

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Investigating the impact of applying the comprehensive patient assessment tool on the clinical decision making of nurses in Intensive Care Units of selected hospitals of Isfahan University of Medical Sciences in 2023

Protocol summary

Study aim

Investigating the impact of applying the comprehensive patient assessment tool on the clinical decision making of nurses in Intensive Care Units of selected hospitals of Isfahan University of Medical Sciences in 2023

Design

A clinical trial with a control group, a blind strain, an easy sampling method, random based on a table of random numbers, the sample number is 78 nurses.

Settings and conduct

Location: special care department of Al-Zahra Hospital, Isfahan. Examination of clinical decision-making in two groups before the intervention and then one month later is done using the standard questionnaire of Laurie's clinical decision-making. The test group will also complete the comprehensive patient health assessment tool in addition to the common method used in the intensive care unit, and the control group will only complete the patient care sheet. After the 1-month period, the clinical decision-making questionnaire will be completed again by the nurses in the control and test groups. It is a blind strain of nurses.

Participants/Inclusion and exclusion criteria

Entry: Nurses with a bachelor's degree or higher and with at least 6 months of work experience in the intensive care unit. Non-entry: Nurses with less than six months of work experience in the intensive care unit

Intervention groups

The aim of the study is to use a comprehensive patient health assessment tool and its impact on the clinical decision-making of special care nurses. In addition to the common method used in the intensive care unit, the test group will also complete the comprehensive patient health assessment tool, and the control group will only complete the patient care sheet in the intensive care unit.

Main outcome variables

Clinical decision making

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20230730058967N1**

Registration date: **2023-08-16, 1402/05/25**

Registration timing: **prospective**

Last update: **2023-08-16, 1402/05/25**

Update count: **0**

Registration date

2023-08-16, 1402/05/25

Registrant information

Name

Maryam Hasandaei Talkhonchah

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 31 3680 1880

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-09-23, 1402/07/01

Expected recruitment end date

2023-12-22, 1402/10/01

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Investigating the impact of applying the comprehensive patient assessment tool on the clinical decision making of nurses in Intensive Care Units of selected hospitals of Isfahan University of Medical Sciences in 2023

Public title
The effect of using a comprehensive patient health assessment tool for clinical decision-making by nurses in special care units

Purpose
Other

Inclusion/Exclusion criteria
Inclusion criteria:
1. Nurses working in the special care department who wish to continue participating in the study. 2. Nurses working in the special care department who have a bachelor's degree or higher. 3. Nurses working in intensive care units who have at least 6 months of experience in intensive care units. 4. The employment status of nurses is permanent or contractual.
Exclusion criteria:
The employment status of nurses should be corporate. Work experience of less than six months in intensive care units

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
• Participant

Sample size
Target sample size: **78**

Randomization (investigator's opinion)
Randomized

Randomization description
Randomization method: simple randomization, randomization unit: individual, randomization tool: like the table of random numbers and according to the rules of the table of random numbers The sampling method will be easy. These meanings are sampled from nurses working in special departments who are included in the study after completing the consent form. The samples are randomly placed in 2 control and test groups based on the random number table and according to the rules of the random number table. However, in order to avoid the influence of the control group on the test group, first the control group will enter the study and complete the clinical decision making questionnaire, and after a month has passed and the nurses of the control group have completed the questionnaire, the intervention will be done for the test group and the qualification questionnaire will be done. Clinical before and after one

month will be completed by nurses in the test group.

Blinding (investigator's opinion)
Single blinded

Blinding description
Nurses participating in this study are kept blind.

Placebo
Not used

Assignment
Other

Other design features
This study is a two-group clinical trial study, the samples of which will be nurses working in the special care department. In addition to the common method used in the intensive care unit, i.e. completing the patient care sheet, the test group will also complete the comprehensive patient health assessment tool, and the control group will only complete the patient care sheet in the intensive care unit. But in order to prevent the influence of the control group from the test group, the control group will be included in the study first.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Esfahan University of Medical Sciences

Street address

Nursing and Midwifery College., Isfahan University of Medical Sciences and Health Services, Hazar Jarib St

City

Esfahan

Province

Isfahan

Postal code

8174673461

Approval date

2023-07-29, 1402/05/07

Ethics committee reference number

IR.MUI.NUREMA.REC.1402.062

Health conditions studied

1

Description of health condition studied

Clinical decision making , comprehensive patient assessment

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Clinical decision making

Timepoint

Examination of clinical decision-making in two control and test groups before the intervention and after one month is carried out by using Laurie's standard clinical decision-making questionnaire.

Method of measurement

Laurie standard clinical decision making questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: In this study, in order to perform a comprehensive patient health assessment using the m.score comprehensive patient health assessment tool) by the nurses of the special care department in the test group to examine the patients hospitalized in the department in all three shifts, when the patient is handed over to the next shift manager at the end of the shift. and also providing reports to specialist doctors at the time of the patient's visit based on the relevant tools used.

Category

Other

2

Description

Control group: Intensive care nurses do not receive any intervention.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Al-Zahra Hospital

Full name of responsible person

Somayeh Ghaffari

Street address

No 761, Milad noor4th the alley, Milad noor Ave, Eastern olfat Ave, Baharestan

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8145116531

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maryamhasandae@yaho.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Somayeh Ghaffari

Street address

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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

Esfahan 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

Esfahan University of Medical Sciences

Full name of responsible person

Somayeh Ghaffari

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Esfahan University of Medical Sciences

Full name of responsible person

Somayeh Ghaffari

Position

Associate professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

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Person responsible for updating data

Contact

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Full name of responsible person

Somayeh Ghaffari

Position

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Latest degree

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Other areas of specialty/work

Nursery

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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

All data is potentially shareable after de-identifying
individuals

When the data will become available and for how long

The access period starts 6 months after the results are
published

To whom data/document is available

students of University Isfahan Medical Sciences and
nurses working in Isfahan Medical Sciences Hospitals

Under which criteria data/document could be used

Use of documentation at the patient's bedside

From where data/document is obtainable

Isfahan University of Medical Sciences Postal code:
8174673461 or university digital library

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

Data can be obtained through the library

Comments