

**APRIL - 2001**

**[KD 061]**

**Sub. Code : 1852**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**Branch VIII — Vascular Surgery**

**(Revised Regulations)**

**Paper II — VASCULAR SURGERY – I**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

1. Discuss aetiopathology, diagnosis and management of Buerger's disease (25)
2. Discuss pathology, complications and management of diabetic foot. (25)
3. Write briefly on : (5 × 10 = 50)
  - (a) Acute vascular insufficiency due to drug abuse
  - (b) Dynamic ascending venography
  - (c) Carotid body tumor
  - (d) Therapeutic embolization
  - (e) Venous gangrene.

**NOVEMBER - 2001**

**[KE 061]**

**Sub. Code : 1852**

**M.Ch. DEGREE EXAMINATION,**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VIII — Vascular Surgery**

**Paper II — VASCULAR SURGERY — I**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

1. Discuss in detail the role of non-invasive laboratory tests in the assessment of a vascular patient.  
(25)
  2. Discuss when should infrarenal Abdominal Aortic Aneurysm (AAA) be operated upon. List the late presentations of A.A.A and give brief account of their management.  
(25)
  3. Write notes on : (5 × 10 = 50)
    - (a) Extra anatomic bypass
    - (b) Carotid body tumour
    - (c) Vascular graft
    - (d) Subclavian steal syndrome
    - (e) Thrombolysis.
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MARCH - 2002

[KG 061]

Sub. Code : 1852

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VIII — Vascular Surgery

Paper II — VASCULAR SURGERY — I

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss presentation, diagnosis, investigations and therapeutic options for Aorto iliac occlusive disease. (25)
2. How will you proceed to investigate and manage a 65 yr old patient with T.I.A.S. and normal heart. Give an account of carotid endarterectomy in detail. (25)
3. Write notes on : (5 × 10 = 50)
  - (a) Role of sympathectomy in T.A.O
  - (b) Surgical options for renovascular hypertension.
  - (c) Profundaplasty.
  - (d) Vascular impotence.
  - (e) Popliteal entrapment syndrome.

SEPTEMBER - 2002

[KH 061]

Sub. Code : 1852

M.Ch. DEGREE EXAMINATION,

(Higher Specialities)

(Revised Regulations)

Branch VIII — Vascular Surgery

Paper II — VASCULAR SURGERY — I

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss in detail the long term results of the different types of femoro-popliteal bypass. (25)
2. Discuss the management of an infected aorto-femoral graft. (25)

Write briefly on :

(5 × 10 = 50)

- (a) Venacaval filter
- (b) Non-ionic contrast
- (c) Cervico-dorsal sympathectomy
- (d) Popliteal entrapment syndrome
- (e) Pheochromocytoma.

AUGUST - 2004

[KL 061]

Sub. Code : 1852

II. Write short notes on :

(10 × 5 = 50)

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch VIII — Vascular Surgery

Paper II — VASCULAR SURGERY — I

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 :

(2 × 15 = 30)

(1) Discuss the merits and demerits of retroperitoneal approach to abdominal aortic surgery.

(2) Discuss the role of sympathectomy in vascular diseases.

(a) Below knee amputation.

(b) Klippel-Trenaunay syndrome.

(c) Chemodectoma.

(d) Popliteal artery aneurysm.

(e) Aorto-duodenal fistula.

(f) Classification of aortic dissection.

(g) Fasciotomy.

(h) Peripheral arterial embolism.

(i) Microbiology of prosthetic graft infection.

(j) Techniques of renal revascularisation.

