

## 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 status

Preoperative medications

- Pulmonary vasodilator(s)
- Anti-coagulation

## PLANNING ("WHAT TO ASK DURING TIME OUT")

Preinduction access?

Pre-transplant iNO?

### TIME OUT

- ☐ Intraop PA measurement?
- ☐ Additional anti-microbial
- ☐ 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  $\pm$  CPAP

### PA (test) clamp

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

### ECLS (if necessary)

- Amicar 10g load (20-30 minutes)
- OR Tranexamic acid 30mg/kg load
- Heparin (discuss dose for ECMO vs. CPB)
- Heparin infusion (50 units/mL)
- Consider IV anesthesia (propofol)

### Methylprednisolone

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

### Ventilation for donor lung

- $\text{FiO}_2 \leq 0.6$ ;  $\text{PEEP} \leq 6$ ;  $\text{Vt} \leq 3\text{-}4\text{ml/kg/lung}$

### Furosemide for pulmonary edema?

### Transfusion

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

### Single lumen endotracheal tube ( $\geq 7.5$ )

- Exchanged before separation from ECMO
- Bronchoscopy

