Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

The effect of education based on smart phone application on the Clinical Skills of encountring 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 encountring 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
Street address
Emam Reza st. No 1
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4935137113
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tazikibalajelin.f@tak.iums.ac.ir

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Iran University of Medical Sciences
Full name of responsible person
Seyed Kazem Malakouti
Street address
Department of Psychiatry, Rasht-e-Akram Hospital, Niayesh Avenue, Sattarkhan St
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Postal code
1449614535
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Email
kmalakouti@iums.ac.ir
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
Position
Associate Professor of Medical Sciences of Iran (Department of Nursing)
Latest degree
Ph.D.
Other areas of specialty/work
Nursery
Street address
Valiasr St., Rashid Yasemi St., Iran Nursing and Midwifery Faculty, Tehran, Iran
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1996713883
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Person responsible for updating data

Contact
Name of organization / entity
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Position
Student
Latest degree
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Other areas of specialty/work
Nursery

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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