

FEBRUARY - 2007

[KQ 046]

Sub. Code : 1653

M.Ch. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Urology

Paper III — REGIONAL SYSTEMIC UROLOGY

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

1. Discuss the management of biochemical failure after radical prostatectomy in a 65 year old male. (20)
2. Describe the complications and their management in a patient with dominant polycystic kidney. (15)
3. Discuss the pros and cons of international society for pediatric oncology (SIOP) and National Wilm's Tumor Study Group (NWTSG) protocols in Wilm's tumor. (15)

II. Short notes :

(6 × 5 = 30)

1. "PSA Bounce".
2. Gadolinium.
3. Irrigants for TUR – Pros and cons.
4. Ultrasonography in the diagnosis of vesico ureteric reflux.
5. Enumerate the basic differences between pediatric and adult testicular tumors.
6. Algorithm for azoospermia.

[KR 046]

Sub. Code : 1653

II. Short notes :

(6 × 5 = 30)

M.Ch. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Urology

Paper III — REGIONAL SYSTEMIC UROLOGY

Time : Three hours

Maximum : 100 marks

**Theory : Two hours and
forty minutes**

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay questions :

(1) Discuss the management of crippled
Hypospadias. (20)

(2) Discuss the indications and operative
procedures in short for orthotopic bladder substitution.
(15)

(3) Discuss the indications and scope of renal
parenchymol preserving (Nephron sparing) surgery for
renal cell carcinoma. (15)

- (a) Oligozoospermia.
 - (b) Alfuxosin.
 - (c) Yusauf's syndrome.
 - (d) Mitroaanoffs Procedure.
 - (e) Penile Ulcers.
 - (f) Chyluria.
-

August - 2009

[KV 046]

Sub. Code: 1653

M.CH DEGREE EXAMINATIONS

**(Super Specialities)
(Revised Regulations)**

Branch IV – Urology

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays: 2 x 20 = 40 Marks

1. Enumerate the complications of ureteral reimplantation. How do you manage them?
2. Discuss the management of vesico vaginal fistula due to obstetric causes.

II. Write short notes on: 10 X 6 = 60 Marks

1. Abdominal leak point pressure.
2. Partin's tables.
3. Retarded ejaculation.
4. Trapped prostate.
5. Gold blatt type I model kidney.
6. Allograft nephrectomy.
7. Matrix stones.
8. Bevacizumab.
9. Renal cortical adenoma.
10. Tethered cord syndrome.

August 2010

[KX 046]

Sub. Code: 1653

M.CH DEGREE EXAMINATIONS

**(Super Specialities)
(Revised Regulations)**

**Branch IV – Urology
Paper III – REGIONAL SYSTEMIC UROLOGY
Q.P. Code: 181653**

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

2 x 20 = 40 Marks

1. Discuss controversies surrounding Androgen deprivation therapy in prostate cancer.
2. Discuss the differential diagnosis of incidentally detected small renal masses. What are the current recommendations for excision, ablation and observation?

II. Write short notes on:

10 X 6 = 60 Marks

1. Urologic Imaging during pregnancy.
2. Pubovaginal sling.
3. ICU-management of Brain Dead Patient.
4. Prognostic factors in Renal cell cancer.
5. Indiana pouch.
6. Derifinacin vs Oxybutinin.
7. Endopyelotomy.
8. Hormone Resistant Prostate Cancer (HRPC).
9. Post obstructive diuresis.
10. Primary Hyperoxaluria.

