

Clinical Trial Protocol

Iranian Registry of Clinical Trials

05 Jul 2026

Comparison of interactive and non interactive e-learning about brain death and organ donation on knowledge of intensive care unit nurses and their satisfaction with the teaching method

Protocol summary

Summary

The aim of the study: Comparing the effectiveness of interactive and non-interactive e-learning on knowledge of intensive care nurses about brain death and organ donation and determining their satisfaction with teaching method Study design: Non-randomized controlled trial (experiment and control) Study population: All ICU nurses of hospitals affiliated to Tehran University of Medical Sciences Main inclusion criteria: Registered nurses with bachelor's degree or higher, at least 6 months experience in intensive care, internet access at home or work Main exclusion criteria: unwillingness to continue participation in the study or moving to other wards during the study Sample size: At least 32 nurses in each group (with 10 percent drop estimation) Study intervention: Eligible nurses will divide in experiment and control groups, non randomize. Then, the experiment group will receive educational content about brain death and organ donation interactively which is case defining with questioning and giving feedback and is web based and online. In control group which is non interactive group, educational content will present offline in a explanatory PDF file without any questioning, feedback and any cases. Duration of intervention: 4 months Outcomes of the study: Nurses' knowledge and their satisfaction

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201407248100N3**

Registration date: **2015-01-01, 1393/10/11**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2015-01-01, 1393/10/11

Registrant information

Name

Masoomeh Imanipour

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6105 4425

Email address

m_imanipour@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

School of Nursing and Midwifery, Tehran University of Medical Sciences

Expected recruitment start date

2014-12-22, 1393/10/01

Expected recruitment end date

2015-05-22, 1394/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of interactive and non interactive e-learning about brain death and organ donation on knowledge of intensive care unit nurses and their satisfaction with the teaching method

Public title

E-Learning about brain death and organ donation

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Nurses with bachelor's degree or higher, at least 6 months experience in intensive care, internet access at home or work Exclusion criteria: Unwillingness to continue participation in the study, moving to other wards during the study

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 64

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 Tehran University of Medical Science

Street address

Sixth Floor, Central Office of Tehran University of Medical Sciences, Qods St, Keshavarz Blvd

City

Tehran

Postal code**Approval date**

2014-08-09, 1393/05/18

Ethics committee reference number

93/d/130/1082

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

Brain death

ICD-10 code

G93.82

ICD-10 code description

Other specified disorders of brain

Primary outcomes**1****Description**

Knowledge

Timepoint

After intervention

Method of measurement

Questionnaire

Secondary outcomes**1****Description**

Satisfaction with teaching method

Timepoint

After education

Method of measurement

Questionnaire

Intervention groups**1****Description**

Experiment group (interactive e-learning about brain death and organ donation): the experiment group will receive educational content about brain death and organ donation interactively that is case defining with questioning and giving feedback and is web based and online.

Category

Other

2**Description**

Control group (non interactive e-learning about brain death and organ donation): In this group which is non interactive group, educational content will present offline in a explanatory pdf file without any questioning, feedback and any cases.

Category

Other

Recruitment centers**1****Recruitment center****Name of recruitment center**

Tehran University of Medical Sciences

Full name of responsible person

Seyed Ali Mahdiyoun

Street address

Tehran University of Medical Sciences

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Tehran University of Medical Sciences

Full name of responsible person

Doctor Masood Younesian - Vice President of Research and Technology

Street address

Sixth Floor, Central Office of Tehran University of Medical Sciences, Qods St, Keshvarz Bulvd

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Tehran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Seyed Ali Mahdiyoun

Position

Master of Science in Critical Care Nursing

Other areas of specialty/work

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Person responsible for updating data

Contact

Name of organization / entity

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Position

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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty