Detection by $^{18}$F-FDG PET of unsuspected extensive bone marrow metastases in a case of basosquamous carcinoma of the cheek

Abstract

An unusual case of basosquamous carcinoma (BSC) is presented where $^{18}$-fluorodeoxyglucose positron emission tomography ($^{18}$F-FDG-PET) scan diagnosed unsuspected extensive metastatic disease in the bone marrow, which was further proven histopathologically. The patient was a 32 years old man with history of recently diagnosed basosquamous carcinoma of left cheek involving left lower eyelid and left eyeball. In conclusion, this is the first reported case of the use of $^{18}$F-FDG-PET study for diagnosing metastatic bone marrow disease in a patient with basosquamous carcinoma.

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