

Joohi Jimenez-Shahed, M.D.



- **Assistant Professor of Neurology**
- **Associate Director, Neurology Residency Program**
- **Director, Deep Brain Stimulation Program**

Clinical Service Area

Neurology

Specialty

Parkinson's Disease
Tremors
Movement Disorders

Board Certification

American Board of Psychiatry and Neurology, Neurology

Clinic Appointments

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Consult

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Medical School

M.D., Baylor College of Medicine, Houston, Texas

Internship

Baylor College of Medicine, Houston, Texas

Residency

Neurology, Duke University Medical Center, Durham, N.C.

Clinical Fellowship

Parkinson's Disease and Movement Disorders, Baylor College of Medicine, Houston, Texas

Clinic Location

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Journal Publications

1. Baizabal-Carvallo JF, Kagnoff MN, Jimenez-Shahed J, Fekete R, Jankovic J. The safety and efficacy of thalamic deep brain stimulation in essential tremor: 10 years and beyond. *J Neurol Neurosurg Psychiatry*. 2014;85(5):567-72. [[View journal article](#)]
2. Beal MF, Oakes D, Shoulson I, Henschcliff C, Galpern WR, Haas R, et al. A randomized clinical trial of high-dosage coenzyme q10 in early Parkinson disease: no evidence of benefit. *JAMA Neurol*. 2014;71(5):543-52. [[View journal article](#)]
3. Patel N, Jimenez-Shahed J. Simultaneous improvement of tics and parkinsonism after pallidal DBS. *Parkinsonism Relat Disord*. 2014;20(9):1022-3. [[View journal article](#)]
4. Patel N, Ondo W, Jimenez-Shahed J. Habituation and Rebound to Thalamic Deep Brain Stimulation in Long-Term Management of Tremor Associated with Demyelinating Neuropathy. *Int J Neurosci*. 2014;:.
[[View journal article](#)]
5. Waln O, Jimenez-Shahed J. Rechargeable deep brain stimulation implantable pulse generators in movement disorders: patient satisfaction and conversion parameters. *Neuromodulation*. 2014;17(5):425-30. [[View journal article](#)]
6. Wijemanne S, Jimenez-Shahed J. Improvement in dystonic camptocormia following botulinum toxin injection to the external oblique muscle. *Parkinsonism Relat Disord*. 2014;20(10):1106-7.
[[View journal article](#)]
7. Zhu XY, Pan TH, Ondo WG, Jimenez-Shahed J, Wu YC. Effects of deep brain stimulation in relatively young-onset multiple system atrophy Parkinsonism. *J Neurol Sci*. 2014;342(1-2):42-4.
[[View journal article](#)]
8. Mehanna R, Hunter C, Davidson A, Jimenez-Shahed J, Jankovic J. Analysis of CYP2D6 genotype and response to tetrabenazine. *Mov Disord*. 2013;28(2):210-5. [[View journal article](#)]
9. Strickland BA, Jimenez-Shahed J, Jankovic J, Viswanathan A. Radiofrequency lesioning through deep brain stimulation electrodes: A pilot study of lesion geometry and temperature characteristics. *J Clin Neurosci*. 2013;20(12):1709-12. [[View journal article](#)]
10. Waln O, Jimenez-Shahed J. Rechargeable Deep Brain Stimulation Implantable Pulse Generators in Movement Disorders: Patient Satisfaction and Conversion Parameters. *Neuromodulation*. 2013;:.
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11. Jimenez-Shahed J. A new treatment for focal dystonias: incobotulinumtoxinA (Xeomin(R)), a botulinum neurotoxin type A free from complexing proteins. *Neuropsychiatr Dis Treat*. 2012;8:13-25.
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12. Ondo WG, Jankovic J, Simpson R, Jimenez-Shahed J. Globus pallidus deep brain stimulation for refractory idiopathic restless legs syndrome. *Sleep Med*. 2012;13(9):1202-4. [[View journal article](#)]
13. Viswanathan A, Jimenez-Shahed J, Baizabal Carvallo JF, Jankovic J. Deep brain stimulation for Tourette syndrome: target selection. *Stereotact Funct Neurosurg*. 2012;90(4):213-24. [[View journal article](#)]
14. Jankovic J, Jimenez-Shahed J, Brown LW. A randomized, double-blind, placebo-controlled study of topiramate in the treatment of Tourette syndrome. *J Neurol Neurosurg Psychiatry*. 2010;81(1):70-3.
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15. Deng H, Le W, Shahed J, Xie W, Jankovic J. Mutation analysis of the parkin and PINK1 genes in American caucasian early-onset Parkinson disease families. *Neurosci Lett*. 2008;430(1):18-22.
[[View journal article](#)]
16. Kenney C, Kuo SH, Jimenez-Shahed J. Tourette's syndrome. *Am Fam Physician*. 2008;77(5):651-8.
[[View journal article](#)]
17. Cheung MY, Shahed J, Jankovic J. Malignant Tourette syndrome. *Mov Disord*. 2007;22(12):1743-50.
[[View journal article](#)]
18. Diamond A, Shahed J, Jankovic J. The effects of subthalamic nucleus deep brain stimulation on parkinsonian tremor. *J Neurol Sci*. 2007;260(1-2):199-203. [[View journal article](#)]
19. Poysky J, Jimenez-Shahed J. Reply: Patient selection and assessment recommendations for deep brain stimulation in Tourette syndrome. *Mov Disord*. 2007;22(9):1366-7. [[View journal article](#)]

