Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Study of the effect of ECG Telemetry on timing indicators and miss-triage among patients with Chest pain

Protocol summary

Study aim
Determination of the effect of ECG Telemetry on timing indicators and miss-triage among patients with Chest pain

Design
Two arm parallel group randomized trial postoperative care and outcome assessment

Settings and conduct
Currently the 247 protocol is being developed to identify patients with acute myocardial infarction at Imam Reza's Hospital in Mashhad.Which is causing somewhat of an emergency.A researcher in the test group has received the ECG and sent for an emergency specialist and heart specialist by tele cardiogram.To evaluate its impact on time indices and triage error.

Participants/Inclusion and exclusion criteria
Inclusion criteria for include patients with chest pain complaints and age above 18 years. Exclusion criteria include the resumption or death of the patient during the transfer, the patient's refusal or the patient's desire for the intervention to refer to another hospital outside the scope of the study criteria

Intervention groups
In the intervention group, in addition to the 247 protocol, which is used to identify patients with heart attacks, the ECG is also available.And in the control group only protocol 247 runs

Main outcome variables
Time Indicators and Triage Errors

General information

Reason for update

Acronym

IRCT registration information
IRCT registration number: **IRCT20180112038325N1**
Registration date: **2018-03-13, 1396/12/22**
Registration timing: **registered_while_recruiting**
Last update: **2018-03-13, 1396/12/22**
Update count: **0**

Registration date
2018-03-13, 1396/12/22

Registrant information

Name
masoumeh motie Noghabi

Name of organization / entity

Country
Iran (Islamic Republic of)

Phone
+98 51 3859 1511

Email address
motiem931@mums.ac.ir

Recruitment status
Recruitment complete

Funding source

Expected recruitment start date
2018-03-06, 1396/12/15

Expected recruitment end date
2018-06-20, 1397/03/30

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Study of the effect of ECG Telemetry on timing indicators and miss-triage among patients with Chest pain

Public title
The effect of ECG per-hospital on the diagnosis and treatment of cardiac patient

Purpose
Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria:

patients with Chest pain Age older than 18 years
Exclusion criteria:
Resuscitation or death of the patient during transfer
Denial of the patient or the willingness of the intervention group to refer to another hospital outside the scope of the study

Age
From **18 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **60**

Randomization (investigator's opinion)
Randomized

Randomization description
Simple randomization will be done using random numbers, so that the pair numbers will be assigned to the intervention group.

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of mashhad University of Medical Sciences

Street address
Faculty of Nursing Midwifery, Avicenna Street, Ph.D. Crossroads, University Street

City
mashhad

Province
Razavi Khorasan

Postal code
9137913199

Approval date
2018-02-04, 1396/11/15

Ethics committee reference number
IR.MUMS.REC.1396.363

Health conditions studied

1

Description of health condition studied
Acute myocardial infarctionf

ICD-10 code
I21.01

ICD-10 code description
ST elevation (STEMI) myocardial infarction involving left main coronary artery

Primary outcomes

1

Description
Time Indicators and Triage Errors

Timepoint
Dispatch contact time.Time to get to the scene,The first time you get an electrocardiogram, Admission Time in Emergency Hospital, The first visit of an emergency medicine specialist, The first visit of the cardiologist, The onset of treatment

Method of measurement
Patient records and emergency e-mail files

Secondary outcomes

empty

Intervention groups

1

Description
Patient examination and diagnosis of acute myocardial infarction with protocol 247 and receiving an electrocardiogram by a tele cardiogram in the pre-hospital and sent to an emergency specialist and physicial.

Category
Early detection

2

Description
Control group: The routine identification of patients with myocardial infarction is performed by protocol 247

Category
Early detection

Recruitment centers

1

Recruitment center

Name of recruitment center
Imam Reza Hospital (AS)

Full name of responsible person
Masoumeh Motie Noughabi

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Faculty of Nursing Midwifery, Avicenna Street, Ph.D. Crossroads, University Street

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Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Mashhad University of Medical Sciences
Full name of responsible person
Mohsen Tafaghodi
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Mashhad University of Medical Sciences, Vice chancellor for research, Ghoraishy Building, University St
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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
Mashhad University of Medical Sciences
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
Mashhad University of Medical Sciences
Full name of responsible person
Masoumeh Motie Noghabi
Position
student
Latest degree
Bachelor
Other areas of specialty/work
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

No more information

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

No - There is not 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