

Clinical Trial Protocol

Iranian Registry of Clinical Trials

07 Jul 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 infarction

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 physical.

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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Sponsors / Funding sources

1

Sponsor

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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
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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