

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Sep 2026

The effect of Acupuncture on the success of Inferior Alveolar Nerve block anesthesia for teeth with Irreversible Pulpitis

Protocol summary

Summary

The purpose is to evaluate the effect of acupuncture on the success of Inferior alveolar nerve block injection for teeth with irreversible pulpitis in a placebo controlled ,triple blind randomized clinical trials study. 40 Patients with spontaneous or nightly pain in first or second mandibular molars that rate their pain 54 mm or more on VAS, randomly are divided into two groups (case or control) of 20 patient each. 15 minutes after acupuncture (in case group) or schema acupuncture (in control group), Inferior alveolar nerve block injection is administered by an endodontist. In case of no lip numbness, the patient will be excluded from the study. 15 minutes later, access cavity preparation is initiated and if there is pain, supplemental anaesthesia will be administered and recorded.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013121615814N1**

Registration date: **2014-06-04, 1393/03/14**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2014-06-04, 1393/03/14

Registrant information

Name

Shahrzad Jalali

Name of organization / entity

Qazvin University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 28 3335 3061

Email address

jalali.shahrzad@gmail.com

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Qazvin University of Medical Sciences

Expected recruitment start date

2014-05-31, 1393/03/10

Expected recruitment end date

2014-08-01, 1393/05/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Acupuncture on the success of Inferior Alveolar Nerve block anesthesia for teeth with Irreversible Pulpitis

Public title

The effect of Acupuncture on dental anaesthesia

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion Criteria: Complete healthy or controlled mild systemic disorders(ASA I, II); Patients with spontaneous or nightly pain in first or second mandibular molars that rate their pain 54 mm or more on VAS. Exclusion Criteria: Patients with contraindication or sensitivity to lidocaine or epinephrine; Taking medication for chronic pain; History of acupuncture; Coagulation disorders; Lactation; Pregnancy; Using any type of analgesic medication in the preceding 6 hours before the treatment; Teeth with extensive caries; Casting coronal restoration; Advanced periodontal disease.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: 40

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**

Ethics Committee of Qazvin University of Medical Sciences

Street address

Shahid Bahonar Boulevard

City

Qazvin

Postal code

3418-5745

Approval date

2014-05-12, 1393/02/22

Ethics committee reference number

28/20/8739

Health conditions studied**1****Description of health condition studied**

Irreversible Pulpitis

ICD-10 code

k04.0

ICD-10 code description

Pulpitis

Primary outcomes**1****Description**

The need for supplemental anaesthesia

Timepoint

30 to 45 minutes after intervention

Method of measurement

Administering or not

Secondary outcomes**1****Description**

Pain

Timepoint

Before intervention and 30 to 45 minutes after intervention

Method of measurement

Visual Analogue Scale

Intervention groups**1****Description**

Intervention group: Acupuncture, needle insertion on Hegu point on the hand

Category

Treatment - Other

2**Description**

Control group: Painful stimulation without Acupuncture specific needle insertion

Category

Treatment - Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Qazvin Dental Faculty

Full name of responsible person

Shahrzad Jalali

Street address

Dental Faculty; Shahid Bahonar Boulevard

City

Qazvin

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Vice chancellor for research, Qazvin University of Medical Sciences

Full name of responsible person

Mehri Mashatan

Street address

Shahid Bahonar Boulevard
City
 Qazvin
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, Qazvin 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
 Qazvin University of Medical Sciences
Full name of responsible person
 Shahrzad Jalali
Position
 Assistant Professor
Other areas of specialty/work
Street address
 Endodontic Department; Dental Faculty; Shahid Bahonar Boulevard
City
 Qazvin
Postal code
 34157-59811
Phone
 +98 28 3335 3061
Fax
Email
 Jalali.Shahrzad@gmail.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
 Qazvin University of Medical Sciences
Full name of responsible person
 Shahrzad Jalali

Position
 Assistant Professor
Other areas of specialty/work
Street address
 Endodontic Department; Dental Faculty; Shahid Bahonar Boulevard
City
 Qazvin
Postal code
 34157-59811
Phone
 +98 28 1335 3061
Fax
Email
 Jalali.shahrzad@gmail.com
Web page address

Person responsible for updating data

Contact

Name of organization / entity
 Qazvin University Of Medical Sciences
Full name of responsible person
 Shahrzad Jalali
Position
 Assistant Professor
Other areas of specialty/work
Street address
 Endodontic Department; Dental Faculty; Shahid Bahonar Boulevard
City
 Qazvin
Postal code
 34157-59811
Phone
 +98 28 3335 3061
Fax
Email
Web page address

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