

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The effect of education based on smart phone application on the Clinical Skills of encountering with traumatic patients among undergraduate nursing students

Protocol summary

Study aim

Determining the Effect of Smart phone Software-Based On clinical skills of undergraduate nursing students in dealing with people with trauma

Design

The clinical trial has a community-based, action-oriented control group, with parallel groups, lacking blindness.

Settings and conduct

Sampling will be carried out in a complete way. Since both classes are integrated into the course of the internship, Students are grouped into control and intervention groups on the basis of simple randomization through the drawing of training groups (8 to 10 students per group). The groups with the number in the intervention group and the groups with a pair number are divided into the control group. Accordingly, half of the students are divided into two groups in the intervention group (59 people) and half in the control group (58 people). Sampling and gathering information will be done in intervention and control groups simultaneously. This research will be conducted in Iran University of Medical Sciences.

Participants/Inclusion and exclusion criteria

Sampling will be done among all seventh semester students of Nursing Graduate School of Nursing and Midwifery of Iran University of Medical Sciences who are eligible to enter the study.

Intervention groups

1-The lack of cooperation of students to participate in two stages of the OSCE exam. 2-Leakage of information and access for students of control group to the software

Main outcome variables

Nursing Students' Cognitive Factors in Patients with Trauma

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180310039018N1**

Registration date: **2018-04-19, 1397/01/30**

Registration timing: **prospective**

Last update: **2018-04-19, 1397/01/30**

Update count: **0**

Registration date

2018-04-19, 1397/01/30

Registrant information

Name

Fatemeh Tazikibalajelini

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 17 3214 3204

Email address

tazikibalajelin.f@tak.iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-04-21, 1397/02/01

Expected recruitment end date

2019-04-21, 1398/02/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of education based on smart phone application on the Clinical Skills of encountering with traumatic patients among undergraduate nursing students

Public title

The Effect of Smart Phone Software on Clinical Skills in Nursing Students

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria:

All 7th semester students of Nursing Graduate School of Nursing and Midwifery of Iran University of Medical Sciences who have completed the course of Nursing Emergency Courses

Exclusion criteria:

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 0

Randomization (investigator's opinion)

N/A

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

Research Ethics Committee, Iran University of Medical Sciences

Street address

Nursing Care Research center, Building of Nursing and Midwifery in front of Khatam Al-Nabia Hospital, Rashid Yasemi Ave. Above Vanak Sq, Valiasr Ave., Tehran, Iran.

City

Tehran

Province

Tehran

Postal code

۱۹۹۶۷۱۳۸۸۳

Approval date

2018-01-24, 1396/11/04

Ethics committee reference number

IR.IUMS.FMDREC 1936.9511706001

Health conditions studied

1

Description of health condition studied

Patients with trauma

ICD-10 code

G89.21

ICD-10 code description

Chronic pain due to trauma

Primary outcomes

1

Description

The effects of smartphone apps on the clinical effectiveness of nursing students

Timepoint

Spring 2018 to Spring 2019

Method of measurement

Preparation of the questionnaire and statistical analysis of the results

Secondary outcomes

empty

Intervention groups

1

Description

Seventh-term nursing students under the terms of using smartphone apps. And examining the effectiveness of these programs in their educational processes, dealing with patients with trauma

Category

Other

2

Description

Control group: Seventh-term nursing students under public education.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Iran University of Medical Sciences and Health Services, Faculty of Nursing and Midwifery

Full name of responsible person

Fatemeh Tazikibalajelini

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Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Iran University of Medical Sciences

Full name of responsible person

Seyed Kazem Malakouti

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Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Iran 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**

Iran University of Medical Sciences

Full name of responsible person

Fatemeh Tzikibalagelini

Position

Student

Latest degree

Bachelor

Other areas of specialty/work

Nursery

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Person responsible for scientific inquiries**Contact****Name of organization / entity**

Iran University of Medical Sciences

Full name of responsible person

Tahereh Najafi

PositionAssociate Professor of Medical Sciences of Iran
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Ph.D.

Other areas of specialty/work

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

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Full name of responsible person

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Position

Student

Latest degree

Bachelor

Other areas of specialty/work

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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

Undecided - It is not yet known if there will be 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