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10. On reviewing a liver biopsy specimen, the following features are identified: steatosis, Mallory bodies, and acute inflammation. Which of the following is the MOST LIKELY diagnosis?
- A) Primary biliary cirrhosis B) Acetaminophen overdose
C) Herpetic hepatitis D) Alcohol-related liver disease
11. Which of the following statements BEST DESCRIBES genetic hemochromatosis?
- A) Iron deficiency anemia develops from a mutation in the HFE gene
B) It is an autosomal dominant disorder that can lead to iron overload in the liver and other organs
C) Patients homozygous for a mutant HFE allele absorb excessive quantities of iron from the diet
D) Women typically manifest the disease earlier than men, who are protected by higher androgen levels
12. Impaired hepatic blood flow in veno-occlusive disease is due to:
- A) Thrombosis of the major hepatic veins B) Nodular regeneration of the parenchyma
C) Fibrous obliteration of terminal hepatic veins D) Fibrous obliteration of large bile ducts
13. Ovarian cyst lined by luteinized granulosa cells
- A) Follicular cysts B) Cystic follicle C) Luteal cyst D) Serous cyst
14. A 45 year old female presented with bulky uterine mass. Histopathology shows bizarre spindle cells with mitotic activity > 10/10Hp. Which of the following is the most likely diagnosis?
- A) Leiomyoma B) Endometrial Stromal sarcoma
C) Leiomyosarcoma D) Malignant mixed müllerian tumour
15. Which of the following statement is true regarding serous carcinoma of endometrium
- A) Endometrial hyperplasia is a risk factor B) Poor prognosis
C) Associated with MLH 1 mutation D) Low grade tumour
16. Identify the false statement regarding endometrial hyperplasia
- A) Associated with obesity
B) Most common genetic alteration is MET mutation
C) atypical hyperplasia have more risk of malignancy
D) Presence of metaplastic epithelium is benign
17. An 18-year-old man complains of a subacute onset of knee pain. A radiograph demonstrates an expansile, 10-cm mass arising within the proximal tibia with associated lifting of the periosteum and linear radiating calcifications perpendicular to the bone axis. This mass is concerning for which of the following?
- A) Osteosarcoma B) Rheumatoid arthritis C) Bone fracture D) Osteoid osteoma
18. The presence of a bulky, polypoid, grape-like mass protruding from the vagina of a 3-year-old girl should raise concern for which of the following?
- A) Synovial sarcoma B) McCune-Albright syndrome
C) Ewing sarcoma D) Embryonal rhabdomyosarcoma
19. Which lesion is a palmar variant of fibromatosis characterized by an irregular, nodular thickening of the palmar fascia?
- A) Desmoid fibromatosis B) Peyronie disease
C) Dupuytren contracture D) Dermatofibroma
20. Osteomas of the jaw are associated with which syndrome?
- A) McCune-Albright syndrome B) Down syndrome
C) Lesch-Nyhan syndrome D) Gardner syndrome

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