Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Comparing the effect of Ranitidin and Pantoprazole on ventilator associated pneumonia (VAP) in trauma patients admitted in ICU of Be'sat hospital

Protocol summary

Summary

Objective: Comparing the effect of Ranitidin and Pantoprazole on ventilator associated pneumonia (VAP) in trauma patients admitted in ICU. Design: Double blind clinical trial Population: Patients entered the study during one year from traumatic patients (multiple trauma and head trauma) who were admitted in ICU . Inclusion criteria: patients who required mechanical ventilation>48h and were admitted to the ICU, aged more than 18 years old, with APACHE SCORE II less than 25. Exclusion criteria: history of GI bleeding, liver or kidney insufficiency, APACHESCOREII>25، History of corticosteroids or NSAIDs usage, Under mechanical ventilation less than 48 hours. Intervention: In control group,(ranitidine gruop),Amp ranitidine will prescribe 50mg twice daily; and in intervention group(pantoprazole);Amp pantoprazole will prescribe 40mg once daily. Patients will be evaluated in terms of getting vap. Vap diagnosis based on clinical signs and forms will be available. Intervention is performed immediately after admission. Primary outcome is ventilator associated pneumonia .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201109234578N3**
Registration date: **2011-10-07, 1390/07/15**
Registration timing: **prospective**

Last update:
Update count: **0**

Registration date

2011-10-07, 1390/07/15

Registrant information

Name

Farshid Rahimibashar

Name of organization / entity

Hamedan University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Hamedan University of Medical Sciences-vice chancellor for research

Expected recruitment start date

2011-10-23, 1390/08/01

Expected recruitment end date

2012-10-21, 1391/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing the effect of Ranitidin and Pantoprazole on ventilator associated pneumonia (VAP) in trauma patients admitted in ICU of Be'sat hospital

Public title

Ranitidine and pantoprazole in prevention of ventilator associated pneumonia

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion: Trauma patients undergoing mechanical

ventilation for more than 48 hours, Age>18y، Admitted in ICU، APACHESCOREII<25، At admission dont have GI bleeding exclusion: A history of GI bleeding, renal and hepatic failure,APACHESCOREII>25، History of corticosteroids or NSAIDs usage,Under mechanical ventilation less than 48 hours, Age<18y.

Age
From **18 years** old to **90 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size:

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
Hamedan University Of Medical Sciences

Street address
Mahdiye Street, Hamedan University Of Medical Sciences

City
Hamedan

Postal code

Approval date
2011-07-27, 1390/05/05

Ethics committee reference number
16/35/9/1649/د/پ

Health conditions studied

1

Description of health condition studied
pneumonia

ICD-10 code
J13

ICD-10 code description
Pneumonia due to Streptococcus pneumoniae

2

Description of health condition studied
pneumonia

ICD-10 code
J14

ICD-10 code description
Pneumonia due to Haemophilus influenzae

3

Description of health condition studied
pneumonia

ICD-10 code
J15

ICD-10 code description
Bacterial pneumonia, not elsewhere classified

Primary outcomes

1

Description
ventilator associated pneumonia

Timepoint
daily

Method of measurement
1- radiographic criteria(The presence of a new or progressive radiographic infiltrate or cavitation).2-clinical characteristics such as :fever , leukocytosis or leukopenia, and purulent secretions thar require Suction.3-Laboratory criteria:Positive throat &blood culture

Secondary outcomes

empty

Intervention groups

1

Description
In intervention group Pantoprazol 40 mg once a day will infuse till to end of patient admission

Category
Prevention

2

Description
In control group Ranitidine 50 mg twice a day will infuse till to end of patient admission.

Category
Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Besat Hospital

Full name of responsible person

Dr Farshid Rahimi Bashar

Street address

BESAT Hospital, General ICU, Motahhari Avenue_Resalat square-Hamedan

City

Hamedan

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Hamedan University of Medical Sciences-vice chancellor for research

Full name of responsible person

Ali GHaleiha

Street address

Mahdiye Street, Hamedan University Of Medical Sciences

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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

Hamedan University of Medical Sciences-vice chancellor for research

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

Person responsible for scientific inquiries

Contact

Name of organization / entity

Hamedan University of Medical Sciences

Full name of responsible person

Farshid Rahimi Bashar

Position

Assistant Professor/Intensive care fellowship

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