Clinical Trial Protocol
Iranian Registry of Clinical Trials

08 Nov 2026

Investigating the effect of educational intervention based on Health Belief Model on the belief to vaccination of human papillomavirus in female nursing students of Governemental Nursing and Midwifery School in West Azarbayjan Province in 2017-2018.

Protocol summary

Study aim
Determining the effect of educational intervention based on Health Belief Model on the belief to vaccination of Human papillomavirus in female nursing students

Design
Quasi-experimental, pre-test, post-test and follow up in the control and intervention group, based on education, randomized

Settings and conduct
Nursing students of Urmia Nursing Faculty will be selected as a control group as an intervention group and nursing students at Khoy School of Nursing. 40 students in both groups will be selected randomly by random sampling from all classes after explaining the plan and obtaining written consent. The randomization tool will use sealed envelopes. The pre-test is performed by a researcher-made questionnaire based on the health belief model, after determining the validity and reliability for both groups. Then, educational intervention based on health belief model constructs during 4 sessions in the intervention group. At the same time as the last intervention session and one month after that, the questionnaire for post-test and follow up questions will be completed in both groups. In the control group, no intervention will be applied.

Participants/Inclusion and exclusion criteria
Entry requirements: female nursing students aged between 18 and 26 years old, single. non-admission criteria: Age over 26 years old, being married, having a history of Human papillomavirus vaccination and having a history of genital warts.

Intervention groups
In intervention group, educational intervention during 4 sessions, each session lasted for at least 45 minutes to 1 hour with one session per week by lecture and using power point software, as well as questions and answers, providing educational pamphlets and educational booklet and also educational Messages will be done.

Main outcome variables
belief to vaccination of Human papillomavirus

General information

Reason for update

Acronym
HPV

IRCT registration information
IRCT registration number: **IRCT20180929041170N1**
Registration date: **2018-12-09, 1397/09/18**
Registration timing: **registered_while_recruiting**

Last update: **2018-12-09, 1397/09/18**
Update count: **0**

Registration date
2018-12-09, 1397/09/18

Registrant information

Name
Bita Ghorbani

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 44 3346 6630

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ghorbani.bi@umsu.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-11-22, 1397/09/01

Expected recruitment end date
2018-12-22, 1397/10/01
Actual recruitment start date
empty
Actual recruitment end date
empty
Trial completion date
empty

Scientific title
Investigating the effect of educational intervention based on Health Belief Model on the belief to vaccination of human papillomavirus in female nursing students of Governemental Nursing and Midwifery School in West Azarbayjan Province in 2017-2018.

Public title
"The impact of education based on Health Belief Model on the belief to vaccination of the Human papillomavirus."
Purpose
Education/Guidance
Inclusion/Exclusion criteria
Inclusion criteria:
Female nursing students The age range between 18 - 26 years old Single students
Exclusion criteria:
Age above 26 years old Being married History of vaccination of the Human papillomavirus The history of genital warts
Age
From **18 years** old to **26 years** old
Gender
Female

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **80**
Randomization (investigator's opinion)
Randomized
Randomization description
Simple randomization; Individual randomization unit; randomization tool use sealed envelope.
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Other
Other design features
A pre-test will be performed through a questionnaire from both intervention and control groups. In the intervention group; an intervention will be conducted. Post-test at the last training session and then one month after the intervention(follow up) in the intervention group and one month after the post-test in the control group in both colleges will be done.

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics committee of Urmia University of Medical Sciences
Street address
Emergency Ave, Resalat Blvd, Urmia
City
Urmia
Province
West Azarbaijan
Postal code
5714783734
Approval date
2018-08-15, 1397/05/24
Ethics committee reference number
IR.UMSU.REC.1397.156

Health conditions studied

1

Description of health condition studied
Vaccination of Human papillomavirus
ICD-10 code
XXI
ICD-10 code description
Factors influencing health status and contact with health services

Primary outcomes

1

Description
Belief
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
The overall score obtained from Questionnaire created based on Health Belief Model

2

Description
Knowledge
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created: correct؛ wrong and I do not know

3

Description
Perceived susceptibility
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created based on Health Belief Model

4

Description
Perceived severity
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created based on Health Belief Model

