

Clinical Trial Protocol

Iranian Registry of Clinical Trials

02 Jul 2026

The effect of Pre-hospital Trauma Management training of Ambulance Caregivers and impact on the Time indices and Clinical Decision Making of Traumatic Patients-

Protocol summary

Study aim

Determine the Impact of Traumatic Patient Management Program on Time Indicators Determine the Impact of Traumatic Patient Program on Clinical Decision Making

Design

The Samples are divided into two levels of Undergraduate and Bachelor education by stratified random sampling method and will be simple random sampling into two groups of intervention and control in each level in proportion to the number. Sample size According to the same study data for the clinical decision-making variable of medical emergency students, about 23 samples for each group were calculated. Considering the probability of the attrition of 25% of the samples, 29 were considered. In order to increase the strength of each group, 32 patients were considered.

Settings and conduct

In this research, the population will be technicians working in medical emergency centers affiliated to Gonabad University of Medical Sciences who have entry criteria. There will be no intervention for the control group. After and one month after the intervention, both post-test groups will be taken.

Participants/Inclusion and exclusion criteria

Inclusion Criteria: Do not have a trainee experience at the Trauma Management Workshop Exclusion Criteria: Emergency care report forms transmitted to the Medical center by more than one patient by an ambulance

Intervention groups

Intervention group: The intervention for the intervention group will be a two-day workshop for the management of traumatic patients. Emergency Medical Technicians will learn the measures and principles of Pre-hospital care in dealing with trauma patients in a combination of lecture methods and clinical simulations (real-life trauma scenarios in skill centers). Control group: In this group,

the main outcome variables will be measured without intervention.

Main outcome variables

Clinical Decision Making; Time Indices

General information

Reason for update

Acronym

PHTM

IRCT registration information

IRCT registration number: **IRCT20180802040677N1**

Registration date: **2018-08-17, 1397/05/26**

Registration timing: **prospective**

Last update: **2018-08-17, 1397/05/26**

Update count: **0**

Registration date

2018-08-17, 1397/05/26

Registrant information

Name

Mohammad Hossein Esmaeilzadeh

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 51 5722 0164

Email address

mohammad.esmailzade@bums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-08-21, 1397/05/30

Expected recruitment end date

2018-09-21, 1397/06/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of Pre-hospital Trauma Management training of Ambulance Caregivers and impact on the Time indices and Clinical Decision Making of Traumatic Patients-

Public title

The effect of Pre-hospital Trauma Management training of Ambulance Caregivers and impact on the Time indices and Clinical Decision Making of Traumatic Patients-

Purpose

Health service research

Inclusion/Exclusion criteria**Inclusion criteria:**

Emergency Medical Operations Technicians Having Undergraduate Diploma or Bachelor of Emergency Medicine Do not have a trainee experience at the Trauma Management Workshop

Exclusion criteria:

Emergency care report forms transmitted to the Medical center by more than one patient by an ambulance

Age

No age limit

Gender

Male

Phase

N/A

Groups that have been masked

- Investigator
- Outcome assessor
- Data analyser
- Data and Safety Monitoring Board

Sample size

Target sample size: **64**

Randomization (investigator's opinion)

Randomized

Randomization description

The Samples are divided into two levels of Undergraduate and Bachelor education by stratified random sampling method and will be simple random sampling into two groups of intervention and control in each level in proportion to the number.

Blinding (investigator's opinion)

Single blinded

Blinding description

Participants, main investigators, researchers, data collection officials and those who evaluate the outcome, and the safety and monitoring committee of the data have been kept to the two groups of blind intervention and control.

Placebo

Not used

Assignment

Parallel

Other design features

Designing a questionnaire by a researcher and verifying its validity and reliability

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Birjand University of Medical Sciences

Street address

Birjand University of Medical Sciences, Ghaffari Street

City

Birjand

Province

South Khorasan

Postal code

9691757639

Approval date

2018-07-23, 1397/05/01

Ethics committee reference number

IR.BUMS.REC.1397.099

Health conditions studied**1****Description of health condition studied**

Pre-hospital Trauma Management

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Clinical Decision Making

Timepoint

Before, after and one month after the intervention begins

Method of measurement

Clinical Decision-Making Researcher Questionnaire

Secondary outcomes**1****Description**

Time Indices

Timepoint

Before, after and one month after the intervention begins

Method of measurement

Emergency Automation System

Intervention groups

1

Description

Control group: There is no intervention

Category

N/A

2

Description

Intervention group: The intervention for the intervention group will be a two-day workshop for the management of traumatic patients. Emergency Medical Technicians will learn the measures and principles of Pre-hospital care in dealing with trauma patients in a combination of lecture methods and clinical simulations (real-life trauma scenarios in skill centers).

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Disaster Management Center

Full name of responsible person

Mohammad Hossein Esmaeilzadeh

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Emergency organization

Full name of responsible person

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gonabad

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Grant name

Grant code / Reference number

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

Yes

Title of funding source

Emergency organization

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Gonabad University of Medical Sciences

Full name of responsible person

Mohammad Hossein Esmaeilzadeh

Position

Emergency Medical Technician

Latest degree

Bachelor

Other areas of specialty/work

Pre-hospital Emergency

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Person responsible for scientific inquiries

Contact

Name of organization / entity

Gonabad University of Medical Sciences

Full name of responsible person

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Position

Emergency Medical Technician

Latest degree

Bachelor

Other areas of specialty/work

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Person responsible for updating data**Contact****Name of organization / entity**

Gonabad University of Medical Sciences

Full name of responsible person

Mohammad Hossein Esmaeilzadeh

Position

Emergency Medical Technician

Latest degree

Bachelor

Other areas of specialty/work

Pre-hospital Emergency

Street address

Nursing Blvd, Disaster Management Center

Sharing plan**Deidentified Individual Participant Data Set (IPD)**

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available