Clinical Trial Protocol
Iranian Registry of Clinical Trials

22 Nov 2026

Effect of the Routine Bowel Preparation versus Oral Sodium Phosphate Use on Patients' Acceptance and Bowel Cleansing in Patients Undergoing Colonoscopy in Endoscopy Ward (IRAN)

Protocol summary

Summary

Abstract Colonoscopy requires proper colon preparation that allows an effective procedure. There are different methods of bowel preparation available, with varying degrees of cleansing, effectiveness and patient acceptance. The aim of this study was to compare the effects of routine method (castor oil in addition to bisacodyl tablet) with oral sodium phosphate, on the level of patients' acceptance and bowel cleansing .It was a randomized controlled trial with a sample size of 90 outpatient candidates for colonoscopy, randomly assigned to the control or experimental group. Data collection included a demographic questionnaire, assessment of patient satisfaction, and evaluation of bowel cleansing by the endoscopist. The findings revealed that oral sodium phosphate had higher patient acceptance ($p < 0.001$) and a better level of bowel preparation ($p < 0.001$). According to this result oral sodium phosphate has better acceptance and is more effective on colon cleansing, when compared with routine preparation. Key word: colon disease / oral sodium phosphate / colonoscopy /Bowel preparation

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT138902051174N5**
Registration date: **2010-05-20, 1389/02/30**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2010-05-20, 1389/02/30

Registrant information

Name

Atefeh Ghanbari

Name of organization / entity

Guilan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 13780509

Email address

at_ghanbari@gums.ac.ir

Recruitment status

Recruitment complete

Funding source

Vice-Chancellor for research of Guilan University of Medical Sciences (GUMS)

Expected recruitment start date

2005-08-31, 1384/06/09

Expected recruitment end date

2005-11-30, 1384/09/09

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of the Routine Bowel Preparation versus Oral Sodium Phosphate Use on Patients' Acceptance and Bowel Cleansing in Patients Undergoing Colonoscopy in Endoscopy Ward (IRAN)

Public title

Effect of the Routine Bowel Preparation versus Oral Sodium Phosphate Use on Patients' Acceptance and Bowel Cleansing

Purpose

Treatment

Inclusion/Exclusion criteria
Inclusion criteria for the study included: age over 18 years, no cerebrovascular disease or symptomatic ischemic heart disease in the past 6 months, no hepatic disease, creatinine (Cr) level could not be higher than 2mg/dL, absence of hypertension (diastolic blood pressure less than 100mmHg), no family history of insulin dependant diabetes mellitus (IDDM), subject could not be pregnant or postpartum (not lactating), no presence of stomach or intestinal obstruction, subject could not have taken iron derivatives in the previous 4 days, no ingestion of costive agents (codeine, lopramid) within last 12 hours and no history of using opium. Subjects were excluded from the study if they did not complete the bowel preparation or a total colonoscopy could not be performed

Age
From **18 years** old

Gender
Both

Phase
2-3

Groups that have been masked
No information

Sample size
Target sample size: **90**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Guilan University of Medical Sciences Ethics commitee

Street address
GUMS Guilan University of Medical Sciences

City
Rasht

Postal code

Approval date
2005-11-20, 1384/08/29

Ethics committee reference number
5720

Health conditions studied

1

Description of health condition studied
Gastrointestinal disorder

ICD-10 code
K00-K93

ICD-10 code description
Diseases of the digestive system

Primary outcomes

1

Description
Patients' Acceptance

Timepoint
immediately following intervention

Method of measurement
checklist

Secondary outcomes

1

Description
Bowel cleansing

Timepoint
immediately following intervention

Method of measurement
checklist

Intervention groups

1

Description
Felete fosposoda

Category
Treatment - Drugs

2

Description
Castor oil

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center
Gastro intestinal center

Full name of responsible person
Dr Ghanaei

Street address
Razi Hospital

City

Rasht

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice chancellor for research
Full name of responsible person
Dr Sobhani
Street address
Namjo st.,
City
Rasht
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Vice chancellor for research
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
Guialn medical science university (nursing and midwifery)
Full name of responsible person
Dr Atefeh Ghanbari
Position
Assisstant Professor
Other areas of specialty/work
Street address
Guialn medical science university
City
Rasht
Postal code
Phone
+98 13 1322 2071
Fax
Email
at_ghanbari@gums.ac.ir
Web page address

Person responsible for scientific inquiries

Contact
Name of organization / entity
GUMS
Full name of responsible person
Dr Ghanbari
Position
Assisstant Professor
Other areas of specialty/work
Street address
GUMS
City
Rasht
Postal code
Phone
+98 13 1322 2071
Fax
Email
at_ghanbari@gums.ac.ir
Web page address

Person responsible for updating data

Contact
Name of organization / entity
GUMS
Full name of responsible person
Dr Ghanbari
Position
Assistant Professor
Other areas of specialty/work
Street address
GUMS
City
Rasht
Postal code
Phone
+98 13 1322 2071
Fax
Email
at_ghanbari@gums.ac.ir
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