

Clinical Trial Protocol

Iranian Registry of Clinical Trials

24 Jul 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 Hajar 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

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Phone

+98 38 3336 1000

Email

Kashani@skums.ac.it

2

Recruitment center

Name of recruitment center

Hagar Shahrekord Hospital

Full name of responsible person

Shirin Madadkar

Street address

Hospital Hagar Shahrekord; Parastar Street

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

881571347

Phone

+98 38 3222 0016

Email

info@skums.ac.ir

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

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Phone

+98 38 3336 1000

Email

info@skums.ac.ir

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

Street address

Islamic Azad University of Shahrekord; Rahmatieh

City

Shahrekord

Province

Chahar-Mahal-va-Bakhtiari

Postal code

8813733395

Phone

+98 913 977 5406

Email

shirinmadadkar@gmail.com

Person responsible for scientific 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
Street address
Islamic Azad University of Shahrekord; Rahmatieh
City
Shahrekord
Province
Chahar-Mahal-va-Bakhtiari
Postal code
8813733395
Phone
+98 38 3336 1000
Email
shirinmadadkar@gmail.com

Person responsible for updating data

Contact

Name of organization / entity
Islamic Azad University
Full name of responsible person
Shirin Madadkar
Position
Lecturer
Latest degree
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Nursery
Street address

Islamic Azad University of Shahrekord; Rahmatieh
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Email
shirinmadadkar@gmail.com

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