

Clinical Trial Protocol

Iranian Registry of Clinical Trials

25 Jun 2026

Comparison of lecture and simulation educational methods on adherence to ventilator settings guidelines among emergency residents (in training)

Protocol summary

Summary

Objectives: Comparison of lecture and simulation methods in adherence to guidelines of ventilator settings for emergency assistant. Design: Randomized, single-blind, single-center, phase II trial. Setting and conduct: A group of residents in training in emergency medicine will be trained through traditional lecture method and other group of residents will be trained through simulation method. At the end of training courses, they will be evaluated about rate of adherence to a guidelines of ventilator settings. Inclusion criterion includes education in first year of residency in emergency medicine. Exclusion criterion includes not participation in training sessions and evaluation at the end of the period. Main outcome measure variables: Rate of adherence to guidelines of ventilator settings.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016041827457N1**

Registration date: **2016-08-14, 1395/05/24**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-08-14, 1395/05/24

Registrant information

Name

Mehdi Rezaie

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6435 2107

Email address

rezaei.me@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research, Iran University of Medical Sciences

Expected recruitment start date

2016-06-21, 1395/04/01

Expected recruitment end date

2016-08-22, 1395/06/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of lecture and simulation educational methods on adherence to ventilator settings guidelines among emergency residents (in training)

Public title

Effectiveness of simulation training on adherence to guidelines for ventilator settings

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criterion: Education in first year of residency in emergency medicine. Exclusion criterion: Lack of attend training sessions and tests the end of the period.

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Single blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Randomization will be done using a random number table.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Iran University of Medical Sciences

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Postal code

Approval date

2015-01-28, 1393/11/08

Ethics committee reference number

105/5224/93/3

Health conditions studied

1

Description of health condition studied

Ventilator

ICD-10 code

Z51.8

ICD-10 code description

Other specified medical care

Primary outcomes

1

Description

Rate of adherence to a guidelines of ventilator settings

Timepoint

Before and after the intervention

Method of measurement

Adherence to a guidelines of ventilator settings by the

checklist of ventilator settings

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: in this group, simulation training method will be used in three 90-minute training sessions during three consecutive days.

Category

Other

2

Description

Control group: in this group, lecture training method will be used in three 90-minute training sessions during three consecutive days.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Iran University of Medical Sciences

Full name of responsible person

Dr Mehdi Rezaie

Street address

Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Iran University of Medical Sciences

Full name of responsible person

Dr Morteza Naserbakht

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

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, 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 University of Medical Sciences

Full name of responsible person

Dr Hosein Saiedi

Position

Emergency Medicine Specialist

Other areas of specialty/work

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Central staff, Iran University of Medical Sciences,
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Person responsible for scientific inquiries

Contact

Name of organization / entity

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Full name of responsible person

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Person responsible for updating data

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr Ozra Riahi

Position

Resident of Emergency Medicine

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