

CURRICULUM VITAE

Donald J. Weisz

don.weisz@mirroredmotionworks.com

APPOINTMENTS/EMPLOYMENT

Academic Appointments

Assistant Professor, Dept of Psychology, Yale University, 1981-88

Associate Professor, Depts of Neurological Surgery and Behavioral Neuroscience, University of Pittsburgh, 1988-92

Assistant Chairman, Department of Behavioral Neuroscience, University of Pittsburgh, 1988-1990

Associate Professor, Departments of Neurosurgery and Neurology, Mount Sinai School of Medicine (MSSM), September, 1992-September, 2013

Adjunct Associate Professor, Department of Neurosurgery, 2013-present

Hospital Appointments

Clinical Neurophysiologist, Center for Clinical Neurophysiology, University of Pittsburgh Medical Center, 1988-1992

Director, Laboratory for Clinical Neurophysiology, Department of Neurosurgery, Mount Sinai Hospital, 1992-2013

Attending Neurophysiologist, Mount Sinai Hospital, 1992-2013

EDUCATION

Institution and Location	Degree	Years	Field of Study	Mentor
Ohio Northern Univ, Ada, OH	B.A.	1969	Psychology	
Kent State Univ, Kent, OH	Ph.D.	1977	Physiological Psychology	Richard Vardaris, PhD

Postdoctoral Training

University of California, Irvine, CA

1977-80 Neurophysiology Richard

Stanford University, Palo Alto, CA

1980 Neurophysiology Thompson, PhD

CERTIFICATION

Diplomate

D.ABNM, American Board of Neurophysiological Monitoring

LICENSURE

Psychologist, The University of the State of New York, License No. 012957-1 (1996-2013)

HONORS/AWARDS

Yale University Junior Faculty Fellowship

PATENTS

United States Patent

Title: REHABILITATIVE TRAINING DEVICES FOR USE BY STROKE PATIENTS

Patent No.: US 8,523,792 B2

Date of Patent: September 3, 2013

Co-Inventors: Donald J. Weisz, PhD and Preeti Raghavan, MD

OTHER PROFESSIONAL ROLES

American Society for Neurophysiological Monitoring (ASNM)

Board of Directors (2007-2011)

Chairman, Guidelines Committee (2007-2013)

American Board of Neurophysiologic Monitoring (ABNM)

Board of Directors (2011-2013)

GRANTS, CONTRACTS, FOUNDATION SUPPORT

PAST GRANTS

<u>List Funding Source, Project Title & Number</u>	<u>Role in Project</u>	<u>Dates</u>	<u>Direct Costs</u>	<u>Supplemental Info</u>
<u>1. NINCDS, Role of Hippocampus during Classical Conditioning</u>	<u>PI</u>	<u>1977-80</u>	<u>N/A</u>	<u>N/A</u>
<u>2. NIMH; Hippocampus and Latent Inhibition</u>	<u>PI</u>	<u>1981-82</u>	<u>N/A</u>	<u>N/A</u>
<u>3. NIMH; Dentate Gyrus and NM Conditioning</u>	<u>PI</u>	<u>1982-83</u>	<u>N/A</u>	<u>N/A</u>
<u>4. NIMH; Neural Origins of ERPs</u>	<u>PI</u>	<u>1983-84</u>	<u>N/A</u>	<u>N/A</u>
<u>5. NIMH; Neural Origins of ERPs</u>	<u>PI</u>	<u>1985-88</u>	<u>N/A</u>	<u>N/A</u>
<u>6. NIMH; Physiology of Reflex Modification</u>	<u>PI</u>	<u>1989-93</u>	<u>N/A</u>	<u>N/A</u>
<u>7. NIMH; Behavioral Neuroscience and Schizophrenia</u>	<u>Co-investigator; conception of studies, instrumentation, data analysis, co-author of manuscripts; 5%</u>	<u>1990-93</u>	<u>N/A</u>	<u>N/A</u>
<u>8. Bachman-Strauss</u>	<u>Co-PI; conception of studies, instrumentation, data analysis,</u>	<u>2000-2001</u>	<u>N/A</u>	<u>N/A</u>

