

A case of widespread cavernous angiomas of the central nervous system associated with acute neurologic deficit

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Background: Multiple cavernous angiomas(CA) in the central nervous system (CNS) are commonly associated with family history of CAs or previous radiation therapy on the CNS. In addition, neurologic deficit by spinal cavernous angioma more chronically appears in the adults compared than the children in which a rapid progression of the neurologic deficit associated with bleeding of CAs. Here in, we introduce a rare case in which a woman without familial or radiation history appeared with acute neurologic symptoms resulted from multiple CAs. Case Report: A 45-year-old female visited our clinic due to sudden right leg weakness and sensory loss. Brain and spinal cord magnetic resonance imaging showed widespread CA. CA in L1 spine level was accompanied by a hematoma of subacute stage with perilesional edema. Sensory loss was subsided after corticosteroid therapy. Conclusion: Diffuse involvement of CNS of CAs is rare condition without family history of CA and previous radiation therapy on the CNS. In conclusion, as in the present case, acute neurologic deficit can be associated with diffuse CAs in the CNS and extensive neuroimaging evaluation is needed to identify symptomatic CAs.