

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Anti oxidant properties of Q10 co enzyme and their effects on oxidative stress and lipid per oxidation among patients infected by h. pylori

Protocol summary

Summary

This study aimed to evaluate the antioxidant effects of Q10 co-enzyme on oxidative stress and lipid per-oxidation among gastric patients caused by h. pylori infection. By a randomized control trail 100 gastric patients with confirmed h. pylori infection are entered into the study and are divided into intervention and control groups. Including criteria are having gastritis infected by h.pylori and excluding criteria are pregnancy, vascular diseases and diabetes. Total sample size is 100 patients and placebo group (50 patients) receive three drugs regimen+ placebo and treatment group (50 patients) receive three drugs regimen+ Q10 co enzyme both for 6 weeks. Three drugs regimen used in this study included bismuth sub citrate (120mg/kg QD), tetracycline (500mg QD) and metronidazole (400 mg/kg TD). The study was double blind for both patients and data collectors. The primary outcome measurments are the serum levels of glutation peroxidase, malondialdehyde and total antioxidant capacity at the start and end of study.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014070118310N1**

Registration date: **2014-09-10, 1393/06/19**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-09-10, 1393/06/19

Registrant information

Name

Ghobad Abangah

Name of organization / entity

Ilam University of Medical Sciences

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Recruitment status

Recruitment complete

Funding source

Vice Chancellor of Researches and Technical information, Banganjab, Ilam University of Medical Sciences, Ilam, Iran

Expected recruitment start date

2014-06-22, 1393/04/01

Expected recruitment end date

2014-07-21, 1393/04/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Anti oxidant properties of Q10 co enzyme and their effects on oxidative stress and lipid per oxidation among patients infected by h. pylori

Public title

The antioxidant effects of Q10 co enzyme on oxidative stress and lipid per oxidation among gastric patients infected by h.pylori

Purpose

Treatment

Inclusion/Exclusion criteria

Including criteria: h. pylori infected gastric patients

Excluding criteria: pregnancy; lactation; recent antibiotic application (6 recent weeks); recent attempt for h. pylori

treatment; recent surgery of stomach; positive history of alcohol consumption or addiction; having infections or malignancies in other organs; cardiovascular diseases; diabetes; IBD .

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **100**

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Double blinded

Blinding description**Placebo**

Used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Ilam University of Medical Sciences

Street address

Ethics committee, Banganjab, Deputy of Researches and Technical Information, Ilam University of Medical Sciences

City

Ilam

Postal code**Approval date**

2014-05-31, 1393/03/10

Ethics committee reference number

EC/92/H/213

Health conditions studied**1****Description of health condition studied**

Gastritis

ICD-10 code

k 29.5

ICD-10 code description

Chronic gastritis, unspecified

Primary outcomes**1****Description**

Total antioxidant capacity (TAC)

Timepoint

Start and end of study

Method of measurement

Serum level of studied marker by standard kits

2**Description**

Glutation peroxidise

Timepoint

Start and end of study

Method of measurement

Serum level of studied marker by standard kits

3**Description**

Malondialdehyde

Timepoint

Start and end of study

Method of measurement

Serum level of studied marker by standard kits

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: Using three drugs regimen (bismuth sub citrate (120mg/kg QD), tetracycline (500mg QD) and metronidazole (400 mg/kg TD)) + Q10 coenzyme (2 mg/kg/day) for 6 weeks. The types and dosages of drugs are not changed during treatment period.

Category

Treatment - Drugs

2**Description**

Control group: Using three drugs regimen (bismuth sub citrate (120mg/kg QD), tetracycline (500mg QD) and metronidazole (400 mg/kg TD)) + placebo (lactolose) for 6 weeks. The types and dosages of drugs are not changed during treatment period.

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center**

Name of recruitment center
Gastrointestinal clinic
Full name of responsible person
Dr Abangah Ghobad
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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
Vice Chancellor for researches and Technology, Ilam
University of Medical Sciences
Full name of responsible person
Dr Morovat Taherikalani
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Vice Chancellor for researches and Technology,
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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

Vice Chancellor for researches and Technology, Ilam
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
Ilam University of Medical Sciences
Full name of responsible person
Dr Asadollahi Ruhangiz
Position
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Person responsible for scientific inquiries

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Ilam University of Medical Sciences
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Person responsible for updating data

Contact

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