PBLD #13 – 9 month old Lap Nissen – Aspiration

1. Goals:
   - Understand the common clinical presentations and indications of an infant for a fundoplication.
   - Identify and optimize the perioperative issues associated with such presentations.
   - Recognize the benefits and concerns that emanate from the surgical intervention.
   - Describe anesthetic options.
   - Define a perioperative anesthetic plan.
   - Address potential perioperative problems.
   - Consolidate and summarize experience.

2. Case:
   Pt is a 9 mo old 6.8 kg female with history of moderate to sever GERD manifested by recurrent aspiration pneumonias and FTT that has failed medical management. Her history is also notable for reactive airway disease. Pt has no drug allergies. She is currently on a prokinetic medication, H2-antagonist, proton pump inhibitor, as well as PRN steroid and beta agonist inhalers. She is referred for an anesthesia consultation one week prior to her scheduled laparoscopic Nissen fundoplication.

3. Discussion Outline:

   I. Clinical presentation:
      A. GERD
         i. Recurrent Aspiration
         ii. FTT
         iii. Respiratory Disease
      B. Other common coexisting diseases

   II. Indications for Operation

   III. Patient Optimization - Anesthesia Consultation:
      A. GERD
      B. Respiratory Disease
      C. Nutrition

   IV. Intraoperative Management:
      A. Induction options
      B. Maintenance
      C. Intraoperative issues
         i. Pneumoperitoneum
            a. Hemodynamic issues
            b. Pulmonary issues
            c. Other complications
      D. Emergence and postoperative plan

   V. Postoperative Issues
4. References: