

August-2007

**[KR 062]**

**Sub. Code : 1853**

II. Short notes :

(6 × 5 = 30)

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VIII — Vascular Surgery

Paper III — VASCULAR AND ENDOVASCULAR  
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 Questions :

1. Describe the various types of endoleaks. (20)

2. Discuss the clinical utility of intravascular ultrasound. (15)

3. Describe the indications and technique of axillo-femoral bypass. (15)

(a) Self-expandable stents.

(b) Endovascular stent graft in vascular trauma.

(c) Virtual angiography.

(d) Cervical rib.

(e) Raynaud's phenomenon.

(f) Popliteal artery entrapment syndrome.

August 2008

[KT 062]

Sub. Code: 1853

**M.CH DEGREE EXAMINATIONS**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VIII – VASCULAR SURGERY**

**Paper III – VASCULAR & ENDO VASCULAR SURGERY**

*Q.P. Code: 181853*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Discuss endovascular treatment of aortic aneurysms.
2. Discuss type of percutaneous mechanical thrombectomy devices.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Selective catheters in endovascular procedures.
  2. Catheter directed venous thrombolysis.
  3. Angioplasty for CLI.
  4. Cutting ballon angioplasty.
  5. Retrievable IVC filters.
  6. Thrombin.
  7. Intra operative thrombolytic therapy.
  8. Endovascular management of acute PE.
  9. Role of endovascular treatment in vascular injury.
  10. Prevention of contrast induced nephropathy.
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August 2009

[KV 062]

Sub. Code: 1853

**MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS**

**(Super Specialities)**

**Branch VIII – VASCULAR SURGERY**

**(Revised Regulations)**

**Paper III – VASCULAR & ENDO VASCULAR SURGERY**

*Q.P. Code: 181853*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Discuss the endovascular management of acute, complicated type B aortic dissection.
2. Discuss the failure modes of thoracic endografts and describe the methods of prevention and their management.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Types of vena caval filters and their indications.
2. Vascular access for total parenteral nutrition.
3. Trans jugular intra hepatic portosystemic shunt (TIPS).
4. Endovascular management of aorto enteric fistula
5. Endovascular stent graft infection.
6. Madding – Kennedy intra canal shunt.
7. Arterial assist device.
8. Endo leak.
9. Amplatzer vascular plug.
10. Operative vs interventional treatment of ostial renal artery occlusive disease.

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August 2011

[KZ 062]

Sub. Code: 1853

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

BRANCH VIII – VASCULAR SURGERY

VASCULAR AND ENDO VASCULAR SURGERY

*Q.P. Code:181853*

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 in detail about the etiopathogenesis and management of visceral artery aneurysms.          | 11 | 35 | 15 |
| 2. Outline the mechanisms of injury to the retro peritoneal blood vessels and discuss the management. | 11 | 35 | 15 |

II. Write notes on :

- |                                                                 |   |    |   |
|-----------------------------------------------------------------|---|----|---|
| 1. Endotension.                                                 | 4 | 10 | 7 |
| 2. Renovascular renal insufficiency.                            | 4 | 10 | 7 |
| 3. Endograft devices.                                           | 4 | 10 | 7 |
| 4. Complications of Carotid artery stenting and its management. | 4 | 10 | 7 |
| 5. Pre operative vein mapping.                                  | 4 | 10 | 7 |
| 6. Negative Pressure wound therapy.                             | 4 | 10 | 7 |
| 7. Angioplasty Balloon characteristics.                         | 4 | 10 | 7 |
| 8. Non thrombotic complications of Hemodialysis Access.         | 4 | 10 | 7 |
| 9. Pelvic Venous Congestion Syndrome.                           | 4 | 10 | 7 |
| 10. VATS.                                                       | 4 | 10 | 7 |

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[LB 025]

AUGUST 2012

Sub. Code: 1853

M.Ch – VASCULAR SURGERY

Paper – III VASCULAR AND ENDO VASCULAR SURGERY

Q.P. Code: 181853

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 indications for Surgical Repair and Endo Vascular Repair of Abdominal Aortic Aneurysm and outline the merits and demerits of each. | 16 | 35 | 15 |
| 2. Outline the Mechanisms of injury to Retro Peritoneal Blood Vessels and discuss the Management.                                                 | 16 | 35 | 15 |

II. Write notes on:

- |                                                            |   |    |   |
|------------------------------------------------------------|---|----|---|
| 1. Endotension.                                            | 4 | 10 | 7 |
| 2. Atherectomy devices.                                    | 4 | 10 | 7 |
| 3. Infra-Genicular Angioplasty.                            | 4 | 10 | 7 |
| 4. Trans-Jugular Intrahepatic Porto Systemic Shunt (TIPS). | 4 | 10 | 7 |
| 5. Vascular Access for Total Parenteral Nutrition.         | 4 | 10 | 7 |
| 6. Endoleak.                                               | 4 | 10 | 7 |
| 7. Vascular Staplers.                                      | 4 | 10 | 7 |
| 8. Renal Revascularisation.                                | 4 | 10 | 7 |
| 9. Drug Elluting Stents.                                   | 4 | 10 | 7 |
| 10. Venous Stenting.                                       | 4 | 10 | 7 |

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**M.Ch. – VASCULAR SURGERY**  
**Paper – III VASCULAR AND ENDO VASCULAR SURGERY**  
*Q.P.Code: 181853*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Formulate an endovascular strategy for the treatment of patients with Type B aortic dissections.
2. Endovascular Treatments of the Lower Extremity ischemia: Discuss multiple options for treating chronic total occlusions.

**II. Write notes on:**

**(10X7=70)**

1. Steps to reduce Radiation Dose and obtain quality images.
2. Indications and embolization techniques for AV malformation.
3. Catheter based interventions for acute DVT.
4. Biology of in - stent restenosis.
5. Carotid angioplasty and stenting.
6. Consequences and cures of angioplasty.
7. Organ specific contrast related toxicity.
8. Vessel puncture equipment and techniques.
9. Anatomical information required for endovascular AAA repair.
10. Endoluminal ablation of varicose vein.

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[LF 027]

AUGUST 2014

Sub. Code: 1853

**M.Ch. – VASCULAR SURGERY**

**Paper III – VASCULAR SURGERY AND ENDO VASCULAR SURGERY**

*Q. P. Code: 181853*

**Time: Three Hours**

**Maximum: 100 Marks**

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

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the endovascular aneurysm repair and discuss the advantages and disadvantages.
2. What are the fibrinolytic agents currently available?  
Give their pharmacology and their application in regional thrombolytic therapy in vascular surgery.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Describe the various types of endoleaks.
2. Discuss the clinical utility of intravascular ultrasound.
3. Self-expandable stents.
4. Endovenous management of varicose veins.
5. Intravascular stents.
6. Fibrinolytic treatment of deep vein thrombosis.
7. Operative angiography.
8. Balloon angioplasty.
9. Retrievable IVC Filters.
10. Role of endovascular treatment in vascular injury.

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