<u>9. Mount Sinai Technology Development Fund; Finger Extension and Upper Arm Rehabilitation Devices for Stroke Patients</u>	<u>co-author of manuscripts; 5%</u> <u>PI</u>	<u>2009-2010</u>	<u>N/A</u>	<u>N/A</u>
<u>10. NIH; Cerebral Function after Hypothermic Circulatory Arrest</u>	<u>Co-investigator; instrumentation, data analysis, co-author of manuscripts; 5-10%</u>	<u>1995-2012</u>	<u>N/A</u>	<u>N/A</u>

PUBLICATIONS

Peer Reviewed Original Contributions

1. Vardaris RM, **Weisz DJ**, Fazel A, Rawitch AB. Chronic administration of delta-9-tetrahydrocannabinol to pregnant rats: studies of pup behavior and placental transfer. Pharmacol Biochem Behav. 1976 Mar;4(3):249-54.

- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content

2. Vardaris RM, **Weisz DJ**. delta9-tetrahydrocannabinol and the hippocampus: effects on CA1 field potentials in rats. Brain Res Bull. 1977 May-Jun;2(3):181-7.

- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content

3. **Weisz DJ**, Gunnell DL, Teyler TJ, Vardaris RM. Changes in hippocampal CA1 population spikes following administration of delta-9-THC. 1982 Brain Res Bull. Feb;8(2):155-62.

4. Berger TW, Rinaldi PC, **Weisz DJ**, Thompson RF. Single-unit analysis of different hippocampal cell types during classical conditioning of rabbit nictitating membrane response. J Neurophysiol. 1983 Nov;50(5):1197-219.

- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content

5. **Weisz DJ**, Clark GA, Thompson RF. Increased responsivity of dentate granule cells during nictitating membrane response conditioning in rabbit. Behav Brain Res. 1984 May;12(2):145-54.

6. Contreras RJ, Bird E, **Weisz DJ**. Behavioral and neural gustatory responses in rabbit. Physiol Behav. 1985 May;34(5):761-8.

- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content

7. Solomon PR, Vander Schaaf ER, Thompson RF, **Weisz DJ**. Hippocampus and trace conditioning of the rabbit's classically conditioned nictitating membrane response. Behav Neurosci. 1986 Oct;100(5):729-44.
 - Data acquisition
 - Data analysis and interpretation
 - Drafting or revising critically important intellectual content
8. Loechner KJ, **Weisz DJ**. Hippocampectomy and feature-positive discrimination. Behav Brain Res. 1987 Oct;26(1):63-73.
9. Koutalidis O, Foster A, **Weisz DJ**. Parallel pathways can conduct visual CS information during classical conditioning of the NM response. J Neurosci. 1988 Feb;8(2):417-27.
10. **Weisz DJ**, LoTurco JJ. Reflex facilitation of the nictitating membrane response remains after cerebellar lesions. Behav Neurosci. 1988 Apr;102(2):203-9.
11. **Weisz DJ**, Walts C. Reflex facilitation of the rabbit nictitating membrane response by an auditory stimulus as a function of interstimulus interval. Behav Neurosci. 1990 Feb;104(1):11-20.
12. **Weisz DJ**, McInerney J. An associative process maintains reflex facilitation of the unconditioned nictitating membrane response during the early stages of training. Behav Neurosci. 1990 Feb;104(1):21-7.
13. Thiels E, **Weisz DJ**, Berger TW. In vivo modulation of N-methyl-D-aspartate receptor-dependent long-term potentiation by the glycine modulatory site. Neuroscience. 1992;46(3):501-9.
 - Data acquisition
 - Data analysis and interpretation
 - Drafting or revising critically important intellectual content
14. **Weisz DJ**, Harden DG, Xiang Z. Effects of amygdala lesions on reflex facilitation and conditioned response acquisition during nictitating membrane response conditioning in rabbit. Behav Neurosci. 1992 Apr;106(2):262-73.
15. Yang BY, **Weisz DJ**. An auditory conditioned stimulus modulates unconditioned stimulus-elicited neuronal activity in the cerebellar anterior interpositus and dentate nuclei during nictitating membrane response conditioning in rabbits. Behav Neurosci. 1992 Dec;106(6):889-99.
16. Yerlioglu ME, Wolfe D, Mezrow CK, **Weisz DJ**, Midulla PS, Zhang N, Shiang HH, Bodian C, Griep RB. The effect of retrograde cerebral perfusion after particulate embolization to the brain. J Thorac Cardiovasc Surg. 1995 Nov;110(5):1470-84; discussion 1484-5.
 - Data acquisition
 - Data analysis and interpretation
17. Hirigoyen MB, Rhee JS, **Weisz DJ**, Zhang WX, Urken ML, Weinberg H. Reappraisal of the inferior epigastric flap: a new neurovascular flap model in the rat. Plast Reconstr Surg. 1996 Sep;98(4):700-5.
 - Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
 - Drafting or revising critically important intellectual content
18. Rhee JS, **Weisz DJ**, Hirigoyen MB, Sinha U, Alcaraz N, Urken ML. Intraoperative mapping of sensate flaps. Electrophysiologic techniques and neurosomal boundaries. Arch Otolaryngol Head Neck Surg. 1997 Aug;123(8):823-9.
 - Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
 - Drafting or revising critically important intellectual content
19. Juvonen T, **Weisz DJ**, Wolfe D, Zhang N, Bodian CA, McCullough JN, Mezrow CK, Griep RB. Can retrograde perfusion mitigate cerebral injury after particulate embolization? A study in a chronic porcine model. J Thorac Cardiovasc Surg. 1998 May;115(5):1142-59.
 - Conception and design of study
 - Data acquisition
 - Data analysis and interpretation

