

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Therapeutic effect of oral Gastrografin in the management of postoperative adhesive, partial small-bowel obstruction

Protocol summary

Summary

The purpose of this study is to determine the therapeutic role of oral Gastrografin in cases of small bowel obstruction who did not response to conservative treatments. This is a single arm study, not blinded, without using any placebo, single assignment and interventional. Inclusion criteria: patients older than 16 years hospitalized as adhesive small bowel obstruction. Exclusion criteria: 1) strangulation signs and symptoms. 2) patients younger than 16 years old. 3) patients with documented intra abdominal malignancy, IBD or history of abdominal irradiation. Sample size at least 30 patients. All the patients admitted to Qazvin Velayat hospital in 4 month with adhesive partial small bowel obstruction without any signs and symptoms of strangulation can participate in our study after they sign the permission paper. These patients receive oral gastrografin and evaluate in 48 hours to determine if their signs reduce or improve.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016082829567N1**

Registration date: **2016-09-25, 1395/07/04**

Registration timing: **registered_while_recruiting**

Last update:

Update count: **0**

Registration date

2016-09-25, 1395/07/04

Registrant information

Name

Rezvan Barkhordari

Name of organization / entity

Qazvin University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

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Recruitment status

Recruitment complete

Funding source

nothing

Expected recruitment start date

2016-08-22, 1395/06/01

Expected recruitment end date

2016-12-21, 1395/10/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Therapeutic effect of oral Gastrografin in the management of postoperative adhesive, partial small-bowel obstruction

Public title

Therapeutic effect of oral Gastrografin in the management of partial small-bowel obstruction

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: patients older than 16 years hospitalized as adhesive small bowel obstruction with no signs or symptoms of strangulation. Exclusion criteria: 1) strangulation signs and symptoms 2) patients younger than 16 years old 3) patients with documented intra abdominal malignancy, IBD or history of abdominal irradiation.

Age

From **16 years** old to **90 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **30**

Randomization (investigator's opinion)

N/A

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Single

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Qazvin University of Medical Science

Street address

Qazvin University of Medical Science, Bahonar blvd,
Qazvin

City

Qazvin

Postal code

Approval date

2016-07-13, 1395/04/23

Ethics committee reference number

IR.QUMS.REC.1395.95

Health conditions studied

1

Description of health condition studied

Adhesive Small Bowel Obstruction

ICD-10 code

K56.5

ICD-10 code description

Intestinal adhesions [bands] with obstruction

Primary outcomes

1

Description

Nausea

Timepoint

Befor and after gastrografin

Method of measurement

Questionair

2

Description

Vomitting

Timepoint

Befor and after gastrografin

Method of measurement

Questionair

3

Description

Colicy abdominal pain

Timepoint

Befor and after gastrografin

Method of measurement

Questionair

4

Description

Abdominal distention

Timepoint

Befor and after gastrografin

Method of measurement

Questionair

5

Description

Fever

Timepoint

Befor and after gastrografin

Method of measurement

Questionair

6

Description

Constipation

Timepoint

Befor and after gastrografin

Method of measurement

Questionair

Secondary outcomes

empty

Intervention groups

1

Description

Gastrografin meal(2 ampule+100cc water) in 24 hours after admission in hospital (1 or 2 meal) and evaluation within 48 hours after that.if there is any signs or symptoms of strungulation surgery will performed as soon as possible

Category

Treatment - Drugs

Recruitment centers**1****Recruitment center****Name of recruitment center**

Velayat Hospital

Full name of responsible person

Rezvan Barkhordari

Street address

Velayat Hospital, Minoodar square, Qazvin City

City

Qazvin

Sponsors / Funding sources**1****Sponsor****Name of organization / entity**

Qazvin University of Medical Science

Full name of responsible person

Dr.Farzam

Street addressQazvin University of Medical Science, Bahonar blvd,
Qazvin City**City**

Qazvin

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Qazvin University of Medical Science

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**

Qazvin University of Medical Science

Full name of responsible person

Dr Hossein Parsa

Position

Professor of Vascular Surgery

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Qazvin University of Medical Science

Full name of responsible person

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Position

Intern

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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