Neuropathology Case 5  

Case 5 (CSF analysis; 2 gross photos; 4 photomicrographs; J of Feline Medicine and Surgery 7:77-93, 2005 article to read).

History: 8-month-old, intact female cat with cluster seizures.

1. Which would best describe the nucleated cell population of the CSF?
   A. Mixed
   B. Normal
   C. Eosinophilic
   D. Suppurative
   E. Nonsuppurative

2. What are your lesion diagnosis (es) for the gross changes in the eye and brain?

3. Based on the four photomicrographs:
   A. What is the area of the brain at H in photomicrograph 1?
   B. Which best describes the area of the lesion?
      a. Leptomeninges
      b. Choroid plexus
      c. Dura mater
      d. Ependyma
   C. What is the primary inflammatory cell type?
   D. What is the best lesion diagnosis?

4. Based on the gross, microscopic, and CSF findings, what is the most likely diagnosis?
   A. Bacterial leptomeningitis
   B. Fungal meningitis
   C. Toxoplasmosis
   D. Lymphoma
   E. Trauma
   F. FIP

5. What ancillary testing would you like to do?