20. Juvonen T, Zhang N, Wolfe D, **Weisz DJ**, Bodian CA, Shiang HH, McCullough JN, Griep RB. Retrograde cerebral perfusion enhances cerebral protection during prolonged hypothermic circulatory arrest: a study in a chronic porcine model. Ann Thorac Surg. 1998 Jul;66(1):38-50.

- Data acquisition
- Data analysis and interpretation

21. Wackym PA, King WA, **Weisz DJ**. Vascular compression of the cochlear nerve identified by endoscopy during acoustic neuroma surgery. Otolaryngol Head Neck Surg. 1999 Apr;120(4):535.

22. Deutsch H, Arginteanu M, Manhart K, Perin N, Camins M, Moore F, Steinberger AA, **Weisz DJ**. Somatosensory evoked potential monitoring in anterior thoracic vertebrectomy. J Neurosurg. 2000 Apr;92(2 Suppl):155-61. Review.

23. Morrison CE, Borod JC, Brin MF, Raskin SA, Germano IM, **Weisz DJ**, Olanow CW. A program for neuropsychological investigation of deep brain stimulation (PNIDBS) in movement disorder patients: development, feasibility, and preliminary data. Neuropsychiatry Neuropsychol Behav Neurol. 2000 Jul;13(3):204-19.

- Data acquisition
- Data analysis and interpretation

24. Amirali A, Tsai G, Schrader N, **Weisz D**, Sanders I. Mapping of brain stem neuronal circuitry active during swallowing. Ann Otol Rhinol Laryngol. 2001 Jun;110(6):502-13

- Conception and design of study
- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content

25. Hagl C, Tatton NA, **Weisz DJ**, Zhang N, Spielvogel D, Shiang HH, Bodian CA, Griep RB. Cyclosporine A as a potential neuroprotective agent: a study of prolonged hypothermic circulatory arrest in a chronic porcine model. Eur J Cardiothorac Surg. 2001 Jun;19(6):756-64

- Data acquisition
- Data analysis and interpretation

26. Ehrlich MP, McCullough J, Wolfe D, Zhang N, Shiang H, **Weisz D**, Bodian C, Griep RB. Cerebral effects of cold reperfusion after hypothermic circulatory arrest. J Thorac Cardiovasc Surg. 2001 May;121(5):923-31.

- Data acquisition
- Data analysis and interpretation

27. Hagl C, Tatton NA, Khladadj N, Zhang N, Nandor S, Insolia S, **Weisz DJ**, Spielvogel D, Griep RB. Involvement of apoptosis in neurological injury following hypothermic circulatory arrest: A new target for therapeutic intervention? Annals of Thoracic Surgery. 2001 Nov;72(5):1457-64.

Data acquisition

- Data analysis and interpretation

28. Ehrlich MP, McCullough JN, Zhang N, **Weisz DJ**, Juvonen T, Bodian CA, Griep RB. Effect of hypothermia on cerebral blood flow and metabolism in the pig. Ann of Thoracic Surgery. 2002 Jan;73(1):191-7.

