



Aswan university
Faculty of medicine
Department of Radiology and Diagnostic Imaging



MD Degree of Radiology and Diagnostic imaging
2nd Part
Paper IV (MCQ)

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

- 34) Plain radiographs of the femur performed for pain reveal a centrally located lucent lesion in the medulla with a partially calcified matrix. Which of the following features favours a diagnosis of chondrosarcoma over enchondroma?
- arc-and-ring matrix calcification
 - ground-glass matrix
 - multiple lesions
 - deep endosteal scalloping
 - lesion size over 5 cm
- 35) A 15-year-old boy presents to accident and emergency with signs of meningitis but no pyrexia. CT and MRI show a retroclival midline cystic tumour with localized mass effect. Which feature would support the diagnosis of a dermoid rather than an epidermoid cyst?
- restricted diffusion on DWI
 - no enhancement with intravenous gadolinium on MRI
 - multiple septations on either modality
 - focal low attenuation on CT
 - well-defined calcifications on CT
- 36) A severely hypoplastic cerebellar vermis in an enlarged bony posterior fossa, with associated hydrocephalus and communication of the fourth ventricle with a posterior midline CSF cyst, are features of which of the following posterior fossa malformations?
- mega cisterna magna
 - Dandy-Walker malformation
 - Dandy-Walker variant
 - Arnold-Chiari malformation
 - Joubert's syndrome
- 37) A plain radiograph is performed on a four-year-old with progressive deformity of the right hand. This shows multiple radiolucent expansile lesions within the metacarpals and phalanges, some of which contain punctate calcifications. Which of the following is the most likely diagnosis?
- Chondroblastoma
 - Chondromyxoid fibroma
 - Langerhans cell histiocytosis
 - Enchondromatosis
 - Aneurysmal bone cyst
- 38) A two-year-old boy is brought into the Emergency Department by his mother because she is concerned he has aspirated a foreign body. No foreign body is seen on CXR. What other CXR features might suggest recent foreign body aspiration?
- Hyperlucency
 - Consolidation
 - Effusion
 - Pneumothorax
 - Bronchiectasis