

Clinical Trial Protocol

Iranian Registry of Clinical Trials

19 Sep 2026

Effect of Interprofessional Education of Medication Safety on Reducing Medication Errors in ICU

Protocol summary

Summary

(1) Objectives: The aim of this study is to investigate the effect of the interprofessional education of medication safety and reducing medication errors in the ICU (2) Design: The study will be conducted in a semi-experimental (single phase, pre and post) in 2017. The sampling was convenience and consisted of 50 physicians and nurses who working in the intensive care unit of teaching hospitals affiliated to Isfahan University of Medical Sciences. (3) Setting and conduct: (4) Participants including major eligibility criteria: Inclusion criteria: Agree to the heads and staff of Hospital to participate in the study; Experience of at least one month in the intensive care units. Exclusion criteria: Unwillingness to continue cooperation at each stage of the research. (5) Intervention: Interprofessional education of medication safety runs in two sessions (11 hours) in the form of workshops, presentation of medication error scenarios and group discussion. (6) Main outcome measures (primary and secondary outcome variables): The main outcome is the study of medication error indicators, which is measured using the questionnaire before and one month after the program implementation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2017073135424N1**
Registration date: **2017-08-27, 1396/06/05**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-08-27, 1396/06/05

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Isfahan University of Medical Sciences

Expected recruitment start date

2017-08-16, 1396/05/25

Expected recruitment end date

2017-09-16, 1396/06/25

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of Interprofessional Education of Medication Safety on Reducing Medication Errors in ICU

Public title

Effect of Interprofessional Education of Medication Safety on Reducing Medication Errors in Intensive care unit(ICU)

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:)Agree to the heads and staff of Hospital to participate in the study; Experience of at least one month in the intensive care units. Exclusion criteria: Unwillingness to continue cooperation at each

stage of the research).

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **50**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Isfahan University of Medical Science

Street address
Hezar-Jerib Ave., Isfahan, IR Iran, 81746 73461,
Isfahan University of Medical Science

City
Isfahan

Postal code

Approval date
2016-06-21, 1395/04/01

Ethics committee reference number
IR.REC.1395.3.267

Health conditions studied

1

Description of health condition studied
Relationship Between Interprofessional Education of
Medication Safety and Reducing Medication Errors in the
Intensive Care Unit

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Medication Error

Timepoint
One Month After Implementation of Educational
Intervention

Method of measurement
Questionnaire

Secondary outcomes

1

Description
Medication Error

Timepoint
One Month After Implementation of Educational
Intervention

Method of measurement
Questionnaire

Intervention groups

1

Description
Interprofessional Education of Medication Safety

Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center
Alzahra Hospital

Full name of responsible person

Street address

City
Isfahan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Isfahan University of Medical Sciences

Full name of responsible person
Isfahan University of Medical Sciences

Street address
Hezar-Jerib Ave., Isfahan, IR Iran, 81746 73461,
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City
Isfahan

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?
Yes

Title of funding source
Isfahan 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*

Hezar-Jerib Ave., Isfahan, IR Iran, 81746 73461,

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Position

Associate Professor

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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*