

Lung transplantation has evolved over 40 years to become a widely available, feasible and successful therapy for end-stage parenchymal and vascular lung diseases. As first practiced this was a surgical procedure performed on young patients with a single system problem. In the 2020's we now see lung transplantation as a therapeutic long-term pathway where the actual procedure is only a relatively small part and eligibility encompasses a wide range of diseases and ages.

The screening of potential transplant recipients now recognises the need to carefully assess medical comorbidities including: kidney, heart, psychosocial issues and the features of ageing. These assessments aim to optimize, or at least understand, how these co-morbid processes will interact and play out over the many years of extra life now routinely gained post-transplant.

The sophistication of tools for screening and assessment of potential lung donors has dramatically expanded in an attempt to fill the ever-constant gap between donor lung supply and demand for quality transplantable organs.

Improvements in cardiorespiratory support of ill recipients in the form of a mechanical bridge to successful transplantation is complex and resource intense, but actually routine now.

The management of early and long-term complications following lung transplantation is now mandatory core knowledge for all levels of transplant follow-up clinic staff.

This current *Lung Transplantation* textbook is a collection of reviews and perspectives, undertaken by experts in the field working in renowned centers across the world. The topics represent important insights into both big-pictured and nuanced focussed lung transplant areas of controversy. The book is divided into several sections including: a big-picture overview of the 'Current status of lung transplantation', focused 'Lung donor' and 'Operative surgical considerations' and common general 'Postoperative issues'. In so doing, this describes the whole transplant journey.

These reviews will provide a useful clinical update to junior and senior medical, surgical and anesthetic practitioners, perfusionists, transplant coordinators, pharmacists and scientists interested in lung transplantation. Significant clinical data is also included and provides a perfect opportunity to benchmark the expert results presented with the reader's local practice.

I am honoured and pleased to preface this work. It provides an opportunity to highlight an informative example of international collaboration, publishing expertise and evolving clinical science.



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