

Clinical Trial Protocol

Iranian Registry of Clinical Trials

31 Jul 2026

The analgesic effect of intravenous paracetamol and acupuncture and intramuscular diclofenac in renal colic

Protocol summary

Summary

The Objective of this study is to compare the analgesic effect of intravenous paracetamol and acupuncture and intramuscular diclofenac in renal colic patients. This study is design as a clinical trial. In this patients with renal colic will be enrolled. They will be divided into three groups regard to random block method. Inclusion is patients with renal colic and aged between 18 and 50. exclusion criteria are: pregnancy; drug abuse; using pain killer before visit and underlying diseases. Patients will be asked to mark his/her pain regard to Visual Analogue Scale (VAS). Then they will receive 75 mg intramuscular diclofenac or 1 gram intravenous paracetamol or acupuncture (three points stimulation in 6 minutes). After interventions, pain score were evaluated after 10 minutes, 30 minutes and 60 minutes and results will be compared between groups

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016072129023N1**

Registration date: **2017-06-07, 1396/03/17**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-06-07, 1396/03/17

Registrant information

Name

Seyed Hasan HoseiniFaegh

Name of organization / entity

Mashhad University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

hoseinifh931@mums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice chancellor for research of Mashhad University of Medical Sciences

Expected recruitment start date

2017-05-17, 1396/02/27

Expected recruitment end date

2017-07-31, 1396/05/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The analgesic effect of intravenous paracetamol and acupuncture and intramuscular diclofenac in renal colic

Public title

intravenous paracetamol and acupuncture and intramuscular diclofenac in renal colic patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion is patients with renal colic and aged between 18 and 50. exclusion criteria are: pregnancy; drug abuse; using pain killer before visit and underlying diseases.

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 96

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

Mashhad University of Medical Sciences

Street address

Iran, Mashhad, Qoriyshi building, Mashhad University of Medical Sciences

City

Mashhad

Postal code

1234567

Approval date

2016-09-22, 1395/07/01

Ethics committee reference number

IR.MUMS.fm.REC.1395.79

Health conditions studied

1

Description of health condition studied

Renal Colic

ICD-10 code

N20

ICD-10 code description

Calculus of kidney and ureter

Primary outcomes

1

Description

Pain severity

Timepoint

10 minutes, 30 minutes, 60 minutes

Method of measurement

visual analog scale (VAS)

Secondary outcomes

empty

Intervention groups

1

Description

75 mg intramuscular diclofenac

Category

Treatment - Drugs

2

Description

1 gram intravenous paracetamol

Category

Treatment - Drugs

3

Description

acupuncture (three points stimulation in 6 minutes)

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Reza hospital

Full name of responsible person

Dr. seyed Hasan Hoseini Faegh

Street address

Emam Reza Square, Ebne Sina Avenue, Mashhad, Iran

City

Mashhad

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice chancellor for research of Mashhad University of Medical Sciences

Full name of responsible person

Dr. Mohsen Tafaghodi

Street address

Ghoreyshi Building, Daneshgah Streets, Mashhad, Iran

City

Mashhad

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 of Mashhad 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
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Person responsible for updating data

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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