Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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

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.

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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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

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 Reasearch 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 questionaree

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 Comples- Khazar Blv.- Sar-Iiran
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
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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
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Dr Mohsen Ramazani
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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*