



講師：徐博奎 Po-Kuei Hsu

主題：

Interplay between Anesthesia and Thoracic Surgery

摘要：

The relationship between anesthesia and thoracic surgery is critical to ensuring patient safety and successful outcomes. Thoracic surgery involves complex procedures that often challenge respiratory function, necessitating specialized anesthesia techniques. Airway management is a key component, requiring precise control and dynamic ventilation adjustments due to the unique challenges posed by the surgical field. The anesthesiologist's ability to tailor ventilation strategies, manage airway devices like double-lumen tubes and bronchial blockers, and adapt to intraoperative changes is essential for achieving successful surgical outcomes.

The interplay between these disciplines continues to evolve, emphasizing a multidisciplinary approach for optimal care. Innovations such as non-intubated thoracic surgery, preoperative localization in hybrid operating rooms, the use of airway stents for obstructive diseases, and the application of artificial pneumothorax during minimally invasive thoracic procedures are examples of this progress.

Advances in both fields have facilitated minimally invasive thoracic surgeries, while improved anesthetic agents and monitoring techniques further enhance patient outcomes. Clear and continuous communication between the surgeon and anesthesiologist is vital to navigating intraoperative challenges and ensuring the best possible patient care.