

Clinical Trial Protocol

Iranian Registry of Clinical Trials

08 Jun 2026

Efficacy of pre-emptive metoclopramide on patients' pain, discomfort and nausea associated with NG Tube insertion

Protocol summary

Summary

objective: The effect of intravenous metoclopramide on pain rate, discomfort and nausea caused by the insertion of nasogastric tube.design and setting: This study is a double blind randomized clinical trial.The target population will included all patients who need admission to hospital NG tube insertion Imam Khomeini hospital in sari.The sampling will be carried out after obtaining the necessary permits and obtaining the informed consent of patients, 46 patients needed to be elected NG tube. inclusion criteria:patient's willingness to participate in the study and obtain informed consent; Indications put nasogastric tube; Age over 18 years.exclusion criteria:Lack of patient awareness; Patients with unstable hemodynamic status; Having nosebleeds during the study period; Having problems anatomical nose; Trauma patients; Hypersensitivity to metoclopramide; Medications interact with metoclopramide; Pregnancy;patients with nausea and vomiting will ; If more than two attempts for nasogastric tube insertion is done.intervention: Intervention group, before planting NG tube, 10 mg metoclopramide (manufacturing pharmaceutical company Al-Hawi) will be given intravenously 15 minutes before the procedure. The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed listadministered. Once the injection.control group, with a similar volume of saline (as a placebo) will be administered.The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed list . main outcom variable: Discomfort and pain during intubation.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015083023696N2**

Registration date: **2015-12-23, 1394/10/02**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-12-23, 1394/10/02

Registrant information

Name

Seyed Mohammad Hosseininejad

Name of organization / entity

Mazandaran University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 11 3337 7169

Email address

mhoseininejad@mazums.ac.ir

Recruitment status

Recruitment complete

Funding source

Mazandaran University Of Medical Science

Expected recruitment start date

2014-04-21, 1393/02/01

Expected recruitment end date

2015-01-20, 1393/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Efficacy of pre-emptive metoclopramide on patients' pain, discomfort and nausea associated with NG Tube insertion

Public title

Study of anti-nausea drug metoclopramide easily nasogastric tube insertion compared with patients not receiving.

Purpose

Treatment

Inclusion/Exclusion criteria

inclusion criteria:patient's willingness to participate in the study and obtain informed consent; Indications put nasogastric tube; Age over 18 years. exclusion criteria:Lack of patient awareness; Patients with unstable hemodynamic status; Having nosebleeds during the study period; Having problems anatomical nose; Trauma patients; Hypersensitivity to metoclopramide; Medications interact with metoclopramide; Pregnancy;patients with nausea and vomiting will ; If more than two attempts for nasogastric tube insertion is done.

Age

From **18 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **46**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Used

Assignment

Parallel

Other design features

Random, using a list provided by the computer and statistical software, version 13 is stata. And the block size 2 and 4 and the ratio of one to one.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Mazandaran University Of Medical Science

Street address

Sari, Mazandaran

City

Sari

Postal code

Approval date

2015-11-27, 1394/09/06

Ethics committee reference number

IR.MAZUMS.REC.94

Health conditions studied

1

Description of health condition studied

pain, discomfort and nausea associated with NG Tube insertion

ICD-10 code

k91.8

ICD-10 code description

Complications of action on the digestive system

Primary outcomes

1

Description

discomfort during intubation.

Timepoint

Zero minutes, 30 minutes, 60 minutes

Method of measurement

score pain, nausea, discomfort

2

Description

nausea and vomiting

Timepoint

Zero minutes, 30 minutes, 60 minutes

Method of measurement

score pain, nausea, discomfort

3

Description

pain

Timepoint

Zero minutes, 30 minutes, 60 minutes

Method of measurement

score pain, nausea, discomfort

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group, before planting NG tube, 10 mg metoclopramide (manufacturing pharmaceutical company Al-Hawi) will be given intravenously 15 minutes before the procedure. The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed listadministered. Once the injection.

Category

Treatment - Drugs

2

Description

control group, with a similar volume of saline (as a placebo) will be administered. The pipeline project done by students trained and at zero, 30 and 60 minutes on the completed list .

Category

Treatment - Drugs

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

Imam Khomeini Hospital

Full name of responsible person

Dr Seyed Mohammad Hoseininejad

Street address

Mazandaran, Sari, Razi str

City

Sari

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

Mazandaran University Of Medical Science

Full name of responsible person

Ahmad Ali Enayati

Street address

mazandaran-sari-meidan moalem-Vice Chancellor for Research and Technology University of Medical Sciences

City

sari

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

Yes

Title of funding source

Mazandaran 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**

Mazandaran University Of Medical Science

Full name of responsible person

Mohammad Hajizadeh

Position

Resident emergency Medicine

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

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

Mazandaran University Of Science

Full name of responsible person

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Position

Emergency medicine specialist

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

Orthopedics Research Center, Mazandaran University Of Science

Full name of responsible person

Samira Aghajani

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

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s.aghajani5233@yahoo.com

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