

Clinical Trial Protocol

Iranian Registry of Clinical Trials

16 Sep 2026

Assessment of mannequin based intubation training in the first year residents of anesthesiology in terms of practical skills and assessment of the level of satisfaction.

Protocol summary

Summary

Intubation training is one of the most important issues in the curriculum of the Anesthesiology's residents. To achieve this, there are two method of teaching: firstly, on the patients' bedside in the operating room, and secondly, it can be performed using a mannequin to teach the residents before direct practicing on the patients. Nowadays, the second choice for patient's safety concern is of utmost acceptance. The inclusion criterion: all of novice residents of anesthesiology in the Tehran University of Medical Sciences during one year (they are 25 persons). The exclusion criterion: any history of participation of the residents in an intubation training program during their previous carrier. Method of the study: All residents will be enrolled in one week program of Intubation training using mannequin along with theoretical courses regarding to the practical key points. Before and after that program they will be undertaken a Multiple Choice Question (MCQ) test to assess their theoretical progress during the scheme. After the program, the residents will have been undertaken Objective Structured Clinical Examination (OSCE) to evaluate their practical skills. In addition, there is one satisfaction Likert's questionnaire to evaluate whether residents are satisfied with the entire program or not. Moreover, professors also are asked of their satisfaction with the attitude and skillfulness of the residents. The primary outcome is the evaluation of the practical skills of the residents and the secondary outcome is assessment of the satisfaction in both residents and university attending.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014040917198N1**

Registration date: **2014-07-18, 1393/04/27**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2014-07-18, 1393/04/27

Registrant information

Name

Farhad Etezadi

Name of organization / entity

Tehran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 2204 8483

Email address

etezadi@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Tehran University of Medical Sciences

Expected recruitment start date

2014-09-01, 1393/06/10

Expected recruitment end date

2014-10-02, 1393/07/10

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment of mannequin based intubation training in the first year residents of anesthesiology in terms of

practical skills and assessment of the level of satisfaction.

Public title
Assessment of mannequin based intubation training.

Purpose
Health service research

Inclusion/Exclusion criteria
Inclusion criteria: All the first-year residents of Anesthesiology at Tehran University of Medical Sciences.
Exclusion criteria: Previous participation of resident in the intubation skill training programs.

Age
No age limit

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **25**

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Tehran University of Medical Sciences

Street address
Central building, Keshavarz Blv., Tehran, Iran

City
Tehran

Postal code

Approval date
2014-05-12, 1393/02/22

Ethics committee reference number
92-04-76-24951-110833

Health conditions studied

1

Description of health condition studied
intubation skills training

ICD-10 code

Z40-Z54

ICD-10 code description
Persons encountering health services for specific procedures and health care

Primary outcomes

1

Description
Results of OSCE examination

Timepoint
After intubation training

Method of measurement
OSCE

Secondary outcomes

1

Description
Results of satisfaction questionnaire

Timepoint
After intubation training

Method of measurement
Likert's satisfaction scoring system

Intervention groups

1

Description
Intubation training

Category
Other

Recruitment centers

1

Recruitment center

Name of recruitment center
Sina Hospital

Full name of responsible person
Dr Farhad Etezadi

Street address

City
Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Tehran University of Medical Sciences

Full name of responsible person
Farhad Etezadi

Street address
Central Building, Keshavarz Blv., 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
Tehran 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
Tehran University of Medical Sciences
Full name of responsible person
Dr Farhad Etezadi
Position
Assistant Professor
Other areas of specialty/work
Street address
Sina Hospital, Hassanabad Sq., Tehran, Iran
City
Tehran
Postal code
Phone
+98 21 6634 8532
Fax
Email
etezadi@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 Farhad Etezadi
Position

Assistant Professor
Other areas of specialty/work
Street address
Sina Hospital, Hassanabad Sq., Tehran, Iran
City
Tehran
Postal code
Phone
+98 21 2204 8483
Fax
Email
etezadi@tums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Dr Farhad Etezadi
Position
Assistant Professor
Other areas of specialty/work
Street address
Sina Hospital, Hassanabad Sq., Tehran, Iran
City
Tehran
Postal code
Phone
+98 21 2204 8483
Fax
Email
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