

## Enhanced Recovery After Thoracic Surgery Protocol

### Preoperative:

- 20 oz. Gatorade 2-3 hours prior to induction of anesthesia
- Gabapentin 600 mg, Celebrex 200 mg, Acetaminophen 975 mg

### Intraoperative:

- Ketamine 0.5 mg/kg IV on induction
- Ketamine gtt (0.1-0.3 mg/kg/hr) until 45 minutes prior to the end of surgery
- Serratus anterior plane nerve block (1 mg/kg 0.25% Bupivacaine) prior to incision
- Judicious use of opioids
- OLV tidal volumes of 5 ml/kg of IBW plus PEEP  $\geq$  5 cm H<sub>2</sub>O
- Lactated ringers (2-3 ml/kg/hr) plus replacement for blood or exudative loss

### Postoperative:

- Intercostal nerve blocks (1 mg/kg 0.25% Bupivacaine) performed by surgeon while closing
- Continued multimodal analgesic approach with acetaminophen/NSAIDs/gabapentin
- Ketamine gtt (0.1-0.3 mg/kg/hr) for 24-72 h post-operatively in thoracotomy and/or opioid-dependent patients