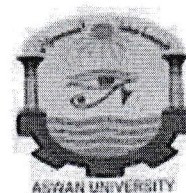




Aswan university

Faculty of medicine

Department of Radiology and Diagnostic Imaging



MD Degree of Radiology and Diagnostic imaging
Second Part
Paper IV (Cases)

Date: 7/11/2022
Time: 1.5 hours
Marks: 60

Answer the following questions: (12marks/ each)

- 1) A 40-year-old male patient presented to the emergency department by acute lower GIT bleeding and hypotension.
 - a) Enumerate different causes of lower GIT bleeding in adults.
 - b) Describe diagnostic work up and interventional radiological management.
- 2) A -70-year-old male patient, his digital rectal examination revealed prostate mass. PSA level is elevated 20 ng/ml. TRUS revealed BPH together with suspicious hypoechoic lesion in the PZ of the gland.
 - a) Enumerate cancer mimics lesions.
 - b) Describe the use of multi parametric MR examination in diagnosis, localization and staging of prostate cancer.
- 3) A -45-year-old female patient recently diagnosed with breast cancer. Her metastatic work up revealed left adrenal lesion, measuring 3cm in size.
 - a) Enumerate the diagnostic possibility of the lesion.
 - b) Describe different CT and MR techniques used for differentiation.
- 4) A -34-year-old female patient presented with accidentally discovered painless right breast lump. She has positive family history of breast cancer (her mother & aunt had breast cancer in their forties).
 - a) Enumerate different diagnostic possibilities
 - b) Describe algorithm for management (radiological imaging & interventions)
- 5) A 25-year-old female patient, married with one child 5 years old, presented to the emergency department by acute abdominal pain.
 - a) Enumerate gynecological causes and their radiological imaging findings.
 - b) Steps for diagnosis and management.

Good Luck