

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Comparison of Etomidate-Fentanyl and Propofol -Fentanyl sedation in patients scheduled for colonoscopy

Protocol summary

Summary

80 patients scheduled for complete colonoscopy participated in the study.all patients recived fentanil 1 microgram/kg intravenously.they randomized into two groups .in the etomidate group (n=40),a bolus dose of etomidate 0.1 mg/kg was given ,followed by a continuous infusion at 5 microgram/kg/min .in the propofol group (n=50) a bolus dose of propofol 0.5 mg/kg was given, followed by continuous infusion at 25 microgram/kg/min.Vital signs,pain and sedation scores were recorded at the begining of colonoscopy and then every 5 min throughout the procedure.The quality of analgesia was assessed before hospital discharge and 24 h after the procedure.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201212195381N4**

Registration date: **2013-01-07, 1391/10/18**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-01-07, 1391/10/18

Registrant information

Name

Nadia Banihashem

Name of organization / entity

Babol University Of Medical Sciences

Country

Iran (Islamic Republic of)

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Email address

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Recruitment status

Recruitment complete

Funding source

Vice-chancellor of Research Babol University of Medical Sciences

Expected recruitment start date

2012-07-30, 1391/05/09

Expected recruitment end date

2012-11-25, 1391/09/05

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of Etomidate-Fentanyl and Propofol - Fentanyl sedation in patients scheduled for colonoscopy

Public title

Comparison of Etomidate-Fentanyl and Propofol - Fentanyl sedation in patients scheduled for colonoscopy

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria:patients scheduled for comlete elective colonoscopy;ages of 18-55 years;ASA I-II. exclusion criteria:History of large bowel surgery;pregnancy;patients with psychiatric and emotional disorder;history of addiction;history of allergic reaction;history of pulmonary and metabolic disorders.

Age

From **18 years** old to **55 years** old

Gender

Male

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 80

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Babol University of Medical Sciences

Street address

Daneshgah Sq - Ganjafrooz Ave

City

Babol

Postal code

Approval date

2012-07-30, 1391/05/09

Ethics committee reference number

6830/30/ز/پ

Health conditions studied

1

Description of health condition studied

Patients with intestine diseases who need colonoscopy

ICD-10 code

k63.9

ICD-10 code description

disease of intestine,unspecified

Primary outcomes

1

Description

Pain

Timepoint

Before of discharge

Method of measurement

Visual Analogues Scale

Secondary outcomes

1

Description

Drug adverse effects

Timepoint

Before and after colonoscopy

Method of measurement

Before and after colonoscopy

2

Description

Colonoscopist satisfaction

Timepoint

After colonoscopy

Method of measurement

Numerical rating scale for colonoscopist satisfaction

3

Description

Blood pressure

Timepoint

Every 5 minutes

Method of measurement

Noninvasive cuff measurrment

4

Description

Heart rate

Timepoint

Every 5 minutes

Method of measurement

Pulse counting

Intervention groups

1

Description

Fentanil 1microgram/kg and bolus dose of propofol 0.5 mg/kg was given, followed by continuous infusion at 25microgram/kg/min.

Category

Treatment - Drugs

2

Description

Fentanil 1 microgram/kg intravenously and bolus dose of etomidate 0.1 mg/kg was given, followed by a continuous infusion at 5microgram/kg/min

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Ayatollah Ruhani Hospital

Full name of responsible person

Dr Nadia Banihashem

Street address**City**

Babol

Web page address**Person responsible for scientific inquiries****Contact****Name of organization / entity**

Babol University of Medical Sciences

Full name of responsible person

Dr Nadia Banihashem

Position

Assistant Professor of Anesthesiology

Other areas of specialty/work**Street address**Anesthesiology Department, Ruhani Hospital,
Daneshgah Square, Ganjafrooz Avenue**City**

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nbanihashem@yahoo.com

Web page address**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**Vice-chancellor of Research Babol University Of
Medical Sciences**Full name of responsible person**

Dr Amrolah Mostafazadeh

Street addressDaneshgah Square, Ganjafrooz Avenue, Vice-
chancellor Of Research**City**

Babol

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

Yes

Title of funding sourceVice-chancellor of Research Babol University Of Medical
Sciences**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**

Babol University of Medical Sciences

Full name of responsible person

Dr Nadia Banihashem

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Assistant Professor of Anesthesiology

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Person responsible for updating data**Contact****Name of organization / entity**

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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