

1. A 45-year-old female patient presented with complaints of headache, memory disturbances, and change in personality for 6 months. Neurological examination revealed the presence of frontal lobe signs. Patient underwent frontal craniotomy and tumor excision and made uneventful recovery. What is the diagnosis?



- a. High-grade glioma
b. Ependymoma
c. Neurocytoma
d. PNET
2. Which of the following is considered a sensitive marker of Brain Tumor Stem Cell?
a. CD 133
b. p53
c. CD 33
d. CD 54
3. D. Parkinson first described the Parkinson's triangle for exposure of intracavernous ICA for the treatment of which of the following disease entities?
a. Cavernous ICA aneurysm
b. Carotid-cavernous fistula
c. Cavernous hemangioma
d. Cavernous sinus meningioma
4. Thalamic syndrome of Dejerine and Roussy, comprising contralateral loss of superficial and deep sensations, intractable hyperpathic pain, hypersensitivity to cutaneous stimuli, contralateral hemiplegia, and homonymous hemianopsia, is caused by infarction in the vascular territory supplied by which one of the following vessels?
a. Thalamoperforating arteries
b. Recurrent artery of Heubner
c. Posterior choroidal arteries
d. Thalamogeniculate arteries
5. In MRS spectrum, what is the sequence of peaks in terms of decreasing ppm (particles per million)?
a. Cr-NAA-Cho
b. Cho-Cr-NAA
c. Cr-Cho-NAA
d. NAA-Cho-Cr
6. Which of the following structures is not a derivative of Proatlax?
a. Apical ligament
b. Occipital condyles
c. Cruciate ligament
d. Jugular tubercle
7. Which of the following statements about cystic tumors of the CNS is true?
1. In cystic hemangioblastomas, curative resection means removal of cyst wall along with the solid tumor
2. In pilocytic astrocytomas, curative resection means removal of cyst wall along with the solid tumor
3. In cystic hemangioblastomas, curative resection does not require removal of cyst wall

Quiz

4. In pilocytic astrocytomas, curative resection does not require removal of cyst wall
 - a. 1 & 2
 - b. 3 & 4
 - c. 1 & 4
 - d. 2 & 3

8. Which of the following is not a differentiating feature of spinal astrocytomas from ependymomas?
 - a. Astrocytomas occur more frequently amongst children
 - b. Astrocytomas are eccentrically placed
 - c. Astrocytomas have well-defined margins
 - d. All of above

9. Which of the following is not an indication for surgery in proactinomas?
 - a. Patient loosing vision
 - b. Cystic prolactinomas
 - c. Prolactin levels >1000 ng/ml
 - d. Pituitary apoplexy

10. In patients with Ossified Posterior Longitudinal Ligament, all of the following factors favor posterior approach except?
 - a. Canal compromise >60%
 - b. Older age
 - c. Lordotic cervical spine curvature
 - d. Multilevel involvement

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Answers:

1. (a) High-grade glioma
2. (a) CD 133
3. (b) Carotid-cavernous fistula
4. (d) Thalamogeniculate arteries
5. (c) Cr-Cho-NAA
6. (d) Jugular tubercle
7. (d) 2 & 3
8. (c) Astrocytomas have well-defined margins
9. (c) Prolactin levels > 1000 ng/ml
10. (a) Canal compromise >60%