

Draw diagram wherever necessary.

NIZAM INSTITUTE OF MEDICAL SCIENCES, FINAL EXAMINATION – APRIL 2021

DMRD PAPER I

1. Anatomy of the orbit as seen on conventional radiology ,USG,CT and MRI.

1*20=20

2.Short notes on.

- a) Management of adverse reaction to iodinated contrast media.
- b) Construction of X ray tube.
- c) HRCT chest
- d) Basic pulse sequence in MRI
- e) Scatter Radiation
- f) captopril Renogram in Renovascular hypertension.
- g) Neurosonogram
- h) Name various techniques of elastography and it's clinical applications.

Draw diagram wherever necessary.

DMRD PAPER II

1. Describe in detail the role of radiologist in diagnosis and management of

renal mass.

1*20=20

2. Short notes.

8*10=80 MARKS

- a) Tetralogy of fallot.
- b) Indications of MR enteroclysis and finding in malabsorption.
- c) Cardiac and of pericardial calcifications.
- d) CT feature of adrenal malignancies.
- e) Right iliac fossa masses.
- f) Pulmonary edema.
- g) Hyperparathyroidism.
- h) Role of Radiology in jaundice.

Draw diagram wherever necessary.

DMRD paper III

- 1.Role of sonography in IUGR
2. USG in breast
3. Different diagnosis of CP Angle tumours
4. Imaging in diffuse axonal injury
5. Recent advance in acute stroke imaging.
6. Evaluation of female infertility
7. pseudo-tumor of orbit
8. Radiological finding in round cell tumours of bone
9. Hyperparathyroidism.
- 10.Role of CT in sinusits.

Draw diagram wherever necessary.

MD PAPER I

1. Radiological anatomy of peritoneal spaces.
2. Discuss about mammography unit and tube
3. Principle and clinical application of dual energy CT.
4. Imaging anatomy of brachial plexus.
5. Personal monitoring device for radiation safety
6. Role of PET-CT in clinical Radiology
7. Interaction of Xray with matter.
8. Construction of transducer and type of transducer.
9. Discuss about various MRI contrast media and their mechanism of action.
10. Vertebroplasty.

Draw diagram wherever necessary.

MD PAPER II

1. Describe in details the role of radiologist in diagnosis and management of renal mass.

1x20=20

2. Short notes

8x8=80

- a) colonic diverticular disease.
- b) Radiological investigations in abdominal trauma.
- c) Role of radiology in COVID-19.
- d) Role of CT and MRI in cardiac imaging.
- e) Imaging in anorectal fistula and sinuses.
- f) Eventration of diaphragm.
- g) Radiological investigations in pancreatitis.
- h) Mitral valvular disease

Draw diagram wherever necessary.

MD PAPER III

DRAW DIAGRAM WHEREVER NECESSARY

1) Describe the anatomy of sella and discuss various sella ,para sellar and supra sellar lesion.

2) Short notes on.

a) Differential diagnosis of orbital lesions.

b) Tuberos sclerosis and its associations.

c) MRI evolution of traumatic knee joint

d) BIRADS classification of breast lesions (5th edition)

e) Ectopic pregnancy

f) Carpal tunnel syndrome

g) Imaging in testicular lesions

h) Cystic lesions of jaw.

Draw diagram wherever necessary.

MD PAPER IV

- 1 .Describe the role of interventional radiology in antenatal period.
2. Role of interventional radiology in musculoskeletal system.
3. Radionuclear imaging in transplant kidney.
4. USG contrast agents.
- 5.MR Ductography.
6. Gadolinium DTPA.
7. interventional radiology in obstructive uropathy.
8. Tumor embolization.
9. MR spectroscopy.
10. Balloon angioplasty.

Answer all question

Time:3hours

Maximum marks:100

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