

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

The Effect of Clinical Teammate Educator in Compare with Workshop Education on Nursing Staff's Knowledge about Arterial Blood Gases in Firoozgar Hospital

Protocol summary

Summary

Aim: The purpose of the study is to investigate the effect of clinical teammate educator method in compare with workshop education on the knowledge of ICU nurses of Firoozgar Hospital. Design: Current study is an experimental study with pre-test and post-test with a control group. Inclusion criteria are: Informed consent to participate in the study, having the RN degree, and working in the study ward. Excluding criteria are: Dissatisfaction from continuing the study, changing workplace, and attendance in a similar educational program. Methods: two units from all intensive care units of Firoozgar hospital will be randomly selected. The study population will consist of all the staff of selected wards (at least 15 nurses). In one of the wards, clinical teammate educator method and in the other one, workshop method will be performed. Before and after these two methods of education, the knowledge of nursing staff will be evaluated and compared by a questionnaire. The effect of educational methods and knowledge level of nurses about arterial blood gases interpretation will be considered as the first and the second variables respectively.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012110711399N1**
Registration date: **2013-01-24, 1391/11/05**
Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2013-01-24, 1391/11/05

Registrant information

Name

Abbasali Ebrahimian

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 25 3107 1082

Email address

ebrahimian.aa@gmail.com

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2013-02-03, 1391/11/15

Expected recruitment end date

2013-07-06, 1392/04/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Clinical Teammate Educator in Compare with Workshop Education on Nursing Staff's Knowledge about Arterial Blood Gases in Firoozgar Hospital

Public title

The Effect of Clinical Teammate Educator in Compare with Workshop Education

Purpose

Other

Inclusion/Exclusion criteria

Inclusion criteria: Informed consent to participate in the study, and having the RN degree and working in the

study setting. Exclusion criteria: Refusing to continue the study, change in the ward, and attendance in a simultaneous and similar educational program.

Age

From **22 years** old to **50 years** old

Gender

Both

Phase

1

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Samples will be randomly selected among nursing staff of two intensive care units of Firoozgar hospital.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Tehran University of Medical Sciences

Street address

Tehran University of Medical Sciences, Ghods Street

City

Tehran

Postal code

Approval date

2012-11-07, 1391/08/17

Ethics committee reference number

68397-18829

Health conditions studied

1

Description of health condition studied

Comparison of clinical teammate method with workshop method

ICD-10 code

unspecifie

ICD-10 code description

Z55.9

Primary outcomes

1

Description

knowledge

Timepoint

Beginning of the study, two months after intervention

Method of measurement

Researcher made questionnaire to assess knowledge of Arterial blood gases interpretation

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group 1: Clinical teammate educator will attend in customary turns of his/her own working ward. Since the working load in different turns is not equal, the educator can do his/her previous roles in the ward as well as educating other personnel in suitable times (the time that other personnel have no predefined task) and encouraging them for learning. In these times he/she present a part of education curriculum to the personnel regarding to their pudding time and learners eagerness. Planning of turns through the program will be in a way that each nurse at least 8 times be co-turn with the clinical teammate educator.

Category

Other

2

Description

Intervention group 2: Simultaneous with the last week of education in clinical teammate educator group, workshop method will be performed for other group. A week after finishing the educational program in both groups, they will attend in the second exam (post test).

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Firoozgar Hospital

Full name of responsible person

Mrs Razmahang

Street address

Firoozgar Hospital, Valadi Street, Valieasr Street

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences, Vice chancellor for research

Full name of responsible person

Dr Fotouhi

Street address

Vice chancellor for research, Tehran University of Medical Sciences, Ghods Street

City

Tehran

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Tehran University of Medical Sciences, Vice chancellor for research

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**

Tehran University of Medical Sciences

Full name of responsible person

Abbas-Ali Ebrahimian

Position

PhD Student

Other areas of specialty/work**Street address**

School of Health Management and Information Sciences, Rashid Yasemi Street, Valieasr Street

City

Tehran

Postal code**Phone**

+98 216694423

Fax**Email**

a-ebrahimian@razi.tums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact**Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Dr Nader Khalesi

Position

PhD in Health Care Administration

Other areas of specialty/work**Street address**

School of Health Management and Information Sciences, Rashid Yasemi Street, Valieasr Street

City

Tehran

Postal code

Iran

Phone

+98 21 8877 8069

Fax**Email**

khalesi_nader@yahoo.com

Web page address

Person responsible for updating data

Contact**Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Abbas-Ali Ebrahimian

Position

PhD Student

Other areas of specialty/work**Street address**

School of Health Management and Information Sciences, Rashid Yasemi Street, Valieasr Street

City

Tehran

Postal code

Iran

Phone

+98 21 8877 8069

Fax**Email**

a-ebrahimian@razi.tums.ac.ir

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