

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.
-

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.
-

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.

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 |

[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 and Management. | 4 | 10 | 7 |
| 8. Thrombin. | 4 | 10 | 7 |
| 9. Aorto-Enteric Fistula. | 4 | 10 | 7 |
| 10. Spinal Cord Ischaemia. | 4 | 10 | 7 |

(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.

[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.

[LH 026]

AUGUST 2015

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY
PAPER II – VASCULAR SURGERY

Q.P. Code: 181852

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Classify Aortoarteritis. Discuss the management of Renovascular Hypertension in Aortoarteritis.
2. Discuss the management of Iliocaval Venous obstructions.

II. Write notes on :

(10 x 7 = 70)

1. Nonthrombotic complications of Arteriovenous access.
2. Erectile dysfunction.
3. Autogenous Vein Grafts.
4. Venous Tumours.
5. Nonatheromatous Popliteal Artery disease.
6. Extra-anatomic by-pass.
7. Lumbar sympathectomy.
8. Neurogenic Thoracic Outlet syndrome.
9. Diabetic foot ulcers.
10. Post-operative complications following abdominal aortic surgery.

(LJ 026)

AUGUST 2016

Sub. Code:1852

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

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of acute mesenteric ischemia.
2. Management of fracture tibial condyle with popliteal vessels injury with acute ischemia.

II. Write notes on:

(10 x 7 = 70)

1. Paradoxical embolism.
2. Persistent sciatic artery.
3. Dysphagia lusoria.
4. Management of recurrent venous ulcer with perforator incompetence.
5. Thrombo embolectomy.
6. Fasciotomy.
7. Carotid body tumor.
8. Juxta renal Aortic occlusion.
9. Planning of arteriovenous fistula for hemodialysis.
10. Preoperative planning of a patient awaiting open surgery for thoraco abdominal aortic aneurysm.

(LL 026)

AUGUST 2017

Sub. Code:1852

M.Ch. – VASCULAR SURGERY

Paper II – VASCULAR SURGERY

Q.P.Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss etiopathogenesis and management of subclavian axillary vein thrombosis.
2. Discuss the management of chronic venous ulcer.

II. Write notes on:

(10 x 7 = 70)

1. SVC Syndrome.
2. Profundoplasty.
3. In – situ saphenous vein bypass.
4. Thrombectomy versus thrombolysis.
5. Aorto caval fistula.
6. Venous embolectomy.
7. Sclerotherapy for varicose veins.
8. Below knee amputation.
9. Klippel – Trenaunay syndrome.
10. Surgical options for renovascular hypertension.

(LN 026)

AUGUST 2018

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY

Paper II – VASCULAR SURGERY

Q.P.Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify the arterial tumours, their clinical presentations and management.
2. Classify the graft failure. Discuss the causes and management of early graft failure.

II. Write notes on:

(10 x 7 = 70)

1. Intra operative Angiogram.
2. Angioscope.
3. Venous Thrombectomy.
4. Venous Aneurysms.
5. Paraganglionomas.
6. May-Thurner syndrome.
7. UK Small Aneurysm study.
8. TASC classification of Aorto Iliac disease.
9. Superior Mesenteric Vein Thrombosis.
10. Glomus tumour.

(LP 026)

AUGUST 2019

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY

Paper II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Diagnosis and management of inflammatory abdominal aortic aneurysm.
2. Discuss the management of bilateral significant carotid artery stenosis in a right handed person with diabetes mellitus and hypertension.

II. Write notes on:

(10 x 7 = 70)

1. Cystic disease of arteries.
2. TASC II aorto iliac occlusion with horse shoe kidney with acute Ischemia.
3. Hypothenar hammer syndrome.
4. Central venous access.
5. Non reversed saphenous vein bypass.
6. Thrombo endarterectomy.
7. Compartment syndrome.
8. Wound care after vascular repair.
9. Aneurysms in children.
10. Skew amputation.

