4.1 Anesthesia for Organ Transplant

INSTRUCTIONAL OBJECTIVES

1. To understand basic Pathophysiology of end stage renal and hepatic disease and
   anesthetic management of transplant surgery.

4.4 Anesthesia for Neonatal Surgery

INSTRUCTIONAL OBJECTIVES

1. To identify common pediatric surgical pathologies
2. To review anesthesia management of common neonatal emergencies
3. To identify the unique physiological responses to surgery and anesthesia in neonates

4.4 Review questions

Case 1: 

4 year old (34 week adjusted gestation age) white female presents with
esophageal Artesia and distal TEF.

Discuss: Preoperative evaluation and anesthesia management

Case 2

Former 26 week preemie for BIH (adjusted gestational age 41 weeks currently). Patient is home
and doing well, no recent medical history. Discuss important elements of past medical history and
anesthetic management (general Vs. regional anesthesia)
2.2 Intra-operative Anesthesia Techniques

INSTRUCTIONAL OBJECTIVES

1. To learn key elements of pediatric airway history and physical examination

2. To review frequently encountered pediatric airway pathophysiology and anesthesia management

2.2 Review Questions

8 year old female presents to OR for urgent DL/Bonc, secondary JLP. Patient has been hospitalized and NPO 9 hours, currently patient has moderate respiratory distress (RR =36, \(\text{SaO}_2\) =94, quiet and diaphoretic. Discuss anesthetic management including induction techniques and use of jet ventilation.