

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Comparison of feasibility of Nasogastric Tube Insertion in Conventional and SORT method

Protocol summary

Study aim

Feasibility Determination of Nasogastric Tube Insertion in Conventional and SORT method

Design

Two hundred patients who need nasogastric tube insertion in emergency ward enter to study. Patients are randomly divided into two groups (100 patients in intervention, 100 patients in control) based on computer software. In the intervention group, the nasogastric tube will be inserted with SORT method. This method includes for steps. Sniffing position of the head and neck, inserting the nasogastric tube from one nostril, contra lateral rotation of head from the involved nostril, and twisting movement of the tube. In control group the nasogastric tube will be inserted with conventional method.

Settings and conduct

Emergency ward of Imam Reza (AS) hospital of Tabriz

Participants/Inclusion and exclusion criteria

Inclusion criteria: Two hundred 18-60 years old patients who need nasogastric tube insertion in emergency ward.
Exclusion criteria: Neck spine disorders, loss of consciousness, dissatisfaction to participate to study.

Intervention groups

Intervention group: In this group, the nasogastric tube will be inserted with SORT method. This method includes for steps. Sniffing position of the head and neck, inserting the nasogastric tube from one nostril, contra lateral rotation of head from the involved nostril, and twisting movement of the tube. Control group: In this group, the nasogastric tube will be inserted with conventional method.

Main outcome variables

Number of attempts for Nasogastric tube insertion and pain severity at the time of its insertion

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130224012592N5**

Registration date: **2018-07-21, 1397/04/30**

Registration timing: **registered_while_recruiting**

Last update: **2018-07-21, 1397/04/30**

Update count: **0**

Registration date

2018-07-21, 1397/04/30

Registrant information

Name

Farzad Rahmani

Name of organization / entity

Tabriz University of Medical Science

Country

Iran (Islamic Republic of)

Phone

+98 41 3335 2078

Email address

rahmanif@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-06-22, 1397/04/01

Expected recruitment end date

2019-03-21, 1398/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of feasibility of Nasogastric Tube Insertion in Conventional and SORT method

Public title

Comparison of feasibility of Nasogastric Tube Insertion in two different methods

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

18-60 years old Patients who need nasogastric tube insertion in emergency ward

Exclusion criteria:

Neck spine disorders loss of consciousness dissatisfaction to participate to study.

Age

From **18 years** old to **60 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **200**

Randomization (investigator's opinion)

Randomized

Randomization description

with RAS software

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 Tabriz University of Medical Sciences

Street address

Tabriz University of Medical Sciences

City

tabriz

Province

East Azarbaijan

Postal code

5166616471

Approval date

2018-05-28, 1397/03/07

Ethics committee reference number

IR.TBZMED.REC.1397.222

Health conditions studied

1

Description of health condition studied

Gastrointestinal hemorrhage

ICD-10 code

K92.2

ICD-10 code description

Gastrointestinal hemorrhage, unspecified

2

Description of health condition studied

Suicide attempt

ICD-10 code

T14.91

ICD-10 code description

Suicide attempt

Primary outcomes

1

Description

Number of attempts for Nasogastric tube insertion

Timepoint

At the time of insertion of the nasogastric tube

Method of measurement

Based on the number of attempts for Nasogastric tube insertion

2

Description

Pain severity at the time of insertion of the nasogastric tube

Timepoint

At the time of insertion of the nasogastric tube

Method of measurement

Based on numeric analog scale from 1 to 10

Secondary outcomes

1

Description

Complication at the time on nasogastric tube insertion

Timepoint

At the time on nasogastric tube insertion

Method of measurement

Based on patient's physical exam

Intervention groups

1

Description

Intervention group: In this group, the nasogastric tube will be inserted with SORT method. This method includes for steps. Sniffing position of the head and neck, inserting the nasogastric tube from one nostril, contra

lateral rotation of head from the involved nostril, and twisting movement of the tube.

Category

Treatment - Devices

2

Description

Control group: In this group, the nasogastric tube will be inserted with conventional method

Category

Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center

Emam Reza (AS) Hospital

Full name of responsible person

Hamed Afsharjou

Street address

Golgasht street, Azadi avenue, Tabriz city

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farzadrhn@yahoo.com

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tabriz University of Medical Sciences

Full name of responsible person

Abolghasem Jouyban

Street address

Campus of Tabriz University, Golgasht street, Azadi avenue

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Email

ajouyban@hotmail.com

Grant name

Grant code / Reference number

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

Yes

Title of funding source

Tabriz University of Medical Sciences

Proportion provided by this source

100

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

Tabriz University of Medical Sciences

Full name of responsible person

Farzad Rahmani

Position

Assistant Professor

Latest degree

Specialist

Other areas of specialty/work

Emergency Medicine

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Person responsible for scientific inquiries

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Person responsible for updating data

Contact

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Full name of responsible person
Farzad Rahmani
Position
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Latest degree
Specialist
Other areas of specialty/work
Emergency Medicine
Street address
Golgasht Street, Tabriz University of Medical Science
City

Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

I don't have any plan for publishing the data, now.

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

No - There is not a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available