Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The effect of family-centered multimedia training (telenursing) on care burden and perceived stress of caregivers of elderly with heart attack

Protocol summary

Study aim
determination The effect of family-centered multimedia training (telenursing) on care burden and perceived stress of caregivers of elderly with heart attack.

Design
A clinical trial with a control group is conducted with 60 patients

Settings and conduct
All caregivers of heart attack patients hospitalized in Kurdkoy Hospital, who will be divided into two intervention and control groups using a simple random sampling method with the help of a random number table.

Participants/Inclusion and exclusion criteria
Willingness to participate in research Living with the patient in the same house Reading and writing literacy Absence of speech and hearing problems Access to the phone at home and virtual networks Withdrawal of cooperation Disconnecting the family caregiver's phone connection with the researcher more than twice

Intervention groups
In the intervention group, a training session is held through multimedia software (sound, video, image and animation) under the title of a one-day 2-3-hour workshop for the active family member at the bedside of the patient admitted to the ward. After the discharge of the patients, the researcher will contact the families by phone for 1 month (once a week) and the patient and their caregivers will be supported. In the control group, there is no intervention and they receive all routine nursing care.

Main outcome variables
1-Multimedia training 2-Care burden 3-Perceived stress

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20220905055894N1**
Registration date: **2023-02-01, 1401/11/12**
Registration timing: **registered_while_recruiting**

Last update: **2023-02-01, 1401/11/12**
Update count: **0**

Registration date
2023-02-01, 1401/11/12

Registrant information

Name
Nadia Kolbadinezhad

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 17 3436 8023

Email address
nadiakolbadinezhad@gmail.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2022-03-21, 1401/01/01

Expected recruitment end date
2023-06-20, 1402/03/30

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of family-centered multimedia training (telenursing) on care burden and perceived stress of caregivers of elderly with heart attack

Public title

The effect of family-centered multimedia training (telenursing) on care burden and perceived stress of caregivers of elderly with heart attack

Purpose
Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:
Willingness to participate in research Reading and writing literacy Not having speech and hearing problems Access to the phone at home and virtual networks

Exclusion criteria:
Withdrawal of cooperation Disconnecting the family caregiver's phone connection with the researcher more than twiceCommunity Verified icon

Age
From **60 years** old

Gender
Both

Phase
1

Groups that have been masked
No information

Sample size
Target sample size: **60**

Randomization (investigator's opinion)
Randomized

Randomization description
The samples are selected in the Convenience Sampling Using a simple random sampling method and with the help of a table of random numbers, the participants are divided into two intervention and control groups.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Other

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee in research of Islamic Azad University, Babol branch

Street address
One kilometer of Bandargaz-Sari highway

City
bandargaz

Province
Golestan

Postal code
کدپستی: ۴۸۷۳۱-۹۷۱۷۹

Approval date
2023-01-23, 1401/11/03

Ethics committee reference number
IR.IAU.BABOL.REC.1401.088

Health conditions studied

1

Description of health condition studied
elderly

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description
care burden and perceived stress

Timepoint
Before the intervention and 30 days after the intervention

Method of measurement
questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: In the intervention group, a training session is held through multimedia software (sound, video, image and animation) under the title of a 2-3-day workshop for the active family member at the bedside of the patient in the ward. After the discharge of the patients The researcher will contact the families by phone for 1 month (once a week) and their patients and their caregivers will be supported. In the control group, there will be no intervention and they will receive all routine nursing care. .Community Verified icon

Category
Rehabilitation

Recruitment centers

1

Recruitment center

Name of recruitment center
Amir Almomenin Hospital

Full name of responsible person
Nadia Kolbadinezhad

Street address
One kilometer of Bandargaz highway to Sari.

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Islamic Azad University
Full name of responsible person
Dr Afshin Kadri
Street address
Islamic Azad University Bandargaz Brunch
City
Bandargaz
Province
Golestan
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Web page address
https://bandargaz.iau.ir
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Islamic Azad University
Proportion provided by this source
80
Public or private sector
Private
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
Islamic Azad University
Full name of responsible person
Nadia Kolbadinezhad
Position
Instructor
Latest degree
Master
Other areas of specialty/work
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be 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

Yes - There is 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

Information about the main outcome or similar can be shared.

When the data will become available and for how long

The access period begins 6 months after the results are published.

To whom data/document is available

Medical researchers

Under which criteria data/document could be used

Pulication Of Article

From where data/document is obtainable

https://bandargaz.iau.ir

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

Article

Comments