20. Shahed J, Jankovic J. Exploring the relationship between essential tremor and Parkinson's disease. *Parkinsonism Relat Disord.* 2007;13(2):67-76. [[View journal article](#)]
21. Shahed J, Poysky J, Kenney C, Simpson R, Jankovic J. GPi deep brain stimulation for Tourette syndrome improves tics and psychiatric comorbidities. *Neurology.* 2007;68(2):159-60. [[View journal article](#)]
22. Diamond A, Shahed J, Azher S, Dat-Vuong K, Jankovic J. Globus pallidus deep brain stimulation in dystonia. *Mov Disord.* 2006;21(5):692-5. [[View journal article](#)]
23. Shahed J, Jankovic J. Re-emergence of childhood stuttering in Parkinson's disease: a hypothesis. *Mov Disord.* 2001;16(1):114-8. [[View journal article](#)]

Book Chapters and Other Publications

1. Jimenez-Shahed J, Jankovic J. Childhood movement disorders. In: Gilman S, editor. *Neurology-Medlink.* Arbor Publishing, La Jolla, CA; 2012. Annual updates 2007-. Available from: <http://www.medlink.com/cip.asp?UID=mlt002k8&src=Search&ref=22473406>. [[View online multimedia](#)]
2. Shahed J, Jankovic J. Introduction to dystonia. In: Stacy M, editor. *Handbook of dystonia.* 2nd ed. New York: Taylor & Francis Group; 2012. (in press).
3. Shahed J, Jankovic J. An elderly lady with ataxia and neuropathy. In: Reich SG, editor. *Movement disorders: 100 instructive cases.* London: Martin Dunitz Ltd; 2008.
4. Shahed J, Jankovic J. Internet dyskinesia in Parkinson's disease. In: Reich SG, editor. *Movement disorders: 100 instructive cases.* London: Martin Dunitz Ltd; 2008.
5. Shahed J, Jankovic J. Introduction to dystonia. In: Stacy M, editor. *Handbook of dystonia.* New York: Informa Healthcare; 2007.
6. Shahed J, Jankovic J. Motor symptoms in Parkinson's disease. In: Koller WC, Melamed E, editors. *Parkinson's disease and related disorders. Handbook of clinical neurology.* 3rd ed. Vol. 1. Amsterdam: ElsevierAminoff, M. J.; 2007. p. 329-342.

