

APRIL - 2001

[KD 047]

Sub. Code : 1654

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch IV — Genito Urinary Surgery

(Revised Regulations)

Paper IV — RECENT ADVANCES IN GENITO  
URINARY SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the prognostic markers in cancer of urinary bladder. (25)
2. Discuss the basic principles and clinical applications of positron emission tomography in urological Malignancies. (25)
3. Short notes on : (5 × 10 = 50)
  - (a) Mycophenolate mofetil
  - (b) Reverse transcriptase polymerase chain reaction
  - (c) Nilutamide
  - (d) Patient controlled analgesia
  - (e) Intra operative sonography of the kidneys.

NOVEMBER - 2001

[KE 047]

Sub. Code : 1654

**M.Ch. DEGREE EXAMINATION**

(Higher Specialities)

(Revised Regulations)

Branch IV — Genito Urinary Surgery

**Paper IV — RECENT ADVANCES IN GENITO  
URINARY SURGERY**

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss the pathology, aetiology, clinical features and treatment of retroperitoneal fibrosis. (25)
  2. Discuss the clinical implications of the ratio of free to total PSA level. (25)
  3. Write briefly on : (5 × 10 = 50)
    - (a) Atypical mycobacteria
    - (b) Ovarian vein syndrome
    - (c) Nephrogenic adenoma
    - (d) Calyceal diverticulum
    - (e) Renal Hypoplasia.
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**MARCH - 2002**

**[KG 047]**

**Sub. Code : 1654**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch IV — Genito-Urinary Surgery**

**Paper IV — RECENT ADVANCES IN GENITO-  
URINARY SURGERY**

**Time : Three hours**

**Maximum : 100 marks**

**Attempt ALL questions.**

1. Discuss the management of Metastatic Renal Cell Carcinoma. (25)
2. Discuss the role of transrectal ultrasonography in the evaluation of infertile male. (25)
3. Write short notes on : (5 × 10 = 50)
  - (a) Total Alloplastic replacement of urinary bladder.
  - (b) Acute focal bacterial nephritis.
  - (c) Disseminated Intravascular Coagulopathy.
  - (d) Current status of flow cytometry.
  - (e) Diagnosis of Extra-adrenal pheochromocytoma.

APRIL - 2004

{KK 047}

Sub. Code : 1654

M.Ch. DEGREE EXAMINATION,

(Higher Specialities)

(Revised Regulations)

Branch IV — Genito-Urinary Surgery

Paper IV — RECENT ADVANCES IN GENITO -  
URINARY SURGERY

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.

A. Essay :

(2 × 15 = 30)

(1) Discuss the role of Sacral Neuro modulation in the treatment of urgency-frequency symptoms and also describe various effective surgical procedures for stress urinary incontinence in females.

(2) Present Scenario and future scope of Laparoscopic surgery in urology.

B. Write short notes on :

(10 × 5 = 50)

- (1) Genomes in Urology.
- (2) Renal medullary carcinoma.
- (3) Bladder cancer with gross positive nodes in pelvis.
- (4) Complications of orthotopic bladder.
- (5) Interstitial Brachy therapy in Ca. prostate.
- (6) Cialis (Tadalafil).
- (7) Tamsulasin.
- (8) Lasers its application in Urology.
- (9) Immunotherapy for superficial T.C.C. bladder.
- (10) Hormonic scalpel.

**AUGUST - 2004**

**[KL 047]**

**Sub. Code : 1654**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch IV — Genito-Urinary Surgery**

**Paper IV — RECENT ADVANCES IN GENITO -  
URINARY SURGERY**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and**

**Theory : 80 marks**

**forty minutes**

**MCQ : Twenty minutes**

**MCQ : 20 marks**

**Answer ALL questions.**

**I. Essay Questions :**

**(2 × 15 = 30)**

**(1) Discuss the role of Gene Therapy in the management of Urological Malignancy.**

**(2) Discuss in detail the Laproscopic live donor Nephrectomy.**

**II. Write short notes :**

**(10 × 5 = 50)**

**(a) Biodegradable urethral stents .**

**(b) Holmium Laser.**

**(c) Acucise Endopydotomy.**

**(d) Management of steinstrasse.**

**(e) Newer Tumor markers in bladder cancer.**

**(f) Robotc surgery in Urology.**

**(g) Status of non contrast Enhanced CT in stone disease.**

**(h) Desmopressin.**

**(i) IVF in the management of male infertility.**

**(j) Hemospermia.**

FEBRUARY - 2005

[KM 047]

Sub. Code : 1654

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch IV — Genito-Urinary Surgery

Paper IV — RECENT ADVANCES IN GENITO-  
URINARY SURGERY

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :    (2 × 15 = 30)

(1) Describe the approach taken for a two year old child who presents with bilateral Wilm's Tumour.

