

Clinical Trial Protocol

Iranian Registry of Clinical Trials

21 Jun 2026

The Effect of Problem-Solving Skills Training by multi media on the Level of Anxiety Caused by COVID-19 among Nursing Students of Hazrat Fatemeh School of Nursing and Midwifery in Shiraz

Protocol summary

Study aim

Determining the effect of multi-media problem solving skill training on the average anxiety caused by COVID-19 in nursing students of Hazrat Fatemeh College of Nursing and Midwifery in Shiraz.

Design

A clinical trial with a control group with parallel groups, double-blind, randomized

Settings and conduct

The place of study is Hazrat Fatemeh Faculty of Nursing and Midwifery, Shiraz University of Medical Sciences. In this study, the participants, the person who collects the information, and the statistician will be blind until the end of the study and the completion of data analysis and reporting.

Participants/Inclusion and exclusion criteria

Inclusion criteria: the students had smart mobile phones and were able to use mobile software. They were known not to suffer from acute psychological diseases. They had not completed another training course in the field of problem solving skills. Exit criteria: the student's unwillingness to continue cooperating in the study; failure to complete the (electronic) questionnaire completely; lack of student anxiety, which is determined based on the score of the questionnaire

Intervention groups

Then multimedia educational content is provided to the participants in the intervention group. After the end of the interventions, in order to comply with the ethical standards, the multimedia educational content is also provided to the control group.

Main outcome variables

Anxiety caused by covid 19

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20221207056745N1**

Registration date: **2023-01-21, 1401/11/01**

Registration timing: **registered_while_recruiting**

Last update: **2023-01-21, 1401/11/01**

Update count: **0**

Registration date

2023-01-21, 1401/11/01

Registrant information

Name

Mohamadreza Ghasemian

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 13 3354 6563

Email address

m.reza.ghasemian1994@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-12-22, 1401/10/01

Expected recruitment end date

2023-02-20, 1401/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Problem-Solving Skills Training by multi

media on the Level of Anxiety Caused by COVID-19 among Nursing Students of Hazrat Fatemeh School of Nursing and Midwifery in Shiraz

Public title

The Effect of Problem-Solving Skills Training by multi media on the Level of Anxiety Caused by COVID-19 among Nursing Students

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Students should have smart mobile phones and be able to use mobile software Not suffering from known acute psychological and cognitive diseases Failure to participate in another training course in the field of problem solving skills

Exclusion criteria:

The student's unwillingness to continue cooperating in the study Failure to complete the (electronic) questionnaire completely Lack of student anxiety, which is determined based on the score of the questionnaire

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

- Participant
- Investigator
- Outcome assessor
- Data analyser

Sample size

Target sample size: 66

Randomization (investigator's opinion)

Randomized

Randomization description

First, we get the distance or k number by dividing the number of members of the studied community by the number of sample members. We prepare a list of sample names. We choose names in equal intervals. Then, using random block software, 66 participants will be randomly placed in two blocks A and B. Using this method, the people assigned to each of the blocks will be equal to 33 people. Finally, they will be placed in two intervention and control groups by using the top coin.

Blinding (investigator's opinion)

Double blinded

Blinding description

In this study, the participants, the person who collects the data and the person who performs the data analysis, are blinded to the grouping of the samples into two intervention and control groups.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Shiraz University of Medical Sciences

Street address

Hazrat Fatima College of Nursing and Midwifery, Namazi Hospital, Namazi Square, Shiraz

City

shiraz

Province

Fars

Postal code

4691758974

Approval date

2022-10-22, 1401/07/30

Ethics committee reference number

IR.SUMS.NUMIMG.REC.1400.004

Health conditions studied

1

Description of health condition studied

Anxiety caused by COVID-19

ICD-10 code

Anxiety

ICD-10 code description

F41.1

Primary outcomes

1

Description

Problem solving

Timepoint

Before the start of the intervention, immediately after the intervention, one month after the end of the intervention

Method of measurement

Questionnaire made by the researcher of demographic information. Corona Disease Anxiety Scale (CDAS)

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: The educational content prepared with the help of electronic hub of Shiraz University of

Medical Sciences is shared in the form of audio and video files during three 30-minute sessions via mobile phone on WhatsApp social network among the intervention group. And there will be a group question and answer.

Category

Lifestyle

2**Description**

Control group: They did not receive any intervention

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

Hazrat Fatemeh School of Nursing and Midwifery affiliated to Shiraz University of Medical Sciences

Full name of responsible person

Mohammad Reza Ghasemian

Street address

Hazrat Fatima College of Nursing and Midwifery, Namazi Hospital, Namazi Square, Shiraz

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m.reza.ghasemian1994@gmail.com

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Shiraz University of Medical Sciences

Full name of responsible person

Dr. Mohammad Hashem Hashem Poor

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hashempurm@sums.ac.ir

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

Yes

Title of funding source

Shiraz University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries**Contact****Name of organization / entity**

Shiraz University of Medical Sciences

Full name of responsible person

Mohamadreza Ghasemian

Position

Masters student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

Shiraz University of Medical Sciences

Full name of responsible person

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Person responsible for updating data

Contact

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Full name of responsible person

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

The information obtained from this research will be published in the form of a master's thesis

When the data will become available and for how long

It will be published after the completion of the thesis and the graduation of the student. It is possible to start accessing it from October 1402

To whom data/document is available

Professors and students of medical sciences

Under which criteria data/document could be used

Educational use, educational planning, consulting

From where data/document is obtainable

Hazrat Fatemeh (S) Shiraz College of Nursing and Midwifery Library

What processes are involved for a request to access data/document

People can access the thesis online on the website of the faculty library or visit the library in person

Comments