Poster and Platform Presentations

1. Jimenez-Shahed J, Viswanath H, Velasquez K, Ramirez-Castaneda J, Baldwin P, Salas R. Impulsivity and resting state functional connectivity of the supplementary motor area in Parkinson's disease. Presented at the Movement Disorder Society (MDS), 18th International Congress of Parkinson's Disease and Movement Disorders in Stockholm, Sweden (June 8-12, 2014). [[View poster](#)]
2. Jimenez-Shahed J, York M, Smith-Gloyd EM, Jankovic J, Viswanathan A. MER vs. MRI guidance in placement of DBS electrodes for Parkinson's disease. Presented at the Movement Disorder Society (MDS), 18th International Congress of Parkinson's Disease and Movement Disorders in Stockholm, Sweden (June 8-12, 2014). [[View poster](#)]
3. Luo L, Jimenez-Shahed J. Deep brain stimulation targets for the treatment of dystonic tremor. Presented at the Movement Disorder Society (MDS), 18th International Congress of Parkinson's Disease and Movement Disorders in Stockholm, Sweden (June 8-12, 2014). [[View poster](#)]
4. Thenganatt MA, Srinivasan VM, Viswanathan A, Jimenez-Shahed J. Deep brain stimulation troubleshooting: Revision vs. reprogramming. *Stereotact Funct Neurosurg.* 2014;92(suppl 1): 52. [[View poster](#)]
5. Waln O, Jimenez-Shahed J. Constant voltage versus constant current deep brain stimulation: Is impedance fluctuation sufficient to favor constant current stimulation? Presented at the Movement Disorder Society (MDS), 18th International Congress of Parkinson's Disease and Movement Disorders in Stockholm, Sweden (June 8-12, 2014). [[View poster](#)]
6. Jimenez-Shahed J, Waln O. Use of interleaving in deep brain stimulator programming in patients with movement disorders. *Neurology.* 2014;82(Meeting Abstracts 1):P6.076. [[View poster](#)]
7. Shah DP, Jimenez-Shahed J. Clinical manifestations of tolerance to deep brain stimulation. *Neurology.* 2014;82(Meeting Abstracts 1):P6.075. [[View poster](#)]
8. Waln O, Jimenez-Shahed J. Clinical significance of abnormal electrode impedance readings in deep brain stimulation for treatment of movement disorders. *Neurology.* 2014;82(Meeting Abstracts 1):P6.077. [Previously Presented] [[View poster](#)]
9. Wijemanne S, Waln O, Jimenez-Shahed J. Concurrent bilateral Vim and STN DBS in a patient with ET/PD. *Neurology.* 2014;82(Meeting Abstracts 1):P7.055. [[View poster](#)]

