Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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 Universityof Medical Sciences
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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

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Person responsible for updating data

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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