Clinical Trial Protocol
Iranian Registry of Clinical Trials

09 Jun 2026

Evaluation of adding erythromycin and metoclopramide to the standard diet of colonoscopy in colonoscopy preparation

Protocol summary

Study aim
Effective method of intestinal preparation in patients undergoing colonoscopy referred to Shahid Beheshti Hospital in Qom

Design
A clinical trial study include control group and four intervention groups (70 participant in each group) is selected by the available sampling method. By analyzing the use of opaque envelopes sealed with random sequence (SNOSE) will be performed by the analyzer itself.

Settings and conduct
Peg powder at the time of consumption than from 10 am the day before colonoscopy at intervals of one hour so that the last glass at 1 o'clock in the morning of the colonoscopy (in 3 divided doses with an interval of 8 hours Peg), the second tablet at 5 pm the day before Patients will be given a colonoscopy and a third pill at 1 a.m. on the day of the colonoscopy. Colonoscopy will be performed between 9 am and 1 pm by a gastroenterologist (to standardize the examination method) using a colonoscope for 15 to 30 minutes with the administration of painkillers and sedatives and local anesthesia by an anesthesiologist.

Participants/Inclusion and exclusion criteria
Inclusion criteria: Patients aged 18 years and older; Outpatients. Exclusion criteria: inflammatory bowel disease; intestinal obstruction; perforation; lung, heart disease; severe nausea; Patients with loss of consciousness and swallowing disorders; Patients with ileostomy; Patients with a history of drug allergy

Intervention groups
High volume pack - 4 liters; High volume pack + 3 tablets of metoclopramide 10mg; High volume pack + 3 tablets of metoclopramide 400mg + erythromycin 3 tablets of 400 mg; High volume pack + 3 tablets of metoclopramide 10mg + erythromycin 3 tablets of 400 mg; Low volume pack + 3 tablets of metoclopramide 10mg + erythromycin 3 tablets of 400 mg

Main outcome variables
Determining colon preparation quality؛ cecum intubation mean time؛ polyp detection frequency

General information

Reason for update
Acronym
IRCT registration information
IRCT registration number: **IRCT20210719051943N1**
Registration date: **2022-01-22, 1400/11/02**
Registration timing: **prospective**

Last update: **2022-01-22, 1400/11/02**
Update count: **0**
Registration date
2022-01-22, 1400/11/02

Registrant information
Name
mehdi pezeshki modares
Name of organization / entity
Country
Iran (Islamic Republic of)
Phone
+98 25 3612 2000
Email address
mpezeshkim@muq.ac.ir

Recruitment status
Recruitment complete
Funding source

Expected recruitment start date
2022-02-20, 1400/12/01
Expected recruitment end date
2022-11-22, 1401/09/01
Actual recruitment start date
empty
Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Evaluation of adding erythromycin and metoclopramide to the standard diet of colonoscopy in colonoscopy preparation

Public title

adding erythromycin and metoclopramide to the diet of colonoscopy preparation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

Patients aged 18 years and older Outpatients

Exclusion criteria:

Intestinal inflammation Cardiopulmonary diseases severe nausea patients with decreased consciousness Patients with a history of drug allergy Intestinal perforation Intestinal obstruction

Age

From **18 years** old

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: **350**

Randomization (investigator's opinion)

Randomized

Randomization description

A stochastic sequence will be generated by the block analytics method using a limited block randomization method. Random allocation encryption will be performed by the analyzer itself using the method of using opaque sealed envelopes sealed with random sequence (SNOSE). Participants will attend the study over time and on a random. interventionism and control groups will be assigned based on accident (coin toss).

