

Clinical Trial Protocol

Iranian Registry of Clinical Trials

27 Jul 2026

Investigating and comparing the success rate of intubation using SANYAR video laryngoscope and GlideScope in patients undergoing bariatric surgery

Protocol summary

Study aim

Determining and comparing the success rate of intubation using SANYAR video laryngoscope and GlideScope in patients who are candidates for bariatric surgery.

Design

A clinical trial with a control group, with parallel groups, randomized using block randomization, phase 2-3 in 150 patients. www.sealedenvelope.com is used for randomization.

Settings and conduct

This randomized clinical trial study will be conducted on 150 patients undergoing bariatric surgery in three groups at Sina Hospital in Tehran. Random allocation of samples is done by block method. The variables and success status of intubation will be recorded by the research team during the operation and at the designated times.

Participants/Inclusion and exclusion criteria

Patients older than 18 years who were candidate for bariatric surgery will enroll to study, also patients with previous history of difficult intubation and history of cervical vertebra surgery were excluded from study.

Intervention groups

SANYAR group: patients who are candidates for Bariatric surgery, and SANYAR video Laryngoscope is used for their intubation. GlideScope group: Patients who are candidates for Bariatric surgery, and GlideScope is used for their intubation. Control group: Patients who are candidates for Bariatric surgery, and direct laryngoscopy with macintosh blade is used for their intubation.

Main outcome variables

Intubation success rate at first try

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20220513054842N2**

Registration date: **2023-04-18, 1402/01/29**

Registration timing: **prospective**

Last update: **2023-04-18, 1402/01/29**

Update count: **0**

Registration date

2023-04-18, 1402/01/29

Registrant information

Name

Mohamadreza Neishaboury

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 4427 2306

Email address

mrneishaboury@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2023-05-05, 1402/02/15

Expected recruitment end date

2023-08-06, 1402/05/15

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Investigating and comparing the success rate of intubation using SANYAR video laryngoscope and

GlideScope in patients undergoing bariatric surgery

Public title
Investigating the success rate of intubation using SANYAR video laryngoscope and GlideScope

Purpose
Treatment

Inclusion/Exclusion criteria
Inclusion criteria:
Patients older than 18 years Candidate for bariatric surgery
Exclusion criteria:
Previous history of difficult intubation Previous history of cervical vertebra surgery

Age
From **18 years** old

Gender
Both

Phase
N/A

Groups that have been masked

- Participant

Sample size
Target sample size: **150**

Randomization (investigator's opinion)
Randomized

Randomization description
The block randomization method with block size of 6 will be used for the random allocation of patients. The website "www.sealedenvelope.com" will be used to create random blocks. It creates blocks randomly (keeping in mind that the number of study groups in each block is equal) and the total number of generated blocks will be 30. The randomization sequence then will be handed to a nurse anesthetist.

Blinding (investigator's opinion)
Single blinded

Blinding description
Following patients admission to operating room, patients' group or method for intubation (direct laryngoscopy, Glidescope, SANYAR) will be decided according to randomization sequences. The patients will not be notified about the allocation.

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Research Ethics Committee of Sina Hospital, Tehran
University of Medical Sciences

Street address

Sina Hospital, Imam Khomeini Street

City

Tehran

Province

Tehran

Postal code

1136746911

Approval date

2022-08-02, 1401/05/11

Ethics committee reference number

IR.TUMS.SINAHOSPITAL.REC.1400.126

Health conditions studied

1

Description of health condition studied

Bariatric surgery

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Intubation success rate at first try

Timepoint

After intubation

Method of measurement

Based on observation

Secondary outcomes

1

Description

time of intubation

Timepoint

during intervention

Method of measurement

Time of intubation was defined as the duration from the laryngoscope blade enters the patient's mouth until the first capnography wave is observed on the monitor. This time will be recorded by a nurse anesthetist

Intervention groups

1

Description

SANYAR group: Patients who are candidates for Bariatric surgery and are going to be intubated with SANYAR videolaryngoscope.

Category

Treatment - Devices

2

Description

Glidescope group: Patients who are candidates for Bariatric surgery and are going to be intubated with GlideScope.

Category

Treatment - Devices

3

Description

Control group: Patients who are candidates for Bariatric surgery and are going to be intubated with direct laryngoscopy.

Category

Treatment - Devices

Recruitment centers

1

Recruitment center

Name of recruitment center

Sina Hospital

Full name of responsible person

Dr. Mohammad Reza Neishaburi

Street address

Sina Hospital, Imam Khomeini St

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mrneneishabury@tums.ac.ir

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Tehran University of Medical Sciences

Full name of responsible person

Akbar Fatuhi

Street address

Central building of Tehran University of Medical sciences, Ghods st., Keshavarz blv.

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1417653761

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vcr@tums.ac.ir

Grant name

Grant code / Reference number

Is the source of funding the same sponsor

organization/entity?

Yes

Title of funding source

Tehran 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

Tehran University of Medical Sciences

Full name of responsible person

Mohamadreza Neishaboury

Position

Assistant Professor

Latest degree

Specialist

Other areas of specialty/work

Anesthesiology

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Person responsible for scientific inquiries

Contact

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Position

Assistant Professor

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Person responsible for updating data

Contact

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Yes - There is a plan to make this available

Informed Consent Form

Yes - There is 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

Not applicable

Title and more details about the data/document

Main outcome data of the study

When the data will become available and for how long

6 months after completing the study

To whom data/document is available

University researchers

Under which criteria data/document could be used

Sharing scientific findings to increase the production of science

From where data/document is obtainable

Email address of Dr. Nishaboury:
mrnishaboury@tums.ac.ir

What processes are involved for a request to access data/document

The request should be made by email and the answer will be given within two months

Comments