SETUP ("WHAT TO DO, Part 1")

Airway
- DLT, left sided
- Fiberoptic cart
- CPAP setup

Monitors
- Triple transducers
- Cerebral oximeters
- Introducer/Central line
- TEE (ordered by circulator)

Medications
- iNO
- Mycophenolate (order)
- Basiliximab (order)
- Albumin (order)
- Vancomycin (order)
- Ceftriaxone
- Heparin
- Amicar/TXA
- [Induction, vasoactive infusions]

- PRBC, FFP (ordered by surgery)

PREOP ("WHAT TO KNOW")

Indication/Disease history

Anesthesia/airway history

Oxygen requirement
- Ventilation support/ECLS

Cardiac: including RV function, PHTN

Labs: including coagulation, CMV?

Preoperative medications
- Pulmonary vasodilator(s)
- Anti-coagulation

PLANNING ("WHAT TO ASK")

- PA measurement? (ask the surgeon)
- Additional anti-microbial (Time Out)

Preinduction access?

Pre-transplant iNO?

Planning ECLS?

INTRAOPERATIVE ISSUES ("WHAT TO DO, Part 2")

- Baseline cerebral saturation

A-line
- Baseline ABG (pre-induction), ACT

Induction & Fiberoptic confirmation of DLT
- BAL (Pre) for research
- ABG (post induction)

Central line
- 50mL blood for research

Medications (post induction)
- Mycophenolate 1000mg over 2 hours
- Basiliximab 20mg over 20 minutes
- Vancomycin 1gm slowly
- Ceftriaxone 1gm

Exposure
- Preemptive volume loading (1-2L albumin)
- Watch for heart compression
- One lung ventilation ± CPAP

PA (test) clamp
- Echo and hemodynamics
- Inotrope support
- Heparin (3000-5000 units)

ECLS (if necessary)
- Amicar 10g load (20-30 minutes)
- Tranexamic acid 30mg/kg load
- Heparin (discuss dose for ECMO vs. CPB)
- Consider IV anesthesia (propofol)

Methylprednisolone
- 500mg before reperfusion (lung #1)
- 500mg before reperfusion (lung #2)

Ventilation for donor lung
- FiO2 ≤0.6; PEEP ≤6; Vt ≤3-4ml/kg

Furosemide for pulmonary edema?

Transfusion
- Discuss with surgeon re: threshold
- CMV neg blood for CMV neg recipient

Single lumen endotracheal tube (≥7.5)
- Exchange during closure