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of qom University of Medical Sciences

Street address

Beheshti Blv

City

Qom

Province

Ghoum

Postal code

3719964797

Approval date

2021-05-02, 1400/02/12

Ethics committee reference number

IR. MUQ .REC.1400.017

Health conditions studied

1

Description of health condition studied

Colonoscopic preparation

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Determining colon preparation quality

Timepoint

All colonoscopies will be performed in the period from 9 am to 1 pm by a gastroenterologist (to standardize the examination method). This may take between 15 and 30 minutes per person. clinical outcome assessed with colonoscopist during the procedure

Method of measurement

questionnaire

2

Description

cecum intubation mean time

Timepoint

All colonoscopies will be performed in the period from 9 am to 1 pm by a gastroenterologist (to standardize the examination method). This may take between 15 and 30 minutes per person. clinical outcome assessed with colonoscopist during the procedure

Method of measurement

questionnaire

3

Description

polyp detection frequency

Timepoint

All colonoscopies will be performed in the period from 9 am to 1 pm by a gastroenterologist (to standardize the examination method). This may take between 15 and 30 minutes per person. clinical outcome assessed with colonoscopist during the procedure

Method of measurement
questionnaire

Secondary outcomes

empty

Intervention groups

1

Description
Control group: High volume peg 4 liters
Category
Treatment - Drugs

2

Description
Intervention group1: Peg high volume + 3 tablets 10 mg metoclopramide
Category
Treatment - Drugs

3

Description
Intervention group 2: Peg high volume +3 mg tablets 400 erythromycin+ 3 tablets 10 mg metoclopramide
Category
Treatment - Drugs

4

Description
Intervention group3: Peg high volume +3 tablets 20 metoclopramide + 3 erythromycin 400 mg tablets
Category
Treatment - Drugs

5

Description
Intervention group 4: Peg low volume + 2 mg 20 metoclopramide tablets
Category
Treatment - Drugs

Recruitment centers

1

Recruitment center
Name of recruitment center
Beheshti Hospital
Full name of responsible person
Mahdi Pezeshki Modares
Street address
Blv Beheshti
City
Qom
Province
Ghoum
Postal code
3719964797
Phone
+98 25 3612 2526
Email
mpezeshkim@gmail.com

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Ghoum University of Medical Sciences
Full name of responsible person
Ehsan Sharifipour
Street address
Safashar
City
Qom
Province
Ghoum
Postal code
3719964797
Phone
+98 25 3285 4011
Email
Ehsansharifipour@gmail.com
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Ghoum 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
Ghoum University of Medical Sciences
Full name of responsible person
Mehdi Pezeshki modares
Position
Assisstant professor
Latest degree
Subspecialist
Other areas of specialty/work
Internal Medicine
Street address
Beheshti BLV

City
Qom
Province
Ghoum
Postal code
3719964797
Phone
+98 25 3612 2000
Fax
Email
mpezeshkim@muq.ac.ir

Person responsible for scientific inquiries

Contact
Name of organization / entity
Ghoum University of Medical Sciences
Full name of responsible person
Mehdi Pezeshki modares
Position
Assisstant professor
Latest degree
Subspecialist
Other areas of specialty/work
Internal Medicine
Street address
Beheshti BLV
City
Qom
Province
Ghoum
Postal code
3719964797
Phone
+98 25 3612 2000
Fax
Email
mpezeshkim@muq.ac.ir

Person responsible for updating data

Contact
Name of organization / entity
Ghoum University of Medical Sciences
Full name of responsible person
Mahdi Pezeshki Modares
Position
Assistant professor
Latest degree
Subspecialist
Other areas of specialty/work
Internal Medicine
Street address
Blv. Beheshti
City
Qom
Province
Ghoum
Postal code
3719964797
Phone
+98 25 3612 2526
Email
mpezeshkim@gmail.com

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
Yes - There is a plan to make this available
Clinical Study Report
Not applicable
Analytic Code
Not applicable
Data Dictionary
Not applicable
Title and more details about the data/document
All potential data can be shared after people have not been identified
When the data will become available and for how long
Start the access period 6 months after printing the results
To whom data/document is available
It will be available for researchers working in academic and scientific institutions
Under which criteria data/document could be used
According to the rules of the COPE
From where data/document is obtainable
mpezeshkim@gmail.com
What processes are involved for a request to access data/document
mpezeshkim@gmail.com
Comments