10. Waln O, Jimenez-Shahed J. Clinical significance of abnormal electrode impedance readings in deep brain stimulation for treatment of movement disorders. *Mov Disord.* 2013;28(10):e3. [[View poster](#)]
11. Waln O, Jimenez-Shahed J. Constant voltage versus constant current deep brain stimulation: Is impedance fluctuation significant to favor constant current stimulation? *Mov Disord.* 2013;28(10):e3. [[View poster](#)]
12. Patel N, Ondo W, Jimenez-Shahed J. A case control series of thalamic DBS in patients with demyelinating neuropathy and medication refractory tremors. Presented at the Movement Disorder Society (MDS), 17th International Congress of Parkinson's Disease and Movement Disorders in Sydney, Australia (June 16-20, 2013). [[View poster](#)]
13. Patel N, Richter A, Donovan D, Jimenez-Shahed J. Unilateral ventral intermediate deep brain stimulation improves spasmodic dysphonia. Presented at the Movement Disorder Society (MDS), 17th International Congress of Parkinson's Disease and Movement Disorders in Sydney, Australia (June 16-20, 2013). [[View poster](#)]
14. Kagnoff M, Jimenez Shahed J. Improvement in cortical myoclonus in a patient with VIM deep brain stimulation for essential tremor. *Neurology.* 2013;80(Meeting Abstracts 1):P07.202. [[View poster](#)]
15. Patel N, Jimenez Shahed J. Simultaneous improvement of tics and drug-induced parkinsonism after Gpi DBS: A case report. *Neurology.* 2013;80(Meeting Abstracts 1):IN11-1.006. [[View poster](#)]
16. Patel N, York M, Phan C, Jimenez Shahed J. Identifying the correlates of pseudobulbar affect in patients with parkinsonian disorders and ALS. *Neurology.* 2013;80(Meeting Abstracts 1):P05.125. [[View poster](#)]
17. Wijemanne S, Jimenez Shahed J. Improvement in camptocormia following botulinum toxin injection to the external oblique muscle. *Neurology.* 2013;80(Meeting Abstracts 1):P06.105. [[View poster](#)]
18. Mehanna R, Hunter C, Davidson A, Ondo W, Jimenez-Shahed J, Jankovic J. Analysis of CYP2D6 genotype and response to tetrabenazine. *Mov Disord.* 2012;27(Suppl 1):S457. [[View poster](#)]
19. Morgan L, Jimenez-Shahed J, Todaro V, Welsh M. Parkinson's advocates in research: The impact of peer-to-peer education and outreach on Parkinson's study inquiry and enrollment among people with Parkinson's and care partners. *Mov Disord.* 2012;27(Suppl 1):S143.
20. Ondo WG, Jankovic J, Jimenez-Shahed J. Globus pallidus deep brain stimulation for refractory idiopathic restless legs syndrome. *Mov Disord.* 2012;27(Suppl 1):S404.
21. York MK, Marsh L, Jimenez-Shahed J, Okun M, Moro E, Hunter C, et al. Parkinson's Study Group Neurosurgical Working Group (PSG-NSWG) deep brain stimulation (DBS) non-motor symptoms (NMS) survey: Real world pre-operative practice patterns. *Mov Disord.* 2012;27(Suppl 1):S172. [Previously Presented] [[View poster](#)]
22. Patel N, Ondo W, Jimenez-Shahed J. A case control series of thalamic DBS in patients with demyelinating neuropathy and medication refractory tremors. *Mov Disord.* 2012;27(4):e4. [[View poster](#)]
23. York MK, Marsh L, Jimenez-Shahed J, Okun M, Moro E, Hunter C, et al. Parkinson's Study Group Neurosurgical Working Group (PSG-NSWG) deep brain stimulation (DBS) non-motor symptoms (NMS) survey: Real world pre-operative practice patterns. *Mov Disord.* 2012;27(4):e12. [[View poster](#)]
24. Jimenez Shahed J, Scott B, Strutt A. Long-term neuropsychological follow-up in pallidal stimulation for medically-refractory Tourette syndrome. *Neurology.* 2012;78(Meeting Abstracts 1):P06.037. [[View poster](#)]
25. Waln O, Jimenez Shahed J, Juliet Wendt, York M, Baizabal Carvallo J, Mehanna R, et al. Diagnostic reliability of DaT scan in movement disorders. *Neurology.* 2012;78(Meeting Abstracts 1):P03.125. [[View poster](#)]
26. Waln O, Jimenez Shahed J. Use of rechargeable DBS implantable pulse generators in patients with movement disorders: Patient satisfaction and stimulation parameters. *Neurology.* 2012;78(Meeting Abstracts 1):P02.237. [[View poster](#)]
27. Jimenez-Shahed J. Programming parameters and outcome in GPi deep brain stimulation (DBS) for Tourette syndrome (TS). *Mov Disord.* 2011;26 Suppl 2:S88-9. [[View poster](#)]
28. Elliott R, Todaro V, Cook M, Jimenez-Shahed J, Kavanagh P, Thomas CA, et al. Peer-to-peer clinical research outreach and education: A model for increasing clinical study awareness, inquiry and enrollment among people with Parkinson's. *Neurology.* 2011;76(Suppl 4):A44.
29. Jankovic J, Jimenez-Shahed J, Brown LW. A randomized, double-blind, placebo-controlled study of topiramate in the treatment of Tourette syndrome. *Mov Disord.* 2009;24 Suppl 1:S497. [[View poster](#)]
30. Jimenez-Shahed J, Baker K, Davidson A, Jankovic J. The role of dopaminergic medication doses in impulse control disorders (ICD) in Parkinson's disease (PD). *Mov Disord.* 2008;23 Suppl 1:S82.

