Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of Music on Reducing Anxiety During Surgical Extraction of Impacted Third Molar

Protocol summary

Study aim
Determining the Effect of Listening to Traditional Iranian Music on the Reduction of Anxiety During Inhalational Surgery

Design
48 patients needed surgical treatment of impacted molar teeth, in one group with music playback and once without music play.

Settings and conduct
This study was performed in patients requiring third molar surgery in a maxillofacial specialist's office

Participants/Inclusion and exclusion criteria
Age 18 to 40 years,Two teeth of the same wisdom in terms of Pell & Gregory's delicate teeth classification on one mandible. Remove both teeth,The same depth and integrity of the teeth of reason on both sides

Intervention groups
In this study, 48 qualified individuals (from both sexes) who were referred for private smear extracted toothache and who were candidates for third molar extraction on the sides of the mandible were selected, In two sessions of four weeks interval (in order to restore the initial side), one time the jaw teeth of the wisdom teeth without music play and in the other session of the wisdom teeth on the opposite side coincided with the broadcast of the musical surgery.

Main outcome variables
Reducing pain in patients during dental surgery

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20180504039522N1**
Registration date: **2018-05-28, 1397/03/07**
Registration timing: **retrospective**
Last update: **2018-05-28, 1397/03/07**
Update count: **0**

Registration date
2018-05-28, 1397/03/07

Registrant information

Name
Ali Heidari

Name of organization / entity

Country
Iran (Islamic Republic of)

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ali.heidari68@umasha.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2016-04-20, 1395/02/01

Expected recruitment end date
2016-09-21, 1395/06/31

Actual recruitment start date
2016-04-20, 1395/02/01

Actual recruitment end date
2016-09-21, 1395/06/31

Trial completion date
empty

Scientific title
Effect of Music on Reducing Anxiety During Surgical Extraction of Impacted Third Molar

Public title
Music on Reducing Anxiety During Surgical Extraction of Impacted Third Molar

Purpose
Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Age 18 to 40 years Two teeth of the same wisdom in terms of Pell & Gregory's delicate teeth classification on one mandible. Remove both teeth. The same depth and integrity of the teeth of reason on both sides

Exclusion criteria:

History of previous oral surgery People with a history of psychological problems Patients with severe systemic problems An unwilling person to listen to music

Age

From **18 years** old to **40 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **48**

Actual sample size reached: **48**

Randomization (investigator's opinion)

Not randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Hamadan University of Medical Sciences

Street address

Shahid Fahmida Blvd., Hamedan University of Medical Sciences

City

Hamadan

Province

Hamadan

Postal code

65231

Approval date

2016-02-20, 1394/12/01

Ethics committee reference number

IR.UMSHA.REC.1394.533

Health conditions studied

1

Description of health condition studied

Third implant surgery

ICD-10 code

Z96.5

ICD-10 code description

Presence of tooth-root and mandibular implants

Primary outcomes

1

Description

Pain intensity

Timepoint

Measures the severity of pain when playing music without music

Method of measurement

Beck Anxiety Anxiety Test

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: The study was a single-group study that in the study group, in two sessions of four weeks, Wisdom tooth surgically without music play.

Category

Treatment - Surgery

2

Description

Intervention group: The study was a single-group study that in the study group, in two sessions of four weeks, the Wisdom tooth on the opposite side, surgically with the music playback.

Category

Treatment - Surgery

Recruitment centers

1

Recruitment center

Name of recruitment center

Dental Clinic

Full name of responsible person

Ali Heidari

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Hamedan University of Medical Sciences
Full name of responsible person
Dr Saeed Bashirian
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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
Hamedan University of Medical Sciences
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
Hamedan University of Medical Sciences
Full name of responsible person
Ali Heidari
Position
Specialist Oral & Maxillofacial
Latest degree
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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

No - There is not 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

No - There is not 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

The total potential data can be shared after unidentifiable people

When the data will become available and for how long

Get started since 1398

To whom data/document is available

Researchers working in academia and academia

Under which criteria data/document could be used

Documentation is used only in scientific direction and pain relief for patients during treatment procedures

From where data/document is obtainable

Ali Heidari via Email aheidari55@yahoo.com

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

Request by email and receive within 72 hours of correspondence

Comments