



Abbreviations (laboratory & radiology excluded):

CICU = Cardiac Intensive Care Unit
CVOR = Cardiovascular Operating Room
PONV = Post operative nausea and vomiting

Preoperative Goals For Thoracotomy Surgery

Arrival to Same Day Surgery for check in

Preoperative Care

- Carbohydrate-rich drink up to 2 hours before surgery
- Anxiolysis
 - Midazolam per anesthesia team

Prior to surgery patient/family meets

- Pre-op nurse
- Anesthesiologist
- Surgeon
- Child Life Specialists

Transfer to OR

Intraoperative Goals For Thoracotomy Surgery

Prevention of Postoperative Delirium:

- Dexmedetomidine infusion 1 mcg/kg/hr (to be decreased to ≤ 0.5 mcg/kg/hr before leaving OR)

Prevention of Postoperative Nausea/Vomiting:

- IV dexamethasone (0.1mg/kg)
- IV ondansetron (0.15 mg/kg)
- * For patients aged 2 and older

Multimodal Analgesia:

- Fentanyl boluses prn
- Avoid long-acting opioids (morphine and hydromorphone)
- IV acetaminophen: 12.5 mg/kg (max 1000 mg)
- Erector spinae plane (ESP) block
 - Single shot vs catheter in older (>5 yo) patients

Muscle Relaxants:

- Reversal of muscle relaxant prior to leaving operating room (sugammadex or neostigmine/glycopyrrolate)
- Spontaneous ventilation upon arrival to CICU

Temperature Management:

- Achieve normothermia (36 to 38 C) prior to leaving operating room

Prior to leaving the OR for CICU

- Pre-Transport Timeout with CVOR RN
 - Dexmedetomidine decreased?
 - PONV prophylaxis?
 - IV acetaminophen?
 - Muscle relaxant reversed?

Transfer to CICU

Algorithms:

- [Prior to Surgery](#)
- [Intraop - Bypass](#)
- [CICU](#)
- [Inpatient](#)