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1: [Childs Nerv Syst.](#) 2009 Feb 27. [Epub ahead of print]



**Metachronous gliomas following cranial irradiation for mixed germ cell tumors.**

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INTRODUCTION: Cranial irradiation has been widely used as a therapeutic tool for treating various lesions, particularly neoplastic diseases. Even though radiation therapy is usually well-tolerated, it occasionally causes clinically significant long-term toxicity such as radiation necrosis and irradiation-related arteriopathy with stroke. DISCUSSION AND CASE REPORT: The development of neoplasms following therapeutic cranial irradiation is also rare, but may cause serious and potentially fatal complications. Various radiation-induced tumors, including meningioma, glioma, and sarcoma have been reported (*Child Nerv Syst* 24:793-805, 12). However, metachronous intracranial double tumors induced by radiation therapy are extremely rare. In here, we report a case of metachronous different gliomas including astrocytoma and glioblastoma following irradiation therapy after 41 and 46 months, respectively.

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