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Deep brain stimulation for obsessive-compulsive disorder: A systematic review of worldwide experience after 20 years

Worldwide experience on DBS for OCD

Abstract

BACKGROUND

Twenty years after its first use in a patient with Obsessive-Compulsive Disorder (OCD), the results confirm that deep brain stimulation (DBS) is a promising therapy for patients with severe and resistant forms of the disorder. Nevertheless, many unknowns remain, including the optimal anatomical targets, the best stimulation parameters, the long-term effects of the therapy, and the clinical or biological factors associated with response.

This systematic review of the articles published to date on DBS for OCD assesses the

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Background: While case series have established the efficacy of **deep brain stimulation** (DBS) in treating obsessive-compulsive **disorder** (OCD), it has been our **experience** that few OCD patients present without comorbidities that affect outcomes associated with DBS treatment. Here we present our **experience** with DBS therapy **for OCD** in patients who all have comorbid disease, together with the results of our ...

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Obsessive-compulsive disorder (OCD) is characterized by unwanted recurrent, intrusive, anxious thoughts (obsessions) and repetitive ritualized behaviors aimed at preventing or reducing distress (compulsions). 1 Although many patients respond to medications and/or psychotherapy, 40% to 60% continue to **experience** symptoms despite adequate medical management. 2, 3 In the late 1990s, Nuttin et al 4 carried out the first study using **deep brain stimulation** (DBS) to treat **OCD**.

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