

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jun 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

##### Street address

Nursing Blvd, Disaster Management Center

##### City

Gonabad

##### Province

Razavi Khorasan

##### Postal code

9691757638

##### Phone

+98 51 5722 0164

##### Email

esmailzade@chmail.ir

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Emergency organization

##### Full name of responsible person

Mohammad Hossein Esmaeilzadeh

##### Street address

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gonabad

##### Province

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##### Postal code

9691757635

##### Phone

+98 51 5722 7141

##### Email

mohammadhoseinesmailzade@gmail.com

##### 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

##### Street address

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##### Province

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+98 51 5722 0167

##### Email

esmaizade@chmail.ir

## Person responsible for scientific 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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mohammadhoseinesmailzade@gmail.com

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

Gonabad University of Medical Sciences

**Full name of responsible person**

Mohammad Hossein Esmailzadeh

**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