Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

The comparative study of the effectiveness of teaching methods of workshop and multimedia on knowledge, attitude and performance of nurses about blood

Protocol summary

Summary

The purpose of this study is to compare the effect of two methods, multimedia and workshops, on knowledge, attitude and performance of nurses in the case of blood transfusion which is a randomized clinical trial with a control group.The members of this research are 111 people which are based on the determined sample size of nurses working in Rasoul Akram, Firoozgar and Firoozabadi teaching Hospitals. In case of lack of cooperation, the participant will be excluded from the study.To participate to the study 37 people will be selected from each hospital which two hospitals would be put in the intervention group and one hospital in the control group. At first the questionnaire of demographic, characteristics, knowledge, attitudes and performance will be completed as a self-report (pretest) then, it would be presented in the two hospitals which type of training is determined between the two types of training (workshops and multimedia).Two weeks after the intervention, in order to assess the primary outcome, self-reported questionnaires will be complete by nurses ,as the previous, in the condition of transfusion, then will Collect and evaluate.Also, the flash containing educational content and two educational posters would be offer to the control group as to comply with ethical issues then questionnaires would be analyzed by descriptive and interventional statistical tests.

General information

Acronym

Not

IRCT registration information

IRCT registration number: **IRCT2016081625333N1**
Registration date: **2016-12-10, 1395/09/20**
Registration timing: **retrospective**
Last update:
Update count: **0**

Registration date

2016-12-10, 1395/09/20

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Reaserch Assistance of Iran University of Medical Sciences-The International Pardis

Expected recruitment start date

2015-11-18, 1394/08/27

Expected recruitment end date

2016-08-16, 1395/05/26

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparative study of the effectiveness of teaching methods of workshop and multimedia on knowledge, attitude and performance of nurses about blood

Public title
Effectiveness of teaching methods of workshop and multimedia on knowledge, attitude and performance of nurses about blood transfusion
Purpose
Other
Inclusion/Exclusion criteria
Inclusion criteria:The nurse would be in direct contact with patients; also at least would have 6 months of experience in the emergency, surgery or oncology parts; additionally, employees should be excepted in Official, Contractual or project personnel. Exclusion criteria:During time of the study, In the case of lack of cooperation or nurse’s displacement of the emergency, surgery or oncology parts nurses will be excluded from the study.
Age
No age limit
Gender
Both

Phase
N/A
Groups that have been masked
No information
Sample size
Target sample size: **111**
Randomization (investigator's opinion)
N/A
Randomization description
Blinding (investigator's opinion)
Not blinded
Blinding description
Placebo
Not used
Assignment
Parallel
Other design features
Not

Secondary Ids

empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethics Committee of Iran University of Medical Sciences
Street address
Iran University of Medical Sciences, Between The Highway Martyr Chamran and Martyr Sheikh Fazlullah Nuri, Martyr Hemmat Highway ,Tehran, Iran.
City
Tehran
Postal code
1997613883
Approval date
2015-11-18, 1394/08/27
Ethics committee reference number
IR.IUMS.REC.1394 .9213655201

Health conditions studied

1

Description of health condition studied
Nurse education
ICD-10 code
N/A
ICD-10 code description
N/A

Primary outcomes

1

Description
knowledge, attitude and performance of nurses
Timepoint
Pre test and Tow Week’s after intervention
Method of measurement
questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
In the training workshops, including a four-hour session, three groups separately will be trained by method of lecture, group discussion, questions and answers, using the slide and two educational posters about educational purposes, the necessity of education, history of blood transfusions, procedures and actions required before blood transfusion which includes (verify the patient's identity, provide the conditions before taking delivery of products from blood bank, check apparent characteristics of submitted products, the process of blood transition) and the Instruction of dealing with the most common Acute complications related to blood transfusion which includes (fever, hives, dyspnea, hypotension). During the meeting, researcher will encourage nurses to have group discussion, questions and answers related to ambiguities. At end of the session, researcher and participants will summarize the subject. The nurses also will be asked to study the two posters during these two weeks. Also The Telephone number of research will be given to caregivers for solving the problems and answer to questions. In the training session, the researcher after introduction of her will divide the participants into groups of eight to ten people and then will explain the training program, the aim of the intervention and the importance of their cooperation. In addition to that the researcher will give some explanation about the process of blood transfusion and the important role of nurses in this process.
Category

Other

2

Description
In the method of teaching with multimedia, educational content which is saved on the flash will be offer to the participants.
Category
Other

3

Description
For the control group, training will not be given by researcher. In future they will receive routine training which includes saved educational content on flash and the two educational posters.
Category
Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Rasoole Akram Hospital
Full name of responsible person
Forough Rafii
Street address
Iran School of Nursing and Midwifery,Yasami St., Vali Asr Avenue.
City
Tehran

2

Recruitment center
Name of recruitment center
Firoozgar Hospital
Full name of responsible person
Forough Rafii
Street address
Iran School of Nursing and Midwifery,Yasami St., Vali Asr Avenue.
City
Tehran

3

Recruitment center
Name of recruitment center
Firoozabadi Hospital
Full name of responsible person
Forough Rafii
Street address
Iran School of Nursing and Midwifery,Yasami St., Vali Asr Avenue.
City
Tehran

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Research Assistance of Iran University of Medical Sciences
Full name of responsible person
Syed Ali Javad Mousavi
Street address
Iran University of Medical Sciences, Between The Highway Martyr Chamran and Martyr Sheikh Fazlullah Nuri, Martyr Hemmat Highway ,Tehran, Iran.
City
Tehran
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Research Assistance of Iran 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
Iran School of Nursing and Midwifery, Iran Universityof Medical Science
Full name of responsible person
Forough Rafii
Position
Professor
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