

MARCH - 1990

265

M.Ch. DEGREE EXAMINATION, MARCH 1990.

Branch VIII — Vascular Surgery

VASCULAR SURGERY — BASIC SCIENCES

Time : Three hours.

Answer ALL the questions.

- 1. Describe the surgical anatomy of thoracic outlet. Discuss the management of thoracic outlet compression syndrome.**
 - 2. Discuss the haemodynamics, pathophysiology and management of arteriovenous fistulae of limb.**
 - 3. Write short notes on :**
 - (a) Iliac compression syndrome.**
 - (b) Popliteal artery entrapment.**
 - (c) Infection in diabetic foot.**
 - (d) Ambulatory venous hypertension.**
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SEPTEMBER - 1991

369

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1991.

(Higher Specialities)

Branch VIII — Vascular Surgery

Paper I — VASCULAR SURGERY — BASIC SCIENCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL the questions.

1. Discuss the role of Vascular Laboratory in the Diagnosis of Venous Disease. (25 marks)
2. Describe the Embryology, clinical presentation, diagnosis and surgical management of Vascular Rings. (25 marks)
3. Discuss briefly the following : (5 × 10 = 50 marks)
 - (a) Transcatheter Therapeutic Embolisation.
 - (b) Deep Hypothermia and Circulatory Arrest.
 - (c) Left Heart Bypass.
 - (d) Pulmonary Vascular Disease.
 - (e) Diabetic foot.

SEPTEMBER - 1992

[369]

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1992.

Higher Specialities

Branch VIII — Vascular Surgery

Paper I — VASCULAR SURGERY — BASIC SCIENCES

Time : Three hours.

Maximum : 100 marks.

1. Describe the coagulation Mechanism and role of Anticoagulants and Antiplatelets in Vascular Surgery. (25 marks)
 2. Describe the Surgical Anatomy of Collateral circulation around the Hip Joint, and discuss various investigation techniques to evaluate chronic arterial insufficiency in lower limb and its management. (25 marks)
 3. Write short notes on : (5 × 10 = 50 marks)
 - (a) Uncommon Arteriopathies.
 - (b) Drug abuse and Arterial Lesions.
 - (c) Sclerosants in Vascular Surgery.
 - (d) Entrapment Syndrome.
 - (e) Paget-Schroetters Syndrome.
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APRIL - 1995

[SB 144]

M.Ch. DEGREE EXAMINATION,

(Higher Specialities)

Branch VIII – Vascular Surgery

(Old/New Regulations)

Paper I – VASCULAR SURGERY – BASIC SCIENCES

Time : Three hours

Maximum : 100 marks

1. Discuss the role of non-invasive vascular laboratory procedures in diagnosis, staging and follow up of patients with peripheral vascular disease. (25)
 2. Discuss the etiology, pathophysiology, objective tests and management of symptomatic venous varicosities in the legs. (25)
 3. Write short notes on : (5 × 10 = 50)
 - (a) Hypothermic total circulatory arrest.
 - (b) Popliteal entrapment syndrome.
 - (c) Collateral circulation in aortoiliac occlusive disease.
 - (d) Balloon Angioplasty.
 - (e) Therapeutic Embolisation.
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APRIL - 1997

MP 56

M.Ch. DEGREE EXAMINATION
(Higher Specialities)
Branch VIII-Vascular Surgery
(Revised Regulations)

Paper I - BASIC SCIENCES APPLIED TO
VASCULAR SURGERY

Time: Three hours

Max. marks:100

Answer All Questions

1. What is the role of endothelium in physiological and pathological conditions?
(25)

Discuss the flow dynamics in the normal venous system and their alterations during deep vein thrombosis. (25)

Write briefly on: (5x10=50)

Rationale of medical therapies in
Acute & chronic Ischaemia

Fibromuscular dysplasia

Vasculitis and immunosuppressive therapy

Neointima formation in synthetic grafts

Graft infection.

OCTOBER - 1997

MS 37

M.Ch. DEGREE EXAMINATION
(Higher Specialities)

Branch VIII - Vascular Surgery
(Revised Regulations)

Paper I - BASIC SCIENCES APPLIED TO
VASCULAR SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe in detail the coagulation cascade and discuss the various tests that are performed to detect various coagulation abnormalities. (25)
2. How will you investigate a patient with portal hypertension? Discuss the various operative procedures performed giving the indications for each one of them. (25)
3. Write briefly on: (5x10=50)
 - (a) Plethysmography
 - (b) Claudication
 - (c) Non-specific aorto-arteritis
 - (d) Antiplatelet drugs
 - (e) Phlegmasia cerulea dolens.

APRIL - 1998

SV 63

M.Ch. DEGREE EXAMINATION
(Higher Specialities)
Branch VIII - VASCULAR SURGERY
(Revised Regulations)

Paper I - BASIC SCIENCES APPLIED TO
VASCULAR SURGERY

Time: Three hours Max. marks:100

Answer All Questions

1. Describe the various tests that are performed to evaluate a patient suffering from peripheral vascular disease. (25)
2. Discuss the pathogenesis of atherosclerosis and the various drugs that are used in controlling it. (25)
3. Write briefly on: (5x10=50)
 - Stasis ulcer
 - Ankle pressure index
 - (c) Laplace law
 - (d) Radionuclide angiography
 - Contrast media.

APRIL - 2000

[KB 060]

Sub. Code : 1851

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Vascular Surgery — VIII

**Paper I — BASIC SCIENCES APPLIED TO
VASCULAR SURGERY**

Time : Three hours

Maximum : 100 marks

1. Describe the Pathogenesis of Atherosclerosis? (25)
2. Describe the anatomy and flow dynamics in a large arterial malformation of the pelvis, extremities, head and neck? (25)
3. Write short notes on : (5 × 10 = 50)
 - (a) Development of lower limb arterial system
 - (b) Micro-circulation
 - (c) HIT (Heparin induced thrombocytopenia)
 - (d) D-Dimers
 - (e) EDRF.