

DNB Radiodiagnosis – December 2021 theory examination

DNB paper 1

1. Manifestations of CNS TB.

Clinical findings, patho, imaging of any 2

2. Midline pediatric neck masses.

Embryology, clinical n imaging thyroglossal cysts

3. Diffuse hyperostosis skull. Imaging of any 2

4. 60 Y female breast masses d/d.

Benign vs malignant on USG n MRI

5. A. Perthes disease.

B. Ewing sarcoma femur.

6. Exophthalmos causes. role of imaging.

7. Internal derangement of knee causes. MRI knee protocol. ACL tear findings.

8. A. Sella turcica anatomy. Masses within and adjacent to it.

B. Imaging in NF2.

9. A. CT in ischemic stroke

B. Sturge Weber syndrome

10. A. Cleidocranial dysplasia

B. Rickets

DNB paper II

1. Radiographic compartments of mediastinum.

Pediatric mediastinal masses.

Posterior mediastinal masses in 1 yr old.

2. Pathophysiology of covid pulmonary infection.

Chest CT protocol.

Chest CT findings.

3. Causes of hilar node enlargement. How to differentiate causes on imaging.

4. Lifecycle of echinococcus granulosus.

Pulmonary findings in hydatid cyst.

5. Imaging protocol in 50 yr old with acute chest pain.

Likely causes and Imaging findings.

6. Any 5 chest radiographic views. Technique and indications.

7. A. Imaging in varicose veins

B. MR in ischemic heart disease.

8. A. Radiographic findings in congenital cyanotic heart disease.

B. Imaging in chronic PTE

9. A. Differentials of calcifications on chest xray.

B. Differentials of cavitary pulmonary lesions

10. A. Imaging findings mitral stenosis

B. Imaging in renal artery stenosis.

DNB paper III

1. Various benign and malignant solid renal masses. Imaging features of malignant solid renal masses.

2. Draw and discuss

A. T staging of bladder tumors

B. Male urethral injury

3. Role of USG, CT and MRI in endometrial ca.

4. Role of virtual colonoscopy. Technique and contraindications. Imaging findings of colonic polyps on virtual colonoscopy.

5. Role on USG and MRI in morbidly adherent placenta.

6. A. Bleeding PV at 18 weeks. Causes and imaging findings.

B. Oligohydramnios

7. A. Causes of dysphagia. Role of barium swallow.

B. MR enteroclysis.

8. A. MRI in ca cervix.

B. Antenatal MRI - indications, safety and protocols

9. A. MRCP

B. Caroli's disease

10. A. X-ray findings in acute pancreatitis.

B. Role of CT in initial imaging and follow up of GIST

DNB paper IV

1. Labelled diagram of x-ray tube.

Functioning of x-ray tube.

Causes of tube failure.

2. A. X-ray film.

B. Computed radiography.

3. Imaging techniques for cartilage imaging.

Common sites for osteochondral defects and their imaging appearances.

4. A. Ultrasound contrast agents.

B. CT enteric contrast agents.

5. Techniques and role of interventional management in malignant liver tumors.

6. Radiation dose limits in radiation workers and general people.

Radiation protection measures for A. Staff. B. Patient. C. General population.

7. A. ALARA and eLORA

B. HIFU - Principle and clinical uses

8. A. PET CT in oncology.

B. Contrast reaction management in CT unit.

9. A. Principle of color doppler imaging.

B. Principle and pitfalls of TOF MRA.

10. A. Scintigraphy in cardiac imaging.

B. Diffusion weighted imaging.