

**46th ANNUAL DIAGNOSTIC SLIDE SESSION, 2005
REFERENCES AND DIAGNOSES**

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

EDITOR: Leroy R. Sharer, M.D.

Case 2005-1

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Diagnosis: Hypoxic-ischemic injury, with cavitating lesions involving globus pallidus, putamen, and caudate nucleus, bilaterally

Comment: Suggested diagnoses included Leigh's disease, carbon monoxide poisoning, hypoxic metabolic injury and partial asphyxia. Electron microscopic studies did not reveal any inclusions in mitochondria, but striped inclusions of unknown type were found in Purkinje cells. The lesions seen in this child have been described in victims of strangulation.

References:

Dooling EC, Richardson EP: Delayed encephalopathy after strangling. Arch Neurol 1976; 33:196-199.

Hori A, Hirose G, Kataoka S, Tsukada K, Furui K, Tonami H: Delayed postanoxic encephalopathy after strangulation. Serial neuroradiological and neurochemical studies. Arch Neurol 1991; 48:871-874.

Lowe JS, and Leigh N: Disorders of movement and system degenerations. In: Greenfield's Neuropathology. DI Graham and PL Lantos, Eds., 7th ed., Arnold, London, Vol 2., 2002; pp. 393-394.