

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 Jun 2026

The Effect of Emergency Severity Index (ESI) Triage System Education on Knowledge, and Decision making of Senior Medical Student

Protocol summary

Summary

1) Objectives: The aim of this research was assessing the effect of emergency severity index triage system training on knowledge, and decision-making of senior medical student. 2) Design: 150 senior medical students will enter to the study. 3) Setting and conduct: Students are randomly divided into two groups (100 students in intervention, 50 students in control) based on computer software. Firstly, a questionnaire on demographic status and level of knowledge and decision-making of the triage will be presented. In the intervention group, a triage training workshop will be conducted, but this workshop will not be held for the control group. The questionnaire will be filled in again by the students after the end of the workshop. Learning in the control group is empirically while during the training course in the emergency department. Four weeks later, the same questionnaires will be returned to the students of both groups for completion. In order to allow the control group students to complete the triage training workshop, after completing the second questionnaire, a triage training workshop will be held for them. 4) Participants including major eligibility criteria: Inclusion criteria: all senior medical students of Tabriz University of Medical Sciences and Azad University in 2017. Exclusion criteria include the unwillingness to cooperate with the study and absence in any tests. 5) Intervention: Triage workshop is based on the latest guideline of emergency severity index, which consists of 2 60-minutes sessions. 6) Main outcome measures variables: The knowledge and decision-making of medical student will be compared.

General information

Acronym

Emergency Severity Index=ESI

IRCT registration information

IRCT registration number: **IRCT2017080412592N4**

Registration date: **2017-09-17, 1396/06/26**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-09-17, 1396/06/26

Registrant information

Name

Farzad Rahmani

Name of organization / entity

Tabriz University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 41 3335 2078

Email address

rahmanif@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Tabriz University of Medical Sciences

Expected recruitment start date

2017-08-23, 1396/06/01

Expected recruitment end date

2018-01-21, 1396/11/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The Effect of Emergency Severity Index (ESI) Triage System Education on Knowledge, and Decision making of Senior Medical Student

Public title

The Effect of How to Prioritize Patients in the Emergency Ward on Knowledge, and Decision making of Medical Students

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion criteria include all senior medical students of Tabriz University of Medical Sciences and Tabriz Azad University in 2017-2018. Exclusion criteria: unwillingness to cooperate with the study and absence in any tests.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 150

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Students will randomly be divided into two intervention (100 students) and control (50 students) groups based on Randomized allocation software. In the intervention group, triage training workshop will be conducted for them, however, in control group triage training workshop will not be conducted. Both groups will be matched in terms of demographic variables.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethic Committee of Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences, Golgasht Street

City

Tabriz

Postal code

Approval date

2010-09-23, 1389/07/01

Ethics committee reference number

IR.TBZMED.REC.1396.289

Health conditions studied

1

Description of health condition studied

Training of emergency severity index triage

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Knowledge

Timepoint

Before, immediately and 4 weeks after intervention

Method of measurement

Questionnaire

Secondary outcomes

1

Description

Decision-making

Timepoint

Before, immediately and 4 weeks after intervention

Method of measurement

Questionnaire

Intervention groups

1

Description

Intervention group: Training of emergency severity index triage based on the latest guideline in two 60 minute sessions.

Category

N/A

2

Description

Control group: The intervention in this group will be experimental learning during the one month course in the emergency department.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Tabriz University of Medical Sciences

Full name of responsible person

Farzad Rahmani

Street address

Golgasht Street, Tabriz University of Medical Sciences
City
Tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Research Vice-Chancellor of Tabriz University of Medical Sciences

Full name of responsible person

Mohammadreza Rashidi

Street address

Golgasht Street, Tabriz University of Medical Sciences

City

Tabriz

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

Yes

Title of funding source

Research Vice-Chancellor of Tabriz 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**

Tabriz University of Medical Sciences

Full name of responsible person

Farzad Rahmani

Position

Assistant Professor / Emergency Medicine Specialist

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

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Full name of responsible person

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Person responsible for updating data

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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