

Clinical Trial Protocol

Iranian Registry of Clinical Trials

03 Aug 2026

Compare the effect of two method of educational intervention, workshop and multimedia, on knowledge, attitude and self report practice of medical students toward Isolation Precautions

Protocol summary

Summary

Main purpose: The study is a randomized control trial of pre-post design and main purpose of the study is to compare the effectiveness of two methods of educational interventions, workshop and CD (multimedia) on knowledge, attitude and self-report practice among interns of Bushehr University of Medical Sciences toward isolation precautions during two years (1394 and 1395). The target population is 120 interns of Bushehr University of Medical Sciences during two years that are randomly divided (block randomization) into two groups of educational interventions consisted of workshop and CD (multimedia) groups will receive training intervention through workshop and training intervention through CD (multimedia). Inclusion criteria: 120 Interns of Boushehr University of Medical Sciences during two years (1394 and 1395). Exclusion criteria: Invitee students at the time of study: not willing to participate in the study. Educational interventions implementation: we will divide interns randomly in two groups of educational interventions. The first group will receive workshop training during two day, based on CDCs new protocol and second group will receive a CD containing the same educational contents. Participants of each group will do pre-test before interventions and post-test after four months. Primary outcome is knowledge of interns before the educational interventions, attitude of interns before the educational intervention and self report practice of interns before the educational intervention which assessed two times, first time before the educational intervention and second is four months after receiving the intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016072429049N1**

Registration date: **2017-01-19, 1395/10/30**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-01-19, 1395/10/30

Registrant information

Name

Maryam Nateghi

Name of organization / entity

Bushehr University of Medical Sciences

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Boushehr University of Medical Sciences

Expected recruitment start date

2015-04-21, 1394/02/01

Expected recruitment end date

2016-09-22, 1395/07/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Compare the effect of two method of educational intervention, workshop and multimedia, on knowledge, attitude and self report practice of medical students toward Isolation Precautions

Public title

The effect of two method of educational interventions on knowledge, attitude and self report practice of students

Purpose

Other

Inclusion/Exclusion criteria

Inclusion Criteria: Medical interns of Bushehr University of Medical Sciences during 1394 to 1395. Exclusion Criteria: Invitee students at the time of study: student disinclination for study participation.

Age

No age limit

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **120**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Block randomization

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Boushehr University of Medical Sciences

Street address

Bushehr University of Medical Sciences, Salman Farsi Avenue, Bahmani, Boushehr

City

Boushehr

Postal code**Approval date**

2015-10-23, 1394/08/01

Ethics committee reference number

IR.BPUMS.REC.1395.58

Health conditions studied**1****Description of health condition studied**

knowledge ,attitude and self report practice of medical students toward Isolation Precaution

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Self report practice of medical students towards Isolation Precaution

Timepoint

before intervention and 4 months after intervention.

Method of measurement

Standard questionnaire of self report practice towards Isolation Precaution

2**Description**

Knowledge of medical students towards Isolation Precaution

Timepoint

Before intervention, 4 months after educational intervention.

Method of measurement

Standard questionnaire of knowledge towards Isolation Precaution.

3**Description**

Attitude of medical students toward Isolation Precaution.

Timepoint

Before intervention and 4 months after intervention.

Method of measurement

Standard questionnaire of attitude towards Isolation Precaution.

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group 1: The multimedia education group will receive a CD containing training education material (based on CDC training protocol 10-13) that is designed by researchers and produced by IT professions.

Category

Other

2

Description

Intervention group 2: This group receive training education material (based on CDC training protocol 10-13) during a two-day workshop (4 hours in each day) by researchers.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty of Medicine, Bushehr University of Medical Sciences

Full name of responsible person

Mrs. Noura Amini

Street address

Faculty of Medicine, Boushehr University of Medical Science, Moallem street, Boushehr, Iran

City

Boushehr

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice Chancellor for research of Bushehr University of Medical Sciences

Full name of responsible person

Dr.Afshin Ostovar

Street address

Research chancellor of Boushehr University of Medical Science, Bahmani, Salman Farsi street, Boushehr, Iran, Islamic of

City

Boushehr

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice Chancellor for research of Bushehr 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

Bushehr University of Medical Sciences

Full name of responsible person

Dr.Kamran Mirzaei

Position

Community Medicine Specialist

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