Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Investigating the effect of music on pain of injuries in driving accident patients during transfer to hospital

Protocol summary

Summary

The objective of this study is to evaluate the effect of music therapy on pain of injuries in driving accidents in the pre hospital area. Inclusion criteria: being at the age of 18 to 60 years old; absence of hearing problem; absence of alertness at the scene of accident; not suffering from a known mental illness; absence of drug and alcohol addiction; no history of injury and previous pain experience. Exclusion criteria: serious hemodynamic instability such as active bleeding; reduced the level of consciousness Sample size is 100 patients. They were randomly divided into two intervention and control groups of 50 subjects. The intervention group listened to nature-based sounds through headphone for 30 minutes. There is no intervention in the control group and only routine is done. The main consequences of this study are pain intensity, heart rate and blood pressure.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017052934216N1**
Registration date: **2017-10-08, 1396/07/16**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-10-08, 1396/07/16

Registrant information

Name

Moslem Nazari

Name of organization / entity

Shiraz University of Medical Science

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research، Shiraz University of Medical Sciences

Expected recruitment start date

2017-04-17, 1396/01/28

Expected recruitment end date

2017-08-21, 1396/05/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating the effect of music on pain of injuries in driving accident patients during transfer to hospital

Public title

Investigating the effect of music on the pain of injuries in driving accidents

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: being at the age of 18 to 60 years old; absence of hearing problem; absence of alertness at the scene of accident; not suffering from a known mental illness; absence of drug and alcohol addiction; no history of injury and previous pain experience. Exclusion criteria: serious hemodynamic instability such as active bleeding; reduced the level of consciousness.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **100**
Randomization (investigator's opinion)
Randomized
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Six randomly selected freeway stations were selected randomly and the participants were divided into two groups of intervention and control through lottery.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Shiraz University of Medical Sciences
Street address
Shiraz University of Medical Sciences، Zand Blvd، Shiraz
City
Shiraz
Postal code
Approval date
2017-04-17, 1396/01/28
Ethics committee reference number
IR.SUMS.REC.1396.13

Health conditions studied

1

Description of health condition studied
Fractur of limbs
ICD-10 code
-
ICD-10 code description
-

Primary outcomes

1

Description
Heart rate
Timepoint
Minutes 10, 20 and 30 after the intervention
Method of measurement
By monitoring the injured person and Record in the vital signs chart

2

Description
Pain intensity
Timepoint
Minutes 10, 20 and 30 after the intervention.
Method of measurement
The verbal scale of pain and recorded in the form of pain assessment

3

Description
Blood pressure
Timepoint
Minutes 10, 20 and 30 after the intervention
Method of measurement
By blood pressure measuring devices and Record in the vital signs chart

Secondary outcomes

empty

Intervention groups

1

Description
In the intervention group, after completing the informed consent form, the music (voice of nature) was played through the headphone for 30 minutes during the transmission. During this period, the intensity of pain and the amount of blood pressure and heart rate were measured at 10th, 20th and 30th minute.
Category
N/A

2

Description
In the control group, no intervention other than routine interventions is not performed.
Category
N/A

Recruitment centers

1

Recruitment center
Name of recruitment center
Road Emergency Bases of Jahrom University of Medical Sciences
Full name of responsible person
Moslem Nazari

Street address
Medical Accidents and Emergencies Center, Jahrom University of Medical Sciences, Azadegan blvd, Jahrom
City
Shiraz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research، Shiraz University of Medical Sciences
Full name of responsible person
Dr Roxana Janghorban
Street address
Hazrat Zahra Faculty of Nursing and Midwifery, Namazai Square, Shiraz
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Shiraz
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، Shiraz 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
Shiraz University of Medical Sciences and Health Services
Full name of responsible person
Moslem Nazari
Position
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Person responsible for scientific inquiries

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Person responsible for updating data

Contact
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Shiraz University of Medical Science
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Position
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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