

## PubMed

U.S. National Library of Medicine  
National Institutes of Health

Display Settings: Abstract

[Med Oncol.](#) 2009 Nov 18. [Epub ahead of print]

### **Pathologic complete response of a solitary melanoma brain metastasis after local ablative radiation therapy: case report.**

Register S, Clarke JW, Chaudhury AR, Lo SS.

Mount Carmel Health System, Columbus, OH, USA, [stevenregistermd@gmail.com](mailto:stevenregistermd@gmail.com).

A 73-year-old female with malignant melanoma metastatic to her left frontal lobe status post-gross total resection of the metastasis, whole brain radiotherapy, and Gamma Knife-based stereotactic radiosurgery for local recurrence presented with an area of increasing enhancement on follow-up magnetic resonance imaging (MRI) and hypermetabolic lesions on 18-fluorodeoxyglucose positron emission tomography/computerized tomography ((18)FDG PET/CT) of the brain suspicious for tumor recurrence. Surgical resection of the lesion was performed showing radiation necrosis with no evidence of tumor. The patient was alive 1 year after her second craniotomy. This case illustrates that despite being perceived as a radioresistant histology, complete local eradication of melanoma is possible with ablative dose regimens. Prolonged survival is possible in patients with limited metastatic melanoma if local tumor control is achieved.

PMID: 19921550 [PubMed - as supplied by publisher]

[LinkOut](#) - more resources