(15)

(2) What is your evaluation of an 8 months old boy who presents with scrotal mass that does not transilluminate.

(15)

II. Short notes :    (10 × 5 = 50)

(a) The difference between urinary colonization and urinary infection.

(b) Mitrofanoff principle.

(c) International classification of vesico ureteric reflux.

(d) Classification Wide (Mega) ureters — Give examples.

(e) Enumerate the differences between autosomal recessive polycystic kidney disease and autosomal dominant polycystic kidney disease.

(f) Bilateral renal agenesis.

(g) The developmental anomaly in bladder exstrophy.

(h) Renal vein rennin assay.

(i) Pathological classification of renovascular disease.

(j) Write an algorithm for the evaluation of an incidentally found adrenal mass.

FEBRUARY - 2006

[KO 047]

Sub. Code : 1654

M.Ch. DEGREE EXAMINATION.

(Revised Regulations)

Branch IV — Genitourinary Surgery

Paper IV — RECENT ADVANCES IN  
GENTOURINARY SURGERY

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.

Draw suitable diagrams wherever necessary.

I. Essay questions : (2 × 15 = 30)

(1) Immunologic strategies in the management  
of Renal and Prostatic carcinoma.

(2) Tissue engineering in urology.

II. Short notes : (10 × 5 = 50)

(a) Mercapto Acetyl Triglycine

(b) Intra cytoplasmic sperm injection

(c) Duloxetine

(d) Laparoscopic ureteral reimplantation

(e) Diagnosis of interstitial cystitis

(f) Cryo ablation in carcinoma prostate

(g) Atypical mycobacteria

(h) Urinary Ascitis in paediatric patients –  
management

(i) Complications of penile prosthesis

(j) Radio frequency ablation in urology.

**AUGUST - 2006**

**[KP 047]**

**Sub. Code : 1654**

**M.Ch. DEGREE EXAMINATION.**

**(Revised Regulations)**

**Branch IV — Urology**

**Paper IV — RECENT ADVANCES IN  
GENITOURINARY SURGERY**

**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.**

**Draw suitable diagrams wherever necessary.**

**I. Essay :**

**(1) Discuss ideal modern urodynamic laboratory. (20)**

**(2) Nephron sparing surgery for R.C.C. (15)**

**(3) Describe the advances in last 10 years in the field of minimally invasive surgery in urology. (15)**

**II. Write short notes on :**

**(6 × 5 = 30)**

**(a) Recent trends in treatment of advanced carcinoma kidney.**

**(b) Docetaxil – indication and results.**

**(c) Papamycin – mechanism of action and indication.**

**(d) PET in urological malignancy – indication.**

**(e) Advantage of MAG-3 over other agents in renal scanning.**

**(f) Green light laser prostatectomy – Advantage and disadvantage.**





August - 2009

[KV 047]

Sub. Code: 1654

**M.CH DEGREE EXAMINATIONS**

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

**Branch IV – Urology**

**Paper IV – RECENT ADVANCES IN UROLOGY**

*Q.P. Code: 181654*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays: 2 x 20 = 40 Marks**

1. Discuss the molecular mechanism of kidney development.
2. Discuss the role of active surveillance in the management of prostate cancer.

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

1. Carbonic anhydrase IX as a tumor marker in urinary tract tumors.
2. Fluorescent cystoscopy.
3. Neuro endocrine carcinoma prostate.
4. The Medical Therapy of Prostate Symptom study (MTOPS).
5. Sildenafil failure.
6. Frequency doubled double pulse Nd:YAG laser.
7. Intratubular germcell neoplasia.
8. Magnetic resonance lymphography.
9. Oncogenes.
10. Cystatin.

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August 2010

[KX 047]

Sub. Code: 1654

**M.CH DEGREE EXAMINATIONS**

**(Super Specialities)**

**(Revised Regulations)**

**Branch IV – Urology**

**Paper IV – RECENT ADVANCES IN UROLOGY**

*Q.P. Code: 181654*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40 Marks**

1. Discuss the etiology, classification and management of posterior urethral injuries.
2. PDE - 5 inhibitors : current status and future trends.

**II. Write short notes on:**

**10 X 6 = 60 Marks**

1. Ca - in situ urinary bladder.
2. Potassium citrate in urology.
3. Stem cell therapy in urology.
4. Pre-operative preparation and post operative management of phaeochromocytoma.
5. Gram negative septicemia.
6. Hemostatic agents and tissue glues in urology.
7. Acute rejection in Renal transplantation.
8. Bisphosphonates in prostate cancer.
9. Testicular torsion.
10. Marginal kidney donor.

