

# 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

##### 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, 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

**Other areas of specialty/work**
**Street address**

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## Person responsible for scientific inquiries

#### Contact

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## Person responsible for updating data

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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*