption during last 24 hours.

Age

No age limit

Gender

Both

Phase

1

Groups that have been masked

- Participant

Sample size

Target sample size: 64

Randomization (investigator's opinion)

Randomized

Randomization description

Patients were randomly divided into two equal groups (n = 32) using computer-generated random of sequence numbers

Blinding (investigator's opinion)

Single blinded

Blinding description

بیمار از تکنیک بی حسی آگاه نخواهد بود.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees1**Ethics committee****Name of ethics committee**

Urmia ethical committee

Street address

Alborz

City

Urmia

Province

West Azarbaijan

Postal code

4432261512

Approval date

2021-03-11, 1399/12/21

Ethics committee reference number

IR.UMSU.REC.1399.308

Health conditions studied1**Description of health condition studied**

All were normal

ICD-10 code

12

ICD-10 code description

12

Primary outcomes1**Description**

Succes

Timepoint

intraoperative

Method of measurement

Pain report

Secondary outcomes

empty

Intervention groups1**Description**

Intervention group:

Category

Treatment - Other

Recruitment centers1**Recruitment center****Name of recruitment center**

Urmia Alborz Dental Clinic

Full name of responsible person

Ehsan Khashabi

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Sponsors / Funding sources1**Sponsor****Name of organization / entity**

Urmia university of medical science

Full name of responsible person

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Urmia university of medical science

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Urmia university of medical science

Full name of responsible person

Ehsan Khashabi

Position

Assistant Professor

Latest degree

Medical doctor

Other areas of specialty/work

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

It is not well determined

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All data are no checklist

When the data will become available and for how

long

for 6 months after study complete

To whom data/document is available

Study authors

Under which criteria data/document could be used

Getting consent from authors

From where data/document is obtainable

from study article

What processes are involved for a request to access data/document

contact to correspond author

Comments