

Transrectal Ultrasound Guided Drainage for Treatment of Prostate Abscess

Introduction and Objective: We report the efficacy of transrectal ultrasound (TRUS) guided drainage for treatment of prostate abscess.

Materials and Methods: Between Jul 2009 and Feb 2012, three patients underwent TRUS guided drainage for prostate abscess. The demographic data, surgical procedure record, post-operative findings and subsequent management were reviewed retrospectively.

Results: All three patients were presented with fever and urosepsis. Except for one patient, 82-year-old had refractory retention of urine on Foley for one week; the other two had neither preceding lower urinary tract symptoms nor urinary tract infection. Clinical diagnosis was established on digital rectal examination findings and confirmed with computed tomogram. TRUS guided drainage of prostate abscess was preformed with anesthetic gel without indwelling catheter. E.coli was cultured from urine, blood and prostate abscess. All three patients recovered well and no repeated drainage was needed.

Conclusions: Exact method of drainage of prostate abscess still remains controversial but the TRUS route is easy to perform and has low morbidity. Although our case series was small, TRUS guided drainage of prostate abscess was shown to be effective.