Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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

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Bushehr University of Medical Sciences
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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
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Faculty of Medicine, Boushehr University of Medical Science, Moallem street, Boushehr, Iran
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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
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Research chancellory 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
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Position
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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