**AUGUST - 2006**

**[KP 061]**

**Sub. Code : 1852**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VIII — Vascular Surgery**

**Paper II — VASCULAR SURGERY — I**

**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 :**

**(1) Discuss the role of carotid artery and arterectomy in the management of TIA patients? (20)**

**(2) Discuss the management of Neuro-ischemic diabetic foot? (15)**

**(3) Discuss the vascular problems associated with cervical ribs. (15)**

**II. Short notes :**

**(6 × 5 = 30)**

**(a) Importance of Lumbar arteries in the management of AAA.**

**(b) Re-implantation of internal iliac artery in to the Aorto bifemoral graft**

**(c) Profundoplasty.**

**(d) In-situ saphenous vein bypass**

**(e) Intra - operative angiography**

**(f) Thrombectomy versus thrombolysis**

August-2007

**[KR 061]**

**Sub. Code : 1852**

**M.Ch. DEGREE EXAMINATION.**

**Branch VIII — Vascular Surgery**

**Paper II — VASCULAR 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.**

**I. Essay :**

**1. Describe the various methods of renal artery  
revascularisation. (20)**

**2. Discuss the management of chronic venous ulcer.  
(15)**

**3. Discuss the management of middle aortic  
syndrome. (15)**

**II. Short notes :**

**(6 × 5 = 30)**

- (a) Klippel–Trenaunay syndrome.**
- (b) Compartment syndrome.**
- (c) Aorto–caval fistula.**
- (d) Inferior vena cava filters.**
- (e) Venous embolectomy.**
- (f) Sclerotherapy for varicose veins.**

August 2008

[KT 061]

Sub. Code: 1852

**M.Ch. DEGREE EXAMINATION**

**(Higher Specialities)**

**(Revised Regulations)**

**Branch VIII – VASCULAR SURGERY**

**Paper II – VASCULAR SURGERY**

*Q.P. Code: 181852*

**Time: Three hours**

**Maximum: 100 Marks**

**ANSWER ALL QUESTIONS**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Discuss concept of failing graft and secondary arterial reconstructions in lower extremity.
2. Discuss etiopathogenesis and management of subclavian axillary vein thrombosis.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Inflammatory Aneurysms.
  2. Hyperperfusion syndrome.
  3. Wells score for DVT.
  4. LMWH Vs UFH.
  5. Post thrombotic CVI.
  6. SVC Syndrome.
  7. Aorta renal bypass.
  8. Kassabach merritt phenomenon.
  9. Physiological effects of AV fistulas.
  10. Renal protection strategies in TAAA.
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August 2009

[KV 061]

Sub. Code: 1852

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

**(Super Specialities)**

**Branch VIII – VASCULAR SURGERY**

**(Revised Regulations)**

**Paper II – VASCULAR SURGERY**

*Q.P. Code: 181852*

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL questions**

**Draw suitable diagrams wherever necessary.**

**I. Essays:**

**(2 x 20 = 40)**

1. Discuss the intrinsic and extrinsic pathways of coagulation and describe the prothrombotic conditions.
2. Describe the anatomy of the thoracic outlet and discuss the clinical features and management of thoracic outlet compression syndrome.

**II. Write short notes on:**

**(10 x 6 = 60)**

1. Venous thromboembolism prophylaxis.
2. Thrombophlebitis migrans.
3. Nonshunt surgical procedure for portal hypertension.
4. Anastomotic false aneurysm.
5. Spinal cord ischaemia.
6. Vascular graft failure.
7. Fasciotomy.
8. Management of fracture femur and femoral artery and vein injury.
9. Haemodynamic complications of arteriovenous fistula.
10. Digital plethysmography.

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August 2011

[KZ 061]

Sub. Code: 1852

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

BRANCH VIII – VASCULAR SURGERY

VASCULAR SURGERY

*Q.P. Code:181852*

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 present concepts in the management of varicose veins. | 11 | 35 | 15 |
| 2. Discuss the peri operative complications and management following major aortic surgery.                | 11 | 35 | 15 |

