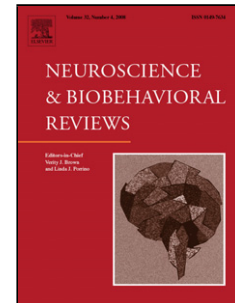


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Neuromodulation for Substance Addiction in Human Subjects: A Review

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HIGHLIGHTS:

- Substance abuse and addiction are serious and costly socioeconomic problems
- Neuromodulation therapies have shown significant promise for treating addiction
- DBS and transcranial techniques have gathered considerable research interest of late
- The NAc is the most well-studied target with respect to DBS for addiction
- Apprehension regarding the invasiveness of DBS for addiction must be addressed

ABSTRACT

Substance abuse is one of the most prevalent and costly health problems in the world today. Standard medical therapy is often not curative, and relapse is common. Research over the past several decades on the neural underpinnings of addiction has implicated a network of structures within the brain shown to be

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