

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

30 Jun 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, randomized Intervention 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 method And 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 Sciences

## Street address

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

## City

Ahvaz

## Province

Khuzestan

## 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 nasogastric Tub 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

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**Postal code**

6455165431

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elham.merdasi68@gmail.com

**Sponsors / Funding sources**

**1**

**Sponsor**

**Name of organization / entity**

Ahvaz University of Medical Sciences

**Full name of responsible person**

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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

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**Person responsible for scientific inquiries**

**Contact**

**Name of organization / entity**

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**Full name of responsible person**

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**Position**

Assistant Professor

**Latest degree**

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**Other areas of specialty/work**

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**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**

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**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