# Clinical Trial Protocol
# Iranian Registry of Clinical Trials

07 Nov 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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**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**
Specialist
**Other areas of specialty/work**
Dentistry
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## Person responsible for scientific inquiries

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## Person responsible for updating data

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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**