Clinical Trial Protocol
Iranian Registry of Clinical Trials

18 Sep 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,randomze, 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 orotracheal 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 orotracheal 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

Street address

Sheshgilan street - Children Hospital

City

tabriz

Postal code

5136735886

Phone

+98 41 3526 2250

Fax

+98 335262279

Email

Dr.shahmohammadie@gmail.com

Web page address

http://childrenhospital.tbzmed.ac.ir/

Person responsible for scientific inquiries

Contact

Name of organization / entity

Tabriz Medical University -Faculty of Medicine

Full name of responsible person

behzad aliakbari sharabiani

Position

Assistant Professor of anesthesiology

Other areas of specialty/work

Street address

Sheshgilan- Children Hospital

City

tabriz

Postal code

5136735886

Phone

+98 41 3526 2250

Fax

+98 335262279

Email

sharabiani48@gmail.com

Web page address

http://childrenhospital.tbzmed.ac.ir/

Person responsible for updating data

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

Street address

Children Hospital

City

tabriz

Postal code

5136735886

Phone

+98 41 3526 2250

Fax

+98 335262279

Email

Dr.shahmohammadie@gmail.com

Web page address

http://childrenhospital.tbzmed.ac.ir/

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