August 2011

[KZ 046]

Sub. Code: 1653

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATION
(SUPER SPECIALITIES)**

BRANCH IV – UROLOGY

REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Discuss the Pathogenesis and recent trends in the management of Urinary Tuberculosis. | 11 | 35 | 15 |
| 2. Discuss the management of Renal Trauma following Road Traffic Accident. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Surgical Intervention in Reno – Vascular Hypertension. | 4 | 10 | 7 |
| 2. Post Renal Transplant Lymphocele – Management. | 4 | 10 | 7 |
| 3. Arteriogenic Impotence – Management. | 4 | 10 | 7 |
| 4. Flexible Ureteroscopy. | 4 | 10 | 7 |
| 5. Peri Operative Management of Pheochromocytoma. | 4 | 10 | 7 |
| 6. Circumcaval Ureter – Management. | 4 | 10 | 7 |
| 7. Stuck Foley Catheter – Causes and Treatment. | 4 | 10 | 7 |
| 8. Management of Acute Rejection in live related Donor Kidney Transplantation. | 4 | 10 | 7 |
| 9. Role of Imaging in Cryptorchism. | 4 | 10 | 7 |
| 10. Electro Ejaculation. | 4 | 10 | 7 |

[LB 046]

AUGUST 2012

Sub. Code: 1653

M.Ch – UROLOGY

Paper – III REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Evaluation of the living kidney donor and the pathophysiology of chronic rejection.	16	35	15
2. Pathophysiology of erectile dysfunction and the management options.	16	35	15

II. Write notes on :

1. Bulking agents in the management of female SUI.	4	10	7
2. Bioeffects of shock wave lithotripsy.	4	10	7
3. Evaluation and management of asymptomatic microscopic haematuria.	4	10	7
4. Early cystectomy in T1G3 transitional cell carcinoma of the bladder-pros and cons.	4	10	7
5. Tumor markers in bladder cancer.	4	10	7
6. Bladder preservation protocols.	4	10	7
7. Mainz II pouch.	4	10	7
8. Uretero-colonic anastomotic techniques.	4	10	7
9. Role of oxidants in male infertility.	4	10	7
10. Genetic basis of prostate cancer.	4	10	7

M.Ch. – UROLOGY
Paper – III REGIONAL SYSTEMIC UROLOGY
Q.P.Code: 181653

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Describe the pathology, preoperative evaluation and treatment protocol for unilateral and bilateral Wilms' tumor.
2. Describe the metabolic evaluations of recurrent stone former. What precautions and dietary advice would be given for prevention ?

II. Write notes on:

(10X7=70)

1. Millin's prostatectomy.
2. Dorsal lumbotomy-indications and surgical approach.
3. **STING** procedure.
4. Chromophobe Renal cell carcinoma.
5. Urologic manifestations of Diabetes Mellitus.
6. Benckroun procedure.
7. Treatment category, treatment regimen used in the revised national tuberculosis control programme and important side effects of first-line antituberculosis drugs.
8. Detrusor sphincter dyssynergia.
9. Stuttering priapism.
10. Tyrosine kinase inhibitors.

[LF 046]

AUGUST 2014

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMATIC UROLOGY

Q. P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions in the same order.

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the diagnosis, staging and management of renal upper tract Urothelial tumor.
2. Discuss the evaluation and management of bilateral undescended testes in a post pubertal boy.

II. Write notes on:

(10 x 7 = 70)

1. Gastrocystoplasty.
2. Sperm retrieval techniques.
3. Acute Tubular necrosis.
4. Creatinine Clearance.
5. Tumor markers in testicular malignancy.
6. Role of varicocelelectomy in the management of male infertility.
7. Bladder changes in Parkinsonism.
8. Megaureters.
9. Renal angiomyolipoma.
10. Valve-Bladder Syndrome.

[LH 046]

AUGUST 2015

Sub. Code: 1653

M.Ch. – UROLOGY

PAPER III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the evaluation and management of post renal transplant anuria in the immediate post-operative period.
2. Discuss the management of persistently elevated serum PSA after radical prostatectomy in a 70 year old male.

II. Write notes on :

(10 x 7 = 70)

1. Sperm retrieval techniques.
2. Bladder changes in Parkinsonism.
3. Renal angiomyolipoma.
4. Valve-Bladder Syndrome.
5. Gastrocystoplasty.
6. Sertoli Cell only Syndrome.
7. Acute Tubular necrosis.
8. Complications of ESWL.
9. Interstitial Cystitis.
10. Post renal transplant lymphocele.

