

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Jul 2026

The effect of the Intensive care unit liaison nurse's role on patient's outcomes following transition from cardiovascular surgery intensive care unit (ICU - CVS)

Protocol summary

Study aim

the effect of the role of the nurse liaison of the LNICU Intensive Care Unit on the patient's outcomes following transfer from the cardiac surgery department

Design

Clinical trial with control and control groups, one-way blind, sampling was performed by available patients.

Settings and conduct

Research in Jamaran Heart Hospital is performed on patients with cardiac surgery that can be transferred to the ward.

Participants/Inclusion and exclusion criteria

Ability to understand and speak Persian Transfer to the public sector according to the routine of the department and not as an emergency (transfer after 48 hours) The first experience of open heart surgery Age over 18 years Lack of disease or disability such as Alzheimer's, severe depression, hallucinations and pathological delusions The patient should be aware of the place, time and person. Lack of willingness to continue working on the study Transfer from the intensive care unit to cardiac surgery to other intensive care units The occurrence of any unforeseen events that lead to the patient's return, such as (rhythm rhythm or hemodynamic abnormalities)

Intervention groups

Accompanying and supporting the patient and preparing the patient for transfer from the intensive care unit to the general ward Educate the patient to increase self-care, patient delivery based on the ISBAR form and provide a complete report of medical history, treatment process, Required care, important points and follow-ups required by the patient to the ward staff, monitoring and ensuring the implementation of required care programs during the patient's hospitalization

Main outcome variables

Intensive care unit nurse, pleural effusion, pericardial effusion, atelectasis, readmission, length of hospital stay,

patient satisfaction, hospital anxiety and depression

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20191225045890N1**

Registration date: **2021-02-19, 1399/12/01**

Registration timing: **retrospective**

Last update: **2021-02-19, 1399/12/01**

Update count: **0**

Registration date

2021-02-19, 1399/12/01

Registrant information

Name

Fatemeh Keyvanlou shahrestanaki

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 7779 7446

Email address

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2020-08-10, 1399/05/20

Expected recruitment end date

2020-11-20, 1399/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of the Intensive care unit liaison nurse's role on patient's outcomes following transition from cardiovascular surgery intensive care unit (ICU - CVS)

Public title

The effect of the Intensive care unit liaison nurse's role on patient's outcomes following transition from cardiovascular surgery intensive care unit (ICU - CVS)

Purpose

Supportive

Inclusion/Exclusion criteria**Inclusion criteria:**

Ability to understand and speak Persian Transfer to the ward according to the routine section Over 18 years of age Lack of disease or disability Be aware of place and time and person.

Exclusion criteria:

Lack of cooperation in the study Transfer from the intensive care unit to cardiac surgery to other intensive care units The occurrence of any unforeseen events that lead to the patient's return, such as (dis Rhythmi or hemodynamic abnormalities)

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **66**

Randomization (investigator's opinion)

Not randomized

Randomization description**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**

Ethics committee of Baqiyatallah University of medical sciences

Street address

No. 7/Nirou havaei St.8/26

City

tehran

Province

Tehran

Postal code

1749663837

Approval date

2020-03-16, 1398/12/26

Ethics committee reference number

IR.BMSU.BAQ.REC.1398.053

Health conditions studied**1****Description of health condition studied**

role liaison nurse

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Hospital Anxiety and Depression

Timepoint

When transferring a patient from the intensive care unit and when discharging from the hospital

Method of measurement

Use of Hospital Anxiety Depression scale Questionnaire

2**Description**

Patient satisfaction

Timepoint

When transferring the patient from the intensive care unit to the general ward and when discharging the patient from the hospital

Method of measurement

Using a standard questionnaire of patient satisfaction Instrument

3**Description**

Duration of hospitalization

Timepoint

From the initial hospitalization of the patient in the intensive care unit until the end of discharge from the hospital

Method of measurement

the number of days of hospitalization

4**Description**

Readmission

Timepoint

Within 14 days after discharge from the hospital

Method of measurement

Telephone contact with the patient and hospital admission

5

Description

Blood retention syndrome (pericardial and pleural effusion)

Timepoint

Before transferring the patient from the intensive care unit to the general ward and the day before the patient is discharged

Method of measurement

With chest x-ray and echocardiography

6

Description

Atelectasis

Timepoint

Before transferring the patient from the intensive care unit to the general ward and the day before the patient is discharged

Method of measurement

With chest x-ray and echocardiography

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: First, an explanatory study will be conducted to explain and formulate the role of the liaison nurse in the intensive care unit. To perform intensive care both in the intensive care unit and appropriately and as needed for patients in the internal medicine and surgery wards, ability to communicate with the patient and having educational skills, familiar with the goals of the project and how to perform the role and the importance of the role) Transfer of the patient from the intensive care unit to the general ward will begin and continue until the end of the discharge from the ward

Category

Prevention

2

Description

Control group: The control group receives routine care and training

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Jamaran Heart Hospital

Full name of responsible person

Zohre Vafadar

Street address

Tajrish Square - Shahid Ba Honar St. (Niavaran)

Jamaran St. - Jamaran Sq. - Shahid Hassani Kia

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Bagheiat-allah University of Medical Sciences

Full name of responsible person

Seyed Tayeb Moradian

Street address

Vanak Square - Mulla Sadra St. - Sheikh Baha'i St.

South - Shahid Nosrati Alley - Baqiyatallah University of Medical Sciences

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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

School of Nursing, Baqiyatallah 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

Bagheiat-allah University of Medical Sciences

Full name of responsible person

fatemeh keyvanlou shahrestanaki

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Position

student

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

The data is kept completely confidential by the research team

Study Protocol

Undecided - It is not yet known if there will be 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

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

Data Dictionary

Not applicable

Title and more details about the data/document

Raw data is not made available to anyone and is confidential and is at the disposal of the research team. The statistical analysis map will be made available to the public in the research design booklet and part of it will be published through articles in scientific journals.

When the data will become available and for how long

After defending the research project and publishing booklets and articles

To whom data/document is available

The data is published only in the form of statistical findings in booklets and articles and its use is open to the public

Under which criteria data/document could be used

The data can only be used in the form of research project findings and for the use of findings in clinical settings

From where data/document is obtainable

The research team and the library of the university and the scientific journal in which the article was published

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

Raw data will not be made available to anyone and will be confidential and available to the research team, but

the findings of statistical tests will be made available to applicants.

Comments