

Name of journal: World Journal of Anesthesiology

ESPS Manuscript NO: 16330

Columns: Editorial

Critical importance of tracheal tube cuff pressure management

Taoyuan Robert Feng, Ying Ye, D John Doyle

Abstract

The ideal range for tracheal tube cuff pressures is usually taken to be between 20 to 30 cm H₂O. This is easily measured with a cuff pressure manometer and should be measured in each instance. The importance of tracheal tube cuff pressures is highlighted by the spectrum of airway complications that can occur with incorrect cuff pressures. High cuff pressures can result in complications ranging from sore throat and hoarseness to tracheal stenosis, necrosis, and even rupture. In such cases, the postulated causative factor is diminished blood flow to tracheal mucosa due to excessive cuff pressure on the tracheal wall. This hypothesized ischemic injury then produces healing fibrosis months or even years later. On the other hand, cuff pressures that are too low place the patient at risk for aspiration of gastric contents and consequently, aspiration pneumonitis and pneumonia. This is why the authors recommend that cuff pressures be measured following all intubations.

KEYWORDS

Match Overview

Rank	Source	Words	Similarity
1	CrossCheck	62 words Rebecca A. Schroeder, "Total Blood Transfusion and Mortality after Orthotopic Liver Transplantation.", Anesthesiology	4%
2	Internet	22 words crawled on 27-Nov-2012 www.biomedcentral.com	1%
3	CrossCheck	16 words William W. Tollefsen, "Endotracheal Tube Cuff Pressures in Pediatric Patients Intubated Before Aeromedical Transport"	1%
4	CrossCheck	14 words Nikolaos Zias, "Post tracheostomy and post intubation tracheal stenosis: Report of 31 cases and review of the literature"	1%
5	CrossCheck	10 words Yoon, S.Z., "The safety of reused endotracheal tubes sterilized according to Centers for Disease Control and Prevention"	1%
6	Internet	9 words crawled on 13-Dec-2013 sajcc.org.za	1%
7	Internet	9 words crawled on 23-Mar-2012	1%



Critical importance of tracheal tube cuff pressure management



网页 图片 视频 新闻 更多 ▾ 搜索工具

找到约 5,500,000 条结果 (用时 0.50 秒)

Google 学术: Critical importance of tracheal tube cuff pressure management

Automatic control of tracheal tube cuff pressure in ... - Valencia - 被引用次数: 125

Complications and consequences of endotracheal ... - Stauffer - 被引用次数: 993

Measurement of tracheal tube cuff pressure in critical ... - Vyas - 被引用次数: 107

Endotracheal tube cuff pressure management in adult ...

www.sajcc.org.za/index.php/SAJCC/article/view/129/148 ▾ 翻译此页

作者: PJ Jordan - 2012 - 被引用次数: 4 - 相关文章

The monitoring of endotracheal tube (ETT) cuff pressure in intubated patients is ... to ETT cuff pressure management by professional nurses in adult critical care units ... cuffs.5 , 6

Apart from maintaining correct cuff pressure, it is important to ...

Cuff Pressure of ET Tubes in Patients on Mechanical ...

www.medscape.com/viewarticle/818880 ▾ 翻译此页

A significant deviation in cuff pressure occurred with all 16 changes ($P < .05$). ... airway during surgical procedures and in critically ill patients treated with mechanical ventilation.

... Cuff pressure is essential in endotracheal tube management.

Critical Care | Full text | Continuous endotracheal tube cuff ...

ccforum.com/content/18/2/R77 ▾ 翻译此页



网页 图片 视频 新闻 更多 ▾ 搜索工具

找到约 4,690,000 条结果 (用时 0.68 秒)

Google 学术: Critical importance of tracheal tube cuff pressure management

Automatic control of tracheal tube cuff pressure in ... - Valencia - 被引用次数: 126

Complications and consequences of endotracheal ... - Stauffer - 被引用次数: 997

Measurement of tracheal tube cuff pressure in critical ... - Vyas - 被引用次数: 108

Cuff Pressure of ET Tubes in Patients on Mechanical ...

www.medscape.com/viewarticle/818880 ▾ 翻译此页

A significant deviation in cuff pressure occurred with all 16 changes ($P < .05$). ... airway during surgical procedures and in critically ill patients treated with mechanical ventilation.

... Cuff pressure is essential in endotracheal tube management.

Endotracheal tube cuff pressure management in adult ...

www.sajcc.org.za/index.php/SAJCC/article/view/129/148 ▾ 翻译此页

作者: PJ Jordan - 2012 - 被引用次数: 4 - 相关文章

The monitoring of endotracheal tube (ETT) cuff pressure in intubated patients is ... to ETT cuff pressure management by professional nurses in adult critical care units ... cuffs.5, 6

Apart from maintaining correct cuff pressure, it is important to ...