(LR 026)

NOVEMBER 2020
(AUGUST 2020 SESSION)

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY

Paper II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiopathogenesis and treatment of acute mesenteric ischemia
2. Discuss the treatment options of a patient with left index finger gangrene with a pulsatile supraclavicular swelling

II. Write notes on:

(10 x 7 = 70)

1. CO₂ angiogram
2. Infrainguinal graft surveillance
3. SVC occlusion
4. Foam sclerotherapy
5. Blue toe syndrome
6. Popliteal vein entrapment
7. Diabetic foot management
8. Profundaplasty
9. Nephrogenic systemic fibrosis
10. Indications and complications of IVC filters

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

[MCH 0222]

FEBRUARY 2022

Sub.Code :1852

M.Ch. – VASCULAR SURGERY

Paper II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the types of Hemodialysis access. Discuss the complications and management of Hemodialysis access.
2. Discuss the etiology, pathology, classification, clinical presentation, diagnosis and management of Aortic dissection.

II. Write notes on:

(10 x 7 = 70)

1. Aorto-Enteric fistula.
2. Post -Thrombotic syndrome.
3. Strategies for improving prosthetic graft patency.
4. Blue toe syndrome.
5. Fat embolism.
6. Amaurosis fugax.
7. Venous gangrene.
8. Importance of renal anomalies in Aortic surgery.
9. Popliteal artery aneurysm.
10. Graft thrombosis.

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY

Paper II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Pathophysiology and management options in Post aorto bifemoral bypass patient presenting with hematemesis.
2. Pathophysiology and management of ilio caval venous obstruction.

II. Write notes on:

(10 x 7=70)

1. Clinical factors associated with increased stroke risk.
2. Inflammatory aneurysm.
3. Risk stratification in pulmonary embolism.
4. Acute mesenteric artery occlusion.
5. Acute Descending Thoracic Aortic (DTA) Syndrome.
6. Malperfusion syndrome.
7. Open venous thrombectomy.
8. Treatment principles in extremity vascular trauma.
9. Diagnosis and management of failing graft.
10. Popliteal artery entrapment syndrome.

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

(MCH 0124)

JANUARY 2024

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY

PAPER II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Diagnosis, classification and management of Carotid body tumor.
2. Classify Aortic dissection and discuss the treatment options for malperfusion syndrome.

II. Write notes on:

(10 x 7 = 70)

1. Hypercoagulable state.
2. Abciximab.
3. Management guidelines for CLTI.
4. Carotid aneurysm.
5. Profundaplasty.
6. Visceral artery aneurysm.
7. Left heart bypass.
8. Hyperbaric oxygen therapy.
9. Drug eluting stents.
10. Mesentric venous thrombosis.

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

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1852

M.Ch. BRACH VIII – VASCULAR SURGERY

PAPER II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Non-thrombotic iliac vein lesion – sites of compression, clinical features, diagnosis and treatment.
2. Acute mesenteric ischemia – clinical features, diagnosis and treatment.

II. Write notes on:

(10 x 7 = 70)

1. Klippel – Treanaunay syndrome.
2. Clinical Etiological Anatomical Pathophysiological classification of varicose veins.
3. Supra-celiac control of aorta – technique and role in aortic aneurysm repair.
4. Ultrasound- guided foam sclerotherapy.
5. Role of offloading footwear in diabetic foot management.
6. Central vein stenosis management.
7. Brachio-basilic arteriovenous fistula.
8. Venous cuff – types and role in composite graft.
9. Hand-held Doppler – uses in vascular practice.
10. Monofilament polypropylene – role in vascular anastomosis.

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

(MCH 0126)

JANUARY 2026

Sub. Code: 1852

M.Ch. – VASCULAR SURGERY

PAPER II – VASCULAR SURGERY

Q.P. Code: 181852

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Etiopathogenesis, clinical presentation and management of Aorto Enteric Fistula.
2. Discuss Techniques to assess Tissue perfusion in peripheral arterial diseases.

II. Write notes on:

(10 x 7 = 70)

1. Prevention of Intimal hyperplasia in vein bypass.
2. Elastography and its significance
3. Fibrinolytic proteins, inhibitors and receptors
4. Pulmonary risk indices of post vascular surgical respiratory complications and perioperative risk reduction method.
5. Nerve injured with surgical exposure of Vascular structures in lower limb.
6. Cerebral Hyper perfusion syndrome.
7. Hand-Arm vibration syndrome.
8. Discuss variations of Scalene muscles and Skeletal Abnormalities leading to Thoracic outlet syndrome.
9. Comparative Analysis of current diagnostic clinical criteria for Thromboangitis obliterans and Angiographic findings in Thromboangitis obliterans.
10. Persistent Sciatic Artery.
