

SAMBA 2024

PBLD Set 1: Pediatric Tonsils and LMA for Tonsils?

PBLD Session: PBLD Set 1

Friday May 3, 2024

2:45 PM – 3:35 PM

Title: Pediatric Tonsils and Laryngeal Mask Airway (LMA) for Tonsillectomy: A Comprehensive Review

Facilitator: Kumar G. Belani, MBBS, MS, FACA, FAAP, SAMBA-F
Professor of Anesthesiology, M Health Fairview Masonic Children's Hospital, University of Minnesota, Minneapolis, MN 5455. USA.

Learning Objectives:

- Understand the prevalence and risks associated with pediatric adenotonsillectomy.
- Evaluate the role of the Laryngeal Mask Airway (LMA) in reducing intraoperative time and complications during pediatric adenotonsillectomy.
- Discuss the safety and efficacy of LMA compared to endotracheal intubation in pediatric tonsil surgeries.

Case Presentation: You are an anesthesiologist in a pediatric surgery center, preparing for a routine tonsillectomy in a 5-year-old child with a history of obstructive sleep apnea. The surgical team is debating between using a traditional endotracheal tube and a laryngeal mask airway (LMA) for airway management during the procedure.

Discussion:

Epidemiology and Risks of Pediatric Adenotonsillectomy:

Overview of the prevalence and indications for pediatric adenotonsillectomy.

Discuss the potential risks associated with the procedure, including perioperative respiratory events and postoperative complications.

Role of Laryngeal Mask Airway (LMA) in Pediatric Adenotonsillectomy:

Present evidence supporting the use of LMA as an alternative to endotracheal intubation in pediatric tonsil surgeries.

Review studies indicating potential benefits of LMA in reducing intraoperative time and improving patient outcomes.

Comparative Analysis: LMA vs. Endotracheal Intubation:

Compare and contrast the advantages and disadvantages of LMA and endotracheal intubation for pediatric tonsil surgeries.

Discuss factors influencing the choice between LMA and endotracheal intubation, such as patient characteristics, surgical complexity, and surgeon preference.

Safety and Complications of Laryngeal Mask Airway (LMA):

Evaluate the safety profile of LMA placement in pediatric patients undergoing adenotonsillectomy.

Discuss potential complications associated with LMA use and strategies for prevention and management.

Future Directions and Research Needs:

Identify areas for future research to further optimize airway management techniques in pediatric tonsil surgeries.

Discuss the role of emerging technologies and perioperative protocols in improving patient outcomes and safety.

Conclusion: Through this PBLD, participants will gain a comprehensive understanding of the adenotonsillectomy, with a focus on the use of the laryngeal mask airway (LMA) as an alternative airway management technique to reduce intraoperative time and complications, exploring both its advantages and limitations.

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