(LJ 046)

AUGUST 2016

Sub. Code:1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P.Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. The management of inferior venocaval thrombus in a case of Renal Cell Carcinoma (RCC).
2. The pathophysiology and management of various types of priapism.

II. Write notes on:

(10 x 7 = 70)

1. Techniques of percutaneous access for PCNL procedure.
2. Pre-operative and per operative management in a case of pheochromocytoma.
3. Intra vesical instillation of BCG.
4. Premature ejaculation.
5. Detrusor under activity.
6. Ureteral access sheath.
7. Management of midurethral sling mesh perforation into the urinary tract.
8. Nonsurgical management of benign prostatic hyperplasia.
9. 5 α reductase deficiency.
10. Bosniak's classification of renal cysts.

(LL 046)

AUGUST 2017

Sub. Code:1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P.Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathology, etiology, Clinical features diagnostic evaluation and treatment of retroperitoneal fibrosis.
2. Discuss the management of Metastatic Renal Cell Carcinoma.

II. Write notes on:

(10 x 7 = 70)

1. Evaluation and Management of Antenatal Hydronephrosis.
2. Von hippel Lindau disease.
3. Ormond's disease.
4. Dynamic sentinel node Biopsy in Carcinoma penis.
5. Complications and Management of open radical cystectomy.
6. Newer immunosuppressive drugs in organ transplantation. (Renal transplantation).
7. Focal bacterial pyelonephritis (Lobar nephronia).
8. Management of fracture Pelvis Distraction defect (2 cm) at Bulbomembranous urethra with Recto prostatic urethral fistula.
9. Non Transitional Cell Cancer of urinary bladder.
10. Pathogenesis, Clinical importance and Management of Carcinoma in situ urinary bladder.

(LN 046)

AUGUST 2018

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P.Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of post primary chemotherapy residual mass in advanced metastatic mixed germ cell tumor of Testis.
2. Evaluation and management of small renal mass.

II. Write notes on:

(10 x 7 = 70)

1. Management of castrate resistant prostate cancer.
2. Nephron sparing surgery.
3. Management of neurogenic bladder in Parkinsonism patients.
4. Tuberculous cystitis.
5. Management of 30 years male patient with tuberculous thimble bladder, multiple right ureteric strictures and left side stricture at vesicoureteric junction with serum creatinine of 1.6 mgs % following bilateral percutaneous nephrostomy.
6. Auto transplantation.
7. Hyperkalemia in chronic kidney disease patients.
8. Non Neurogenic, Neurogenic bladder.
9. Xanthogranulomatous pyelonephritis.
10. Management of complex Vesico vaginal fistula.

(LP 046)

AUGUST 2019

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Elaborate on the pathophysiology, diagnosis and management of pheochromocytoma.
2. Elaborate on the evaluation and management of genitourinary fistulae.

II. Write notes on:

(10 x 7 = 70)

1. Hemospermia.
2. Management goals for the spina bifida neurogenic bladder.
3. Retrocaval ureter.
4. Castration resistant prostate cancer.
5. Pretransplant nephrectomy.
6. Nocturnal enuresis.
7. Minimally invasive management of benign prostatic hyperplasia.
8. Isotope renogram.
9. Mixed gonadal dysgenesis.
10. Urachal carcinoma.

(LQ 046)

FEBRUARY 2020

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Evaluation and Management of Biochemical recurrence after radical radiotherapy for localized prostate cancer and another patient following radical prostatectomy.
2. Predisposing factors and Management of complications related to use of synthetic mesh in the management of Stress Urinary Incontinence and Pelvic organ prolapse repair.

