

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

[DM 0124]

JANUARY 2024

Sub. Code :1513

D.M. – INTERVENTIONAL RADIOLOGY

PAPER – III – NON VASCULAR AND FETAL INTERVENTIONAL RADIOLOGY

Q.P. Code: 161513

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Evaluation and management of painless jaundice in an elderly patient.
2. Management of Osteoid osteoma.

II. Write notes on: (10 x 7 = 70)

1. Percutaneous gastrostomy.
2. Emphysematous Pyelonephritis.
3. Complications related to biopsy of a lung lesion – prevention and management.
4. Lung Sequestration.
5. Low lying Placenta – Imaging and intrapartum management.
6. Intrauterine Fetal Blood Transfusion.
7. Lumbar sympathectomy.
8. Percutaneous Nephrostomy – Technique and how to avoid complications.
9. Bone biopsy.
10. Vertebroplasty.

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[DM 0225]

FEBRUARY 2025

Sub. Code :1513

D.M. – INTERVENTIONAL RADIOLOGY

PAPER III – NON VASCULAR AND FETAL INTERVENTIONAL RADIOLOGY

Q.P. Code: 161513

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. 10 weeks pregnant antenatal mother with history of fetal anomalies in previous pregnancy. How will you counsel her regarding invasive testing? Describe technique and steps for any two of the options available to her.
2. Percutaneous gastrostomy – Indications, pre procedure evaluation, technique and methods to minimize complications.

II. Write notes on:

(10 x 7 = 70)

1. Discuss ways to minimize radiation to a 16 weeks pregnant woman undergoing CT guided lung biopsy.
2. Elaborate on the methods to reduce and manage Post biopsy pneumothorax.
3. Twin Twin transfusion syndrome. Discuss management by Intervention Radiologist.
4. Indications, techniques and methods of Breast biopsy.
5. 45-year male patient with urinary fistula referred for urinary diversion. How will you evaluate and manage the patient?
6. Discuss technique, catheter care and complications of percutaneous cholecystostomy.
7. Imaging and intervention in facetar arthropathy.
8. List the percutaneous ablation methods available. Discuss the rationale of treatment of any two methods.
9. Compare pedal versus nodal lymphangiography.
10. Briefly describe technique, post-operative care and complications of Nucleoplasty.

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

[DM 0126]

JANUARY 2026

Sub. Code :1513

D.M. – INTERVENTIONAL RADIOLOGY

PAPER III – NON VASCULAR AND FETAL INTERVENTIONAL RADIOLOGY

Q.P. Code: 161513

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Management of twin pregnancy with discordant growth.
2. Vertebroplasty – Indications, pre procedure evaluation, technique and methods to avoid complications.

II. Write notes on:

(10 x 7 = 70)

1. Radiation protection for pregnant women Undergoing Bronchial artery embolization.
2. Role of Intervention Radiologist in management of Hypertension.
3. Amniocentesis –Indications and technique. What tests would you request for ruling out Haemoglobinopathies in the fetus?
4. Role of Intervention Radiologist in Infertility management.
5. 70-year-old patient with obstructive Jaundice due to inoperable Hilar cholangiocarcinoma. How will you evaluate and discuss your management strategy.
6. Types of pigtail catheters available for abscess drainage. Discuss management of Acute Necrotising Pancreatitis with a large necrotic collection in tail of pancreas.
7. PCPNDT act- Relevance to Intervention Radiologist.
8. Agents for percutaneous sclerotherapy. Compare the indications, uses and complications of each.
9. Post partum Haemorrhage evaluation and role of Intervention radiologist in management of different causes.
10. Image guided management of Trigeminal Neuralgia. Discuss methods of approach and treatment.
