

Clinical Trial Protocol

Iranian Registry of Clinical Trials

30 May 2026

Effects of a new protocol for pain relief in renal colic patients on reducing the cost of emergency

Protocol summary

Summary

Objectives: to compare the emergency costs with and without the use of the new protocol reduced renal colic pain. Design: randomized, Single-blind, single-center, phase II clinical trial. Setting and conduct: in Group A, the new protocol for treatment of renal colic is administered. For Group B, The new protocol is not administered. After treatment, the cost for patients in emergency ward will be evaluated. Inclusion criterion: patients with renal colic. Exclusion criterion: patients with cardiovascular disease, high blood pressure and diabetes. Main outcome measure variables: costs in emergency ward.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016112727457N2**
Registration date: **2017-02-20, 1395/12/02**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-02-20, 1395/12/02

Registrant information

Name

Mehdi Rezaie

Name of organization / entity

Iran University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 6435 2107

Email address

rezaei.me@iums.ac.ir

Recruitment status

Recruitment complete

Funding source

Iran University of Medical Sciences

Expected recruitment start date

2017-02-19, 1395/12/01

Expected recruitment end date

2017-05-22, 1396/03/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of a new protocol for pain relief in renal colic patients on reducing the cost of emergency

Public title

Effects of a new protocol for pain relief in renal colic patients on reducing the cost of emergency

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criterion: patients with renal colic. Exclusion criterion: patients with diseases of cardiovascular, high blood pressure and diabetes.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

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 Iran University of Medical Sciences

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Postal code

Approval date

2016-02-19, 1394/11/30

Ethics committee reference number

IR.IUMS.REC.1394.9311307010

Health conditions studied

1

Description of health condition studied

renal colic

ICD-10 code

N23

ICD-10 code description

Unspecified renal colic

Primary outcomes

1

Description

The patients treatment costs in emergency ward

Timepoint

After treatment

Method of measurement

According to hospital records

Secondary outcomes

empty

Intervention groups

1

Description

The intervention group: the new protocol reduces colic pain.

Category

Treatment - Drugs

2

Description

Control group: routin treatment

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Iran University of Medical Sciences

Full name of responsible person

Dr Mehdi Rezaie

Street address

Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research, Iran University of Medical Sciences

Full name of responsible person

Dr Morteza Naserbakht

Street address

Fifth floor, Central staff, Iran University of Medical Sciences, Hemmat Highway

City

Tehran

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Vice chancellor for research, Iran 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

+98 21 6435 2107

Fax

Email

rezaei.me@iums.ac.ir

Web page address

Person responsible for general inquiries

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr. Mehdi Rezaie

Position

Emergency Medicine Specialist

Other areas of specialty/work

Street address

Central staff, Iran University of Medical Sciences,
Hemmat Highway

City

Tehran

Postal code

Phone

+98 216435210

Fax

Email

rezaei.me@iums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr Mehdi Rezaie

Position

Emergency Medicine Specialist

Other areas of specialty/work

Street address

Central staff, Iran University of Medical Sciences,
Hemmat Highway

City

Tehran

Postal code

Phone

+98 216435210

Fax

Email

rezaei.me@iums.ac.ir

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Iran University of Medical Sciences

Full name of responsible person

Dr. Hosein Saiedi

Position

Emergency Medicine Specialist

Other areas of specialty/work

Street address

Central staff, Iran University of Medical Sciences,
Hemmat Highway

City

Tehran

Postal code

Phone

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