Lacunar infarction in brain tumor patients: chronic stage complication after radiation therapy

[Article in Japanese]


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The authors reported two relatively young adults with lacunar infarction that took place many years after radiation therapy. The first case was that of a 41-year-old male presenting with a slight decrease in consciousness and right hemiparesis of sudden occurrence. MRI revealed a lacunar infarction in the left internal capsule. This patient had received radiation therapy and chemotherapy for a right basal ganglia germinoma when he was 24 years old. The tumor completely disappeared and he was able to return to work. The second case was a 24-year-old female presenting with dysesthesia in the right upper extremity and nume of sudden occurrence. MRI disclosed a lacunar infarct in the right corona radiata. The patient had received radiation therapy for a suprasellar tumor when she was 11 years old. The tumor considerably decreased in size and the patient conducted normal social life thereafter. MRI showed a lacunar infarction in the right corona radiata. Review of the literature was made and the possibility of radiation therapy as a causative factor of the lacunar infarction in relatively young adults was discussed.

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