

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

19 Jun 2026

### Comparison of web based training, simulation based and traditional on midwifery students' clinical competency to manage postpartum Hemorrhage

#### Protocol summary

##### Summary

In this study, a three-group, randomized clinical trial that aims to compare the effectiveness of web-based training, and traditional simulation based on midwifery students' clinical competence in the management of postpartum hemorrhage. Inclusion criteria: undergraduate and postgraduate midwifery students; passing maternity theory of 2; consent to participate in research. Exclusion criteria: Problems, such as lack of education ; the absence participation in all phases of the test period. After explaining the objectives of the study and the consent of Medicine, 90 students participated in the study, the test method is OSCE. In this way the Students' skills in managing postpartum hemorrhage in 5 stations in the period running up to 30 minutes Skills of students by fellow researcher is gauged using the check list. The participating students into three groups (traditional education, web-based training, simulation-based training) are divided. In traditional training for 4 hours, training, management of postpartum hemorrhage, through lectures with PowerPoint and a video tutorial on how to simulate a 4-hour training run postpartum hemorrhage on mannequins postpartum and group Web-based management of postpartum hemorrhage learning via the Web is designed to be taught. 1 week after completion of the training, three groups of students after the test is done. After execute and completeness of information, students are competent in the management of postpartum hemorrhage is determined and compared before and after intervention.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2012102910661N2**  
Registration date: **2013-07-10, 1392/04/19**

Registration timing: **prospective**

Last update:

Update count: **0**

##### Registration date

2013-07-10, 1392/04/19

##### Registrant information

###### Name

Farzaneh Rashidi Fakari

###### Name of organization / entity

Faculty of midwifer & nursing mashhad

###### Country

Iran (Islamic Republic of)

###### Phone

+98 51 1859 1511

###### Email address

rashidif901@mums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Research Mashhad University of Medical Sciences

##### Expected recruitment start date

2013-09-23, 1392/07/01

##### Expected recruitment end date

2013-10-23, 1392/08/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

Comparison of web based training, simulation based and traditional on midwifery students' clinical competency to manage postpartum Hemorrhage

**Public title**

Midwifery students' clinical competence in the management of postpartum hemorrhage

**Purpose**

Prevention

**Inclusion/Exclusion criteria**

Inclusion criteria: undergraduate and postgraduate midwifery students; passing maternity theory of 2; consent to participate in research. Exclusion criteria: lack of education ; the absence participation in all phases of the test period

**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**

Building Qureshi-Daneshgah Avenue-mashhad

**City**

mashhad

**Postal code****Approval date**

2013-05-25, 1392/03/04

**Ethics committee reference number**

1392/03/04

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

ineffective education

**ICD-10 code**

Z55.8

**ICD-10 code description**

Other problems related to education and literacy

**2****Description of health condition studied**

Inadequate teaching

**ICD-10 code**

Z55.8

**ICD-10 code description**

Other problems related to education and literacy

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

Student competence in the management of postpartum hemorrhage

**Timepoint**

Once before the intervention and again 1 week after the intervention

**Method of measurement**

check list Step by Step

**Secondary outcomes****1****Description**

Nursing students' knowledge in the management of postpartum hemorrhage

**Timepoint**

Once before the intervention and again 1 week after the intervention

**Method of measurement**

Questionnaire

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

In traditional training, educational materials, lectures with PowerPoint and training videos for 4 hours (2 sessions, from hours 8 to 12AM) will be provided by the researcher. In group simulation-based training in the center of clinical skills in the summary of the content of the educational sessions, PowerPoint presentations and instructional videos for 45 minutes is explained, how to manage bleeding after delivery on the mannequin to the students displayed that, after training, students can practice on a mannequin or model. (for a total of 4 hours of training). Students have access to the website for 1 week one week after they have crossed username will be canceled and students will no longer be able to access educational content And other students will not be able to access educational content. At this time the students can via email (asynchronous) or face to face contact with a researcher should ask their own questions.

**Category**

Other

## Recruitment centers

1

### Recruitment center

**Name of recruitment center**

Faculty of Nursing and Midwifery of Mashhad

**Full name of responsible person**

Masoumeh Kordi

**Street address**

Khorasan Razavi, Mashhad, faculty Nursing of and Midwifery, Ibn Sina Street, University Avenue

**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**

Building Qureshi, Daneshgah Avenue

**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**

**Street address**

Crossroads Doktora, Ibn-Sina Avenue

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kordim@mums.ac.ir

**Web page address**

## Person responsible for scientific inquiries

### Contact

**Name of organization / entity**

Faculty of nursing and midwifery of Mashhad

**Full name of responsible person**

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**Position**

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**Other areas of specialty/work**

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**Web page address**

## Person responsible for updating data

### Contact

**Name of organization / entity**

Mashhad University of Medical Sciences

**Full name of responsible person**

Farzaneh Rashidi Fakari

**Position**

Student of Msc

**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*