

Lung and heart–lung transplantation is a continuous and exciting evolving field.

This comprehensive textbook provides an in depth, contemporary review of all current challenges and developments.

The textbook covers the journey a recipient follows:

- ❖ Clinical indications;
- ❖ Multidisciplinary approach and decision making, including borderline indications and recipients;
- ❖ Surgical approaches;
- ❖ Post – operative management (immediate and long term);
- ❖ Common and rarer complications;
- ❖ Mechanical circulatory support as bridge to transplantation, or, recovery post surgery.

From donor aspect, the book acknowledges the current crisis and ways of donor management and optimisation in order to increase organ utilization of extended criteria donors.

Organ machine perfusion role is well described, covering the current strategies of both mobile (dynamic perfusion) and static (Ex vivo lung perfusion – EVLP) organ perfusion. The indications and techniques are detailed, as well as in-situ normothermic regional perfusion (NRP), thoraco-abdominal and abdominal only.

Non invasive monitoring of lung transplantation approach in the form of lung ultrasound is an emerging new, simple and available technology which has the potential of better monitoring transplant recipients.

It's an honour and pleasure to provide the preface to this textbook, which is the result of the effective cooperation between Colleagues, with a marked interest in this subject, and the AME Publishing team, which have taken care of the editing process. This is, by far, one of the most across-the-board books in the field of cardiothoracic transplantation. I believe that many will benefit from this interesting reading – nurses and medics, intensive care and anaesthetists, physicians and surgeons, donor and recipient coordinators, and, those at the beginning of their career or those who wish to refresh their knowledge.

Some of the best experts in this field have joined forces to write this book, resulting in a highly enjoyable read!



Marius Berman

**Marius Berman, MD, FRCS (CTh)**  
Consultant Cardiothoracic and Transplant Surgeon,  
Papworth NORS (National Organ Retrieval Service) Lead,  
Associate UK Clinical Lead Organ Retrieval–NHSBT,  
Royal Papworth Hospital NHS Foundation Trust,  
Cambridge Biomedical Campus, Cambridge, CB2 0AY, United Kingdom