

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

28 Jun 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

###### Country

Iran (Islamic Republic of)

###### Phone

008733717085

###### Email address

sh.dehghani@muk.ac.ir

##### 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

Shoab 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

##### Street address

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

##### City

Sanandaj

##### 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

Shoab Dehghani

##### Position

Bachelor of Nursing

##### Other areas of specialty/work

##### Street address

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## Person responsible for scientific inquiries

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Sina Valiee

**Position**

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## Person responsible for updating data

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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*