

Gento Urinary Surgery :

POST GRADUATE DEGREE STANDARD

Basic Sciences and Investigative Urology

1. Surgical Anatomy
2. Renal Physiology
3. Neuro Physiology of Bladder & Pathophysiology Voiding Dysfunction
4. Renal Pathology
5. Immunology of Renal Transplantation
6. Applied Molecular genetics and Biology
7. Embryology & Congenital anomalies of Renal Tract
8. Reproductive Biology & Physiology of Reproduction.
9. Pathophysiology of Urinary tract obstruction
10. Evaluation of Urologic Patients
11. Instrumentation and Endoscopy
12. Urinary tract imaging and intervention
13. Physiology of erection and pathophysiology of Erectile dysfunctions
14. Cancer Biology

PAPER - II

Clinical Urology and Practice of Urology and Recent Advances

1. Infection of the Urinary tract, prostate, kidney, bladder, urethra - Specific and non specific sexually transmitted diseases and Acquired Immuno Deficiency Syndrome, fungal Infection.
2. Obstruction Urinary tract - Investigation and management(kidney,Urether Bladder, Prostate and Urethra)
3. Urinary Lithiasis - Investigation and Management (Open surgical, Endo Urological, Shock-wave Litho tripsy and Laprascopic Surgery)

4. Voiding dysfunction in male and female including Neurogenic Bladder management. (Urinary incontinence in female and Urinary fistula)
5. Reproductive function and dysfunction management of male Infertility and Erectile dysfunction including surgical management including undescended Testis, Priapism.
6. Benign Hyperplasia of Prostate, Epidemiology, Etiology, Pathophysiology, Natural History, Diagnosis of BHP, Non Surgical Management, minimally invasive treatment (Laser, Balloon dilatation hyperthermia, Stents, Needle ablation) TURP and newer modalities and Open Prostatectomy)
7. Pediatric Urology: Investigation & Treatment of including oncology, Posterior Urethral Valve, Anomolites in urethra, reflux and megacystis, Extrophy, Epispadias complex, Hypospadias, Sexual differentiation and Surgical management of Intersex, Pediatric oncology - Wilm's tumour, Neuro Blastoma and testicular tumour.
8. URO ONCOLOGY: Diagnosis treatment and Recent Advances, Renal Tumours, including other modalities, Urothelial tumour of Urinary tract, (Pelvis, Ureter and Bladder) Neoplasm of Testis and Penis, Carcinoma of the Prostate.
9. Endo Urology and Laparoscopy of Upper Urinary tract, (PCNL, Uretero Renoscopy)- Adrenal Pathologies and management.
10. Genito Urinary Trauma - Investigation , treatment including Post Traumatic stricture Urethra.
11. Use of Intestinal Segments in Urology and Continent Urinary diversions. 12. Recent Advances - Gene Therapy in oncology, congenital anomalies and Renal transplantation.
13. Renal Transplantation - Live and Cadaver Donor Nephrectomy, Recipient Surgery, Complication of Renal Transplant and Management.
14. Renovascular Hypertension and Other Renal Vascular diseases.