

## Appendix 1 Variables used in the regression analysis model

### Baseline demographics:

- Gender
- Age at time of transplant
- Body mass index (BMI)
- Co-morbidities (Recipient diabetes and hypertension)
- Lung allocation score (LAS)

### Diagnosis indication for lung transplantation:

- Obstructive lung disease
- Pulmonary vascular disease
- Suppurative lung disease
- Restrictive lung disease
- Redo transplant

### Peri-operative variables:

- Bridging to lung transplant: on mechanical ventilation or

extracorporeal membrane oxygenation (ECMO)

- Lung transplant procedure: bilateral or single, primary or redo, cardiopulmonary bypass usage and duration, concomitant cardiac procedures
- Donor data: type (brain dead or donation after cardiac death/DCD), donor age, donor gender

### Postoperative variables:

- ECMO placed after lung transplant
- Primary graft dysfunction (PGD) grades
- Re-exploration for bleeding
- Dialysis after lung transplant
- Airway complications requiring stent placement
- Acute rejection
- Chronic rejection