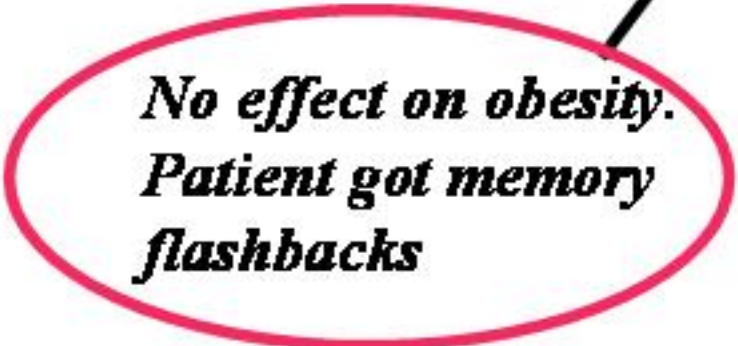


**Separating Hope from Hype:
Some Ethical Implications of
the Development of Deep
Brain Stimulation in Psychiatric
Research and Treatment**

Thomas E. Schlaepfer, MD, S.H. Lisanby, MD, and Stefano Pallanti, MD, PhD

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***No effect on obesity.
Patient got memory
flashbacks***

26. Hamani C, McAndrews MP, Cohn M, et al. Memory enhancement induced by hypothalamic/fornix deep brain stimulation. *Ann Neurol*. 2008;63:119-123.
27. Sani S, Jobe K, Smith A, Kordower JH, Bakay RA. Deep brain stimulation for treatment of obesity in rats. *J Neurosurg*. 2007;107:809-813.

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*DBS effect in
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26. Hamani C, McAndrews MP, Cohn M, et al. Memory enhancement induced by hypothalamic/fornix deep brain stimulation. *Ann Neurol*. 2008;63:119-123.
27. Sani S, Jobe K, Smith A, Kordower JH, Bakay RA. Deep brain stimulation for treatment of obesity in rats. *J Neurosurg*. 2007;107:809-813.

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MR imaging of stereotaxic pallidotomy and thalamotomy.

Friedman DP, Goldman HW, Flanders AE.

Dept. of Radiology, Jefferson Medical College, PA

MER-guided
thalamotomy



Mel. - Thal.

Friedman PA, AJR 1997

A

**Multiple
Intersecting
Microelectrode
tracks
To "map"
The pallidal
Target in view
of pallidotomy**

