

**APRIL - 2001**

**[KD 055]**

**Sub. Code : 1754**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**Branch VI — Surgical Gastroenterology and Proctology**

**(Revised Regulations)**

**Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

1. Discuss the current status of pancreas transplantation. (30)
2. Discuss detection and treatment of early gastric cancer. (30)
3. Write notes on : (4 × 10 = 40)
  - (a) Laparoscopic ultrasound
  - (b) Abdominal compartment syndrome
  - (c) Small diameter porta caval shunt
  - (d) Quality-of-life assessment.

**NOVEMBER - 2001**

**[KE 055]**

**Sub. Code : 1754**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VI — Surgical Gastroenterology and Proctology**

**Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. Critically evaluate the role of laparoscopy in the management of gastrointestinal malignancies. (30)
  2. Discuss the role of intestine in the pathogenesis of systemic sepsis and a note on current concepts in enteral nutrition. (30)
  3. Write notes on : (4 × 10 = 40)
    - (a) Telepresence surgery
    - (b) Endorectal ultrasound
    - (c) Duodenum preserving pancreatectomy
    - (d) Gene therapy.
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MARCH - 2002

[KG 055]

Sub. Code : 1754

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VI — Surgical Gastroenterology

Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the Indian perspectives of liver transplantation (30)
2. Discuss adjuvant therapy of squamous cell carcinoma of oesophagus. (30)
3. Write notes on : (4 × 10 = 40)
  - (a) TME/TMR.
  - (b) TIPSS.
  - (c) Somatostatin
  - (d) EUS.

APRIL - 2004

[KK 055]

Sub. Code : 1754

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VI — Surgical Gastroenterology and Proctology

Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY

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 evolving trends in the role of surgery in acute pancreatitis.

(2) Evaluate the laparoscopic management of GI cancers.

B. Write short notes on :

(10 × 5 = 50)

- (1) Immunonutrition.
- (2) Virtual colonoscopy.
- (3) Cancer vaccines.
- (4) Cox-Z inhibitors in gastroenterology.
- (5) Biological therapies in inflammatory bowel disease.
- (6) Clinical pathways in surgery.
- (7) Radio frequency ablation in GI surgery.
- (8) Sentinel node in GI malignancies.
- (9) Bio feedback in GI disease
- (10) PET scan.

**AUGUST - 2004**

**[KL 055]**

**Sub. Code : 1754**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VI — Surgical Gastroenterology and Proctology**

**Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY**

**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 :**

**(2 × 15 = 30)**

**(1) Discuss the progress, problems and prospects of chemoprevention of colorectal cancer.**

**(2) Give a brief account of the Intensive Care Measures of Acute Necrotising Pancreatitis.**

**II. Write short notes on :**

**(10 × 5 = 50)**

**(1) Serrated Adenomas.**

**(2) CT colonography.**

**(3) Gastric Pacing.**

**(4) Islet Autotransplantation.**

**(5) Capsule Endoscopy.**

**(6) Energy knives.**

**(7) Probiotics.**

**(8) Gleevec.**

**(9) Pancreatic Tumour Markers.**

**(10) Thrombo elastography.**

FEBRUARY - 2005

[KM 055]

Sub. Code : 1754

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VI — Surgical Gastroenterology and Proctology

Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY

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) Has anything changed in the last 20 years regarding management of pain in chronic pancreatitis with special reference to advances in surgical therapy.

(2) Discuss the evaluation and management of Blunt Abdominal Trauma.

II. Short notes :    (10 × 5 = 50)

- (a) Management of pseudomyxoma peritonei
- (b) Chylothorax
- (c) Screening for colorectal cancers
- (d) Role of Botulinum Toxin in Gastro intestinal surgery
- (e) Local recurrence of Rectal cancer
- (f) Principles of management of large bowel obstruction
- (g) Current developments in the non surgical management of pancreatic cancers.
- (h) Molecular basis of liver regeneration
- (i) Dysphagia
- (j) Radio frequency ablation.

AUGUST - 2006

[KP 055]

Sub. Code : 1754

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VI — Surgical Gastroenterology and Proctology

Paper IV — RECENT ADVANCES IN SURGICAL  
GASTROENTEROLOGY AND PROCTOLOGY

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) Evaluate the role of Endoscopic ultrasound in the diagnosis of upper gastrointestinal disorders. (20)

(2) Discuss the immunology of liver allograft rejection. (15)

(3) Discuss the current status of small bowel transplantation. (15)

II. Write short notes on :

(6 × 5 = 30)

(a) Biofeedback in GI diseases

(b) Genes and GI cancer

(c) Immunonutrition

(d) Electro-cutting devices in surgery

(e) PET scan in evaluation of GI cancers

(f) Activated Protein C (Drotrecogin alfa).