II. Write notes on:

(10 x 7 = 70)

1. Latzko procedure.
2. Pathophysiology, evaluation and Management of Male incontinence.
3. Pre Operative evaluation and feminizing genital reconstruction in congenital adrenal hyperplasia.
4. Abiraterone acetate.
5. Groin reconstruction after inguinal block dissection for metastasis to the inguinal lymph nodes for carcinoma penis.
6. Disseminated intravascular coagulopathy.
7. Extra adrenal pheochromocytoma.
8. Yolk sac tumor.
9. Intractable renal haemorrhage.
10. Image guided surgery in Urology.

(LR 046)

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the management of metastatic renal cell carcinoma.
2. Natural history of benign prostatic hyperplasia and the principles of its medical management.

II. Write notes on:

(10 x 7 = 70)

1. Serum PSA
2. Retarded ejaculation.
3. Hemorrhagic cystitis
4. Urological imaging during pregnancy
5. Pubovaginal sling
6. ICU management of brain dead patient
7. Post renal transplant lymphocele
8. Flexible ureteroscopy
9. Circumcaval ureter management
- 10 .Imaging in cryptorchidism.

(MCH 0821)

AUGUST 2021

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of Inferior vena caval thrombus in a case of renal cell carcinoma.
2. Enumerate the complications of ureteral reimplantation and their management.

II. Write notes on:

(10 x 7 = 70)

1. Tumor markers in bladder cancer.
2. Genetic basis of prostate cancer.
3. Sperm retrieval techniques.
4. Renal papillary necrosis.
5. Tumor markers in testicular malignancy.
6. Mega ureters.
7. Techniques for percutaneous access for PCNL procedure.
8. Intravesicular instillation of BCG.
9. Bosniak's classification of renal cysts.
10. Von hippel lindau disease.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1653

M.Ch. – UROLOGY

Paper III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Management of Localised Cancer Prostate.
2. Evaluation and management of small renal mass.

II. Write notes on: **(10 x 7 = 70)**

1. Differential diagnosis and evaluation of turbid urine.
2. Rocco stitch.
3. LHRH antagonist.
4. Management of Ta bladder tumor.
5. Management of relapsing non seminomatous germ cell tumors.
6. Dynamic sentinel lymph node biopsy in Cancer Penis.
7. Medical management of Overactive Bladder.
8. Diagnostic criteria for interstitial cystitis.
9. Medical management of ischemic priapism.
10. Grading of Urinary bladder trauma and management of intraperitoneal bladder injury.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1653

M.Ch. – UROLOGY

PAPER III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Discuss the diagnosis, staging and management of Upper Urinary Tract Urothelial Tumours.
2. Discuss the etiology, pathology, diagnosis and treatment of Retroperitoneal fibrosis.

II. Write notes on: **(10 x 7 = 70)**

1. Focal Bacterial Pyelonephritis (Lobar Nephronia).
2. Non Transitional cell carcinoma of Urinary Bladder.
3. PFUDD – Pelvic Fracture Urethral Distraction Defect Management.
4. Complications and management of Open Radical Cystectomy.
5. Tuberculous cystitis.
6. Xanthogranulomatous Pyelonephritis.
7. Management of Complex Vesicovaginal fistula.
8. Effects of Parkinsonism on urinary tract and its management.
9. Pretransplant nephrectomy.
10. Diuretic Renogram.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1653

M.Ch. BRACH IV – UROLOGY

PAPER III – REGIONAL SYSTEMIC UROLOGY

Q.P. Code: 181653

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. Elaborate the presentation, evaluation and management of Genito-Urinary fistulas.
2. Natural history, pathophysiology of Benign prostatic hyperplasia and the principles of medical management.

II. Write notes on: **(10 x 7 = 70)**

1. ADPKD.
2. DMSA Renogram.
3. Von Hippel-Lindau disease.
4. Bipolar Enucleation of the Prostate.
5. Hinman syndrome.
6. Prevention of contrast induced nephropathy.
7. Detrusor Sphincter Dyssynergia.
8. Buschke-Lowenstein tumor.
9. MRKH Syndrome.
10. Renal Angiomyolipoma.
