Clinical Trial Protocol
Iranian Registry of Clinical Trials

07 Nov 2026

Comparing the effect of Ranitidin and Pantoprazole on PICU patients in Imam hossein hospital

Protocol summary

Summary

Objective: comparing the effect of Ranitidin and Pantoprazole on PICU patients in Imam hossein hospital. Inclusion criteria: pediatric patient aged 2months - 15 years old who have parents consent. Exclusion criteria: discharging before the end of the study; any condition that need change the dose of Ranitidin and Pantoprazole e.g GI bleeding. Design: double blind clinical trial. Seventy patients are divided randomly to 2 group(35 patients in each group). Intervention: in ranitidine gruop, amp ranitidine will prescribe 1 mg\kg twice daily for one week; and in pantoprazole group, amp pantoprazole will prescribe 1 mg\kg twice daily for one week. We will check Mg level daily for one week and check Na ,K daily and Ca and PH twice in one week.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016120330347N1**
Registration date: **2016-12-03, 1395/09/13**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-12-03, 1395/09/13

Registrant information

Name
Elahe Mansouri
Name of organization / entity
Isfehsn university of Medical sciences
Country
Iran (Islamic Republic of)
Phone
+98 31 3450 1914
Email address
kosar.mansouri@gmail.com

Recruitment status

Recruitment complete

Funding source

Isfahn University of Medical Sciences

Expected recruitment start date

2016-08-17, 1395/05/27

Expected recruitment end date

2016-10-22, 1395/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of Ranitidin and Pantoprazole on PICU patients in Imam hossein hospital

Public title

Comparing the effect of Ranitidin and Pantoprazole on Mg level

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion: age from 2 months to 15 years old children admited in PICU; consent to participate in the study. Exclusion criteria: discharging before the end of the study; any condition that need to change the dose of Ranitidin or Pantoprazole for patients e.g GI bleeding.

Age

From **2 months** old to **15 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size
Target sample size: **70**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Isfahn University of Medical Sciences

Street address
Isfahn University of Medical Sciences, Hezar jarib St, Isfahan

City
Isfahan

Postal code

Approval date
2016-08-22, 1395/06/01

Ethics committee reference number
IR.MUI.REC.1395.3.510

Health conditions studied

1

Description of health condition studied
Magnesium deficiency

ICD-10 code
E61.2

ICD-10 code description

Primary outcomes

1

Description
Magnesium level

Timepoint
Daily since 7 days

Method of measurement
Labratory kit

Secondary outcomes

empty

Intervention groups

1

Description
Ranitidin, IV, 1 mg/ kg, BID, till end of the study

Category
Treatment - Drugs

2

Description
Pantoprazol, IV, BID,1 mg / kg, till end of the study

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Imam Hossein Pediatric Center,pediatric intensive care unit

Full name of responsible person
Mohammadreza Habibzade

Street address
Isfahan, Imam khomeini street

City
Isfehan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Isfahn University of Medical Sciences

Full name of responsible person
Mehdi neamatbakhsh

Street address
Isfahn University of Medical Sciences, Hezar jarib St, Isfahan

City
Isfahan

Grant name

Grant code / Reference number

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

Title of funding source
Isfahn 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
Isfahn University of Medical Sciences
Full name of responsible person
Elahe Mansouri
Position
Medical student
Other areas of specialty/work
Street address
Isfahn University of Medical Sciences,Hezargarib street, Isfehan
City
Isfehan
Postal code
Phone
+98 31 3450 1914
Fax
Email
Kosar.mansouri@gmail.com
Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity
Isfahn University of Medical Sciences
Full name of responsible person
Dr. Mohammad Reza Habibzade
Position
Department of Anesthesiology
Other areas of specialty/work
Street address
Isfahn University of Medical Sciences, Imam khomeini street, Imam hossein hospital
City
Isfehan
Postal code
Phone
+98 31 3450 1914
Fax
Email
habibzadeh@med.mui.ac.ir
Web page address

Person responsible for updating data

Contact

Name of organization / entity
Isfahn University of Medical Sciences
Full name of responsible person
Elahe Mansouri
Position
Medical stusent
Other areas of specialty/work
Street address
Isfahn University of Medical Sciences, Hezargarib street, Isfrhan
City
Isfahn
Postal code
Phone
+98 31 3450 1914
Fax
Email
kosar.mansouri@gmailL.com
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