

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 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

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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, loperamid) 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 committee

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

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

Assistant Professor

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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