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Cutaneous Seeding of Glioblastoma: A Case Report and Literature Review

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Abstract

We present the case of a 61-year-old male patient with a history of intracranial IDH-wildtype glioblastoma with an isolated cutaneous metastasis within the previous surgical site scar. The cytomorphology of the cutaneous deposits was reminiscent of metastatic melanoma, which is a differential diagnostic pitfall. The tumor molecular characteristics are described, as these have become essential diagnostic criteria for many central nervous system tumors, along with a discussion of the role of immunohistochemical markers and potential pitfalls in the differential diagnosis of melanoma and poorly differentiated carcinoma. We discuss the biology of metastatic glioblastoma and provide a focused literature review of previous glioblastomas with tumor cell seeding within prior surgical scars.

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