Clinical Trial Protocol
Iranian Registry of Clinical Trials

17 Sep 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
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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
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Province
Isfehan
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
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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
Esfahan University of Medical Sciences
Full name of responsible person
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Position
Associate professor
Latest degree
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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