Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Effect of blended education on knowledge and attitude of nursing students of Islamic azad University of Sanandaj towards organ donation

Protocol summary

Summary

The object of the present study is to determine the effect of blended education on knowledge and attitude towards organ donation. The study is parallel RCT and uses Solomon Four-Group Design. All of the freshman and sophomore students of nursing at the Islamic Azad University of Sanandaj will be entered into the study using census. Inclusion criteria: nursing students; Muslim; Interest in participating in the study; No history of organ donation with family or relatives; No employment of the spouse or parents of the participants in the health care system; No participation in similar studies. Exclusion criteria: No interest in continuing research. The sample size was 94. In this study, blended education will be taught by Lecture, interactive scenario-based training, and e-learning. At the beginning of the session, one of the experts will explicate the theoretical backgrounds of organ donation. Each group will be divided into two smaller groups and they will be given their scenarios. One person will be selected as the secretary of the group. After an interaction among members, their views will be noted down and he will present the obtained results. The researcher will compare the general results with the accepted perspectives. Moreover, Text, image, video and other multimedia contents related to organ donation will be sent to students through the social network, telegram, daily. After two weeks the post-test will be taken.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016091029780N1**
Registration date: **2017-06-20, 1396/03/30**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-06-20, 1396/03/30

Registrant information

Name
shoaib dehghani
Name of organization / entity
kurdistan university of medical sciences
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Iran (Islamic Republic of)
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008733717085
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Recruitment status

Recruitment complete

Funding source

Research Council of Kurdistan University of Medical Sciences, Sanandaj, Iran.

Expected recruitment start date

2016-11-17, 1395/08/27

Expected recruitment end date

2016-12-03, 1395/09/13

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of blended education on knowledge and attitude of nursing students of Islamic azad University of Sanandaj towards organ donation

Public title

Effect of blended education on knowledge and attitude towards organ donation

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Freshman nursing students; Muslim; Interest in participation in study; no history of organ donation in family or relatives; no employment of the spouse or parents of the participants in the health care system; no participation in similar studies Exclusion criteria: No interest in continuing research

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **94**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Simple random sampling using random number table

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Kurdistan University of Medical Sciences

Street address

Kurdistan University of Medical Sciences, Pasdaran St., Sanandaj, Kurdistan, Iran.

City

Sanandaj

Postal code

66177-13446

Approval date

2016-10-30, 1395/08/09

Ethics committee reference number

IR.MUK.REC.1395/200

Health conditions studied

1

Description of health condition studied

Organ donation

ICD-10 code

Z55.8 ,Z52

ICD-10 code description

Inadequate teaching, Donor of unspecified organ or tissue

Primary outcomes

1

Description

Knowledge and Attitude

Timepoint

Before intervention and 2 weeks after intervention

Method of measurement

Hajighader and Ghajghi Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Intervention 1: In group A (the first intervention group) a pretest will be taken by using a questionnaire to evaluate the knowledge and attitude of students about organ donation. Then, blended education will be conducted in a workshop through lecture and interactive scenario-based training. The training session will be held in 2 morning and afternoon parts through the workshop format. At the beginning of the session, the researcher and one of the experts in the field will clarify the significance of organ donation and will also state the theoretical principles of organ donation (issues related to brain death, organ donation card, factors determining the waiting period for organ donation, underlying disease that will prevent organ donation, age of the donor, appearance of the donor after organ donation, different religions' point of view regarding organ donation, transfer and withdrawal fees related to organ donation, organs and tissue which can be donated, issues related to rejection of organ donation and etc. Each group will be divided into smaller groups and scenarios will be presented to them. In each group, one person will be selected as the secretary of the group. After an interaction among members, their views will be noted down and he or she will present the obtained results. Finally, the researcher and the expert will compare the obtained results with commonly accepted viewpoints. And finally obtained will provide a general conclusion. Text, image, video and other multimedia contents related to organ donation will be sent to students through the social network telegram daily. After 2 weeks of workshops, the knowledge and attitudes of the students will be evaluated using the post-test.

Category

Other

2

Description

Intervention 2: In group B (the first control group) a pretest will be taken and without any intervention the post-test evaluated.

Category

N/A

3

Description

Intervention3: In group C (the second intervention group) without any pretest, blended education will be conducted in a workshop through lecture and interactive scenario-based training. The training session will be held in 2 morning and afternoon parts through the workshop format. At the beginning of the session, the researcher and one of the experts in the field will clarify the significance of organ donation and will also state the theoretical principles of organ donation (issues related to brain death, organ donation card, factors determining the waiting period for organ donation, underlying disease that will prevent organ donation, age of the donor, appearance of the donor after organ donation, different religions' point of view regarding organ donation, transfer and withdrawal fees related to organ donation, organs and tissue which can be donated, issues related to rejection of organ donation and etc. Each group will be divided into smaller groups and scenarios will be presented to them. In each group, one person will be selected as the secretary of the group. After an interaction among members, their views will be noted down and he or she will present the obtained results. Finally, the researcher and the expert will compare the obtained results with commonly accepted viewpoints. And finally obtained will provide a general conclusion. Text, image, video and other multimedia contents related to organ donation will be sent to students through the social network telegram daily. After 2 weeks of workshops, the knowledge and attitudes of the students will be evaluated using the post-test.

Category

Other

4

Description

Intervention 4: In group D (the second control group) a post-test will be taken simultaneously with other groups without any pre-test and intervention.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

School of Nursing and Midwifery, Islamic Azad University of Sanandaj, Sanandaj, Iran.

Full name of responsible person

Shoaib Dehghani

Street address

School of Nursing and Midwifery,Islamic Azad University of Sanandaj, Pasdaran St., Sanandaj, Kurdistan, Iran.

City

Sanandaj

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor Of Research, Kurdistan University of Medical Sciences, Sanandaj, Iran

Full name of responsible person

Dr Farzin Rezaei

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Vice Chancellor Of Research, Kurdistan University of Medical Sciences, Pasdaran St., Sanandaj, Iran.

City

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Grant name

عمومی

Grant code / Reference number

1395/200

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

Yes

Title of funding source

Vice Chancellor Of Research, Kurdistan University of Medical Sciences, Sanandaj, Iran

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

Kurdistan University of Medical Sciences, Sanandaj, Iran.

Full name of responsible person

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Position

Bachelor of Nursing

Other areas of specialty/work

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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