

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparing success rate of three antibiotic regimes based on furazolidone, clarithromycine and levofloxacin in patients with Helicobacter pylori

Protocol summary

Summary

Objectives: The purpose of this study is to compare success rate of H.pylori eradication between 3 antibiotic regimes. Major inclusion criteria and exclusion criteria: Patients with dyspepsia and Peptic ulcer disease were included. Patients with history of taking antibiotic in last 3 weeks, gastrointestinal bleeding, gastric cancer and taking PPI or H2 receptor antagonists in the last two week were excluded. Design: This study will be conducted on 90 patients who referred to Gastroenterology Clinic in Qazvin province. Setting and conduct: Following the confirmation of H.pylori with Rapid urease test and randomization (balanced block randomization) they will be divided to 3 groups which each group will receive one of the following three regimens for a two-week period: Intervention: First group: Tab Pantoprazole 40 mg bd /Cap Amoxicillin 1000 mg bd / Tab Clarithromycin 500 mg bd. Second group: Pantoprazole 40 mg bd/Cap Amoxicillin 1000 mg bd/Tab Levofloxacin 500 mg daily. Third group: Tab Pantoprazole 40 mg bd/Cap Amoxicillin 1000 mg bd /Tab Furazolidone 100 mg bd. Main outcome variables: Three weeks after the termination of treatment, H. pylori stool antigen test will be checked for all patients to confirm eradication of H. pylori.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016040318124N4**
Registration date: **2017-10-07, 1396/07/15**
Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2017-10-07, 1396/07/15

Registrant information

Name

Ali Akbar Hajiaghamohammadi

Name of organization / entity

Metabolic Diseases Research Center, Qazvin
University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 28 3336 0084

Email address

ahmohammadi@qums.ac.ir

Recruitment status

Recruitment complete

Funding source

Investigator

Expected recruitment start date

2017-07-23, 1396/05/01

Expected recruitment end date

2017-10-23, 1396/08/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparing success rate of three antibiotic regimes based on furazolidone, clarithromycine and levofloxacin in patients with Helicobacter pylori

Public title

Comparing success rate of three antibiotic regimes based on furazolidone, clarithromycine and levofloxacin in patients with gastric infection

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: Patients aged 15 to 80 years; patients with dyspepsia and Peptic ulcer disease; Patients undergoing upper endoscopic procedure with positive rapid urease test (RUT). Exclusion criteria: gastrointestinal bleeding; Patients with history of taking antibiotic in last 3 weeks; taking PPI or H2 receptor antagonists in the last two week; gastric cancer; suffering from any disease needing to consume another antibiotic

Age

From **15 years** old to **80 years** old

Gender

Both

Phase

2-3

Groups that have been masked

No information

Sample size

Target sample size: **90**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

balanced block randomization

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of the Qazvin University of Medical Sciences

Street address

Qazvin, Shahid Bahonar Blvd

City

Qazvin

Postal code

Approval date

2017-04-08, 1396/01/19

Ethics committee reference number

IR.QUMS.REC.1396.62

Health conditions studied

1

Description of health condition studied

Helicobacter pylori

ICD-10 code

B98

ICD-10 code description

Helicobacter pylori [H.pylori] as the cause of diseases classified to other chapters

Primary outcomes

1

Description

Helicobacter pylori eradication

Timepoint

2 week after treatment

Method of measurement

Stool antigen test

Secondary outcomes

1

Description

Drug reaction

Timepoint

During treatment

Method of measurement

Questioner

Intervention groups

1

Description

First group: Tab Pantoprazole 40 mg bd /Cap Amoxicillin 1000 mg bd / Tab Clarithromycin 500 mg bd.

Category

Treatment - Drugs

2

Description

Second group: Pantoprazole 40 mg bd/Cap Amoxicillin 1000 mg bd/Tab Levofloxacin 500 mg daily

Category

Treatment - Drugs

3

Description

Third group: Tab Pantoprazole 40 mg bd/Cap Amoxicillin 1000 mg bd /Tab Furazolidone 100 mg bd

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Velayat educational and treatment center

Full name of responsible person

Dr. Aliakbar Hajiaghamohammadi

Street address

City

Qazvin

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Investigator

Full name of responsible person

-

Street address

-

City

Qazvin

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Investigator

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

Qazvin University of Medical Sciences

Full name of responsible person

Nazanin Gholinia

Position

Medical student

Other areas of specialty/work

Street address

Velayat Hospital, Minoodar area, 22 Bahaman Blvd,
Taavon Sq, Qazvin

City

Qazvin

Postal code

Phone

+98 28 3376 0620

Fax

Email

nazaningholinia@yahoo.com

Web page address

Person responsible for scientific inquiries

Contact

Name of organization / entity

Qazvin University Of Medical Sciences

Full name of responsible person

Dr. Aliakbar Hajiaghamohammadi

Position

Associate Professor of Gastroenterology

Other areas of specialty/work

Street address

Qazvin, Shahid Bahonar Blvd

City

Qazvin

Postal code

Phone

+98 28 3333 6001

Fax

Email

ahmohammadi@qums.ac.ir

Web page address

Person responsible for updating data

Contact

Name of organization / entity

Qazvin University of Medical Sciences

Full name of responsible person

Nazanin Gholinia

Position

Other areas of specialty/work

Street address

City

Qazvin

Postal code

Phone

+98 28 3376 0620

Fax

Email

nazaningholinia@yahoo.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