

## MARCH - 1990

267

M.Ch. DEGREE EXAMINATION, MARCH 1990.

Branch VIII — Vascular Surgery

VASCULAR SURGERY — RECENT ADVANCES

Time : Three hours.

Answer ALL the questions.

1. Discuss the advances in non-invasive and invasive vascular laboratory techniques.
  2. Discuss applications of microvascular surgery in peripheral vascular surgery.
  3. Write short notes on :
    - (a) Stabilized umbilical vein graft.
    - (b) Extraanatomic bypass surgery.
    - (c) Venous interruption.
    - (d) Fibrinolytic treatment of deep vein thrombosis.
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## SEPTEMBER - 1991

371

M.Ch. DEGREE EXAMINATION, SEPTEMBER 1991.

(Higher Specialities)

Branch VIII — Vascular Surgery

Paper III — VASCULAR SURGERY — RECENT ADVANCES

Time : Three hours.

Maximum : 100 marks.

Answer ALL the questions.

1. Discuss the application of Percutaneous Transluminal Angioplasty in Vascular Surgery with special reference to Peripheral Vascular Disease. (25 marks)
2. Discuss the Aetiology, Diagnosis and Surgical Management of Renal Artery Stenosis and Hypertension. (25 marks)
3. Discuss briefly the following : (5 × 10 = 50 marks)
  - (a) Synthetic Vascular Grafts.
  - (b) Operative Angiography.
  - (c) Vascular Endoscopy.
  - (d) Thrombolytic Therapy in Vascular Surgery.
  - (e) Venous Interruption.

**SEPTEMBER - 1992**

**[ 371 ]**

**M.Ch. DEGREE EXAMINATION, SEPTEMBER 1992.**

**Higher Specialities**

**Branch VIII — Vascular Surgery**

**Paper III — VASCULAR SURGERY — RECENT ADVANCES**

**Time : Three hours.**

**Maximum : 100 marks.**

1. Discuss the recent advances in Vascular Imaging Techniques in Peripheral Vascular diseases. (25 marks)
  2. Discuss the application and role of Percutaneous Transluminal Angioplasty and Endovascular Surgery with special reference to Peripheral Vascular diseases. (25 marks)
  3. Write short notes on : (5 × 10 = 50 marks)
    - (a) Vascular complications of Renal Transplant and Management.
    - (b) Complications of Aortic Surgery.
    - (c) Metabolic Changes following acute Arterial Occlusion.
    - (d) Pathological Intimal Hyperplasia.
    - (e) Vasculogenic Impotence.
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**APRIL - 1995**

**[SB 146]**

**M.Ch. DEGREE EXAMINATION.**

**(Higher Specialities)**

**Branch VIII – Vascular Surgery**

**(Old/New Regulations)**

**Paper III – VASCULAR SURGERY – RECENT  
ADVANCES**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

1. What are the Fibrinolytic agents currently available? Give their pharmacology and their application in Regional Thrombolytic Therapy in Vascular Surgery. (25)
  2. Discuss briefly the principles of Laser angioplasty. Describe the types of Lasers available and their relative merits. (25)
  3. Write short notes on : (5 × 10 = 50)
    - (a) Magnetic resonance angiography.
    - (b) Vascular endoscopy.
    - (c) Digital subtraction arteriography.
    - (d) Intravascular stents.
    - (e) Reperfusion injury.
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APRIL - 1997

MP 61

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

Paper IV - RECENT ADVANCES IN VASCULAR  
SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the role of endovascular surgical procedures in the management of vascular problems. (25)
2. Discuss the role of various thrombolytics in arterial and venous disorders. (25)
3. Write briefly on: (5x10=50)

MR Angiography

Prostaglandin infusion therapy

(c) Graft surveillance

IVC Filters

Antithrombin III, Proteins C&S.

OCTOBER - 1997

MS 40

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch VIII - Vascular Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN VASCULAR SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Classify the various types of vascular grafts that are available today and mention the recent advances in that field. (25)
2. Describe the current status of angioplasty. (25)
3. Write briefly on: (5x10=50)
  - (a) Blood conservation in vascular surgery
  - (b) Minimally invasive approaches for vascular surgery

Recent advances in the management of Lymphoedema

Current theories of renovascular hypertension

Newer imaging techniques in vascular disease.

APRIL - 1998

SV 66

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch VIII - Vascular Surgery

(Revised Regulations)

Paper IV - RECENT ADVANCES IN VASCULAR SURGERY

Time: Three hours

Max.marks:100

Answer All Questions

1. Describe the recent trends in preventing spinal cord ischaemia while performing aortic reconstructive procedures. (25)
2. Discuss the current trends in various endovascular surgical procedures with special reference to various vascular stents that are presently available. (25)
3. Write briefly on: (5x10=50)

Newer vascular grafts

(b) Recurrent thoracic outlet syndrome

Doppler colour flow mapping

Computed tomographic angiography

(e) Dobutamine stress echocardiography.

APRIL - 2000

[KB 063]

Sub. Code : 1854

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Vascular Surgery — VIII

Paper IV — RECENT ADVANCES IN VASCULAR  
SURGERY

Time : Three hours

Maximum : 100 marks

1. Describe the Endovascular aneurysm repair and discuss the advantages and disadvantages.
2. Describe the recent advances in "Therapeutic angiogenesis" and their future applications.
3. Write short notes on :
  - (a) Compare "In-stent stenosis" and "Graft restenosis"
  - (b) Vascular brachytherapy
  - (c) PDGF
  - (d) Extradural Spinalcord stimulation
  - (e) Endothelins
  - (f) Cutting balloons.