

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

**[DM 0124]**

**JANUARY 2024**

**Sub. Code :1512**

**D.M. – INTERVENTIONAL RADIOLOGY**

**PAPER – II – VASCULAR INTERVENTIONAL RADIOLOGY**

***Q.P. Code: 161512***

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Role of IR in the management of peripheral arterial disease.
2. IVC filter – explain in detail regarding the patient care.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Evaluating bleedings risk in IR procedures.
2. Varicose veins – Indications and Techniques of Management.
3. Renal artery hypertension.
4. Aortic aneurysm – Role of Interventions Radiologist.
5. Vascular anomaly – Classification and methods of IR – Management.
6. Postpartum haemorrhage.
7. Management of intravascular foreign body.
8. Life-threatening hemoptysis.
9. Preoperative embolization of Tumors.
10. May Thurner syndrome.

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

**[DM 0225]**

**FEBRUARY 2025**

**Sub. Code :1512**

**D.M. – INTERVENTIONAL RADIOLOGY**

**PAPER II – VASCULAR INTERVENTIONAL RADIOLOGY**

*Q.P. Code: 161512*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Indications, technique and complications in management of Gastric varices.
2. Pre procedure evaluation, role of imaging in planning and techniques of management of wide necked intracranial aneurysms.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Superficial femoral artery long segment stenosis. Briefly describe management.
2. Role of Perfusion imaging in management of a patient with stroke.
3. Discuss liquid embolic agents for intracranial use. Briefly explain techniques of use and catheters used.
4. Discuss pressure measurements in Intervention Radiology.
5. 35 years old postnatal mother is referred with profuse bleeding PV. How will you investigate and manage the patient.
6. Enumerate and discuss the differences in Trans femoral versus Trans Radial vascular access.
7. How will you manage a post renal transplant patient presenting with haematuria?
8. Role of stents in management of intra cranial aneurysms.
9. Post procedure management following TIPS (Trans jugular Porto systemic Shunts).
10. Discuss venous lines for chemotherapy.

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

**[DM 0126]**

**JANUARY 2026**

**Sub. Code :1512**

**D.M. – INTERVENTIONAL RADIOLOGY**

**PAPER II – VASCULAR INTERVENTIONAL RADIOLOGY**

*Q.P. Code: 161512*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. 55/Male with pancreatitis presents with upper GI bleed due to 5 cm Pseudoaneurysm of splenic artery. Discuss the pre procedure evaluation and approach to embolization in this patient.
2. Discuss the role of Intervention Radiologist in management of Hepato cellular carcinoma.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Adrenal venous sampling. Briefly describe indications, anatomy and techniques.
2. Briefly describe techniques to manage Dural Arterio Venous Fistulas.
3. Carotid artery stenting. Materials required and technique.
4. Extra bronchial embolization in Haemoptysis.
5. Role of Intervention radiologist in management of obesity.
6. Types of endoleak and its management after aortic aneurysm repair.
7. Anatomical Classification of Budd Chiari syndrome. Management of Hepatic vein pathology by Intervention Radiologist.
8. Role of Plugs as vascular occlusion devices. How will you choose plug size and type?
9. Complications of vascular access and their management and prevention.
10. Imaging and management of Perforator incompetency.

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