Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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

Country

Iran (Islamic Republic of)

Phone

+98 84 1334 3456

Email address

abangah-gh@medilam.ac.ir

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
Gasterointestinal clinic
Full name of responsible person
Dr Abangah Ghobad
Street address
Gasterointestinal clinic, 22 Bahman Square,
City
Ilam

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice Chancellor for researchesand Technology, Ilam University of Medical Sciences
Full name of responsible person
Dr Morovat Taherikalani
Street address
Vice Chancellor for researches and Technology, Banganjab, Ilam University of Medical Sciences
City
Ilam
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice Chancellor for researchesand 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
Pathologist
Other areas of specialty/work
Street address
Dept. Pathology, Banganjab, Faculty of Medicine, Ilam University of Medical Sciences,
City
Ilam
Postal code
Phone
+98 22 27126
Fax
Email
roohiasadollahi@yahoo.com
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
Ilam University of Medical Sciences
Full name of responsible person
Dr Asadollahi Khairollah
Position
Associate prof., Epidemiologist
Other areas of specialty/work
Street address
Dept. Epidemiology, Banganjab, Faculty of Medicine, Ilam University of Medical Scences
City
Ilam
Postal code
Phone
+98 22 27120
Fax
Email
Masoud_1241@yahoo.co.uk
Web page address

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