

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

The comparison between effects and side effects of seven days or ten days quadruple therapy regimens (Bismuth sub citrate, Levofloxacin, Amoxicillin and Pantazole) in eradication of H.pylori infection.

Protocol summary

Summary

This study is a clinical trial which aims to compare the efficacy and adverse effects of seven and ten-day quadruple regimen in the treatment of patients with H. pylori referred to the gastroenterology and liver Clinic in Rasht. H. Pylori infection is confirmed according to carbon-13 or 14-UBT, pathology or stool antigen. Demographic data, smoking and commodities recorded for all patients. Then patients are randomly divided into two groups. The first group is treated with four drugs (bismuth sub citrate, levofloxacin, amoxicillin, pantozol) for seven days. The second group received the same formula for a period of ten days. Complications are recorded for both groups 2 weeks after treatment. Eight weeks after the treatment, Urea Breath Test (with carbon 14) is done for patients to determine resistance or eradication of infection.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201406141155N19**

Registration date: **2015-07-10, 1394/04/19**

Registration timing: **prospective**

Last update:

Update count: **0**

Registration date

2015-07-10, 1394/04/19

Registrant information

Name

Farahnaz Joukar

Name of organization / entity

Guilan University of Medical Sciences,
Gastrointestinal and liver disease Research Center

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Recruitment status

Recruitment complete

Funding source

Gastrointestinal and Liver Diseases Research Center,
Guilan University of Medical Sciences

Expected recruitment start date

2015-07-15, 1394/04/24

Expected recruitment end date

2015-11-22, 1394/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The comparison between effects and side effects of seven days or ten days quadruple therapy regimens (Bismuth sub citrate, Levofloxacin, Amoxicillin and Pantazole) in eradication of H.pylori infection.

Public title

Compare seven and ten days quadruple regimen for H. pylori

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: H. pylori infection has been confirmed in accordance with Urea Breath Test with carbon-13 or 14 or pathology or stool antigen, The patient satisfaction
Exclusion criteria: Pregnant and lactating women,

Patients with esophageal cancer, Liver cirrhosis, Heart failure; kidney failure, History of seizures, Hematologic diseases; Allergy to drugs, Patients with an incomplete course of treatment; Severe complications; Discontent to treatment

Age

From **18 years** old to **80 years** old

Gender

Both

Phase

3

Groups that have been masked

No information

Sample size

Target sample size: **220**

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

Ethics Committee Guilan University of Medical Sciences .

Street address

Namjoo Ave

City

Rasht

Postal code

Approval date

2014-07-14, 1393/04/23

Ethics committee reference number

1930175713

Health conditions studied

1

Description of health condition studied

Helicobacter pylori infection

ICD-10 code

B98.0

ICD-10 code description

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

Primary outcomes

1

Description

Eradication of infection

Timepoint

Eight weeks after completion of treatment

Method of measurement

Urea breath test (Carbon 14)

Secondary outcomes

1

Description

Complications

Timepoint

Two weeks after completion of treatment

Method of measurement

According to the case history

Intervention groups

1

Description

Administration of quadruple therapy for seven days as follows: Bismuth sub citrate (Chemidarou company) 240 mg BID, Levofloxacin (Abidi company) 500 mg daily, Amoxicillin (Chemidarou company) 1 g BID, Pantozol (Nokomed company) 20 mg BID

Category

Treatment - Drugs

2

Description

Administration of quadruple therapy for ten days as follows: Bismuth sub citrate (Chemidarou company) 240 mg BID, Levofloxacin (Abidi company) 500 mg daily, Amoxicillin (Chemidarou company) 1 g BID, Pantozol (Nokomed company) 20 mg BID

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Gastrointestinal and Liver Diseases Research Center, Guilan

Full name of responsible person

Dr. Mansour Ghanaei Fariborz

Street address

Gastrointestinal and Liver Diseases Research Center, Razi hospital, Sardar jangle Ave

City

Rasht

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vince Chancellor for Research Guilan University of Medical Sciences .

Full name of responsible person

Dr. Tabari Khomeirani Rasool

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Sadati St, Namjoo Ave

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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

Vince Chancellor for Research Guilan 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

Guilan Gastrointestinal and Liver Diseases Research Center

Full name of responsible person

Joukar Farahnaz

Position

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Person responsible for updating data

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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