

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

[DM 0124]

JANUARY 2024

Sub. Code :1514

D.M. – INTERVENTIONAL RADIOLOGY

PAPER – IV – RECENT ADVANCES IN INTERVENTIONAL RADIOLOGY

Q.P. Code: 161514

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of post liver-transplant complications.
2. Wide-necked intracranial aneurysms – evaluation and management.

II. Write notes on:

(10 x 7 = 70)

1. Stroke trials.
2. Subclavian steal syndrome.
3. Vascular access closure techniques.
4. Liquid embolic material.
5. Fiducial placements for radiotherapy.
6. Breast lesions – the role of IR.
7. Audit in IR.
8. Chemoport.
9. SVC syndrome.
10. Drug eluting stents.

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

[DM 0225]

FEBRUARY 2025

Sub. Code :1514

D.M. – INTERVENTIONAL RADIOLOGY

PAPER – IV – RECENT ADVANCES IN INTERVENTIONAL RADIOLOGY

Q.P. Code: 161514

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Fifty-six-year chronic renal failure patient with abdominal aortic aneurysm involving the visceral arteries and aortic bifurcation. Discuss management.
2. Discuss indications, concepts, types and role of venous stenting in Intervention Radiology.

II. Write notes on:

(10 x 7 = 70)

1. Role of Intervention Radiologist in obesity.
2. How can Artificial Intelligence assist in Intervention Radiology practices.
3. Thyroid ablation indications and outcomes.
4. Classify high risk procedures in Intervention Radiology. Discuss the reason for the classification.
5. Discuss the role of Robotics during Intervention Procedures.
6. Indications and techniques of below knee vascular access in management of lower limb ischemia.
7. Radiomics in Intervention Radiology. Discuss.
8. Need for clinical postings in IR curriculum. Discuss.
9. How will you plan a research study? Discuss with an example.
10. Role of Antithrombotics and Anticoagulants in management of Acute versus Chronic deep vein thrombosis of lower limb.

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

[DM 0126]

JANUARY 2026

Sub. Code: 1514

D.M. – INTERVENTIONAL RADIOLOGY

PAPER IV – RECENT ADVANCES IN INTERVENTIONAL RADIOLOGY

Q.P. Code: 161514

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. The anatomy and classification of Intracranial Arterio Venous Malformations. Different techniques available for treating them and the Embolic agents available.
2. Emerging role of Intervention Radiologist in musculoskeletal system.

II. Write notes on:

(10 x 7 = 70)

1. Role of Intervention radiologist in management of Portal hypertension.
2. Newer anticoagulants and their role in Peripheral arterial disease.
3. Basic concepts of Artificial Intelligence and role in Intervention Radiology
4. Stroke trials and their outcome.
5. Discuss newer strategies in management of Intermediate stage Hepatocellular carcinoma.
6. Various techniques in salvage of nonfunctioning Arterio Venous Fistulas in patients with Renal Failure.
7. Role of preoperative imaging in abdominal aortic aneurysms.
8. Auditing complications in Intervention Radiology. Discuss the necessity.
9. Cerebral thrombectomy – discuss.
10. Discuss a) blinding in clinical trials b) Tests used in clinical trials.
