Clinical Trial Protocol
Iranian Registry of Clinical Trials

29 May 2026

Evalution of Curcumin on level of oxidative stress factors and gastric histoplathology in patients with chronic gastrits related to helicobacter pylori

Protocol summary

Summary

This study investigated the effects of curcumin on the level of oxidative factors and gastric histopathology in patients with chronic gastritis associated with Helicobacter pylori. Inclusion criteria: Age between 18 to 65 years , confirm of chronic gastritis according to histopathologic assay, presence of abdominal symptoms related to chronic gastritis. Exclusion criteria: recent use of antibiotics in the last 6 months, pregnancy, lactation, recent surgical procedures, alcohol, systemic diseases like coronary artery disease, diabetes, collagen vascular and central nervous system , age <18 years and above 70 years.Patients were divided into two groups of triple therapy regimen and triple therapy regimen+ curcumin. Triple therapy was used in this study as bismuth subcitrate 120 mg / kg four times a day, tetracycline 500 mg / kg four times a day and metronidazole 400 mg / kg three times daily. curcumin was administered by 30 mg two time daily . During the study period was 2 months.All patients were evaluated wtih endoscopy before and after the intervention. for all patients Histological analysis was performed. gastric mucosal levels of also examined for factors related with oxidative stress, DNA damage and the prostaglandin E2.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016012826238N1**
Registration date: **2016-03-10, 1394/12/20**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-03-10, 1394/12/20

Registrant information

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Recruitment status

Recruitment complete

Funding source

Ilam University of Medical Science, School of Medicine.

Expected recruitment start date

2016-02-09, 1394/11/20

Expected recruitment end date

2016-02-20, 1394/12/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evalution of Curcumin on level of oxidative stress factors and gastric histoplathology in patients with chronic gastrits related to helicobacter pylori

Public title

Effect of Curcumin on chronic gastritis related to helicobacter pylori

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: Age between 18 to 65 years؛ confirm of

chronic gastritis according to histopathologic assay؛ presence of abdominal symptoms related to chronic gastritis. Exclusion criteria: recent use of antibiotics in the last 6 months؛ pregnancy؛ lactation؛ recent surgical procedures؛ alcohol؛ systemic diseases like coronary artery disease؛ diabetes؛ collagen vascular and central nervous system؛ age <18 years and above 70 years.

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)
N/A
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
Ilam University of Medical Sciences
Street address
Ilam University of Medical Sciences
City
Ilam
Postal code
Approval date
2015-12-22, 1394/10/01
Ethics committee reference number
ir.medilam.ac.rec.1394.184

Health conditions studied

1

Description of health condition studied
Chronic Gastritis
ICD-10 code
K29.5
ICD-10 code description
Chronic gastritis, unspecified

Primary outcomes

1

Description
Malondialdehyde
Timepoint
Initial and after 8 weeks
Method of measurement
Randox Kit

2

Description
Total Antioxidant Capacity
Timepoint
Initial and after 8 weeks
Method of measurement
Randox Kit

3

Description
Glutathione peroxidase
Timepoint
Initial and after 8 weeks
Method of measurement
Randox Kit

4

Description
prostaglandin E2
Timepoint
Initial and after 8 weeks
Method of measurement
RAI

5

Description
Chronic Gastritis
Timepoint
Initial and after 8 weeks
Method of measurement
Histology

6

Description
Endoscopic Inflammation Score
Timepoint
Initial and after 8 weeks
Method of measurement
Endoscopy

7

Description
DNA Oxidative Damage
Timepoint
Initial and after 8 weeks
Method of measurement

DNA Oxidative Damage Kit

Secondary outcomes

empty

Intervention groups

1

Description
Control group: triple therapy bismuth subcitrate 120 mg / kg four times a day, tetracycline 500 mg / kg four times a day and metronidazole 400 mg / kg three times daily.
Category
Treatment - Drugs

2

Description
triple therpy +Curcumin with 30 mg/twice in day for 8 weeks
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Khomeini Gastroenterology Clinic
Full name of responsible person
Arezu Judaki
Street address
City
Ilam

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ilam University of Medical Sciences
Full name of responsible person
Dr Kourosh Sayhemiri
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Ilam University of Medical Sciences, Boulevard Research, Ban Ganjab, Ilam,Iran.
City
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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
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

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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