FEBRUARY - 2007

[KQ 055]

Sub. Code : 1754

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VI — Surgical Gastroenterology and Proctology

Paper IV — RECENT ADVANCES IN SURGICAL  
GASTRO-ENTEROLOGY AND PROCTOLOGY

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 current status of Radical Esophagectomy for Esophageal Carcinoma. (20)
2. Discuss Portal biliopathy. (15)
3. Discuss the role of Laparoscopy in the management of GI cancers. (15)

II. Short notes :

(6 × 5 = 30)

1. Domino Liver transplant.
  2. IPMT.
  3. Current status of mechanical bowel preparation in colorectal surgery.
  4. Brain stem death.
  5. Somatostatin Receptor Scintigraphy.
  6. Small bowel diverticulae.
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August-2007

**[KR 055]**

**Sub. Code : 1754**

**M.Ch. DEGREE EXAMINATION.**

(Higher Specialities)

(Revised Regulations)

Branch VI — Surgical Gastroenterology and Proctology

Paper IV — RECENT ADVANCES IN SURGICAL  
GASTRO-ENTEROLOGY AND PROCTOLOGY

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 various localization techniques for pancreatic neuroendocrine tumours. (20)
2. Discuss the recent developments in the treatment of Barrett's oesophagus. (15)
3. Discuss the colorectal cancer surveillance in inflammatory bowel disease. (15)

II. Write Short notes on :

(6 × 5 = 30)

- (a) Gemcitabine
- (b) Infliximab in Crohn's disease
- (c) MR contrast agents
- (d) Intersphincteric resection
- (e) Narrow band imaging
- (f) Small bowel enteroscopy.

August 2008

[KT 055]

Sub. Code: 1754

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VI – SURGICAL GASTROENTEROLOGY AND  
PROCTOLOGY**

**Paper IV – RECENT ADVANCES IN SURGICAL  
GASTRO-ENTEROLOGY & PROCTOLOGY**

*Q.P. Code: 181754*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Discuss the current indications for surgery in inflammatory bowel disease.
2. Discuss the role of endoscopic ultrasound in the assessment of gastrointestinal cancers.

**II. Write short notes on:**

**(10 X 6 = 60)**

1. Role of botulinum toxin in gastrointestinal surgery.
  2. Matrix metalloproteinases and their potential clinical role in GI disorders.
  3. Classification and management principles of pancreatic trauma.
  4. Role of intra-operative ultrasound.
  5. Neoadjuvant treatment in rectal cancer.
  6. Laparoscopic D2 dissection for gastric cancer.
  7. Role of drains in abdominal surgery.
  8. Performance status.
  9. Palliative surgery in obstructive jaundice.
  10. Preoperative colonic preparation.
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**August 2009**

[KV 055]

**Sub. Code: 1754**

**M.Ch. DEGREE EXAMINATIONS**

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

**Branch VI – Surgical Gastroenterology and Proctology  
Paper IV – RECENT ADVANCES IN SURGICAL  
GASTRO-ENTEROLOGY & PROCTOLOGY**

*Q.P. Code: 181754*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40 Marks**

1. Describe the current status of small bowel transplantation.
2. Discuss the current status of management of stones in extra hepatic bile ducts.

**II. Write short notes on:**

**10 X 6 = 60 Marks**

1. Immunology of allograft rejection of liver.
2. Glutamine.
3. Activated protein C (Drotrecogin alfa).
4. Intraoperative ultrasound in GI surgery.
5. Gastric pacing.
6. Capsule endoscopy.
7. Laser-doppler flowmetry.
8. Molecular biology of GIST.
9. Clinical outcome measures.
10. Performance status.

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**February 2010**

**[KW 055]**

**Sub. Code: 1754**

**M.Ch. DEGREE EXAMINATIONS**

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

**Branch VI – Surgical Gastroenterology and Proctology  
(Common to all candidates)**

**Paper IV – RECENT ADVANCES IN SURGICAL  
GASTRO-ENTEROLOGY & PROCTOLOGY**

*Q.P. Code: 181754*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**2 x 20 = 40 Marks**

1. Describe the principles of donor hepatectomy for living related partial liver transplantation.
2. Evaluate the indications and various techniques in bariatric surgery and list the potential complications.

**II. Write short notes on:**

**10 X 6 = 60 Marks**

1. Sentinel node in GI cancer.
2. Immunonutrition.
3. Genetic basis of chronic pancreatitis.
4. Endoscopic interventions in chronic pancreatitis.
5. Postoperative bile leak.
6. Intersphincteric resection.
7. NOTES.
8. Colonic stents.
9. Fast tract surgery in GI surgery.
10. Ischemic preconditioning of liver.

