

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Jun 2026

Estimation of Proper Length of Orotracheal Intubation tube in children- Comparison of three common formula with fiberoptic bronchoscope

Protocol summary

Summary

Purpose: Determine the proper length of pediatric endotracheal tube Design: children under 12 years, sample Size 345, randomize, double blind, placebo-controlled unchecked, single center, with out phase setting and conduct: At the end of surgery before Extubation fiberoptic bronchoscopy performed to measure karina distance to the upper canine teeth and then extubation and measure vocal cord distance to the upper canine teeth Inclusion criteria: children under 12 years need oro tracheal intubation Exclusion criteria: children with Anatomic problems in face, neck, airway, lungs intervention: Choose one of three common formula to estimate the depth of the endotracheal tube in the airway Primary outcome: depth of endotracheal tube

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2015100722309N2**

Registration date: **2015-12-08, 1394/09/17**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-12-08, 1394/09/17

Registrant information

Name

Behzad Aliakbari Sharabiani

Name of organization / entity

Tabriz University of Medical Sciences, Faculty of Medicine

Country

Iran (Islamic Republic of)

Phone

+98 41 3334 1994

Email address

aliakbarib@tbzmed.ac.ir

Recruitment status

Recruitment complete

Funding source

investigator

Expected recruitment start date

2015-09-21, 1394/06/30

Expected recruitment end date

2015-11-21, 1394/08/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Estimation of Proper Length of Orotracheal Intubation tube in children- Comparison of three common formula with fiberoptic bronchoscope

Public title

The entry level of tube inside the lungs during anesthesia in children

Purpose

Prevention

Inclusion/Exclusion criteria

Inclusion criteria: children under 12 years old, with ASA class 1 and 2, need to oro tracheal intubation Exclusion criteria: children with Anatomic congenital or acquired problems in face, neck, airway, lungs

Age

From **1 day** old to **11 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 345

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Randomization of samples has done with the table of random numbers.

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of Tabriz University of Medical Sciences

Street address

Golgasht st., University of Medical Sciences, Faculty of Medicine

City

Tabriz

Postal code

5136735886

Approval date

2015-11-19, 1394/08/28

Ethics committee reference number

Tbzmed.rec.1394.699

Health conditions studied

1

Description of health condition studied

orotracheal intubation

ICD-10 code

-

ICD-10 code description

-

Primary outcomes

1

Description

depth of endotracheal tube

Timepoint

During intervention

Method of measurement

fiberoptic bronchoscope-centimeter

Secondary outcomes

empty

Intervention groups

1

Description

Choose one of three common formula to estimate the depth of the endotracheal tube in the airway. in this study depth of the orotracheal tube was calculated by one of three common formula and then intubated.

Category

Prevention

Recruitment centers

1

Recruitment center

Name of recruitment center

Tabriz Children's Hospital

Full name of responsible person

Behzad Aliakbari Sharabiani-Assistant Professor of anesthesiology

Street address

Sheshgilan street- Children Hospital

City

tabriz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

abootorab shahmohammadi

Full name of responsible person

abootorab shahmohammadi

Street address

Sheshgilan street - Children Hospital

City

tabriz

Grant name

-

Grant code / Reference number

-

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

Yes

Title of funding source

abootorab shahmohammadi

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

Tabriz Medical University -Faculty of Medicine

Full name of responsible person

abootorab shahmohammadi

Position

medical student

Other areas of specialty/work

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Person responsible for scientific inquiries

Contact

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Full name of responsible person

behzad aliakbari sharabiani

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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