

Clinical Trial Protocol

Iranian Registry of Clinical Trials

22 Jul 2026

Evaluation of the Effect of Music on Reduction of Anxiety and Depression of Patients During the Hemodialysis in Valliasr Hospital of Arak-Iran

Protocol summary

Summary

This Study was a crossover, single blind clinical trial that carried out on all available hemodialysis patients of Valliasr Hospital of Arak-Iran. 102 patients were eligible according to inclusion criteria such as: 1-Patients came for hemodialysis with any causes. 2 - Age between 20-80 years. 3- Patients with any kinds of disorders that music is harmful for them. 4-Patients acceptance of participation in study, and exclusion criteria such as: 1 - Patients who were used to music. 2 - Patients who used any kinds of substances and psychiatric drugs. 3- Patients who were suffering from hearing disorders. They were randomly divided into two groups and take intervention in crossover manner. Intervention period: hearing music during hemodialysis for 3 hours through a single MP3-Player with relaxation music phone without word of choice so that they can manage this process. Control period: the same way but without music. Wash out period: two weeks. We measured anxiety and depression at the beginning and end of hemodialysis as a Pre and Post-test that were evaluated by shpill-berger (Triat - State) anxiety scale and Beck Depression Inventory test.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201012165142N2**

Registration date: **2011-02-10, 1389/11/21**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2011-02-10, 1389/11/21

Registrant information

Name

Bahman Salehi

Name of organization / entity

Arak University of medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 86 1313 1610

Email address

dr.salehi@arakmu.ac.ir

Recruitment status

Recruitment complete

Funding source

vice chancellor for reseach, Arak University of Medical Siences

Expected recruitment start date

2010-01-30, 1388/11/10

Expected recruitment end date

2010-04-09, 1389/01/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the Effect of Music on Reduction of Anxiety and Depression of Patients During the Hemodialysis in Valliasr Hospital of Arak-Iran

Public title

Effect of music on anxiety and depression during dialysis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria such as: 1-Patients came for hemodialysis with any causes. 2 - Age between 20-80 years. 3- Patients with any kinds of disorders that music is harmful for them. 4-Patients acceptance of participation in study. Exclusion criteria such as: 1 - Patients who were

used to music. 2 - Patients who used any kinds of substances and psychiatric drugs. 3- Patients who were suffering from hearing disorders.

Age

From **20 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **102**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Crossover

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Arak University of Medical Sciences

Street address

Pardiss site, Basije Square

City

Arak

Postal code

6941-7-38481

Approval date

2009-10-11, 1388/07/19

Ethics committee reference number

7-61-88

Health conditions studied

1

Description of health condition studied

Depression

ICD-10 code

F32

ICD-10 code description

Depressive episode

2

Description of health condition studied

Anxiety

ICD-10 code

F40

ICD-10 code description

Phobic anxiety disorders

Primary outcomes

1

Description

Reduction of anxeity and Depression

Timepoint

Before and After intervention and then After 2 weeks (wash-out)

Method of measurement

Shpill-burger (Trait-State) anxeity scale and Beck depression inventory scale

Secondary outcomes

empty

Intervention groups

1

Description

Control period: The same way but without music.

Category

N/A

2

Description

Intervention period: Hearing music during hemodialysis for 3 hours through a single MP3- Player with relaxation music phone without word of choice so that they can manage this process.

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Valliasr Hospital, Hemodialysis ward

Full name of responsible person

Dr.Bahman-Salehi

Street address

Valliasr Sqaure

City

Arak

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Arak University of

Medical Sciences

Full name of responsible person

Dr. Saeed Chagizi Ashtiyani

Street address

Pardiss site of Arak University of Medical Sciences,
Basige squire

City

Arak

Grant name

طرح مصوب تفویض اختیاری دانشکده پزشکی اراک

Grant code / Reference number

375

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Vice chancellor for research, Arak 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

Arak University of Medical Sciences

Full name of responsible person

Dr.Bahman Salehi

Position

Psychiatric Associate Proffesor of Arak University of Medical Sciences

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

Arak University of Medical Sciences- Psychiatric ward

Full name of responsible person

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Position

Psychiatric Associate Professor of Arak University of Medical Sciences

Other areas of specialty/work

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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