Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Study the Effect of Music on Anxiety, Pain and Hemodynamic Parameters in Burn Patients During Dressing

Protocol summary

Summary

1.Objectives: To assess the effects of music on anxiety, pain and hemodynamic parameters in patients with burns during dressing changes. 2. Design and how to do: This randomized clinical trial on 86 patients 2 and 3 bed burns in the burn Taleghani Hospital Ahwaz done in 1395. The samples were randomly assigned to two groups will be music and control so that each group contains 43 patients. 3.Participants including major eligibility criteria: desire to participate in the Study ability to read and write-ages of 18-60 years of addiction to drugs and alcohol Lack of mental illness-burn 10 to 45 percent with grade 2 and 3 - lack of burns to the head and face and ears .What having trouble hearing traverse at least 3 nights and exclusion criteria were discharged from the hospital during the study and wanting to continue to participate in the study. 4.Intervention: Patients for three consecutive days during a dressing change by entering the dressing room to run and to control their favorite music, usually performed dressing change. 5. main outcome: music reduced pain and anxiety as well as blood pressure and heart rate adjusted band in comparison with the control group of burn patients.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016100429733N2**
Registration date: **2017-01-29, 1395/11/10**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2017-01-29, 1395/11/10

Registrant information

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Recruitment status

Recruitment complete

Funding source

Ahvaz Jundishapur University of Medical sciences

Expected recruitment start date

2016-12-21, 1395/10/01

Expected recruitment end date

2017-02-19, 1395/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Study the Effect of Music on Anxiety, Pain and Hemodynamic Parameters in Burn Patients During Dressing

Public title

The effect of music on burn pain

Purpose

Treatment

Inclusion/Exclusion criteria

Terms of Inclusion: Consent to Participate in Study; Ability to read and write; Age 18-60 years; Lack of addiction to drugs and alcohol; Lack of psychosexual disorders; Burn 10 to 45 percent with grade 2 & 3; No

burns the head and face and ears; Lack of hearing problem; stay minimum 3 night Terms of Exclusion: discharge during Study; The desire to withdraw from the study

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

Gender
Both

Phase
3

Groups that have been masked
No information

Sample size
Target sample size: **86**

Randomization (investigator's opinion)
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 Ahvaz Jundishapur University of Medical sciences

Street address
Ahvaz Jundishapur University of Medical sciences, Ahvaz, Golestan Blvd

City
Ahvaz

Postal code

Approval date
2016-08-13, 1395/05/23

Ethics committee reference number
IR.AJUMS.REC.1395.344

Health conditions studied

1

Description of health condition studied
Burn

ICD-10 code
T21-T22-T2

ICD-10 code description
Burn and corrosion of trunk,Burn and corrosion of shoulder and upper limb, except wrist and hand,Burn and corrosion of wrist and hand,Burn and corrosion of hip and lower limb, except ankle and foot,Burn and corrosion of ankle and foot

Primary outcomes

1

Description
Blood Presure

Timepoint
3 times in 3 days

Method of measurement
Mercury manometers

2

Description
Heart Rate

Timepoint
3 times in 3 days

Method of measurement
Manual

3

Description
pain

Timepoint
3 times in 3 days

Method of measurement
pain Chart

4

Description
Anxiety

Timepoint
3 times in 3 days

Method of measurement
Spielberger questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention: The intervention group will run for three consecutive days during a dressing change by entering the dressing room their favorite music

Category
Treatment - Other

2

Description
Control: control group performed for dressing as usual, no music and for three days

Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Burn Taleghani Hospital Ahvaz
Full name of responsible person
Fatemeh Jahangiri Mehr
Street address
Ayatollah Taleghani Hospital of Ahvaz, Khuzestan, Ahvaz, Amanollah Region, Mostaan Street
City
Ahvaz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research, Ahvaz Jundishapur University of Medical Sciences
Full name of responsible person
Behzad Sharif Makhmal Zadeh
Street address
Ahvaz Jundishapur University of Medical sciences, Ahvaz, Golestan Blvd
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Ahvaz
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, Ahvaz Jundishapur 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
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Person responsible for updating data

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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