Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 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. IInclusion 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
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Iran (Islamic Republic of)
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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 Strees, 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
Mashhad University of Medical Sciences

Full name of responsible person
Dr. seyed Hasan Hoseini Faegh

Position
Resident

Other areas of specialty/work

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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