Case 2005-3

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Diagnosis: Neuronal intranuclear inclusion disease (NIID), juvenile-sporadic

Comment: In addition to the inclusions, there was nerve cell loss in the substantia nigra, the dentate nuclei of the cerebellum, the red nucleus, and the anterior horns of the spinal cord. The inclusions were negative on immunocytochemistry (ICC) for measles antigen, tau, and polyglutamine, but they were positive for ubiquitin and SUMO-1 (small ubiquitin-like modifier). On electron microscopy the inclusions were non-membrane bound, consisting of randomly arrayed filaments.

References:


Note: Dr. McFadden received the first O.T. Bailey-Helena Riggs Award for best presentation by a trainee at the Diagnostic Slide Session, voted by the Charter Members of the Diagnostic Slide Session and presented after the President’s Symposium on Sunday, June 12, 2005. Also, this case has recently been published (J Neuropathol Exp Neurol 2005: 64:545-554).