

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Aug 2026

The Comparson 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

Email address

parvank@tbzmed.ac.ir

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 Comparison 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

Street address

Faculty of Nursing & Midwifery, Shariety South Street,
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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

Street address

Vice chancellor for research, Tabriz University of
Medical Sciences

City

Tabriz

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

Contact

Name of organization / entity

Faculty of Nursing & Midwifery Tabriz

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Neda Kheirkhahi

Position

MSN Student Nursing

Other areas of specialty/work

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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