

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

The effect of the role pf liaison nurse on anxiety ,satisfaction and medication adherence in cardiac patients referring to the emergency ward of selected Aja hospital in Tehran

Protocol summary

Study aim

Determining the effect of the role of the emergency liaison nurse on anxiety, satisfaction with medication adherence in cardiac patients who referred to the emergency room of AJA selected hospitals in Shahrnharan in 1402

Design

A randomized controlled clinical trial, before and after

Settings and conduct

The research was carried out in the emergency department of Golestan Hospital in Tehran by a researcher (liaison nurse) with 18 years of experience working in cardiac departments on cardiac patients. Intervention, psychological and educational support and... completion of anxiety questionnaires before and after the intervention and satisfaction after the intervention and completion of the medication compliance questionnaire after two weeks in the group. Intervention and completion of the same questionnaires without control in the test group, and then comparison in the test and intervention group

Participants/Inclusion and exclusion criteria

Cardiac patients who refer to the emergency room who take medicine - patients who are under 18 and over 65 years old, and neuropsychiatric patients

Intervention groups

Cardiac patients who refer to the emergency room, where the nurse accompanies them from the moment they arrive until they are discharged from the emergency room, and provides them with services such as emotional support training and the necessary guidance.

Main outcome variables

Anxiety, satisfaction, medication compliance

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20231002059585N1**

Registration date: **2024-01-26, 1402/11/06**

Registration timing: **prospective**

Last update: **2024-01-26, 1402/11/06**

Update count: **0**

Registration date

2024-01-26, 1402/11/06

Registrant information

Name

Fatemeh Vafaei

Name of organization / entity

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2024-02-04, 1402/11/15

Expected recruitment end date

2024-09-20, 1403/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of the role pf liaison nurse on anxiety

,satisfaction and medication adherence in cardiac patients referring to the emergency ward of selected Aja hospital in Tehran

Public title

Investigating the effect of liaison nurse on satisfaction ,anxiety and medication compliance in cardiac patients

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria:

Age over 18 and over 65 years old
Aware of time and place
Not having mental illness and not having cognitive problems (Based on self-report)
Going to the emergency room due to heart problems and taking heart medications

Exclusion criteria:

Free cancellation of cooperation
Occurrence of unpredictable events during the transfer process (such as cardiorespiratory arrest and patient resuscitation)

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: **38**

Randomization (investigator's opinion)

Randomized

Randomization description

Simple random assignment (coin toss)
Simple random allocation (tossing a coin), and sampling will be of an easy type (accessible), so if the coin is tossed and it lands on the tap, the first patient who goes to the emergency room who meets the conditions of the research is considered the intervention group and the next patient of the test, and vice versa, if it lands on the line, the second patient is the intervention and the first patient. The test is considered, and until the last sample, we consider an intervention patient and a test patient, respectively, until the end of the samples.

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

دانشگاه علوم پزشکی ارتش

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Approval date

2023-08-28, 1402/06/06

Ethics committee reference number

IR.AJAUMS.REC.1402.094

Health conditions studied

1

Description of health condition studied

Cardiac patients referred to the emergency room who have a history of drug use

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

anxiety

Timepoint

At least an hour

Method of measurement

Spielberger anxiety questionnaire

Secondary outcomes

1

Description

satisfaction

Timepoint

From an hour to a day

Method of measurement

The satisfaction questionnaire of Wolf et al

2

Description

Morisky medication adherence

Timepoint

two weeks

Method of measurement

Morisky medication adherence questionnaire

Intervention groups

1

Description

Intervention group: Cardiac patients referred to the emergency room who do meet the conditions for the study were selected from the beginning of entering the emergency room, and after explaining the method and objectives of the study to them and their companions, written informed consent was obtained, and before the intervention, demographic and personal information was taken, and the anxiety questionnaire number 1 was placed in the patient's possession and completed, then the liaison nurse began to The intervention, which includes two parts of psychological support to reduce anxiety and increase the level of satisfaction and... and the other part of educational support and giving awareness about the disease, treatments, and the use of drugs, etc., is carried out, and then when being discharged or transferred to the inpatient department, the anxiety questionnaire 2 Next) it will be filled by the patient, then the patient will be monitored and supported by phone for 2 weeks. After 2 weeks, the medication compliance questionnaire is asked and filled by the researcher over the phone.

Category

Other

2

Description

Control group: In this group, only at the beginning of the selection of the patient who is willing to study, sufficient explanations are given to the patient about the method and objectives of the study, and first, written informed consent and demographic and personal information are obtained, and the anxiety questionnaire is filled in by the patient, and no intervention is performed during the discharge of the patient. After leaving the emergency department for hospitalization, the anxiety questionnaire and the satisfaction questionnaire are filled out, and then 2 weeks later, the medication compliance questionnaire is filled out by phone.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Golestan Hospital Emergency

Full name of responsible person

Fatima Wafai

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

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Full name of responsible person

رضا مسعود

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Artesh 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

Artesh University of Medical Sciences

Full name of responsible person

Fatama Wafai

Position

Senior nursing student nurse

Latest degree

Bachelor

Other areas of specialty/work

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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

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

spss file of data

When the data will become available and for how long

22/08/2024

To whom data/document is available

all people such as samples and researchers

Under which criteria data/document could be used

In order to check the accuracy of the data and the analyzes performed, the data will be provided to the journal in which the article will be published. Apart from this, the research team does not consider other special conditions

From where data/document is obtainable

By emailing the responsible author of the article:
fatemehvafae135@gmail.com MOBILE:09126349447

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

In order to check the accuracy of the data and the analyzes performed, the data will be provided to the journal in which the article will be published. Apart from this, the research team does not consider other special conditions

Comments