

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effect of routine chest and abdominopelvic CT-scan on complications and admission time in blunt trauma

Protocol summary

Summary

The aim of this study is to assess the effect of performing routine chest and abdominopelvic CT-scan on outcome and admission time in blunt trauma patients, in comparison to a selective use of CT-scan. One-hundred and forty hemodynamically stable and conscious blunt trauma patients are enrolled in the study and assigned randomly into two groups. For group one CT-scan is done selectively according to the decision of the trauma team and for group two chest and abdominopelvic CT-scan is requested for all. Time of admission in the emergency room, on the ward and intensive care unit, performed surgical procedures, morbidity and mortality are assessed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016031412355N2**

Registration date: **2016-12-07, 1395/09/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2016-12-07, 1395/09/17

Registrant information

Name

Nushin Moussavi-Biuki

Name of organization / entity

Kashan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 36155540026

Email address

moosavi_n@kaums.ac.ir

Recruitment status

Recruitment complete

Funding source

Kashan University of Medical Sciences

Expected recruitment start date

2016-03-19, 1394/12/29

Expected recruitment end date

2016-06-19, 1395/03/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of routine chest and abdominopelvic CT-scan on complications and admission time in blunt trauma

Public title

Routine chest and abdominopelvic CT-scan in blunt trauma

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria: severe blunt trauma; stable hemodynamic status; Glasgow Coma Scale of 14-15.
Exclusion criteria: pregnant women; children.

Age

From **18 years** old to **80 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **140**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Single 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 Kashan University of Medical Sciences

Street address

Kashan University of Medical Sciences, Ghotb-e-Ravandi Blvd, Kashan, Iran

City

Kashan

Postal code

8715981151

Approval date

2015-11-30, 1394/09/09

Ethics committee reference number

ir.kaums.rec.1394.140

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

Trauma

ICD-10 code

S00-T98 an

ICD-10 code description

Accidents and falls

Primary outcomes**1****Description**

Duration of admission

Timepoint

Day of admission and discharge

Method of measurement

Days

2**Description**

Duration of Intensive Care Unit Admission

Timepoint

Day of admission and discharge from the Intensive Care Unit Admission

Method of measurement

Days

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

Morbidity and mortality

Timepoint

Day of discharge

Method of measurement

Checklist based on registered complications

Intervention groups**1****Description**

Intervention group: Routine chest and abdominopelvic CT-scan

Category

Diagnosis

2**Description**

Control group: Chest and abdominopelvic CT-scan if trauma team decides, based on clinical presentation.

Category

Diagnosis

Recruitment centers**1****Recruitment center****Name of recruitment center**

Shahid-Beheshti Hospital

Full name of responsible person

Nushin Moussavi-Biuki

Street address

Shahid-Beheshti Hospital, Ghotb-e-Ravandi Street, Kashan, Iran

City

Kashan

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Kashan's University of Medical Sciences

Full name of responsible person

Kashan's University of Medical Sciences

Street address

Kashan's University of Medical Sciences, Ghotb-e-

Ravandi Street, Kashan, Iran

City

Kasahan

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Kashan's University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Surgery Department of Kashan's University of Medical Sciences

Full name of responsible person

Nushin Moussavi-Biuki

Position

Assistant Professsor

Other areas of specialty/work

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Person responsible for scientific inquiries

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Full name of responsible person

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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty