

Clinical Trial Protocol

Iranian Registry of Clinical Trials

26 Jun 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) didn'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

Name

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Name of organization / entity

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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, Ghoraisy Building, University St

City

Mashhad

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

Name of organization / entity

University of Medical Sciences Mashhad, Vice chancellor for research

Full name of responsible person

Mohsen Tafaghodi

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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

Contact**Name of organization / entity**

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Full name of responsible person

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Position

Master of Science

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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