


Neuro Images

Meningioma with pneumosinus dilatans

Anne Mai, MD; John Karis, MD; and Kumaraswamy Sivakumar, MD

A 67-year-old woman presented with an episode of confusion. A complex partial seizure was suspected. Pneumosinus dilatans (PSD) associated with a cribriform plate meningioma was found on MRI. Histology revealed a meningothelial meningioma. An abnormally expanded, air-filled paranasal sinus best describes PSD. It can be associated with meningiomas or arachnoid cysts. The detection of a PSD is useful in identifying a cerebral mass as a meningioma, especially when it appears intrinsic to the brain. The presence of sphenoid PSD in patients with blindness helped identify optic nerve sheath meningiomas in the era when CT and MRI were not available.

From the Division of Neurology, Barrow Neurological Institute, St. Joseph's Hospital and Medical Center, Phoenix, AZ.

Received December 6, 2002. Accepted in final form January 31, 2003.

Address correspondence and reprint requests to Dr. K. Sivakumar, Barrow Neurological Institute, 240 W. Thomas Rd., Phoenix, AZ 85013; e-mail: ksivakumar@chw.edu


Meningioma with pneumosinus dilatans
Anne Mai, John Karis and Kumaraswamy Sivakumar
Neurology 2003;60;1861
DOI 10.1212/01.WNL.0000064170.08465.3B

This information is current as of June 10, 2003