

M.D. DEGREE EXAMINATION
BRANCH VIII – RADIO DIAGNOSIS
PAPER II - RADIO DIAGNOSIS INCLUDING NUCLEAR MEDICINE

Q.P. Code :202032

Time : Three Hours

Maximum : 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Write on the Classification of arthritis and discuss in detail the role of imaging in psoriatic arthritis.
2. What are phakomatoses? Write about Von Hippel-Lindau syndrome and discuss the role of a radiologist in the management of these patients.

II. Write notes on:

(10 x 7 = 70)

1. Radiological features of renal osteodystrophy.
2. Role of Nuclear Medicine in urinary system disorders evaluation in children
3. Ultrasound evaluation of ectopic pregnancy.
4. MRI features of adenomyosis.
5. Radiology of Bronchopulmonary aspergillosis.
6. Indications for bone scintigraphy.
7. Basic principles and imaging of pneumoconiosis
8. PET-CT in Oncology.
9. Neuroblastoma Vs Wilms tumor and imaging
10. Enumerate cystic lesions in brain and the modalities of imaging useful in their diagnosis

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Sub. Code: 2033

**M.D. DEGREE EXAMINATION
BRANCH VIII – RADIO DIAGNOSIS
PAPER III - RADIO DIAGNOSIS INCLUDING INSTRUMENTATION AND
CONTRAST STUDIES**

Q.P. Code :202033

Time : Three Hours

Maximum : 100 marks

I. Elaborate on:

**(2 x 15 =
30)**

1. Enumerate neuro cutaneous syndromes. Describe in detail the imaging features of Sturge –Weber syndrome and NF.
2. Define contrast nephropathy. Elaborate on the mechanism of contrast nephropathy and the patients at risk of developing it. Describe the key recommendations to prevent it

II. Write notes on:

(10 x 7 = 70)

1. Tethered cord-significance and imaging.
2. Preoperative imaging for cochlear implantation.
3. USG in retinal and choroidal detachment.
4. Technical details of MR venogram
5. Neonatal neurosonography
6. Pre operative CT evaluation of potential donors in living donor liver transplantation
7. Briefly discuss imaging of pre sacral masses in children
8. Bone marrow lesions- diagnostic approach
9. MR imaging of hypoxic-ischemic injury in term neonates
10. Conventional vs CT Urography

M.D. DEGREE EXAMINATION
BRANCH VIII – RADIO DIAGNOSIS
PAPER IV - RADIO DIAGNOSIS INCLUDING INTERVENTIONAL
PROCEDURES AND RECENT ADVANCES
Q.P. Code :202034

Time : Three Hours

Maximum : 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss about gynaecological interventions in radiology and its clinical applications.
2. Briefly write about the embryology of heart. Discuss the radiology of cyanotic congenital heart disease.

II. Write notes on:

(10 x 7 = 70)

1. Percutaneous cholecystostomy.
2. Imaging features of Sturge Weber syndrome.
3. Radiological features of silicosis.
4. Write about vascular ultrasound.
5. Colonic polyp Vs diverticulae in barium study.
6. Imaging features of coarctation of aorta.
7. Techniques and clinical applications of MR urography.
8. Write about technique and clinical applications of sleep MRI.
9. Role of Radiology in congenital anomalies of renal pelvis and ureter.
10. Imaging of Pleural masses.
