Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 23-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – I

QP Code: 9161

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Write briefly about the Arterial supply of the Kidney and its applied Anatomy.
2. Write briefly about the Physiology of Erection.
3. Immune Check point blockade in Genitourinary cancers.
4. Tacrolimus.
5. Neural control of the Lower urinary tract.
6. Anticholinergic Receptor Blockers.
7. Xanthogranulomatous Pyelonephritis.
8. Urinary tract infections during Pregnancy.
9. Hereditary Renal cancer.
10. Gleason score in Carcinoma Prostate.

M.Ch. Degree Examination – 25-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – II

QP Code: 9162

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Discuss the role of Cystoscopy in the evaluation of hematuria.
2. Discuss the role different imaging Modalities in the diagnosis and for follow up of case of vesicoureteral reflux.
3. Discuss the uses of MRI in the management of genitourinary Malignancy.
4. Discuss different contrast material used for the diagnosis of genitourinary diseases.
5. Discuss the uses of LASER In Urology.
6. Discuss the role of urodynamic evaluations in the management of lower urinary tract symptoms.
7. Discuss the indications for a metabolic stone evaluation and conservative management of stone disease.
8. Discuss nonsurgical focal therapy for renal tumours.
9. Discuss the testing algorithm to evaluate adrenal mass for catacholamine secretion and preoperative medical management in patients with pheochromocytoma.
10. Discuss the role of cystogram in the evaluation of lower tract diseases and surgical management of female urethral diverticula.

Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 27-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – III

QP Code: 9163

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Discuss the important steps in radical Cystectomy and its surgical complications.
2. Discuss the different methods of Laser treatment for Benign Prostatic Hyperplasia with bladder outlet obstruction.
3. Describe the key surgical steps of struder neobladder and commonly employed techniques of ureteroileal anastomosis.
4. Describe the technique of removal of donor kidneys.
5. Discuss the surgical treatment of Varicocele and its complications.
6. Discuss the evaluation and management of undescended testis.
7. Discuss the evaluation and management of genuine stress urinary incontinence.
8. Describe the different techniques of sperm retrieval.
9. Discuss the different surgical technique of distal penile hypospadias.
10. Discuss the endoscopic management of pelvi ureteric junction obstruction.

M.Ch Degree Examination – 30-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – IV

QP Code: 9164

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Role of Multiparametric MRI in prostate cancer
2. Immunological strategies in management of renal carcinoma
3. Green light laser prostatectomy – advantages and disadvantages
4. Recent advances in management of female stress urinary incontinence
5. Future of open surgical procedures in Urology
6. Hemostatic agents and tissue glues in Urology
7. Robotic surgery in Urology
8. Management of stage I seminomatous testicular tumour
9. Firefly technology in Robotic surgery
10. COVID 19 and the Urologist

Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 12-Dec-2023

Time: Three Hours | Max. Marks: 100

Marks

UROLOGY - PAPER – I

QP Code: 9161

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100

1. Types of Hyperparathyroidism, evaluation and management
2. Recognition and management of TUR syndrome
3. Pentosan Polysulfate sodium
4. Resistive index and its role in Urology
5. Contrast Nephropathy
6. DETRUSOR Sphincter Dyssynergia
7. Pathophysiology of acute and chronic obstructive uropathy
8. Role of Cytology in bladder tumors
9. Incidentally detected adrenal tumors
10. Embryology of retrocaval ureters

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M.Ch. Degree Examination – 14-Dec-2023

Time: Three Hours | Max. Marks: 100

Marks

UROLOGY - PAPER – II

QP Code: 9162

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100

1. Describe aetiology and management of post-obstructive diuresis.
2. Describe the management of a patient urgency and urge incontinence.
3. Describe the urological management of a child with neonatally diagnosed Meningomyelocoele
4. Describe the management of a entero-vesical fistula with recurrent pyelonephritis.
5. Describe the basis for the use of different drugs in medical management of BPH.
6. Discuss manifestations, inheritance pattern and role of screening in patients with auto dominant polycystic kidney disease.
7. Discuss implications on Chronic Renal Failure in urologic conditions.
8. Describe the approach to management of a 4.5 cm left renal tumour with pulmonary metasta
9. Discuss options for Intravesical therapy in bladder cancer and its results.
10. Discuss requirements for deferred management of prostate cancer.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.Ch. Degree Examination – 16-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – III

QP Code: 9163

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Early cystectomy in T1G3 transitional cell carcinoma of bladder – Merits and Demerits
2. Describe STING procedure
3. Treatment regimen used in the revised national tuberculosis control programme and important side effects of first-line antituberculosis drugs
4. Evaluation and management of bilateral undescended tests in a post pubertal body
5. Gastrocystoplasty – indications, advantages and disadvantages
6. Renal angiomylipoma – CT findings and management
7. Valve bladder syndrome
8. Etiology, evaluation and treatment of retroperitoneal fibrosis
9. Post TURP incontinence
10. Bipolar versus Monopolar TURP

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M.Ch Degree Examination – 18-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

UROLOGY - PAPER – IV

QP Code: 9164

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Prognostic markers in bladder cancer
2. Clinical importance of Free to total level PSA ratio
3. Management of metastatic renal cell carcinoma
4. PCA 3
5. Role of diffusion weighted MRI imaging in urological cancers
6. Bacterial biofilms in patients with indwelling urinary catheters
7. Role of peri-operative intravesical chemotherapy in carcinoma bladder
8. R.E.N.A.L Nephrometry scoring system
9. Narrow band imaging in Urology
10. Management options for right renal lower calyceal calculus of 1.5 cm is 40 year old male

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