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August 2011

[KZ 055]

Sub. Code: 1754

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

BRANCH VI – SURGICAL GASTROENTEROLOGY AND PROCTOLOGY

RECENT ADVANCES IN SURGICAL GASTRO-ENTEROLOGY  
AND PROCTOLOGY

*Q.P. Code: 181754*

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 current status of NOTES (Natural Orifice Trans Endoscopic Surgery). Describe its advantages and disadvantages and complications. | 11 | 35 | 15 |
| 2. Describe the pathology, clinical presentation and management of Adult Hirschsprung disease.   | 11 | 35 | 15 |

II. Write notes on :

- |  |   |    |   |
|--|---|----|---|
| 1. Short Bowel Syndrome.                   | 4 | 10 | 7 |
| 2. Wandering Spleen.                       | 4 | 10 | 7 |
| 3. G.I. Lymphoma.                          | 4 | 10 | 7 |
| 4. Caustic Pharyngeal Strictures.          | 4 | 10 | 7 |
| 5. Roles of PET scan in gastro enterology. | 4 | 10 | 7 |
| 6. Split liver transplantation.            | 4 | 10 | 7 |
| 7. Surgical options for Morbid obesity.    | 4 | 10 | 7 |
| 8. Enteral nutrition.                      | 4 | 10 | 7 |
| 9. Hilar cholangio carcinoma.              | 4 | 10 | 7 |
| 10. Robotic surgery.                       | 4 | 10 | 7 |

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[LB 055]

AUGUST 2012

Sub. Code: 1754

M.Ch – SURGICAL GASTROENTEROLOGY AND PROCTOLOGY

Paper – IV RECENT ADVANCES IN SURGICAL  
GASTRO-ENTEROLOGY AND PROCTOLOGY

Q.P. Code: 181754

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. Give an account of the present status of Pancreatic Transplantation.	16	35	15
2. Recent advances in Thoracoscopy assisted Oesophageal surgery and discuss the limitations and advantages.	16	35	15

II. Write notes on :

1. Narrow band imaging Endoscopy.	4	10	7
2. New generation of energy sources in G.I.surgery.	4	10	7
3. Role of Immuno histochemistry in micrometastases of lymphnodes in G.I.malignancy.	4	10	7
4. Controversy in case selection for liver Transplant in Hepatocellular carcinoma.	4	10	7
5. PET scan in G.I Surgery.	4	10	7
6. Transjugular Liver biopsy-when & why?	4	10	7
7. What is new in luminal stents?	4	10	7
8. Non-operative management of Secondaries Liver involving both lobes.	4	10	7
9. Thalidomide in G.I.Bleed.	4	10	7
10. Endoscopic management of Gastric antral vascular ectasia .	4	10	7

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**(LD 055)**

**AUGUST 2013**

**Sub. Code:1754**

**M.Ch. – SURGICAL GASTROENTEROLOGY AND PROCTOLOGY  
Paper – IV RECENT ADVANCES IN SURGICAL GASTRO –  
ENTEROLOGY AND PROCTOLOGY**

***Q.P.Code: 181754***

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Pros and cons of Laparoscopic vs Robotic surgery in cancer rectum.
2. Post laparoscopic cholecystectomy histology in a 40 year old lady is reported as adenocarcinoma of the gall bladder – Discuss the management options.

**II. Write notes on:**

**(10X7=70)**

1. Fecal Immunochemical Test – Current scenario.
2. CT Enterography vs MR Enterography in Small Bowel Neoplasms – Discuss the pros and cons.
3. Energy devices in hepatic resection.
4. Enteryx – Indications and Technique.
5. Isolated hepatic perfusion for hepatic cancer – Indications and technique.
6. Minimal access pancreatic necrosectomy – Current evidence.
7. Use of Spyglass in Pancreatic Cancer.
8. Outline the early complications of liver transplantation and its management.
9. High-definition white light endoscopy in Barrett's Esophagus.
10. Discuss the role of Magnetic Esophageal Sphincter in the management of Gastroesophageal reflux disease.

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[LF 055]

AUGUST 2014

Sub. Code: 1754

**M.Ch. – SURGICAL GASTROENTEROLOGY AND PROCTOLOGY**  
**Paper IV – RECENT ADVANCES IN SURGICAL GASTROENTEROLOGY**  
**AND PROCTOLOGY**

*Q. P. Code: 181754*

**Time: Three Hours**

**Maximum: 100 Marks**

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

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Discuss the benefits and Limitations of various Energy devices in Surgery.
2. Discuss the management of an incidentally detected 3 cm cystic lesion in the neck of the pancreas in a 45 year old female.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Moderately severe Acute Pancreatitis.
2. Biological Therapy in Colorectal cancer.
3. Intersphincteric resection.
4. Habr-Gama approach in Colorectal Cancer.
5. Management of Radiation proctitis.
6. Long term complications of liver transplantation.
7. Management of parastomal hernia.
8. Domino Liver transplantation.
9. Current Status of Pancreas transplantation .
10. Short bowel syndrome.

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