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# Excellent Response of Glioblastoma Multiforme to [ <sup>177</sup> Lu] Lu-PSMA Therapy

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## Abstract

The application of PSMA theranostic pairs in the glioblastoma multiform (GBM) has gained attention recently due to reports of PSMA radiotracer uptake in these tumors. The presented case is a 42-year-old man who had a known case of GBM with no response to standard-of-care therapy. However, 6 doses of 100-150 mCi <sup>177</sup> Lu-PSMA-617 therapy with short intervals of 4-5 weeks revealed excellent response on both MRI and 99m Tc-HYNIC-PSMA-11 scintigraphy. Though more dedicated studies are warranted, this case highlighted the potential efficacy of the <sup>177</sup> Lu-PSMA therapy in recurrent refractory GBM.

**Keywords:** GBM; [<sup>177</sup>Lu] Lu-PSMA therapy; theranostic.

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