

**45th ANNUAL DIAGNOSTIC SLIDE SESSION, 2003
REFERENCES AND DIAGNOSES**

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

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Case 2004-7

Submitted by: Veena Rajaram, Washington University, St. Louis, MO

Diagnosis: Adenovirus meningoencephalomyelitis

Comment: A blood culture during life was positive for adenovirus in this patient. CSF on admission was negative, but a repeat CSF viral culture 10 days later was positive. Culture of the biopsy was also positive for virus, identified as serotype 26. The patient was treated with acyclovir. The diagnosis was confirmed by immunostaining of the tissue and by in situ hybridization, as well as by nucleic acid-amplification testing (PCR). Paracrystalline inclusions were observed by electron microscopy.

References:

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Kojaoghlanian T, Flomenberg P, Horwitz MS: The impact of adenovirus infection on the immunocompromised host. *Rev Med Virol* 2003; 13:155-171.

Pham TT, Burchette JL Jr, Hale LP: Fatal disseminated adenovirus infections in immunocompromised patients. *Am J Clin Pathol* 2003; 120:575-583.

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