NEURONAL ANTINUCLEAR ANTIBODY IN SENSORY NEURONOPATHY FROM LUNG CANCER

Francesc Graus, Carlos Cordon-Cardo, and Jerome B. Posner

Neurology 1985;35:538–543

We found an antinuclear antibody highly restricted to nuclei of neurons in two patients with subacute sensory neuronopathy complicating oat cell carcinoma of the lung. Serum was tested by indirect immunofluorescence and immunoperoxidase staining. At low concentrations of antibody, only the nuclei of the neurons were stained. At high concentrations, there was also staining of the nuclei of glial cells and fetal nonneural tissues. The cytoplasm of most neurons was stained with the immunoperoxidase method.

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Comment from Richard M. Ransohoff, MD, Associate Editor: A groundbreaking demonstration that paraneoplastic syndromes were associated with antibodies to neuronal components.

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