5

Description
Perceived benefits
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created based on Health Belief Model

6

Description
Perceived barriers
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created based on Health Belief Model

7

Description
Self efficacy
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created based on Health Belief Model

8

Description
Cues to action
Timepoint
Pretest (Before intervention، post test(last intervention session) and follow up(a months after last intervention session)
Method of measurement
Questionnaire created: yes and no

Secondary outcomes

1

Description
Belief
Timepoint
follow up(a months after last intervention session)
Method of measurement
The overall score obtained from Questionnaire created based on Health Belief Model

2

Description
Knowledge
Timepoint
follow up(a months after last intervention session)
Method of measurement
Questionnaire created: correct؛ wrong and I do not know

Intervention groups

1

Description
Intervention group: In intervention group, educational intervention during 4 sessions, each session lasted for at least 45 minutes to 1 hour with one session per week(about Human papillomavirus infection, symptoms, complications, risk factors, prospects of the disease in Iran and the world, the high-risk behaviors of the infection in people, the effects of the disease on the different dimensions of health and the importance of prevention and the benefits of vaccination) by lecture and using power point software, as well as questions and answers, providing educational pamphlets and educational booklet and also educational Messages will be done.
Category
Prevention

2

Description
Control group: In the control group, no intervention will be applied.
Category
Prevention

Recruitment centers

1

Recruitment center
Name of recruitment center
Urmia School of Nursing and Midwifery
Full name of responsible person
Hosein Habibzadeh
Street address

School of Nursing and Midwifery, Nazlou Campus, Urmia University of Medical Sciences, Urmia

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West Azarbaijan

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5756115111

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Email
habibz_h@yahoo.com

Web page address

2

Recruitment center

Name of recruitment center
Khoy University of Medical Sciences

Full name of responsible person
Fatemeh Moghaddam Tabrizi

Street address
Khoy University of Medical Sciences, Shahid Montazeri St., Basij Sq., Khoy

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Web page address

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Oroumia University of Medical Sciences

Full name of responsible person
Dr. Iraj Mohebi

Street address
Urmia University of Medical Sciences, Resalat Blvd

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Irajmohebbi@umsu.ac.ir

Web page address
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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
Oroumia University of Medical Sciences

Proportion provided by this source
100

Public or private sector
Public

Domestic or foreign origin
Domestic

Category of foreign source of funding
empty

Country of origin

Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Urmia Nursing and Midwifery School

Full name of responsible person
Bita Ghorbani

Position
Master student in Midwifery counseling

Latest degree
Bachelor

Other areas of specialty/work
Midwifery

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School of Nursing and Midwifery, Nazlou Campus., Urmia University of Medical Sciences

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Person responsible for scientific inquiries

Contact

Name of organization / entity
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Full name of responsible person
Roghieh Bayrami

Position
Assistant Professor

Latest degree
Ph.D.

Other areas of specialty/work
Reproductive Health

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Person responsible for updating data

Contact
Name of organization / entity
Oroumia University of Medical Sciences
Full name of responsible person
Bita Ghorbani
Position
Master student in Midwifery counseling
Latest degree
Bachelor
Other areas of specialty/work
Midwifery
Street address
School of Nursing and Midwifery, Nazlou Campus., Urmia University of Medical Sciences
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Email
ghorbanibitaa@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Yes - There is a plan to make this available
Study Protocol
Yes - There is a plan to make this available
Statistical Analysis Plan
Yes - There is a plan to make this available
Informed Consent Form
Yes - There is a plan to make this available
Clinical Study Report
Yes - There is a plan to make this available
Analytic Code
Not applicable
Data Dictionary
Not applicable
Title and more details about the data/document
Publishing research results in the form of an article in a scientific publication
When the data will become available and for how long
The beginning of the access period is 6 months after the publication of the article.
To whom data/document is available
Public
Under which criteria data/document could be used
To inform the people about the Human papillomavirus vaccination.
From where data/document is obtainable
Dr Rogaye Bayrami, Assistant Professor of Urmia Nursing Midwifery School E-mail: rozabayrami@yahoo.com
What processes are involved for a request to access data/document
Login to Urmia University of Medical Sciences Web Site and search for thesis
Comments