Clinical Trial Protocol
Iranian Registry of Clinical Trials

31 Oct 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 popuiation 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

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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
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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Emergency organization
Full name of responsible person
Mohammad Hossein Esmaeilzadeh
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gonabad
Province
Razavi Khorasan
Postal code
9691757635
Phone
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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
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Person responsible for scientific inquiries

Contact
Name of organization / entity
Gonabad University of Medical Sciences
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Position
Emergency Medical Technician
Latest degree
Bachelor
Other areas of specialty/work
Pre-hospital Emergency

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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
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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