Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Investigating the effectiveness of multimedia education with the Luntal model approach based on telephone follow-up (telenursing) in comparison with routine CCU care on improving the lifestyle and understanding of the disease of patients with atrial fibrillation

Protocol summary

Study aim
Determining the impact of multimedia training on the lifestyle and understanding of the disease of patients with atrial fibrillation

Design
A controlled, parallel-group, randomized, community-based, practice-oriented clinical trial.

Settings and conduct
The place where the study was conducted was the CCU department of Ayatollah Kashani and Hajar hospitals in Shahrekord city. The study population was patients with atrial fibrillation. Blinding was not done in this study.

Participants/Inclusion and exclusion criteria
Inclusion criteria: definitive diagnosis; Admitted to the CCU of Shahrekord Kashani and Hajer hospitals. Non-inclusion criteria: age less than 35 years and more than 70 years; Atrial fibrillation patients with a pacemaker

Intervention groups
Intervention group: Two training sessions will be held through multimedia software (sound, video, image and animation) under the title of 1-hour training workshop for patients on a coordinated date and time in one of the platforms available on the web.Control group: the routine program of the special department is implemented.

Main outcome variables
Disease perception; lifestyle

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20181122041720N3**
Registration date: **2022-08-05, 1401/05/14**
Registration timing: **registered_while_recruiting**
Last update: **2022-08-05, 1401/05/14**
Update count: **0**

Registration date
2022-08-05, 1401/05/14

Registrant information

Name
Shirin Madadkar

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 38 3338 2382

Email address
shirinmadadkar@gmail.com

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2022-07-23, 1401/05/01

Expected recruitment end date
2022-09-23, 1401/07/01

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Investigating the effectiveness of multimedia education with the Luntal model approach based on telephone follow-up (telenursing) in comparison with routine CCU care on improving the lifestyle and understanding of the disease of patients with atrial fibrillation

Public title

Investigating the effect of education among atrial fibrillation patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Definitive diagnosis of a cardiologist in the case of atrial fibrillation and fixed rhythm Hospitalized in the ccu department of Kashani and Hajar Shahrekord Hospital Ability to communicate by phone The ability to speak in Farsi and not have speech, hearing, or vision problems

Exclusion criteria:

Patients under 35 years old and over 70 years old Atrial fibrillation patients with a pacemaker

Age

From **35 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **60**

Randomization (investigator's opinion)

Randomized

Randomization description

The samples will be randomly placed in the mentioned groups (intervention and control). In this way, each patient is given a number from 1 to 60 and the patients are randomly assigned to two groups A (intervention) and B (control) using a table of random numbers.

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shahrekord branch of Islamic Azad University

Street address

Rahmatieh

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Approval date

2022-04-20, 1401/01/31

Ethics committee reference number

IR.IAU.SHK.REC.1401.010

Health conditions studied

1

Description of health condition studied

Atrial fibrillation

ICD-10 code

I48

ICD-10 code description

Atrial fibrillation and flutter

Primary outcomes

1

Description

life style

Timepoint

Before the intervention and one month after the intervention

Method of measurement

Walker's HPLP2 health-enhancing lifestyle questionnaire

2

Description

Disease perception

Timepoint

Before the intervention and one month after the intervention

Method of measurement

Illness Perception Questionnaire IPQ-R

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In the intervention group, two training sessions will be held through multimedia software (sound, video, image and animation) under the title of 1-hour training workshop for patients on a coordinated date and time in one of the platforms available on the web.In the intervention group, in addition to educational workshops, telephone intervention is also conducted by the researcher for 1 month (once a week).

Category

Prevention

2

Description

Control group: There is no intervention in the control group and only all nursing routine care is received.

Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Ayatollah Kashani Hospital
Full name of responsible person
Shirin Madadkar
Street address
Ayatollah Kashani Hospital Hagar Shahrekord; Parastar Street
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2

Recruitment center
Name of recruitment center
Hagar Shahrekord Hospital
Full name of responsible person
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Islamic Azad University
Full name of responsible person
Dr. Farshid Khairi
Street address
Islamic Azad University of Shahrekord; Rahmatieh
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
No
Title of funding source
Research Deputy of Islamic Azad University, Shahrekord Branch
Proportion provided by this source
100
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
Shirin Madadkar
Position
Lecturer
Latest degree
Master
Other areas of specialty/work
Nursery
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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

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable