

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

27 Jun 2026

### Effect of multifaceted education program on knowledge, attitude and quality of end of life nursing care in intensive care units

#### Protocol summary

##### Study aim

Determining the effect of multifaceted education program on knowledge, attitude and quality of end of life nursing care in intensive care units

##### Design

In a simple random sampling method, an ICU will be allocated as the intervention group and an ICU will be allocated as the control group.

##### Settings and conduct

All nurses working in two ICU number 1 and 2 of Kowsar Hospital will be selected according to the inclusion criteria.

##### Participants/Inclusion and exclusion criteria

Bachelor's degree and higher , At least one year of work experience, The tendency to participate in research, Nurses working in Intensive Care Units

##### Intervention groups

In the intervention group, a one-day workshop will be held in two rounds of six hours. Then during the six weeks after the workshop, education continues in the ward environment and by virtual training. In the control group after the end of the study, the educational content presented to them.

##### Main outcome variables

Knowledge about the end of life nursing care Attitude about the end of life nursing care Quality of end of life nursing care

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20180826040865N1**  
Registration date: **2018-11-23, 1397/09/02**  
Registration timing: **registered\_while\_recruiting**

Last update: **2018-11-23, 1397/09/02**

Update count: **0**

##### Registration date

2018-11-23, 1397/09/02

##### Registrant information

###### Name

taleb rahmatian

###### Name of organization / entity

###### Country

Iran (Islamic Republic of)

###### Phone

+98 87 3373 7010

###### Email address

talebrahmatian@muk.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2018-10-12, 1397/07/20

##### Expected recruitment end date

2020-10-11, 1399/07/20

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Effect of multifaceted education program on knowledge, attitude and quality of end of life nursing care in intensive care units

##### Public title

Multifaceted education program

##### Purpose

Education/Guidance

##### Inclusion/Exclusion criteria

###### Inclusion criteria:

Bachelors degree and higher At least one year of work

experience The tendency to participate in research  
Nurses working in intensive care units

**Exclusion criteria:**

Participate in end-of-life care courses

**Age**

No age limit

**Gender**

Both

**Phase**

N/A

**Groups that have been masked**

No information

**Sample size**

Target sample size: 22

**Randomization (investigator's opinion)**

Randomized

**Randomization description**

Because the intervention implemented in a ward environment so it is not possible to randomized individuals. So, The wards will randomize to intervention and control groups. There are two ICU wards (number 1 and 2) in Kowsar Hospital which by simple random method (coin tossing) one ward allocated to the intervention group and next to the control group.

**Blinding (investigator's opinion)**

Not blinded

**Blinding description**

**Placebo**

Not used

**Assignment**

Other

**Other design features**

Intervention study with two groups (Intervention and control)

**Secondary Ids**

empty

**Ethics committees**

1

**Ethics committee**

**Name of ethics committee**

Ethics Committee of Kurdistan University of Medical Sciences

**Street address**

Pasdaran st

**City**

Sanandaj

**Province**

Kurdistan

**Postal code**

66177-13446

**Approval date**

2018-09-12, 1397/06/21

**Ethics committee reference number**

IR.MUK.REC.1397.060

**Health conditions studied**

1

**Description of health condition studied**

Knowledge and Attitude and Quality of End of Life Nursing Care

**ICD-10 code**

Z55.9

**ICD-10 code description**

Problems related to education and literacy, unspecified

**Primary outcomes**

1

**Description**

Knowledge about end of life nursing care

**Timepoint**

At the beginning of the study and six weeks after the training

**Method of measurement**

The RN / LVN version of the End-of-Life Surveillance Survey Questionnaire consists of 24 questions and answers are based on the answer.

2

**Description**

Attitude about end of life nursing care

**Timepoint**

At the beginning of the study and six weeks after the training

**Method of measurement**

The attitude questionnaire is about end-of-life care, which consists of thirty questions with perfectly agreeable answers (4) to totally disagree (zero).

3

**Description**

Quality of end of life nursing care

**Timepoint**

At the beginning of the study and six weeks after the training

**Method of measurement**

Nursing care quality questionnaire is the end of life, which consists of 10 questions with answers of zero ten

**Secondary outcomes**

empty

**Intervention groups**

1

**Description**

In the intervention group, a one-day workshop will be held in two rounds of six hours. The workshop holds up using educational tools including Laptop, Projector, PowerPoint, Group discussion, Short film screenings and

presenting the scenario of the end of life nursing care. Then during the six weeks after the workshop, in the intervention ward brochure, and posters on end-of-life care will be installed. A virtual training group will be established for the intervention group and will provide educational clips and key messages.

**Category**

Other

**2**

**Description**

In the control group, no educational intervention will be performed.

**Category**

N/A

**Recruitment centers**

**1**

**Recruitment center**

**Name of recruitment center**

Kowsar Hospital

**Full name of responsible person**

Seyyed Taleb Rahmatian

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talebrahmatian@yahoo.com

**Web page address**

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Sanandaj University of Medical Sciences

**Full name of responsible person**

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**Grant name**

Master of Science dissertation

**Grant code / Reference number**

1397.060

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

Yes

**Title of funding source**

Sanandaj 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**

Sanandaj University of Medical Sciences

**Full name of responsible person**

Seyyed Taleb Rahmatian

**Position**

Nurse

**Latest degree**

Bachelor

**Other areas of specialty/work**

Nursery

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**Person responsible for scientific inquiries**

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Sina Valiee

**Position**

Ph.D of Nursing

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Ph.D.

**Other areas of specialty/work**

Nursery

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**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**

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

**Informed Consent Form**

Undecided - It is not yet known if there will be 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 results of all participants in the study

**When the data will become available and for how long**

After publication

**To whom data/document is available**

Researchers

**Under which criteria data/document could be used**

None

**From where data/document is obtainable**

Email to the corresponding author

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

After few days

**Comments****Person responsible for updating data****Contact****Name of organization / entity**

Sanandaj University of Medical Sciences

**Full name of responsible person**

Seyyed Taleb Rahmatian

**Position**

Nurse

**Latest degree**

Bachelor

**Other areas of specialty/work**

Nursery

**Street address**

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**Postal code**

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