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Case Control Study

Removal of biofilm is essential for long-term ventilation tube retention

Ma Q *et al.* Method for long-term ventilation tube retention

Qiang Ma, Hui Wang, Zheng-Nong Chen, Ya-Qin Wu, Dong-Zhen Yu, Peng-Jun Wang, Hai-Bo Shi, Kai-Ming Su

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Oct 01, 2013 · **Biofilm** and mucus accumulate on the inner **lumen** of the **endotracheal tube** with increasing time of intubation and **mechanical ventilation**. 11 Standard **endotracheal tube suctioning** (on demand) and humidification do not prevent this build-up of **mucus** or **biofilm**. 11 **Endotracheal tube intraluminal** volume loss due to mucus and **biofilm buildup** is also associated with an increased rate of **ventilator-associated** pneumonia and **longer mechanical ventilation**...

Published in: Respiratory Care - 2013

Authors: George Ntoumenopoulos

Surgical indications and outcomes of tympanostomy tube ...

<https://www.sciencedirect.com/science/article/pii/S0165587605000741>

Few studies in the literature address either the indications for tympanostomy **tube removal** or the impact of different techniques to promote healing upon surgical **tube removal**. In 1998, Nichols et al. found that **tubes** retained longer than 36 months resulted in a statistically significant increased perforation rate following surgical **removal**.

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Nov 13, 2012 · Impact of tongue **biofilm removal** on mechanically ventilated patients ... To evaluate the effectiveness of a tongue cleaner in the **removal** of tongue **biofilm** in mechanically ventilated patients. ... Oliveira et al. evaluated **biofilms** that had formed on humidifier **tubes** in intubated patients and compared them with dental and tongue **biofilms**.

Extraction and quantification of biofilm bacteria: Method ...

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Publish Year: 2018

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Extraction and quantification of biofilm bacteria: Method ...

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Cited by: 13 **Author:** Kedar Diwakar Mandakhalikar, Juwita No...

Publish Year: 2018 **Author:** Kedar Diwakar Mandakhalikar

[PDF] Transport, retention, and long-term release behavior of ...

https://www.ars.usda.gov/arsuserfiles/20360500/pdf_pubs/P2496.pdf

NP retention in **biofilm-coated** sand at **low** IS. The **long-term release** of retained ZnO-NPs was subsequently investigated by continuously injecting NP-free solution at pH 6, 9, or 10 and keeping ... +

Long-term ventilation tubes: Results of 726 insertions

<https://www.researchgate.net/publication/11078128...>

A persisting perforation developed in 19% after extrusion or **removal** of the **tube**. Other, mostly minor, complications occurred in 36% with the **tube** in situ and in 3% after extrusion or **removal** of the ... +

Prevention of persistent ear drum perforation after long ...

<https://www.sciencedirect.com/science/article/pii/S0165587696014140>

The effect of tape patch technique using Steri-Strip **TM** **tape** in combination with freshening of the perforation edge after **removal of long-term ventilation tubes** for preventing permanent ear ... +

Cited by: 26 **Author:** Takehisa Saito, Eiko Iwaki, Yoko Kohno, T...

Publish Year: 1996

Long-Term Mechanical Ventilation: Management Strategies ...

rc.rcjournal.com/content/57/6/889

Jun 01, 2012 · **Prolonged mechanical ventilation** (PMV) provides **ventilatory** support to patients with

either isolated failure of the respiratory system or respiratory failure occurring as a ... +