

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Comparison of the Effect of Adjunctive Guided Imagery and Hypnotherapy on Stress, Pain and Success of Inferior Alveolar Nerve Block Anesthesia Related to Root canal Treatment of Teeth With Irreversible Pulpitis

Protocol summary

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Summary

This study evaluates the effect of Guided Imagery and Adjunctive hypnotherapy on stress, pain and success of anesthesia in teeth with Irreversible Pulpitis. Among the key inclusion criteria are complete mental health, no history of drug use during the last 24 hours and capability to comprehend and fill out the forms. Form the key exclusion criteria are Pregnancy, lactation, low hypnotizability and multiple sclerosis. The study group is composed of teeth with irreversible pulpitis and sample size is 120 patients (three 40-person groups). Stress is assessed using Corah form and pain and success of anesthesia are assessed with VAS form.

Recruitment status

Recruitment complete

Funding source

Mazandaran University of Medical Sciences

Expected recruitment start date

2012-11-10, 1391/08/20

Expected recruitment end date

2013-12-10, 1392/09/19

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013082814513N1**

Registration date: **2013-09-19, 1392/06/28**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2013-09-19, 1392/06/28

Registrant information

Name

Mohsen Ramazani

Name of organization / entity

Mazandaran University of Medical Sciences

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Iran (Islamic Republic of)

Phone

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Email address

Scientific title

Comparison of the Effect of Adjunctive Guided Imagery and Hypnotherapy on Stress, Pain and Success of Inferior Alveolar Nerve Block Anesthesia Related to Root canal Treatment of Teeth With Irreversible Pulpitis

Public title

The effect of Hypnosis on stress, Pain, and success of Anesthesia when Performing Root Canal Therapy for Teeth

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion: Approval of irreversible pulpitis; Age between 13 and 60; Hypnotizability of patients; no drug usage, at least during the last 24 hours; Pain intensity more than 54 upon VAS; Capability of reading and comprehending the VAS form; Filling out the consent form Exclusion: Any medical disorder; Pregnancy or lactation; Allergy to Ibuprofen; Multiple Sclerosis

Age

From **13 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked*No information***Sample size**Target sample size: **120****Randomization (investigator's opinion)**

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

nothing

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Mazandaran University of Medical Sciences

Street address

Deputy of Research and Technology- Sari- Iran

City

Sari

Postal code

4816995475

Approval date

2013-05-29, 1392/03/08

Ethics committee reference number

9221

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

Diseases of pulp and periapical tissues

ICD-10 code

K04.4

ICD-10 code description

Irreversible Pulpitis

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

Pain

Timepoint

4, 8, 12, 24, 48, and 72 hours after completion of root canal therapy

Method of measurement

using VAS form

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

Stress

Timepoint

Before and After Root canal Therapy

Method of measurement

using Corah questionnaire

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

Control: Without any other intervention, the routine root canal therapy is done.

Category

Behavior

2**Description**

Guided Imagery: From 30 minutes prior to treatment commence the patients are wanted to imagine upon the therapists inductions while listening to the trance background music.

Category

Behavior

3**Description**

Adjunctive Hypnotherapy: The patients are fallen into hypnotic situation 30 minutes prior to treatment commence while listening the relaxing music.

Category

Behavior

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

Sari Dental School

Full name of responsible person

Dr Mohsen Ramazani, Associate Professor of Endodontics, and Hypnotherapist

Street address

Tooba Complex- Khazar Blv.- Sar-liran

City

Sari

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Deputy of Research and Technology of Mazandaran
University of Medical Sciences

Full name of responsible person

Dr Mohsen Ramazani

Street address

Sari Dental School- Khazar Blv.- Sari- Iran

City

Sari

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Deputy of Research and Technology of Mazandaran
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**

Mazandaran University of Medical Sciences

Full name of responsible person

Dr Mohsen Ramazani

Position

Associate Professor of Endodontics- Hypnotherapist

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inquiries

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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

