



Title: Unilateral pallidotomy for Meigesyndrome: a retrospective report of Twenty-eight Cases

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Abstract:

Introduction and Objectives: To explore the clinical application of unilateral pallidotomy in Meige syndrome.

Methods: Twenty-eight patients with Meige syndrome were treated with Unilateral pallidotomy and botulinum toxin (BTX) between January 2016 and January 2021.

Results: Twenty-eight patients with stereotaxic unilateral pallidotomy were followed up for two years, and the efficacy was relatively stable. The Burke-Fahn-Marsden(BFM) dystonic motion score (BFMDMS) decreased from 25 points to 6 points, an improvement of about 80% compared with that before surgery. During surgery, a marked improvement of bilateral eyelid closure was observed. Three days after surgery, there was obvious bilateral improvement in blepharospasm (Jankovic rating scale, 0 on bothsides, blepharospasm disability index, 0 on both sides), and 12 months after surgery, there was a complete bilateral improvement in blepharospasm (Jankovic rating scale, 0 on both sides, blepharospasm disability index, 0 on both sides). The condition no longer interfered with their daily activities.

Conclusions: Unilateral pallidotomy plus botulinum toxin injection may be an effective treatment for patients with Meige syndrome.