

**48th ANNUAL DIAGNOSTIC SLIDE SESSION, 2007
DIAGNOSES AND REFERENCES**

MODERATOR: E. Tessa Hedley-Whyte, M.D.

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Case 2007-10

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Diagnosis: Tanycytic ependymoma, WHO Grade II

Comment: In discussion, some members of the audience suggested that this neoplasm could be an angiocentric glioma. On immunocytochemistry, the tumor cells were strongly positive for S-100 protein and also strongly, diffusely positive for GFAP. EMA had focal, perinuclear, dot-like staining. MIB-1 labeling was described as moderate. On electron microscopy, there were tight junctions between the tumor cells. There was no evidence of neuronal differentiation, and the tumor was negative for Type IV collagen.

References:

Dvoracek MA and Kirby PA. Intraoperative diagnosis of tanycytic ependymomas: Pitfalls and differential diagnosis. *Diagnostic Cytopathol* 2000; 24:269-292.

Friede RL and Pollak A. The cytogenetic basis for classifying ependymomas. *J Neuropathol Exp Neurol*, 1978; 37:103-118.

Langford LA and Barre GM. Tanycytic ependymoma. *Ultrastruct Pathol* 1997; 21:135-142.