II. Write notes on :

- |   |   |    |   |
|---|---|----|---|
| 1. Post phlebitic sequelae.             | 4 | 10 | 7 |
| 2. Popliteal Artery aneurysm.           | 4 | 10 | 7 |
| 3. Superficial venous thrombophlebitis. | 4 | 10 | 7 |
| 4. Secondary Raynauds Syndrome.         | 4 | 10 | 7 |
| 5. Non Occlusive mesenteric ischemia.   | 4 | 10 | 7 |
| 6. Taylor's patch.                      | 4 | 10 | 7 |
| 7. Blue toe Syndrome.                   | 4 | 10 | 7 |
| 8. Stem Cell therapy in PAD.            | 4 | 10 | 7 |
| 9. Post operative Erectile Dysfunction. | 4 | 10 | 7 |
| 10. Paraganglioma.                      | 4 | 10 | 7 |

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[LB 025]

AUGUST 2012

Sub. Code: 1852

**M.Ch – VASCULAR SURGERY**  
**Paper – II VASCULAR SURGERY**  
*Q.P. Code: 181852*

**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 Management of Neuro-Ischaemic Diabetic Foot. | 16 | 35 | 15 |
| 2. Discuss the Management of Infected Synthetic Graft.      | 16 | 35 | 15 |

**II. Write notes on:**

- |   |   |    |   |
|---|---|----|---|
| 1. Venous-Thrombectomy.   | 4 | 10 | 7 |
| 2. Compartment Syndrome.  | 4 | 10 | 7 |
| 3. Asymptomatic Carotid Artery Stenosis.                                    | 4 | 10 | 7 |
| 4. Budd-Chiari Syndrome.  | 4 | 10 | 7 |
| 5. Vascular Complications in Renal Transplant.                              | 4 | 10 | 7 |
| 6. Extra Anatomical Bypass.   | 4 | 10 | 7 |
| 7. Penetrating Trauma to Thigh with Vascular Involvement<br>and Management. | 4 | 10 | 7 |
| 8. Thrombin.  | 4 | 10 | 7 |
| 9. Aorto-Enteric Fistula.   | 4 | 10 | 7 |
| 10. Spinal Cord Ischaemia.  | 4 | 10 | 7 |

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(LD 026)

AUGUST 2013

Sub. Code:1852

**M.Ch. – VASCULAR SURGERY**  
**Paper – II VASCULAR SURGERY**  
*Q.P.Code: 181852*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2X15=30)**

1. Management of Ruptured Abdominal Aortic Aneurysm.
2. Etiopathogenesis Diagnosis and Management of Reno Vascular Hypertension.

**II. Write notes on:**

**(10X7=70)**

1. Protection devices.
2. Obturator Bypass.
3. Hypothenar Hammer Syndrome.
4. Thrombin Glue.
5. Trauma Scores.
6. Anatomy of Thoracic outlet syndrome.
7. Complications of EVAR.
8. Non occlusive Mesenteric Ischemia.
9. Vein cuffs.
10. Heparin bonded graft.

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[LF 026]

AUGUST 2014

Sub. Code: 1852

**M.Ch. – VASCULAR SURGERY**  
**Paper II – VASCULAR SURGERY**

*Q. P. Code: 181852*

**Time: Three Hours**

**Maximum: 100 Marks**

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

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the anatomy of thoracic outlet.  
Enumerate the thoracic outlet compression syndromes and discuss the management of arterial thromboembolism secondary to thoracic outlet compression.
2. Discuss the management of a diabetic person with significant coronary triple vessel disease and peripheral vascular disease at the Aorto-Iliac junctions and femoro-popliteal segments.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Post phlebitis sequelae.
2. Discuss the management of pseudoaneurysms in vascular surgical practice.
3. Stroke after carotid angioplasty and endarterectomy.
4. Embolization after myocardial infarction.
5. Rupture of abdominal aortic aneurysm.
6. Describe the indications and technique of axillo – femoral bypass.
7. Vascular complications of renal transplant and management.
8. Complications of aortic surgery.
9. Reperfusion injury.
10. Paget-Schroetter syndrome.

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