

ABSTRACT

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Molecular and clinical characterization of H3 K27M-mutant "non-midline" glioblastoma: A case report and literature review.

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The WHO classification of tumors of the CNS in 2016 defined "diffuse midline glioma, H3 K27M-mutant" as a new tumor entity locating in the CNS midline. However, the H3 K27M-mutation in "non-midline" glioblastoma are rare and their characteristics have been rarely reported. A 16-year-old girl presented a hyper-intense lesion at her left temporal stem on T2WI, FLAIR and DWI. Biopsy was performed and molecular pathological diagnosis was glioblastoma with H3 K27M-mutant. Accordingly, the possibility of H3 K27M-mutant should be examined not only for diffuse glioma without IDH mutation that develops at a midline location, but also in non-midline locations.

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