Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

Evaluation of the effect of polyunsaturated fatty acids on the level of genes and Proteins of MMP1 , MMP9 , PDCD4 in gastric mucosal tissue in patients with gastric adenocarsinoma under chemotherapy

Protocol summary

Summary

This study aimed to Evaluate the effect of oral administration polyunsaturated fatty acids on oxidative stress in patients with 9gastric cancer will be done, the main goal of this study decrease of drug resistance in this patients. The patients of the Endoscopy Clinic of Tabriz University of Medical Sciences with a presumptive diagnosis of gastric tumor will sample 3 biopsy of the gastric tumor was removed and immediately transferred to liquid nitrogen tank will be . 34 patients in the two group of 17 people with written consent and with full knowledge of the research topic. In two groups, the first group of selective chemotherapy with no chemotherapy group Bamkml supplements and omega-3 fatty acids , Omega 6 and Omega-9 3000 mg daily dose for 3 months will start . After 3 months again from the biopsy samples taken from the patient immediately transferred to the nitrogen tank to be tested will be transferred to the relevant department . Experiment is performed on biopsy specimens.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016121216922N2**
Registration date: **2017-01-24, 1395/11/05**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2017-01-24, 1395/11/05

Registrant information

Name

Homayun Dolatkhah

Name of organization / entity

Dept. of Clinical Biochemistry, School of Pharmacy and Pharmaceutical Sciences, Isfahan University

Country

Iran (Islamic Republic of)

Phone

+98 31 1775 3824

Email address

dolatkhahh@gmail.com

Recruitment status

Recruitment complete

Funding source

Tabriz liver and Gastrointestinal Disease research center

Expected recruitment start date

2015-07-15, 1394/04/24

Expected recruitment end date

2016-07-28, 1395/05/07

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of the effect of polyunsaturated fatty acids on the level of genes and Proteins of MMP1 , MMP9 , PDCD4 in gastric mucosal tissue in patients with gastric adenocarsinoma under chemotherapy

Public title

Effect of Omega Fatty Acids on treatment of Gastric Cancer

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: patients with gastric adenocarcinoma who that the chemotherapy will be. Exclusion criteria:

People who are not taking medication due to cardiac obstruction; Pyloric obstruction due to people who are not able to take medicine; Diabetic patients; Patients with renal failure; Three months before entering the study, patients who are taking omega supplements.

Age
No age limit

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **34**

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
tabriz university of medical science

Street address
faculty of medicine ,tabriz university of medical science,golgasht ave,tabriz,I.R.IRAN

City
Tabriz

Postal code

Approval date
2016-08-08, 1395/05/18

Ethics committee reference number
IR.TBZMED.REC.1395.677

Health conditions studied

1

Description of health condition studied
Gastric Adenocarsinoma

ICD-10 code
c16.2

ICD-10 code description
Malignant neoplasm of body of stomach

Primary outcomes

1

Description
drug resistance

Timepoint
before and after

Method of measurement
jen expression and level of protein

Secondary outcomes

1

Description
oxidative stress

Timepoint
before and after

Method of measurement
jen expression and level of protein

Intervention groups

1

Description
The second group oxaliplatin drug with pills Natural Factors Ultimate-Omega Factors 1200 mg of omega-3 fatty acid, omega-6 and Omega-9 to the formula: Fish Oil Blend 400 mg, Flexseed Oil 400 mg, Borage Oil 400 mg, daily the amount of 3600 mg for 3 courses including a three-week period, the treated. After this time the biopsy was done and the tumor treatment will follow.

Category
Treatment - Drugs

2

Description
In two groups to,The first group of patients was treated with oxaloplatin without prescription of omega fatty acids for three course, and each course includes three weeks .

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Emam reza Hospital

Full name of responsible person
mehran khojastefard

Street address
Emam reza Hospital,golgasht Ave,tabriz

City
Tabriz

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Tabriz liver and Gastrointestinal Disease research Center
Full name of responsible person
Prof. Dr. Mohammad-Hosein Somi
Street address
Emam Reza Hospital, Daneshgah Str.
City
Tabriz
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tabriz liver and Gastrointestinal Disease research Center
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
Faculty of Medicin, Tabriz University
Full name of responsible person
Mehran Khojastefard
Position
Msc ,Clinical Biochemistry
Other areas of specialty/work
Street address
Faculty of Medicin, Tabriz University of Medical Science, Golgasht Ave, Tabriz, I.R.IRAN
City
Tabriz
Postal code
Phone
+98 413364672
Fax
+98 33 64659
Email
khojastefard63@gmail.com
Web page address
http//www.tbzmed.ac.ir/faculties/medicine/main.htm

Person responsible for scientific inquiries

Contact
Name of organization / entity
Faculty of Medicin, Tabriz University of Uedical Science
Full name of responsible person
Dr.Homayun Dolatkhah
Position
Assistant.Prof
Other areas of specialty/work
Street address
Faculty of Medicin, Tabriz University of Medical Science, Golgasht Ave, Tabriz, I.R.IRAN
City
Tabriz
Postal code
Phone
+98 413364672
Fax
+98 33 64659
Email
dolatkhahh@gmail.com
Web page address
http;//www.tbzmed.ac.ir/faculties/medicine/main.htm

Person responsible for updating data

Contact
Name of organization / entity
Faculty of Medicin, Tabriz University of Medical Science
Full name of responsible person
Mehran Khojastefard
Position
Msc Clinical Biochemistry
Other areas of specialty/work
Street address
Faculty of Medicin, Tabriz University of Medical Science, Golgasht Ave, Tabriz, I.R.IRAN
City
Tabriz
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Fax
+98 33 64659
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khojastefard63@gmail.com
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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