

FIVE YEARS REVIEW OF RIGID BRONCHOSCOPY IN PEDIATRIC INTENSIVE CARE UNIT PATIENTS

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Objective : To review the indications, findings, and complications of rigid bronchoscope in PICU patients.

Methodology: A retrospective study, reviewed the medical records of all documented cases admitted to PICU from 2010 until 2015 at King Abdulaziz University Hospital (KAUH).

Results: A total of 37 out of 400 reviewed subjects have underwent bronchoscopy during PICU stay and were analysed in the study. Nine (24.3%) out of 37 patients were found to have subglottic stenosis, followed by eight (18.9%) patients diagnosed to have vocal cord paralysis, normal airways (10.8%), laryngeal web (8.1%), foreign body (8.1), epiglottis (5.4%), trachea-esophageal fistula (5.4%), signs of pharyngo-laryngeal reflux, right main bronchus adhesion and fibrosis, and congenital laryngomalacia. No any complication was noted except for a single patient who has failed the first trial of foreign body removal. Regarding consultation reasons nine patients (24.3%) were found to have stridor, followed by (18.9%) with respiratory distress, failed extubation (16.6), failed intubation (10%), foreign body (5.4%), respiratory distress (8.1%) laryngeal edema (5.4%), failed NGT insertion (2.7%) and bifid uvula (2.7%).

Recent Publications

Conclusion: Rigid bronchoscope use is safe for examining and managing airway diseases and carry a low rate of complications when used properly. In addition, the early use of bronchoscope can assess in early discharge from critical care unit.

1. H. Alhozali, A. Almusallam, D. Bakheet, E. Badawood, E.

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2. S. Bahlas, S. Rammal, M. Alsharif, E. Alaadah, R. Melibary, A. Alhazmi. (2015). Pregnancy Outcome in Systemic Lupus Erythematosus Patients with Negative Antiphospholipid Antibody. *Advances in Environmental Biology*, 9(24), 307-311.

3. S. J. Al-Ghamdi, E. AlAadah, B. J. Alghamdi, A. AlBanna. Restrictive Pulmonary Function Pattern And It's Impact on Asthma severity. *ATS journal. AmJ Respir Crit Care Med* 191;2015:A4203.

Biography

This is Eulaf Hassan Alaadah, had the bachelor degree of Medicine and Surgery from King AbdulAziz University on 2016. During 2017, she finished her internship training and got accepted in the Saudi board of OtoRhinoLaryngology – Head and Neck Surgery. She is passionate in doing research activities, teaching and volunteering. Her career vision is Seeking an impeccable medical knowledge to be a leading medical doctor, a researcher, and a developer for medical & educational services in the society.

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