

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 May 2026

The effect of listening to quran's prayers on anxiety and vital signs before an elective surgery

Protocol summary

Summary

More than 60-80 percent of patients suffer from preoperative anxiety. It seems, the religious beliefs have an important role in anxiety prevention and its treatment. This study was performed to identify the effectiveness of listening to prayers on anxiety and vital signs before elective surgery. This is a single blind, double group clinical trial. 64 patients who were scheduled to undergo an elective general surgery, randomly assigned in two groups of pray and control groups. The patients were neither aware of random assignment process, nor the existence of control groups. The study settings were surgical wards. Subjects in pray group listened to holly Quran's pray for 15 minutes by mp3 player with headphones at preoperative night (8-10); control group received no intervention by the headphones. Spielberg's Anxiety scale is used before and after intervention in two groups and vital signs were measured too. Patients who had high level anxiety were excluded from the study. Data were analyzed with spss (v.18).

General information

Acronym

Quran's prayers

IRCT registration information

IRCT registration number: **IRCT201206058076N2**

Registration date: **2014-10-31, 1393/08/09**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-10-31, 1393/08/09

Registrant information

Name

Vida Tayebi

Name of organization / entity

Northern Khorasan University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 58 4225 4808

Email address

vi_tay@nkums.ac.ir

Recruitment status

Recruitment complete

Funding source

North khorasan University of Medical Sciences

Expected recruitment start date

2011-04-04, 1390/01/15

Expected recruitment end date

2011-06-05, 1390/03/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of listening to quran's prayers on anxiety and vital signs before an elective surgery

Public title

The effect of listening to quran's prayers on anxiety and vital signs before an elective surgery

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: age between 18-65 years old; both gender; being completely awake; ability to read and write and being muslim. Exclusion criteria: hearing problems; use of anti anxiety and tranquilizers; known psychotic disorders; addiction; severe and very severe anxiety score's patients; history of cancers and having surgery

with psychotic complications

Age

From **18 years** old to **65 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **64**

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

North khorasan university of medical sciences

Street address

North khorasan university of medical sciences-dovlat
blvd.-Bazargani squ.-Bojnurd

City

Bojnurd

Postal code

Approval date

2011-03-15, 1389/12/24

Ethics committee reference number

228/89/پ

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

before intervention, 20 minute after intervention

Method of measurement

Spielberg' s Anxiety questionnaire-brachial digitally blood
pressure monometer-watch

Secondary outcomes

empty

Intervention groups

1

Description

Subjects in pray group listened to holey Quran's pray for
15 minutes by mp3player with head phones at
preoperative night (8 -10) . Spielberg' s Anxiety scale is
used before and after intervention in this group and vital
signs were measured too.

Category

Prevention

2

Description

Subjects in control groupreceived no intervention by the
head phones for 15 minutes at preoperative night (8
-10) . Spielberg' s Anxiety scale is used before and after
intervention in this group and vital signs were measured
too.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam ali hospital

Full name of responsible person

Street address

Velayat Ave.

City

Bojnurd

2

Recruitment center

Name of recruitment center

samen-al-aeme hospital

Full name of responsible person

Street address

Hor Ave.

City

Bojnurd

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

North Khorasan University of Medical Sciences

Full name of responsible person

Samira Salimi

Street address

North Khorasan University of Medical Sciences,
Bazargani squ.

City

Bojnurd

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

North Khorasan 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**

North Khorasan University of Medical Sciences

Full name of responsible person

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Position

Master of science in nursing, faculty member

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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