

Case Report

Central Neurocytoma Presenting with Intraventricular Hemorrhage

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Abstract.

Central neurocytoma is a rare intraventricular tumor of the central nervous system comprising 0.25 to 0.5% of all brain tumors. Most of its clinical symptoms are related to increased intracranial pressure resulting from obstructive hydrocephalus. A central neurocytoma presenting with acute symptoms from sudden intratumoral hemorrhage is even rarer.

A 29-year-old male experienced acute onset of headache and vomiting, followed by loss of consciousness, and was admitted to an area hospital. Computed tomography showed a right intraventricular heterogeneous lesion, with calcification and intraventricular hemorrhage, extending from the Foramen of Monro to the middle third of the ventricular body. Magnetic resonance T1-weighted images revealed an isointense mass with some foci of bright signal intensity. After contrast injection, the mass became mildly enhanced. Magnetic resonance T2-weighted images revealed bright signal intensity of this mass with some foci of low signal intensity within the mass. Under the impression of brain tumor with intratumoral hemorrhage, craniotomy and tumor excision were done via a right transcortical transventricular approach. Pathology showed a central neurocytoma. The patient was followed-up at the outpatient department for one year and no recurrence was noted. He resumed his daily activities and returned to full-time employment. Central neurocytoma is a rare hemorrhagic brain tumor in adults. The diagnosis and treatment of this disease are discussed.

Keywords : central neurocytoma, intraventricular hemorrhage, surgery

病例報告

以腫瘤出血為表現的中心性腦神經細胞瘤

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中文摘要

中心性腦神經細胞瘤是一種少見的中樞神經系統的腦室內腫瘤，它大約佔了所有腦瘤的 0.25 至 0.5%。在臨床症狀上多數表現和阻塞性水腦導致的腦壓上升有關，以出血表現造成患者急性症狀的中心性腦神經細胞瘤更是罕見。

本篇報告一例 29 歲男性，出現急性的頭痛與嘔吐，而後伴隨有意識不清送至醫院求診，經頭部電腦斷層發現於右側腦室有一異質性的病灶，位在孟絡氏洞至腦室中