

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of simulation based training and blended on cognitive skill, performance and self-efficacy midwives in the management of pre-eclampsia and eclampsia

Protocol summary

Summary

In this study, three groups, randomized clinical trial that aims to compare the influence of simulation based training and blended on cognitive skill, performance and self efficacy midwives in the management of preeclampsia and eclampsia. The study sample included all midwives resourceful, undergraduate and postgraduate midwifery hospitals and health care centers of Mashhad, approved participation in the research and internet access in blended education. After explaining the objectives of the study and get the satisfaction of 90 midwives participating, Pretest consisted of completing questionnaires cognitive skills, self-efficacy and station test in 6 stations management skills preeclampsia and eclampsia in duration 55 min will be taken by fellow researcher is gauged using the check list. The Research units into three groups (lecture education, simulation training, blended training) are divided. In lecture training, training management preeclampsia and eclampsia, through lectures with PowerPoint and in simulation method based on Jefferie's framework (pre lectures, simulations, observation, feedback) by standard patient and Mannequins and in blended education First teaching lecture with PowerPoint and then managing preeclampsia and eclampsia through the website is designed to be taught. training time is 6 hours in all three group. Cognitive skill, self efficacy, the satisfaction of the training course and test and function of midwives two weeks after the intervention measured and in three group is determined and compared before and after intervention.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016091528744N1**

Registration date: **2017-01-09, 1395/10/20**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-01-09, 1395/10/20

Registrant information

Name

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Name of organization / entity

Mashhad University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

ashhad University of Medical Sciences

Expected recruitment start date

2016-10-27, 1395/08/06

Expected recruitment end date

2016-12-08, 1395/09/18

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of simulation based training and blended on cognitive skill, performance and self-efficacy midwives in

Public title

The effect of training on cognitive skill, performance and self-efficacy midwives in the management of pre-eclampsia and eclampsia

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: have written consent to participate in research; Midwifery degree (associate's, bachelor's or postgraduate); In groups of blended education have access to the Internet; Has not received additional continuing education in relation to preeclampsia / eclampsia. Exclusion criteria during the study: Is not involved at all stages of education or exams; Has received the distance training sessions and test, continuing education related to preeclampsia and eclampsia; Less than two hours from educational website (in groups of blended education) is used.

Age

No age limit

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 90

Randomization (investigator's opinion)

Randomized

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

Single blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

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

Mashhad University of Medical Sciences

Street address

Mashhad, University Avenue, Building Qureshi

City

mashhad

Postal code

13944-91388

Approval date

2016-07-16, 1395/04/26

Ethics committee reference number**Health conditions studied****1****Description of health condition studied**

preeclampsia and eclampsia

ICD-10 code

Z55.8

ICD-10 code description

Other problems related to education and literacy

Primary outcomes**1****Description**

Midwives' cognitive skill in the management of preeclampsia and eclampsia

Timepoint

Once before the intervention and again 2 week after the intervention

Method of measurement

Questionnaire

2**Description**

Midwives' self-efficacy in the management of preeclampsia and eclampsia

Timepoint

Once before the intervention and again 2 week after the intervention

Method of measurement

Questionnaire

3**Description**

Midwives' performance in the management of preeclampsia and eclampsia

Timepoint

Once before the intervention and again 2 week after the intervention

Method of measurement

Check list Step by Step

Secondary outcomes

empty

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

In the control group are offered lectures with PowerPoint training for 6 hours(14-8) by the supervisor, specialized consultant and researcher

Category

Other

2

Description

In simulation-based training, simulations will be done based on the Jeffries' framework (pre lectures, simulations, observation, feedback) which means the summary of the educational content will be explained. And then the management of preeclampsia and eclampsia runs in conditions simulated by standardized patient and Mannequins in groups of 5 people (three observers and two simulations) with the presence of research unit, Supervisors and Specialized Counselors and then the simulated are carried out feedback and necessary reforms.

Category

Other

3

Description

In the group receiver blended education, Initially training for lectures with PowerPoint are offered by the supervisor, specialized consultant and researcher. Then are given training on how to use and work with site and Finally, samples will be given a password and user name. Web-based educational content, including image, text and video. Midwives will have access to training website for a week (at least 120 minutes a week).

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Faculty of nursing and midwifery of Mashhad

Full name of responsible person

Maryam Tabatabaieian

Street address

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Mashhad University of Medical Sciences

Full name of responsible person

Research Mashhad University

Street address

Mashhad, Deputy of Research and Technology, After Hoveyze Cinema, Daneshgah street, Mashhad University of Medical Science

City

Mashhad

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?

Yes

Title of funding source

Mashhad 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 Nursing and Midwifery of Mashhad

Full name of responsible person

Masoumeh Kordi

Position

Master of midwifery

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Mashhad University of Medical Sciences

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Maryam Tabatabaeian

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Graduate Student Midwives

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Web page address

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