Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison Gastrointestinal Function after Gastrectomy in patients with Gastric Cancer with and without Nasogastric tube

Protocol summary

Summary

Study objective: The aim of this study was to compare gastrointestinal function after gastrectomy in patients with gastric cancer with and without nasogastric tube. Design: This study was a randomized clinical trial with two groups (experimental and control), post-test design, and not-blind. Setting and conduct: This study was conducted on 66 patients hospitalized in general surgery department of Imam Reza hospital of Mashhad. Sample size: This study was conducted on 66 patients with gastric cancer who had been operated, were randomly assigned into two groups. Inclusion criteria: having total or subtotal gastrectomy; lack of other chronic diseases (such as Renal failure, diabetics, liver disease); lack of GI bleeding and intestinal polyps. Exclusion criteria: withdraw from the study for any reason; Accidental exit of nasogastric tube after surgery. Intervention: in experimental group (n=32) nasogastric tube did had inserted by anesthesiologist immediately after surgery that its remain three days and in control group (n=34) did't had inserted nasogastric tube. The main outcome variables in this study included: gastrointestinal function (severity of nausea, vomiting, first passage of flatus and diet tolerance). GI function in both groups was assessed 6 hours after the entrance to surgery ward from recovery room until the seventh day after surgery using a researcher-made questionnaire of gastrointestinal function.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2016073124845N2**
Registration date: **2016-08-13, 1395/05/23**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2016-08-13, 1395/05/23

Registrant information

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Recruitment status

Recruitment complete

Funding source

University of Medical Sciences Mashhad, Vice chancellor for research

Expected recruitment start date

2015-10-28, 1394/08/06

Expected recruitment end date

2015-12-29, 1394/10/08

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison Gastrointestinal Function after Gastrectomy in patients with Gastric Cancer with and without Nasogastric tube

Public title

The Effect of Nasogastric tube on Gastrointestinal Function

Purpose
Prevention
Inclusion/Exclusion criteria
Inclusion criteria: having total or subtotal gastrectomy; lack of other chronic diseases (such as Renal failure, Diabetes, liver disease); lack of GI bleeding and intestinal polyps. Exclusion criteria: withdraw from the study for any reason; accidental exit of nasogastric tube after surgery.
Age
No age limit
Gender
Both

Phase
2-3
Groups that have been masked
No information
Sample size
Target sample size: **66**
Randomization (investigator's opinion)
Randomized
Randomization description
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 Mashhad University of Medical Sciences
Street address
University of Medical Sciences Mashhad, Vice chancellor for research, Ghoraishy Building, University St
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Postal code
Approval date
2015-09-02, 1394/06/11
Ethics committee reference number
IR.MUMS.REC.94.190

Health conditions studied

1

Description of health condition studied
Gastric cancer
ICD-10 code
C16.9
ICD-10 code description
Gastric cancer NOS

Primary outcomes

1

Description
gastrointestinal function
Timepoint
Up to 7 days after the day of surgery, morning
Method of measurement
self-made gastrointestinal function scale

Secondary outcomes

empty

Intervention groups

1

Description
Intervention group: in the intervention group was inserted nasogastric tube by anesthesiologist immediately after surgery and remained for three days. GI function (severity of nausea and vomiting, first passage of flatus, and diet tolerance) was assessed 6 hours after the entrance from recovery room to surgery ward until the seventh day after surgery. Data was recorded in the researcher-made questionnaire of GI function.
Category
Treatment - Devices

2

Description
Control group: in this study, no intervention was administered to the control group
Category
Treatment - Devices

Recruitment centers

1

Recruitment center
Name of recruitment center
Imam Reza Hospital
Full name of responsible person
Akram Elhami
Street address
General Surgery Department, Imam Reza Hospital, Ebne Sina St, Imam Reza Square, Mashhad
City
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Sponsors / Funding sources

1

Sponsor
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University of Medical Sciences Mashhad, Vice chancellor for research
Full name of responsible person
Mohsen Tafaghodi
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University of Medical Sciences Mashhad, Vice chancellor for research, Ghoraishy Building, University St
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
University of Medical Sciences Mashhad, 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

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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