Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 2026

The effect of lateral positioning on success of nasogastric tube insertion in unconscious patients

Protocol summary

Study aim

1. Provide a scientific, low-cost, easy and practical solution for the placement of gastric nasal tubes in patients with reduced level of consciousness 2. Provide an effective way to reduce the incidence of gastrointestinal obstruction in patients with reduced level of consciousness 3. Provide an effective way to optimize the time spent by nurses to place gastric nasal tubes in these patients

Design

Clinical trial with control group, one-way blind, randomizedIntervention on 170 adolescent patients with loss of consciousness (Myarglaskv8-3)

Settings and conduct

The research environment in this study includes all sections of Ganjavian Hospital in Dezful Which will have patients with low levels of consciousness. A total of 170 samples with study entry criteria were selected They will then be randomly assigned to two intervention and control groups.How to assign patients to each study group by block random methodAnd will be done using 6 blocks.

Participants/Inclusion and exclusion criteria

1. Age 75-18 years 2. Doctor's prescription for feeding through the gastric nasal tube 3. Having stable vital signs (blood pressure: 8/89/139/120 / pulse rate: 100-60 times per minute body temperature: 37.6-36 Breathing number: 20-12 times per minute) 4. Inability to take medicine or food through the mouth 5. Lack of hematological diseases or use of anticoagulants 6. Absence of severe jaw trauma and face

Intervention groups

Determining the effect of lying position on the side on the success rate of gastric nasal catheter insertion in patients with low level of consciousness

Main outcome variables

1. Placement of gastric nasal tube with lateral position in patients with reduced level of consciousness Increases the success rate of placement of gastric nasal tubes 2. Placement of gastric nasal tube with lateral position in patients with reduced level of consciousness Increases Reduces the complications of piping.

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20200601047631N1**
Registration date: **2020-07-18, 1399/04/28**
Registration timing: **registered_while_recruiting**

Last update: **2020-07-18, 1399/04/28**
Update count: **0**

Registration date

2020-07-18, 1399/04/28

Registrant information

Name

Elham Merdasi

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 61 4229 8213

Email address

elham.merdasi68@gmail.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-11-21, 1398/08/30

Expected recruitment end date

2020-10-21, 1399/07/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of lateral positioning on success of nasogastric tube insertion in unconscious patients

Public title

The effect of lateral positioning on success of nasogastric tube insertion in unconscious patients

Purpose

Education/Guidance

Inclusion/Exclusion criteria

Inclusion criteria:

Doctor's prescription for feeding through the gastric nasal tube Inability to take medicine or food through the mouth Lack of hematological diseases or use of anticoagulants Low level of consciousness (Glasgow standard between 3-8)

Exclusion criteria:

Existence of severe jaw trauma and face

Age

From **18 years** old to **70 years** old

Gender

Both

Phase

N/A

Groups that have been masked

- Participant

Sample size

Target sample size: **170**

Randomization (investigator's opinion)

Randomized

Randomization description

170 patients with reduced level of consciousness using block random method and It will be done using 6 blocks.Patients are divided into two groups: intervention and control.The placement of these patients is random and in each block the order of patients is completely different.

Blinding (investigator's opinion)

Single blinded

Blinding description

The placement of random patients in each block is completely different.

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Ahvaz University of Medical Sciencesl

Street address

Department of Research Development and Technology, Ahvaz University of Medical Sciences, Street March, Shahr danshgahy, Golestan Ave, Ahvazn

City

Ahvaz

Province

Khouzestan

Postal code

6135-15794

Approval date

2019-10-23, 1398/08/01

Ethics committee reference number

IR.AJUMS.REC.1398.521

Health conditions studied

1

Description of health condition studied

Includes all patients with decreased level of consciousness.

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

level of consciousness

Timepoint

Glasgow criteria 3-8

Method of measurement

Glasgow criteria

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group:In this group of patients during nasogastricTub placed in the lateral position.Checklist information is entered.This information includes: time, number of attempts, complications (cough, bleeding, gag reflex), gastric nasal catheter insertion, age, sex, weight, height.

Category

N/A

2

Description

Control group:In this group of patients during

nasogastricTub placed in the Supine position.Checklist information is entered.This information includes: time, number of attempts, complications (cough, bleeding, gag reflex), gastric nasal catheter insertion, age, sex, weight, height.

Category

N/A

Recruitment centers

1

Recruitment center

Name of recruitment center

Ganjavian hospital

Full name of responsible person

Simin Jahani

Street address

No.90., Jamistreet., Emam Khomeini Ave., Dezful

City

Dezful

Province

Khouzestan

Postal code

6455165431

Phone

+98 61 4229 8137

Email

elham.merdasi68@gmail.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

SiminJahani

Street address

No.90., Jamistreet., Emam Khomeini Ave., Dezful

City

Ahvaz

Province

Khouzestan

Postal code

6455165431

Phone

+98 61 4229 8137

Email

jahanisimin50@yahoo.com

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Ahvaz University of Medical Sciences

Proportion provided by this source

50

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Academic

Person responsible for general inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

SiminJahani

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

School of Nursing and Midwifery., Ahvaz Jundishapur University of Medical Sciences., Esfand St., University City., Golestan Blvd., Ahvaz

City

Ahvaz

Province

Khouzestan

Postal code

6135715794

Phone

+98 916 319 8223

Email

jahanisimin50@yahoo.com

Person responsible for scientific inquiries

Contact

Name of organization / entity

Ahvaz University of Medical Sciences

Full name of responsible person

Simin Jahani

Position

Assistant Professor

Latest degree

Ph.D.

Other areas of specialty/work

Nursery

Street address

School of Nursing and Midwifery., Ahvaz Jundishapur University of Medical Sciences., Esfand St., University City., Golestan Blvd., Ahvaz

City

Ahvaz

Province

Khouzestan

Postal code

6135715794

Phone

009891663198223

Email
jahanisimin50@yahoo.com

Person responsible for updating data

Contact

Name of organization / entity
Ahvaz University of Medical Sciences

Full name of responsible person
Elham Mardasi

Position
Masters student

Latest degree
Bachelor

Other areas of specialty/work
Nursery

Street address
No.90., Jami street., Emam Khomeini Ave., Dezful

City
Dezful

Province
Khouzestan

Postal code
6455165431

Phone
+98 61 4229 8137

Email
elham.merdasi68@gmail.com

Sharing plan

Deidentified Individual Participant Data Set (IPD)
Undecided - It is not yet known if there will be a plan to make this available

Study Protocol
Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan
Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form
Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report
Undecided - It is not yet known if there will be a plan to make this available

Analytic Code
Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary
Undecided - It is not yet known if there will be a plan to make this available