

Clinical Trial Protocol

Iranian Registry of Clinical Trials

28 May 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 group, 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

Isfahnsn 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 admitted 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

Isfahan

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,

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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

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Full name of responsible person

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Position

Medical student

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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