

127-NR

M.D. DEGREE EXAMINATION – APRIL, 2014

RADIO DIAGNOSIS

Paper-IV : Radiodiagnosis including Nuclear Medicine
and other diseases

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Discuss the principles of diffusion weighted imaging and its clinical applications.
2. Discuss the role of MRI in a pregnant patient with acute abdominal pain
3. Describe the role of MRI in the imaging in diffuse liver disease.
4. Write short notes on:
 - a) Cine MR imaging and its utility
 - b) TRUS guided interventions
 - c) CT dosimetry
 - d) PET in evaluation of lymphoma
 - e) Cardiac stress imaging
5. Discuss the concept of molecular imaging. What are the various modalities used in molecular imaging? Elaborate the role of MRI in molecular imaging.
6. Describe the anatomy of the limbic system. Discuss imaging in temporal lobe epilepsy.
7. Write short notes on:
 - a) MR Enteroclysis
 - b) USG in Rheumatoid arthritis
 - c) Imaging of the brachial plexus
 - d) Intrauterine foetal intervention
 - e) Carotid and vertebral artery dissection
8. Discuss the role of MRI in breast diseases.
9. Describe the utility of Hepatobiliary contrast agents.
10. Describe the instrumentation and principles of Radiofrequency ablation. Discuss the indications, patient selection, procedure and complications of its various implications.

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