Glioblastoma multiforme metastastic to the bone: diagnosis by (18)F-NaF PET/CT.

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Abstract

Extracranial metastases from glioblastoma multiforme (GBM) are rare. We report a case of osseous metastases from GBM diagnosed by F-NaF PET/CT. A 30-year-old man with a history of GBM presented with bone pain and underwent F-NaF PET/CT for further evaluation. On PET/CT, intense uptake in 2 bone lesions was noted. Histopathologic evaluation revealed osseous metastases from GBM. Although rare, bone metastases have to be considered in patients with axial tumors and atraumatic bone pain. F-NaF PET/CT is a highly sensitive and valuable tool for detection of osseous metastases.

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