

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

The effect of mobile phone education in urinary catheterization on learning motivation, knowledge and practice of nursing and Midwifery students of Shahid Beheshti Faculty of Nursing and Midwifery, Rasht 2017

Protocol summary

Study aim

Determining the effect of mobile phone education on urinary catheterization on the learning motivation, knowledge and practice of nursing students of Shahid Beheshti Faculty of Nursing and Midwifery, Rasht, in 1396

Design

In this study, 68 nursing and midwifery students of the first term who are eligible to enter the study are selected and assigned to two groups of control (22 students) and intervention (46 nursing students)

Settings and conduct

Both the control and intervention groups were trained in the traditional way (the theory of how to do catheterization and work on mannequins) and the intervention group in addition to being trained for how to perform catheterization through a planned movie on a mobile phone for a week, and the place it is the faculty of nursing and midwifery of Shahid Beheshti in Rasht.

Participants/Inclusion and exclusion criteria

The female students of the first semester of nursing and midwifery of the Shahid Beheshti Faculty of Rasht, who have experience in clinical practice and experience in the past, have a willingness to participate in the research.

Intervention groups

All of the female students who entered the nursing and midwifery entrance of September 2017 in Shahid Beheshti Faculty of Nursing and Midwifery in Rasht, who agreed to participate in this study, are divided into two groups of control (midwifery students) and intervention (nursing students). First, And then they participate in two sessions of 90-minute theory and practical training in the field of urinary catheterization taught by nursing faculty members based on nursing practice lessons. After completing the theoretical and practical class, the

intervention group will be trained on how to access the video clip by mobile phone, which can be viewed twice a day. Each time a text message is sent to remind you to watch a video clip, the control group does not do anything. Training syndacs include reproductive system anatomy, necessary equipment, correct procedure for catheter catheterization and catheterization in women, which lasts for 15 minutes and is searched and compiled from the nursing skill site and translated, dubbed and encrypted in Persian, and through the network The social part is provided to the test group. Its contents are based on the principles of nursing techniques. we requested from intervention group that wont deliver this film to others The next week, both the control and experimental groups completed the questionnaire related to the learning motivation and participated in the written test to assess the level of knowledge about the method of catheterization. Then the researcher, in collaboration with the professor of the Fan group, completed a checklist of clinical skills, comprising 36 items, each One student examines one.

Main outcome variables

In this study, learning motivation that includes areas of concern (attention, communication, self-esteem and satisfaction), awareness and performance are considered as the main implications.

General information

Reason for update

Acronym

Mobile Phone Education

IRCT registration information

IRCT registration number: **IRCT20080901001174N8**

Registration date: **2018-01-10, 1396/10/20**

Registration timing: **retrospective**

Last update: **2018-01-10, 1396/10/20**
Update count: **0**
Registration date
2018-01-10, 1396/10/20

Registrant information
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Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2017-12-04, 1396/09/13
Expected recruitment end date
2017-12-21, 1396/09/30
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
The effect of mobile phone education in urinary catheterization on learning motivation, knowledge and practice of nursing and Midwifery students of Shahid Beheshti Faculty of Nursing and Midwifery, Rasht 2017

Public title
Use of Mobile Phone Education in urinary catheterization

Purpose
Education/Guidance

Inclusion/Exclusion criteria
Inclusion criteria:
nursing and midwifery student (term1) female
Exclusion criteria:
observation of catheterization Previous experience in catheterization The experience of doing clinical work

Age
No age limit

Gender
Female

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **68**

Randomization (investigator's opinion)
Not randomized

Randomization description
Blinding (investigator's opinion)
Not blinded

Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
All items are in the summary section.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethical Committee of Guilan University of Medical Sciences

Street address

Rasht, Namji Street, Shahid Siadati Street, opposite the 17th Shahrivar Hospital

City

Rasht

Province

Guilan

Postal code

4146939114

Approval date

2017-11-10, 1396/08/19

Ethics committee reference number

IR.GUMS.REC.1396.320 مورخ 96/8/20 باکد

Health conditions studied

1

Description of health condition studied

Catheterization

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Skill for catheterization

Timepoint

After the intervention

Method of measurement

Measurement skills are based on the clinical skill checklist. Scores are from 36 to 108. That scores from 36 to 60 require a practice and grades 60 to 84 are satisfactory and grades 84 to 108 are excellent. Students with higher grades are more skilled

Secondary outcomes

1

Description

Learning motivation

Timepoint

After the intervention

Method of measurement

With imms toolsWhich consists of four areas (attention, communication, self-confidence and satisfaction) with a total of 36 questions that are based on the Likert scale of 5 degrees between (1 to 5) and in the form (false = 1, little right = 2, fairly true = 3, most True = 4, and very true = 5, and consists of 12 questions in the area of attention (2,8,11,12,15,17,20,22,24,28,29,31), 9 questions of the field of communication (33, 9,10,16,18,23,26,30), 9 questions of self-esteem (3,4,7,13,19,25,34,35,1) and 6 questions of satisfaction (5,14,21 , 27,32,36). The scores are in the range of 180-36, and higher scores represent a higher level of learning motivation.

2

Description

Awareness

Timepoint

After the intervention

Method of measurement

A researcher-made questionnaire containing 20 short questions.

Intervention groups

1

Description

All female midwifery and nursing students of Shahid Beheshti Faculty of Nursing and Midwifery, Rasht, who agreed to participate in this study, are divided into two groups of control (midwifery students) and intervention (nursing students). First, complete the social-demographic questionnaire. They then participate in two sessions of 90-minute theoretical and practical training in the field of urinary catheterization taught by nursing faculty members based on nursing practice lessons. After completing the theoretical and practical class, the intervention group will be trained on how to access the video clip by mobile phone, which can be viewed twice a day. Each time a text message is sent to remind them to watch a video clip, the control group does not do anything. Video clip include reproductive system anatomy, necessary equipment, correct procedure for catheter catheterization and catheterization in women, which lasts for 15 minutes and is searched and compiled from the nursing skill site and translated, sound and encryption in Persian, and through the social network is provided to the intervention group. Its contents are based on the principles of nursing techniques. we requested from intervention group that wont deliver this film to others. The next week, both the control and intervention group completed the questionnaire related to the learning motivation and participated in the written test to assess the level of knowledge about the method

of catheterization. Then the researcher, in collaboration with the teacher of the Fan group, completed a checklist (36 items) of clinical skill.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty of Nursing and Midwifery, Rasht

Full name of responsible person

Atefeh Ghanbari

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Rasht University of Medical Sciences

Full name of responsible person

Dr. Shadman Nemati

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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

Rasht 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
Rasht University of Medical Sciences
Full name of responsible person
Atefeh Ghanbari
Position
Associate Professor
Latest degree
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

Main and total Data

When the data will become available and for how long

2018

To whom data/document is available

university and scientific institutions

Under which criteria data/document could be used

If they cite the article

From where data/document is obtainable

executor of proposal

What processes are involved for a request to access data/document

Call the implementer and conduct a moral agreement

Comments