Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Effect of an Educational Program on Palliative and End-of-Life Care among Nurses in Critical Care Units: A Randomized Clinical Trial

Protocol summary

Study aim
To identify the effect of an education program on nurses' education, clinical practice, and perceived competence.

Design
A true experimental (comparative) design will be done to assess the effect of the education program on nurses knowledge, clinical practice, and perceived competence.

Settings and conduct
This study will be conducted at Al-Basrah Teaching Hospital, Al-Sader Teaching Hospital, Al-Faiha Teaching Hospital, Shifa Hospital, Al-Faw General Hospital, Al-Qurna Hospital, Al-Madina Hospital, Al-Zubair Hospital, Abi Al-Khasib Hospital, Um Qaser General Hospital, Al-Sayyab Hospital, and Al-Mawana Teaching Hospital in Al-Basrah Governorate.

Participants/Inclusion and exclusion criteria
Inclusion criteria include nurses who work in the critical care units, both genders, 18 years of age and above, all levels of education, and nurses who agree to participate in the study.

Intervention groups
The participants in the intervention will be given a self-reported questionnaire before the education program, and then the participants will receive an education program to measure its effect on nurses knowledge, clinical practice, and perceived competence.

Main outcome variables
Improving nurses' education, clinical practice, perceived competence.

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20250306064953N1**
Registration date: **2025-03-15, 1403/12/25**
Registration timing: **registered_while_recruiting**
Last update: **2025-03-15, 1403/12/25**
Update count: **0**

Registration date
2025-03-15, 1403/12/25

Registrant information
Name
Ali Tiryag
Name of organization / entity
University of Basrah
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Iraq
Phone
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Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2025-01-10, 1403/10/21

Expected recruitment end date
2026-01-10, 1404/10/20

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Effect of an Educational Program on Palliative and End-of-Life Care among Nurses in Critical Care Units: A Randomized Clinical Trial

Public title
Effect of an Educational Program on Palliative and End-of-Life Care among Nurses in Critical Care Units: A Randomized Clinical Trial

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Nurses above 18 Both Gender All Educational levels Nurses who work in the critical care units

Exclusion criteria:

Nurses who refuse to participate in the study Nurses who do not work in the critical care units

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **64**

Randomization (investigator's opinion)

Randomized

Randomization description

simple randomization In order to maintain a transparent and scientific-based randomization process, simple randomization will be used in assigning participants (nurses) to intervention (education program) and control groups, assuming that each participant has an equal chance of being assigned to any group. The simple randomization procedure would involve choosing a letter from a sealed envelope that contains two letters; A and B (A would be in the intervention group and B would be in the control group). Indeed, two groups will be allocated randomly.

Blinding (investigator's opinion)

Single blinded

Blinding description

simple randomization In order to maintain a transparent and scientific-based randomization process, simple randomization will be used in assigning participants (nurses) to intervention (education program) and control groups, assuming that each participant has an equal chance of being assigned to any group. The simple randomization procedure would involve choosing a letter from a sealed envelope that contains two letters; A and B (A would be in the intervention group and B would be in the control group). Indeed, two groups will be allocated randomly. Also, the nurses will be instructed that these lectures will be a part of continuous education.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee in College of Nursing at University of Basrah

Street address

Basrah Center, Bab Al-Zubair Campus

City

Basrah

Postal code

61004

Approval date

2025-01-08, 1403/10/19

Ethics committee reference number

3/7/29

Health conditions studied

1

Description of health condition studied

End-of-Life and palliative care

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

The primary outcome variable is the level of nurses' education, clinical practice, and clinical competence that can be changed based on education program

Timepoint

before intervention (education program) and 1 week after intervention

Method of measurement

Arabic version of the Palliative and End-of-LifeCare Education-Practice-Competence Triad in the critical care units

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group:

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Al-Basrah Teaching Hospital

Full name of responsible person
Al-Basrah Health Directorate
Street address
GR6J+MX8، شارع السعدي، Al Basrah, Basra Governorate, Iraq.
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
University of Basrah
Full name of responsible person
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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
The author of the trial is the funding source
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
Other

Person responsible for general inquiries

Contact
Name of organization / entity
University of Basrah
Full name of responsible person
Ali Malik Tiryag
Position
Lecturer
Latest degree
Master
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
Undecided - It is not yet known if there will be a plan to make this available

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

Title and more details about the data/document
The data will be the results of the Arabic version self-reported questionnaire to measure the Palliative and End-of-Life Care Education-Practice-Competence Triad in Intensive Care Units in both control and interventions groups.

When the data will become available and for how long
God willing, once the article is published, the data will be available after 6 months of publication. If the article is published in a subscribed journal, the data will be available after one year because of the policy of the subscribed journals.

To whom data/document is available
With academic nurses and any researcher who is interested in the data.

Under which criteria data/document could be used
The data could be used after getting the permission via email. Also, users need to acknowledge the owner

From where data/document is obtainable
Users can ask for the data and the permission via email. Mr. Ali Malik Tiryag is the corresponding author. He will be in contact with whom to ask for the data. His email is ali.malik@uobasrah.edu.iq Also, Mr. Ali Malik Tiryag works at the University of Basrah/College of Nursing. The address is Al-Basrah, Basrah, Iraq

What processes are involved for a request to access data/document
Users can ask for the data and the permission via email. Mr. Ali Malik Tiryag is the corresponding author. He will be in contact with whom to ask for the data. His email is ali.malik@uobasrah.edu.iq

Comments