Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The Comparsion of the Effectiveness of Two Education Methods Video and Lecture on knowledge, Belief, Practice of Hand Hygiene in Nursing Students

Protocol summary

Summary

The purpose of this study is compare the effect of two educational methods, film screenings and lectures on knowledge, belief and practice hand hygiene in nursing students is done. Tendency to participate in research and clinical experience in the hospital is the inclusion criteria. Membership in health care centers and attends classes and training courses related to hand hygiene is the exclusion criteria. The sample size in this study is 60 nursing students. The study population is the 6 term of nursing students faculty of nursing and midwifery Tabriz. The first session taken the list of students from the faculty of education. After consent of nursing students and explain the purpose of study and how to do it, students randomly are divided into two equal. With simple random sampling, every one of students participating in the study is given a certain number. The students have odd numbers in the one Group and students who are even numbers placed in the other group. In both groups the pre-test is performed by using hand hygiene questionnaire. The second session of group which is the odd numbers (education through the film) is for 15 minutes presentation. The second group, which has pairs of numbers (education through lectures with PowerPoint), will be presented in for 15 minutes. Items stated in the films and PowerPoint is the same. Two months after the intervention in third session questionnaires were distributed among the students in both groups and posttest is performed for both groups studied. Finally, knowledge, beliefs and practice of hand hygiene among nursing students before and after the intervention are compared.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013102115091N1**
Registration date: **2014-02-16, 1392/11/27**
Registration timing: **registered_while_recruiting**

Last update:
Update count: **0**

Registration date

2014-02-16, 1392/11/27

Registrant information

Name

Neda Kheirkhahi

Name of organization / entity

Tabriz University of Medical Sciences, Faculty of Nursing & Midwifery

Country

Iran (Islamic Republic of)

Phone

+98 41 1479 6770

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research,Tabriz University of Medical Sciences

Expected recruitment start date

2014-02-09, 1392/11/20

Expected recruitment end date

2014-04-09, 1393/01/20

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title
The Comparsion of the Effectiveness of Two Education Methods Video and Lecture on knowledge, Belief, Practice of Hand Hygiene in Nursing Students

Public title
Hand Hygiene
Purpose
Prevention
Inclusion/Exclusion criteria
Inclusion criteria: Nursing student term 6 Faculty of Nursing & Midwifery Tabriz; Clinical experience in the hospital; Tendency to participate in research Exclusion criteria: Corporation in classes and training courses related to hand hygiene; Members of healthcare team
Age
From **18 years** old to **25 years** old
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **60**
Randomization (investigator's opinion)
Randomized
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
Ethics Committee of Tabriz University Of Medical Sciences
Street address
Faculty of Nursing & Midwifery, Shariety South Street,Tabriz, Iran
City
Tabriz
Postal code
5138947977
Approval date
2013-10-30, 1392/08/08
Ethics committee reference number
7311

Health conditions studied

1

Description of health condition studied
Hand Hygiene
ICD-10 code
z91.2
ICD-10 code description
Personal history of poor personal hygiene

Primary outcomes

1

Description
Hand hygiene knowledge
Timepoint
Before the intervention,Two months after intervention
Method of measurement
Hand Hygiene Questionnaire

2

Description
Hand hygiene belief
Timepoint
Before the intervention,Two months after intervention
Method of measurement
Hand Hygiene Questionnaire

3

Description
Hand hygiene practice
Timepoint
Before the intervention,Two months after intervention
Method of measurement
Hand Hygiene Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: Hand hygiene training film method is done for 15-minute in class.
Category
Prevention

2

Description
Control group: Hand hygiene training lecture with PowerPoint (routine) is done for 15 minutes in class.
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Faculty of Nursing & Midwifery Tabriz
Full name of responsible person
Neda Kheirkhahi
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Faculty of Nursing & Midwifery, Shariety South Street, Tabriz
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz University of Medical Sciences
Full name of responsible person
Dr. Kazem Shakouri
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Vice chancellor for research,Tabriz University of Medical Sciences
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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
Tabriz University of Medical Sciences
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

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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