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31. Kuo SH, Jimenez-Shahed J. Topiramate in treatment of Tourette's syndrome (TS). *Mov Disord.* 2008;23 Suppl 1:S145-6. [\[View poster\]](#)
 32. Jimenez-Shahed J, Calhoun K, Davidson A, Jankovic J. Craving for sweets and other compulsive behaviors in patients with Parkinson's disease. *Neurology.* 2008;70(11 Suppl 1):A288-9. [\[View poster\]](#)
 33. Jimenez-Shahed J, Hunter CB, Jankovic J. Acamprosate improves impulse control disorders in Parkinson's disease. *Neurology.* 2008;70(11 Suppl 1):A288. [\[View poster\]](#)
 34. Shahed J, Poysky J, Kenney C, Simpson R, Jankovic J. Motor and behavioral outcomes after bilateral GPI deep brain stimulation for severe Tourette syndrome. *Mov Disord.* 2007;22 Suppl 16:S283.
 35. Cheung MC, Shahed J, Jankovic J. Malignant Tourette syndrome. *Neurology.* 2007;68(12 Suppl 1):A155.
 36. Deng H, Le W, Shahed J, Jankovic J. Three parkin mutations in a family with Parkinson's disease. *Neurology.* 2007;68(12 Suppl 1):A323.
 37. Diamond A, Shahed J, Jankovic J. The effects of subthalamic nucleus deep brain stimulation on parkinsonian tremor. *Mov Disord.* 2006;21 Suppl 15:S668.
 38. Shahed J, Davidson A, Jankovic J. Craving sweets in Parkinson's disease. *Mov Disord.* 2006;21 Suppl 15:S599. [\[View poster\]](#)
 39. Shahed J, Poysky J, Kenney C, Simpson Jr RK, Jankovic J. GPI deep brain stimulation for Tourette syndrome improves tics and psychiatric co-morbidities. *Mov Disord.* 2006;21 Suppl 15:S693. [\[View poster\]](#)
 40. Shahed J, Poysky J, Kenney C, Simpson Jr RK, Jankovic J. Bilateral GPI deep brain stimulation for Tourette syndrome. *Neurology.* 2006;66(5 Suppl 2):A366. [\[View poster\]](#)
 41. Shahed J, Diamond AL, Vuong KD, Jankovic J. Characteristics of Parkinson's disease in patients with childhood-onset essential tremor. *Neurology.* 2005;64(6 Suppl 1):A255. [Previously Presented] [\[View poster\]](#)
- Azher SN, Vuong KD, Shahed J, Diamond AL, Jankovic J. Gait and balance assessment in parkinsonian disorders. *Mov Disord.* 2005;20 Suppl 10:S112-3. [\[View poster\]](#)
 - Diamond AL, Shahed J, Azher SN, Vuong KD, Jankovic J. Globus pallidus deep brain stimulation in dystonia. *Mov Disord.* 2005;20 Suppl 10:S153-4. [\[View poster\]](#)
 - Shahed J, Diamond AL, Vuong KD, Jankovic J. Characteristics of Parkinson's disease in patients with childhood-onset essential tremor. *Mov Disord.* 2005;20 Suppl 10:S169-70. [\[View poster\]](#)