

Clinical Trial Protocol

Iranian Registry of Clinical Trials

04 Aug 2026

The effects of probiotics administration on acute side effects of chemotherapy regimens in gastroesophageal cancer patients

Protocol summary

Study aim

The effects of probiotics administration on acute side effects of chemotherapy regimens in gastroesophageal cancer patients

Design

A randomized, parallel, with a control group, double-blinded, phase 3 of 42 patients. Rand software in Excel was used for randomization.

Settings and conduct

In the oncology ward of Rajaie hospital with a standard questionnaire, based CTCAE , double-blinded(patient and researcher)

Participants/Inclusion and exclusion criteria

Patients with gastroesophageal cancer stage 3,4 who had chemotherapy(dcf,folfox)-induced side effects and were older than 18 with first-grade tumor. Patients with severe systematic disease (such as heart, kidney, and liver) or previously had chemotherapy or were given antibiotics and probiotics were excluded.

Intervention groups

Patients with stage 3,4 esophageal cancer who receive dcf folfox will get probiotics till the end of their chemotherapy period and will be reviewed in comparison to the control group with a standard questionnaire.

Main outcome variables

Age, Sex, Cancer, Probiotic

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20211024052857N1**

Registration date: **2021-11-08, 1400/08/17**

Registration timing: **prospective**

Last update: **2021-11-08, 1400/08/17**

Update count: **0**

Registration date

2021-11-08, 1400/08/17

Registrant information

Name

Alireza Tojjari

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 2257 1179

Email address

alirezatojjari@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2021-11-26, 1400/09/05

Expected recruitment end date

2021-12-26, 1400/10/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effects of probiotics administration on acute side effects of chemotherapy regimens in gastroesophageal cancer patients

Public title

The effects of probiotics administration on acute side effects of chemotherapy regimens in gastroesophageal cancer patients

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:

Patients with gastroesophageal cancer stage 3,4 who had chemotherapy(dcf,folfox)-induced side effects and were older than 18 with first-grade tumor.

Exclusion criteria:
Patients with severe systematic disease (such as heart, kidney, and liver) or previously had chemotherapy or were given antibiotics and probiotics.

Age
From **18 years** old

Gender
Both

Phase
3

Groups that have been masked

- Participant
- Investigator

Sample size
Target sample size: **42**

Randomization (investigator's opinion)
Randomized

Randomization description
Participants were randomly assigned to receive either probiotic (n = 21) or nothing (control = 21) based on randomized block randomization and stratified randomization. Closed pockets were used to hide the randomization process, which was opened at the time of the patient's visit to minimize the gap between randomization and drug or control.

Blinding (investigator's opinion)
Double blinded

Blinding description
Randomization and allocation will be concealed from the researchers and participants until the final analyses will be completed. Another person who is not involved in the trial and not aware of random sequences, will be assigned the participants to the numbered pockets of capsules.

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee

Name of ethics committee
Ethics committee of Alborz University of Medical Sciences

Street address
West Boali st, Nabovat square, Karaj city

City
Karaj

Province

Alborz
Postal code
3149969415
Approval date
2021-02-16, 1399/11/28
Ethics committee reference number
IR.ABZUMS.REC.1399.287

Health conditions studied

1

Description of health condition studied

Gastroesophageal cancers

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Evaluation of side effects of chemotherapy in patients with gastroesophageal cancers

Timepoint

Duration of chemotherapy

Method of measurement

Standard questionnaire based CTCAE

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Patients will be given probiotics ("DailyEast", Zist Takhmir) once a daily during their chemotherapy.

Category

Prevention

2

Description

Control group: Patients will be given their standard drugs during chemotherapy.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Rajaie Hospital

Full name of responsible person

Mojan Asadi

Street address

West Booali st, nabovat square, Karaj city

City

Karaj

Province

Alborz

Postal code

3149969415

Phone

+98 26 3428 7369

Email

alirezatojjari@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Karaj University of Medical Sciences

Full name of responsible person

Marzie Tavakol

Street address

West Booali st, Nabovat square, Karaj city

City

Karaj

Province

Alborz

Postal code

3149969415

Phone

+98 26 3428 7339

Email

alirezatojjari@gmail.com

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Karaj University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Karaj University of Medical Sciences

Full name of responsible person

Alireza Tojjari

Position

Student

Latest degree

A Level or less

Other areas of specialty/work

Hematology

Street address

Unit 12, No 11, Hashemyian St, Neyestan 3rd St, Pasdaran St

City

Tehran

Province

Tehran

Postal code

1946915191

Phone

+98 21 2257 1179

Fax

Email

alirezatojjari@gmail.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Karaj University of Medical Sciences

Full name of responsible person

Alireza Tojjari

Position

Student

Latest degree

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Not applicable

Data Dictionary

Not applicable