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August 2011

[KZ 047]

Sub. Code: 1654

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

BRANCH IV – UROLOGY

RECENT ADVANCES IN UROLOGY

*Q.P. Code: 181654*

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. Describe the treatment Strategies for High Risk locally advanced Prostate Cancer. | 11 | 35 | 15 |
| 2. How will you evaluate and manage Pediatric Nephrolithiasis?                       | 11 | 35 | 15 |

II. Write notes on :

- |   |   |    |   |
|---|---|----|---|
| 1. Complications of Orthotopic Bladder.                         | 4 | 10 | 7 |
| 2. Newer Tumor Markers in Bladder Cancer.                       | 4 | 10 | 7 |
| 3. Robotic Surgery in Urology.                                  | 4 | 10 | 7 |
| 4. Saline Trans Urethral Resection of Prostate (Saline TURP).   | 4 | 10 | 7 |
| 5. International classification of Vesico - Ureteric Reflux.    | 4 | 10 | 7 |
| 6. Intra Cytoplasmic Sperm Injection.                           | 4 | 10 | 7 |
| 7. Bisphosphonates in prostate cancer.                          | 4 | 10 | 7 |
| 8. Recent Trends in the treatment of Advanced Carcinoma Kidney. | 4 | 10 | 7 |
| 9. Botulinum Toxin in Urology.                                  | 4 | 10 | 7 |
| 10. Biochemical Test in the diagnosis of Pheochromocytoma.      | 4 | 10 | 7 |

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[LB 047]

AUGUST 2012

Sub. Code: 1654

M.Ch – UROLOGY

Paper – IV RECENT ADVANCES IN UROLOGY

Q.P. Code: 181654

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. Etiology and management of bladder diverticulum.	16	35	15
2. Controversies in PSA screening for prostate cancer.	16	35	15
<b>II. Write notes on :</b>			
1. PCA 3.	4	10	7
2. Second TUR in high risk bladder cancer.	4	10	7
3. Three dimensional reconstruction in CT scanning.	4	10	7
4. Role of diffusion weighted MRI imaging in urological cancers.	4	10	7
5. Role of FNAC in a renal mass lesion.	4	10	7
6. Bone metastases in prostate cancer-approach to management.	4	10	7
7. XDR tuberculosis.	4	10	7
8. Steroid free immunosuppression regimen.	4	10	7
9. Current status of antireflux surgery in vesicoureteral reflux.	4	10	7
10. Intravesical treatment for overactive bladder.	4	10	7

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(LD 047)

AUGUST 2013

Sub. Code:1654

**M.Ch. – UROLOGY**  
**Paper – IV RECENT ADVANCES IN UROLOGY**  
*Q.P.Code: 181654*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Describe the primary and salvage cryotherapy for prostate cancer.
2. Describe the role of sacral Neuro modulation in the treatment of Urgency-frequency symptoms and also describe various effective surgical procedures for stress urinary incontinence in females.

**II. Write notes on:**

**(10X7=70)**

1. Genomes in urology.
2. Acid-Base metabolic effects of the pneumoperitoneum.
3. Malakoplakia.
4. Rigiscan.
5. Etiologies and management of persistent prostatic Haematuria
6. Bacterial biofilms in patients with indwelling urinary catheters.
7. Role of Endometriosis in urology.
8. Familial and hereditary Renal cancer syndromes.
9. Management strategy for lower urinary tract dysfunction.
10. Genetic basis of male reproductive failure.

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[LF 047]

AUGUST 2014

Sub. Code: 1654

**M.Ch. – UROLOGY**

**Paper IV – RECENT ADVANCES IN UROLOGY**

*Q. P. Code: 181654*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer ALL questions in the same order.**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the evaluation, investigations and management of infertility due to azoospermia in a 28 year old male.
2. Discuss the current status of newer Intravesical agents for BCG refractory bladder cancer.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Urinary markers of Transitional Cell Carcinoma.
2. Role of peri-operative intravesical chemotherapy in carcinoma bladder.
3. Role of tissue engineered autologous urethra in urethral reconstruction.
4. Radical prostatectomy versus watchful waiting in early prostate cancer - current concepts.
5. Alpha blockers in the treatment of BPH.
6. Management of premature ejaculation.
7. Zoledronic acid in Carcinoma prostate.
8. Peyronie's disease.
9. Intercalating agents in Carcinoma bladder.
10. Role of Optical coherence tomography in carcinoma bladder.

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