Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 2026

Assessment the effect of Tavvasol Praying on anxiety and physiologic parameters in patients with myocardial infarction admitted to Coronary Care Unit

Protocol summary

Summary

The purpose of this study is to determine the effect of the Tavvasol Praying on anxiety and physiological parameters in patients with myocardial infarction admitted to coronary care unit at Ayatullah Rouhani hospital, Babol, Iran. Inclusion criteria: age older than 40 years, Muslim and Shiite, lack of history of anxiety and psychiatric disorders, lack of hearing problems, hospitalization for the first time in the Cardiac Care Unit. Exclusion criteria: taking a sedative medication during the study, going under cardiopulmonary resuscitation during the study and have a dysrhythmia during the study. This study is a single blinded clinical trial (blinding will be done for the information analysts). Data will be collected in two groups of intervention and control on 80 patients in random blocks. Data will be gathered by Demographic Questionnaire, Hospital Anxiety questionnaire and physiological parameters sheet. The intervention consists of Playing the audio file of the Tavvasol Praying via headphone for the intervention group, 6 hours after admission to CCU and 24 hours later. Control group will receive routine care. Anxiety and physiological indicators for the prayer therapy group 6 hours after entering the department and immediately after Playing Prayer and in the control group 6 hours after arrival to CCU and immediately after the same time as playing the file for intervention group will be measured. This process is repeated 24 hours after admission to CCU in both two groups.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017071818550N5**
Registration date: **2017-08-15, 1396/05/24**
Registration timing: **prospective**
Last update:
Update count: **0**

Registration date

2017-08-15, 1396/05/24

Registrant information

Name

Nayyereh Raiesdana

Name of organization / entity

Semnan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research and technology, Semnan University of Medical Sciences

Expected recruitment start date

2017-08-23, 1396/06/01

Expected recruitment end date

2017-12-22, 1396/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment the effect of Tavvasol Praying on anxiety and physiologic parameters in patients with myocardial infarction admitted to Coronary Care Unit

Public title

Tavvasol Praying for anxiety

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: Age over 40; Muslim and Shiite; lack of history of anxiety and psychiatric disorders; lack of hearing problems; hospitalization for paradise in cardiac care unit Exclusion criteria: Taking a sedative during the study; under the cardio-pulmonary resuscitation of the CCU during the study and heart dysrhythmias during the study

Age

From **40 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **80**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic Committee of Semnan University of Medical Sciences

Street address

Semnan University of Medical Sciences, Basij Bolevard, Semnan, Iran

City

Semnan

Postal code

3513138111

Approval date

2017-07-12, 1396/04/21

Ethics committee reference number

IR.SEMUMS.REC.1396.88

Health conditions studied

1

Description of health condition studied

Anxiety

ICD-10 code

F41.9

ICD-10 code description

Anxiety disorder, unspecified

Primary outcomes

1

Description

Anxiety

Timepoint

In 4 times: 6 hours after hospitalization in CCU, immediately after intervention for first time and 24 hours after first time intervention and immediately after intervention for second time

Method of measurement

Hospital Anxiety questionnaire

Secondary outcomes

1

Description

Blood Pressure

Timepoint

In 4 times: 6 hours after hospitalization in CCU, immediately after intervention for first time and 24 hours after first time intervention and immediately after intervention for second time

Method of measurement

Digital Spyghmomanometer

2

Description

Heart Rate

Timepoint

In 4 times: 6 hours after hospitalization in CCU, immediately after intervention for first time and 24 hours after first time intervention and immediately after intervention for second time

Method of measurement

Digital manometer

3

Description

O2 Saturation

Timepoint

In 4 times: 6 hours after hospitalization in CCU, immediately after intervention for first time and 24 hours after first time intervention and immediately after intervention for second time

Method of measurement

Digital Pulse Oximeter

4

Description
Body Temperature
Timepoint
In 4 times: 6 hours after hospitalization in CCU, immediately after intervention for first time and 24 hours after first time intervention and immediately after intervention for second time
Method of measurement
Digital Tympanic Membrane termometer

5

Description
Respiration Rate
Timepoint
In 4 times: 6 hours after hospitalization in CCU, immediately after intervention for first time and 24 hours after first time intervention and immediately after intervention for second time
Method of measurement
Digital manometer

Intervention groups

1

Description
Intervention1: Playing the audio file of the Tavvasol Praying via headphones, at 6 hour after admission to CCU and 24 hours after first time playing.
Category
Other

2

Description
Intervention 2: Control group recieve routine care.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Ayatollah Rouhani Hospital of Babol
Full name of responsible person
Ayatollah Rouhani Hospital, University Square, Keshavarz Street, Babol
Street address
Rahmat Shafie Pour Sadati
City
Babol

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research and technology, Semnan University of Medical Sciences
Full name of responsible person
Professor Ali Rashidy pour
Street address
Vice chancellor for research and technology, Semnan University of Medical Sciences,.Basij Bolevard, Semnan, Iran
City
Semnan
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 and technology, Semnan 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
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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