

**47th ANNUAL DIAGNOSTIC SLIDE SESSION, 2006  
REFERENCES AND DIAGNOSES**

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

**EDITOR: Leroy R. Sharer, M.D.**

**Case 2006-7**

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**Diagnosis: Spindle cell oncocytoma of the adenohypophysis**

**Comment:** Only a small number of such tumors has been reported to date.

From the Presenter: The tumor cells strongly expressed S-100 and vimentin, but the tumor was negative for pituitary hormones, cytokeratins, HMB 45, Pan-Mel, chromogranin, synaptophysin, EMA and CD68. Additional staining showed immunoreactivity for Galectin-3 (performed at the Mayo Clinic, as mentioned by the Presenter at the Session: note of the Editor) in the tumor cells.

**References:**

Dahiya S, Sarkar C, Hedley-Whyte ET, et al: Spindle cell oncocytoma of the adenohypophysis: report of two cases. *Acta Neuropathol* 2005; 110:97-99.

Kloub O, Perry A, Tu PH, et al: Spindle cell oncocytoma of the adenohypophysis. Report of two recurrent cases. *Am J Surg Pathol* 2005; 29:247-253.

Roncaroli F, Scheithauer BW, Cenacchi G, et al: 'Spindle cell oncocytoma' of the adenohypophysis. A tumor of folliculostellate cells? *Am J Surg Pathol* 2002; 26:1048-1055.