

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Jul 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

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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

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Shiraz

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Web page address

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

City

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

Master's degree in Internal Surgery Nursing

Other areas of specialty/work**Street address**

Medical Accidents and Emergencies Center, Jahrom
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Person responsible for updating data

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Full name of responsible person

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Position

Master's degree in Internal Surgery Nursing

Other areas of specialty/work**Street address**

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Web page address

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