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**Format:** Abstract

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## **18F-PSMA 1007 Brain PET/CT Imaging in Glioma Recurrence.**

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#### **Abstract**

A 64-year-old man with a known case of right parietal lobe glioblastoma multiforme operated on in August 2018 was referred for F-FDG PET/CT with a clinical suspicion of recurrence. He underwent F-FDG and F-PSMA 1007 scans. Both the scans showed intense tracer uptake in right parietal lobe lesion, which concurred with MRI findings of recurrent disease and was later proven on histopathologic examination as recurrence. Our case highlights the feasibility of F-PSMA 1007 PET/CT imaging of suspected glioblastoma recurrence. Considering its similarity to PSMA-617, it may be used as a surrogate imaging tracer for potential theranostic application using alpha or beta emitters.

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