

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

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

EDITOR: Leroy R. Sharer, M.D.

Case 2006-6

Submitted by: Lili-Nazna Hazrati, M.D., and William Halliday, M.D., Department of Paediatric Laboratory Medicine, Division of Pathology, University of Toronto, Toronto, Ontario M5G 1X8, CANADA.

Diagnosis: Desmoplastic infantile ganglioglioma

Comment: In the superficial parts of the tumor, there was reticulin, with only a few cells positive for GFAP, while the deeper portions had many more GFAP-positive cells. On electron microscopy, tumor cells had a basement membrane and intermediate filaments. Most of the reported cases of DIG have been in children less than two years of age, with a smaller number of patients between two and 25 years old. The prognosis is generally good, but several deaths have been reported in the infantile group of cases.

References:

De Munnynck K, Van Gool S, Van Calenbergh F, et al: Desmoplastic infantile ganglioglioma: a potentially malignant tumor? *Am J Surg Pathol* 2002; 26:1515-1522.

Kros JM, Delwel EJ, de Jong THR, et al: Desmoplastic infantile astrocytoma and ganglioglioma: a search for genomic characteristics. *Acta Neuropathol* 2002; 104:144-148.

Taratuto AL, VandenBerg SR, Rorke LB: Desmoplastic infantile astrocytoma and ganglioglioma. In: *Pathology and Genetics of Tumours of the Nervous System*. P Kleihues and WK Cavaneer, Eds., IARC Press, Lyon, 2000; pp. 99-102.

VandenBerg SR, May EE, Rubinstein LJ, et Al: Desmoplastic supratentorial neuroepithelial tumors of infancy with divergent differentiation potential ("desmoplastic infantile gangliogliomas"): report on 11 cases of a distinctive embryonal tumor with favorable prognosis. *J Neurosurg* 1987; 66:58-71.

Note: Dr. Hazrati received the second O.T. Bailey-Helena Riggs Award for best presentation by a trainee at the Diagnostic Slide Session, selected by vote of the Charter Members of the Diagnostic Slide Session and presented at the awards ceremony on September 15, 2006.