

Clinical Trial Protocol

Iranian Registry of Clinical Trials

11 Jul 2026

Evaluation of the diagnostic value of tracheal intubation by two methods of palpation and auscultation compare with chest x-ray in pediatric patients in Chamran Heart Hospital at 2018.

Protocol summary

Study aim

Determination of the diagnostic value of tracheal intubation by two methods of palpation and auscultation compare with chest x-ray in pediatric in Chamran Heart Hospital at 2018

Design

Clinical trial with blank group, simple sampling until completion 80 patients

Settings and conduct

Chamran heart hospital

Participants/Inclusion and exclusion criteria

1- Elective surgery 2- General anesthesia 3- Age under 6 year

Intervention groups

Determine tracheal tube fix number

Main outcome variables

1- Depth of tracheal tube fixation 2- Chest radiographic landmarks

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20130430013181N3**

Registration date: **2020-06-10, 1399/03/21**

Registration timing: **retrospective**

Last update: **2020-06-10, 1399/03/21**

Update count: **0**

Registration date

2020-06-10, 1399/03/21

Registrant information

Name

Mojtaba Mansouri

Name of organization / entity

Isfahan university of medical sciences

Country

Iran (Islamic Republic of)

Phone

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Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2019-03-21, 1398/01/01

Expected recruitment end date

2020-03-19, 1398/12/29

Actual recruitment start date

2019-04-04, 1398/01/15

Actual recruitment end date

2020-03-10, 1398/12/20

Trial completion date

2020-03-19, 1398/12/29

Scientific title

Evaluation of the diagnostic value of tracheal intubation by two methods of palpation and auscultation compare with chest x-ray in pediatric patients in Chamran Heart Hospital at 2018.

Public title

Pediatric tracheal intubation

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria:

1. Elective surgery 2. General anesthesia 3. Age under 6 year

Exclusion criteria:

Preoperative respiratory disease Upper airway anomaly Cervical spine anomaly

Age

To 6 years old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 80

Actual sample size reached: 80

Randomization (investigator's opinion)

N/A

Randomization description**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 Isfahan University of Medical Sciences

Street address

Isfahan University of Medical Sciences, Hezar Jarib st.

City

Isfahan

Province

Isfahan

Postal code

81746-73461

Approval date

2019-03-03, 1397/12/12

Ethics committee reference number

IR.MUI.MED.REC.1397.288

Health conditions studied**1****Description of health condition studied**

Tracheal Intubation

ICD-10 code**ICD-10 code description****Primary outcomes****1****Description**

Fix number of tracheal tube

Timepoint

During tracheal intubation

Method of measurement

Numbers on tracheal tube

Secondary outcomes**1****Description**

landmarks of chest x-ray

Timepoint

after surgery

Method of measurement

PACS

Intervention groups**1****Description**

Intervention group: All patients anesthetized similarly. They intubated (SOPA Company) by researcher anesthesiologist. For tracheal fixation, physician compress gently suprasternal notch by her recessive hand finger and then pull back tube from trachea by another hand. After palpation of tip of tube, he advanced tube one centimeter in trachea and fixed this against incisors. Number of fixation was recorded in check list. After surgery radiologic landmarks of tracheal tube position were evaluated and recorded.

Category

Treatment - Devices

2**Description**

Control group: All patients anesthetized similarly. They intubated (SOPA Company) by researcher anesthesiologist. For tracheal fixation, physician at first auscultate right lung and then during left lung auscultation tracheal tube gently pull back until left lung ventilate too. Then physician further pull back tube 1 centimeter and fixed tracheal tube. Number of fixation was recorded in check list. After surgery radiologic landmarks of tracheal tube position were evaluated and recorded.

Category

Treatment - Devices

Recruitment centers**1****Recruitment center****Name of recruitment center**

Chamran Heart Hospital

Full name of responsible person

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Esfahan 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
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Full name of responsible person
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Position

Associate professor
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Person responsible for updating data

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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

Yes - There is a plan to make this available

Analytic Code

Yes - There is a plan to make this available

Data Dictionary

Yes - There is a plan to make this available

Title and more details about the data/document

All of data after patients unrecognizing.

When the data will become available and for how long

One year after print

To whom data/document is available

All of researchers

Under which criteria data/document could be used

Only for medical researchs.

From where data/document is obtainable

Contact with Isfahan medical science research office.

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

One month after Isfahan medical science research office agreement.

Comments