

Lung transplantation is considered the final resort for patients suffering from end-stage lung disease. The field of lung transplantation is intricate and continuously evolving, characterized by significant advancements in surgical techniques and patient management over the past few decades. As bridging techniques such as extracorporeal membrane oxygenation and oxygenated right ventricular assist devices are developing, the severity of recipients tends to increase. Due to the critically ill condition of candidates for lung transplantation, a multidisciplinary team approach involving pulmonologists, intensivists, infectious disease specialists, cardiovascular teams, and nurse specialists is essential. This textbook, titled “*Lung Transplantation*”, is a compilation of recently published remarkable articles from journals of AME (<http://amegroups.com/>), covering the various aspects mentioned above. If a patient encounters any issues during the hospitalization, discharge, or long-term outpatient follow-up process, they may not be able to enjoy a stable and joyful life. Hence, it is imperative to closely monitor all stages from pre-surgery to long-term follow-up.

The objective of this textbook on lung transplantation is to provide a comprehensive understanding of the pre- and post-operative considerations and the surgical techniques involved in this procedure. The book encompasses a multitude of facets concerning the preoperative stage of lung transplantation, including the efficacy of oxygenated right ventricular assist devices as a bridge to lung transplantation, lung transplantation in patients with pulmonary hypertension, and contemporary issues such as challenges during the COVID-19 era, donation after circulatory death, and challenges related to anticoagulation before lung transplantation. Additionally, the textbook includes a discussion on serious complications that may arise after lung transplantation, such as airway complications, bacterial and fungal infections, and lung cancer after lung transplantation, thereby enhancing the reader’s knowledge of lung transplantation.

Particularly noteworthy in this textbook is the announcement of the current status of lung transplantation in Asian countries, an area that has not received extensive attention. Since its inception in the 1960s, lung transplantation has become increasingly prevalent in North America and Europe, with more and more countries in Asia now reporting cases of this procedure. Many Asian nations initiated lung transplantation in the 1990s, gained expertise in the 2000s, and have substantially augmented the number of cases performed in the 2010s. As a result, these articles are anticipated to furnish valuable insights for the widespread adoption of lung transplantation.

Despite the potential variances in country and medical environment, the collaborative effort of experts in diverse fields is a necessary requirement for the successful completion of lung transplantation, which entails fostering mutual affection and trust between colleagues. It is with great honor and privilege that I have been granted the opportunity to write the preface of this textbook. Our aspiration is for this book to serve as a valuable reference for students and clinicians in the area of lung transplantation, facilitating the ongoing advancement of this field, which is in a constant state of evolution.



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