

the present case, but pathological findings could not be obtained in their cases.

Although the variety of clinical phenotypes, patterns on MRI, characteristics of pathology, and gene mutations are widely known in the cases of Alexander disease, the mechanisms mediating the disease remain unclear. At present, clinical and radiological observation provides the main clues to diagnosis, and genetic and pathologic analysis confirms the diagnosis. Further collection of cases that undergo these comprehensive analyses will lead to the elucidation of the underlying pathogenesis of Alexander disease.

Acknowledgment

The authors thank clinical laboratory technician Masamitsu Nagaoka (Department of Pathology, Oyamada Memorial Spa Hospital) for his technical assistance at the autopsy.

Competing interest

The authors have declared that no competing interests exist.

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