

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 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

Country

Iran (Islamic Republic of)

Phone

+98 23 3345 3867

Email address

nr_dana@semums.ac.ir

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 thermometer

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 receive 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

Semnan University of Medical Sciences

Full name of responsible person

Nayyereh Raiesdana

Position

PhD. Assistant Professor

Other areas of specialty/work

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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