

Clinical Trial Protocol

Iranian Registry of Clinical Trials

20 Sep 2026

The effects of Training with simulation on nursing performance in neonatal resuscitation

Protocol summary

Summary

1) Objective: the effect of teaching with simulation on the performance of nurses in neonatal resuscitation in Farideh Behbahani hospital. 2) Inclusion criteria: being employed in neonatal units; have undergraduate degree; passed resuscitation courses; have three years of experience; participation in training sessions; having consent to participate in the study. Exclusion criteria: not participate in training sessions; the reluctance to do study; lower score of 10 on the written test. 3) Study population and sample size: nursing staff including nurses and midwives, who are working in the field of neonatal Farideh Behbahani hospital, and their number is 40 people. 4) Interventions: neonatal resuscitation training with simulation and filming simultaneously and practicing on mannequin and view Educational Videos resuscitation 2011 in interventional group and study of neonatal resuscitation book (third edition) including changes resuscitation 2011 in control group, measuring the level of knowledge through written test and measuring the level of performance by performance checklist Before, immediately after and one month after training. 5) Primary outcomes: level of knowledge and performance of nurses.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014060818005N1**
Registration date: **2014-12-24, 1393/10/03**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-12-24, 1393/10/03

Registrant information

Name

rezvan mahfoozi

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 71 1230 5410

Email address

mahfoozi_r@sums.ac.ir

Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2013-08-23, 1392/06/01

Expected recruitment end date

2014-01-20, 1392/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effects of Training with simulation on nursing performance in neonatal resuscitation

Public title

The effect of teaching with simulation on the performance of nurses in neonatal resuscitation

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: being employed in neonatal units; have undergraduate degree; passed resuscitation courses; have three years of experience; participation in training sessions; having consent to participate in the study.

Exclusion criteria: not participate in training sessions; the reluctance to do study; lower score of 10 on the written test.

Age

From **20 years** old

Gender

Female

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **40**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Shiraz University of Medical Sciences

Street address

Shiraz University of Medical Sciences, Zand Street, Shiraz

City

Shiraz

Postal code

Approval date

2013-07-16, 1392/04/25

Ethics committee reference number

92-6615

Health conditions studied

1

Description of health condition studied

Relation of teaching by simulation with the performance of nurses in neonatal resuscitation

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Level of Knowledge

Timepoint

Before, immediately after and one month after training

Method of measurement

Written test

2

Description

Level of performance

Timepoint

Before, immediately after and one month after training

Method of measurement

Performance checklist

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: neonatal resuscitation training with simulations and filming simultaneously and practicing on mannequin and view Educational Video resuscitation 2011

Category

Other

2

Description

Control group: study of neonatal resuscitation book (third edition) including changes resuscitation 2011

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Farideh Behbahani hospital

Full name of responsible person

Rezvan Mahfoozi

Street address

Farideh Behbahani hospital, Behbahan, Khuzestan

City

Behbahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, shiraz University of Medical Sciences

Full name of responsible person

Dr. Gholamreza Hatam

Street address

Shiraz University of Medical Sciences, Zand Street, Shiraz

City

Shiraz

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, shiraz 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

Hazrat-e-Fatemeh Nursing and Midwifery Faculty, Shiraz University of Medical Sciences

Full name of responsible person

Rezvan Mahfoozi

Position

Neonatal Intensive Care Nursing Master of Science Student

Other areas of specialty/work

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Farideh Behbahani hospital, Behbahan, Khuzestan

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Hazrat-e-Fatemeh Faculty of Nursing and Midwifery, Shiraz University of Medical Sciences

Full name of responsible person

Marzeyeh Kargar

Position

Pediatric Nursing MS, Faculty member

Other areas of specialty/work

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Person responsible for updating data

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Full name of responsible person

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Position

Neonatal Intensive Care Nursing Master of Science Student

Other areas of specialty/work

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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