Calculus Disease, Laparoscopy, Robotics & Upper Tract Obstruction,

1. **Upper Tract Obstruction**
    a. UPJ obstruction
        i. Dx and management
    b. Retroperitoneal Fibrosis
        i. Dx, management- surgical and medical
    c. Ureteral strictures and fistulas post endoscopy
        i. Dx and management
    d. Complications of long term indwelling ureteral stents
2. **Renal and Ureteral Calculi**
    a. Dx- including metabolic evaluation
    b. Rx
        i. All forms, SWL, PCN, ureteroscopy, etc
        ii. Medical therapy for underlying metabolic abnormalities
    c. Recommended follow-up following stone extraction
3. **Complications of PCN, ECSWL, Laparoscopy and Robotics**
    a. Ureteral stricture post ureteroscopy Dx and Rx
    b. Ureteral perforation: Dx and Rx
    c. PCN complications
        i. Bleed
        ii. Bowel perforation
        iii. Urinoma
    d. ECSWL- complications
    e. Robotic complications
        i. Diminished blood flow
        ii. Reduced urine output
        iii. Air embolism
        iv. Complications of trocar placement