

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

The study of the Effect of Education on Knowledge, attitude, and washing and sterilization Behavior of Surgery tools among Operating room staff in Hospitals related to Ghazvin University of Medical Sciences-2012

Protocol summary

2012-12-06, 1391/09/16

Summary

The aim of this study was assessing of the effect of education on knowledge, attitude, and washing and sterilization behaviour of surgery tools among operating room staff. Including criteria were participants who had B.S. of nursing or associate degree of operation room; these who have been working in CSR or operation room as a surgeon assistant more than 3 months. Exclusion criteria: Participants who didn't have cited conditions. 60 people including scrub and, circular nurses, and staff of washing and sterilization unit participated in this study, selected randomly. Then they were divided in to 3 groups accidentally. One of the groups was control (without education) and the other two were case groups (group 1=face to face education by film, group 2=distance learning by film and pamphlet). Primary outcome measure included knowledge, attitude, and washing and sterilization behaviour, Primary outcome time points were beginning of the study, after one month, after two month and Primary outcome method of measurements were Researcher made questionnaire to assess knowledge, attitude and washing and sterilization Behavior of Surgery tools . Primary outcome measure,time points and method of measurements in all three groups performed similarly.

Registrant information

Name

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Name of organization / entity

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Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Ghazvin University of Medical Sciences

Expected recruitment start date

2011-07-03, 1390/04/12

Expected recruitment end date

2012-07-02, 1391/04/12

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012080410488N1**

Registration date: **2012-12-06, 1391/09/16**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

Scientific title

The study of the Effect of Education on Knowledge, attitude, and washing and sterilization Behavior of Surgery tools among Operating room staff in Hospitals related to Ghazvin University of Medical Sciences-2012

Public title

The Effect of Education on Knowledge, attitude, and washing and sterilization Behavior of Surgery tools among Operating room staff

Purpose

Health service research

Inclusion/Exclusion criteria
Including criteria : Participants who had B.S. of nursing or associate degree of operation room; These who have been working in CSR or operation room as a surgeon assistant more than 3 months. Exclusion criteria: Participants who didnt have B.S. of nursing or associate degree of operation room; These who have been working in CSR or operation room as a surgeon assistant less than 3 months.

Age
No age limit

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

Qazvin University of Medical Sciences

Street address

Qazvin University of Medical Sciences- Bahonar avenue

City

Qazvin

Postal code

Approval date

2012-10-23, 1391/08/02

Ethics committee reference number

26

Health conditions studied

1

Description of health condition studied

of Education on Awareness, viewpoint, and washing and sterilization Behavior

ICD-10 code

Z55.9

ICD-10 code description

unspecified, literacy and education to related Problem

Primary outcomes

1

Description

knowledge

Timepoint

Beginning of the study,after one month, after two month

Method of measurement

Researcher made questionnaire to assess knowledge of washing and sterilization of surgical instruments

2

Description

attitude

Timepoint

Beginning of the study,after one month, after two month

Method of measurement

Researcher made questionnaire to assess attitude of washing and sterilization surgical instruments

3

Description

behaviore

Timepoint

Beginning of the study,after one month, after two month

Method of measurement

Researcher made questionnaire to assess behavior of washing and sterilization of surgical instruments

Secondary outcomes

empty

Intervention groups

1

Description

This was a 3-group randomized interventional trial. control group (without education): Includes CSR staff and operating room nurse ; interventions includ: pretest(Researcher made questionnaire to assess knowledge, attitude and behavior of washing and sterilization);post tests include: after one month and two months after the test.

Category

N/A

2

Description

intervention group1 : Includes CSR staff and operating room nurses ; interventions includ: pretest(Researcher made questionnaire to assess knowledge, attitude and behavior of washing and sterilization);Attend in a four-

hour Educational class about washing and sterilization behavior (giving lectures and educational videos); post test after one month and two months after the intervention.

Category

Treatment - Drugs

3

Description

intervention group2 : Includes CSR staff and operating room nurses ; interventions include: pretest(Researcher made questionnaire to assess knowledge, attitude and behavior of washing and sterilization);The intervention included educational videos and booklet without attend classes ; post test after one month and two months after the intervention. It should be noted that the first and second groups in each category will be chosen randomly. In all cases, the pre-test, post-test questionnaire was similar assessment of knowledge, attitude and behavior of washing and sterilization

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

shahid Rajaee, Ghods, and Kosar hospitals of Ghazvin

Full name of responsible person

Street address

City

Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Qazvin University of Medical Sciences

Full name of responsible person

Masoumeh Farmani

Street address

Qazvin University

City

Qazvin

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Qazvin 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

Qazvin University of Medical Sciences

Full name of responsible person

maryam shabany

Position

master - faculty member

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Full name of responsible person

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Position

master of nursing in medical surgical

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Person responsible for updating data

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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