- Data acquisition
- Data analysis and interpretation

29. Hagl C, Khaladj N, **Weisz DJ**, Zhang N, Guo LJ, Bodian CA, Spielvogel D, Griep RB. Impact of high intracranial pressure on neurophysiological recovery and behavior in a chronic porcine model of hypothermic circulatory arrest. Eur J Cardiothorac Surg. 2002 Oct;22(4):510-6.

- Data acquisition

30. Strauch JT, Spielvogel D, Lauten A, Zhang N, Shiang H, **Weisz D**, Bodian CA, Griep RB. Importance of extrasegmental vessels for spinal cord blood supply in a chronic porcine model. Eur J Cardiothorac Surg. 2003 Nov;24(5):817-24.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

31. Strauch JT, Spielvogel D, Haldenwang PL, Lauten A, Zhang N, **Weisz DJ**, Bodian CA, Griep RB. Cerebral physiology and outcome after hypothermic circulatory arrest followed by selective cerebral perfusion. Ann Thorac Surg 2003; 76(6):1972-81.
- Data acquisition
32. Strauch JT, Spielvogel D, Haldenwang PL, Zhang N, **Weisz D**, Bodian CA, Griep RB. Impact of hypothermic selective cerebral perfusion compared with hypothermic cardiopulmonary bypass on cerebral hemodynamics and metabolism. Eur J Cardiothorac Surg. 2003 Nov;24(5):807-16.
- Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
33. Strauch JT, Spielvogel D, Lauten A, Zhang N, Shiang H, **Weisz D**, Bodian CA, Griep RB. Importance of extrasegmental vessels for spinal cord blood supply in a chronic porcine model. Rev Port Cir Cardiotorac Vasc. 2003 Oct-Dec;10(4):185-91.
- Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
34. Morrison CE, Borod JC, Perrine K, Beric A, Brin MF, Rezai A, Kelly P, Sterio D, Germano I, **Weisz D**, Olanow CW. Neuropsychological functioning following bilateral subthalamic nucleus stimulation in parkinsons disease. Archives of Clinical Neuropsychology 2004; 19(2):165-181.
- Data acquisition
35. Strauch JT, Lauten A, Spielvogel D, Rinke S, Zhang N, **Weisz D**, Bodian CA, Griep RB. Mild hypothermia protects the spinal cord from ischemic injury in a chronic porcine model. Eur J Cardiothorac Surg. 2004 May;25(5):708-15.
- Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
36. Germano IM, Gracies JM, **Weisz DJ**, Tse W, Koller WC, Olanow CW. Unilateral stimulation of the subthalamic nucleus in Parkinson disease: a double-blind 12-month evaluation study. J Neurosurg. 2004 Jul;101(1):36-42.
- Conception and design of study
 - Data acquisition
37. Strauch JT, Spielvogel D, Haldenwang PL, Shiang H, Zhang N, **Weisz D**, Bodian CA, Griep RB. Changes in regional cerebral blood flow under hypothermic selective cerebral perfusion. Thorac Cardiovasc Surg. 2004 52(2):82-9.
- Data acquisition
38. Hagl, C, **Weisz DJ**, Khaladj N, Griep M, Spielvogel D, Yang BY, deAsla R, Bodian CA, Griep RB. Use of a maze to detect cognitive dysfunction in a porcine model of hypothermic circulatory arrest. Ann Thorac Surg. 2005 79(4):1307-14; discussion 1314-5.
- Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
 - Drafting or revising critically important intellectual content
39. Shashidharan P, Sandu, D, Potla U, Armata I.A., Walker R.H., McNaught K.S., **Weisz D.**, Sreenath T., Brin M.F. and Olanow C.W. Transgenic mouse model of early-onset DYT1 dystonia. Human Molecular Genetics 2005 14(1): 125-133.
- Conception and design of study
 - Data acquisition
 - Data analysis and interpretation
40. Strauch JT, Spielvogel D, Lauten A, Zhang N, Rinke S, **Weisz D**, Bodian CA, Griep RB. Optimal temperature for selective cerebral perfusion. J Thorac Cardiovasc Surg. 2005 130(1):74-82.
- Data acquisition
41. Shu W, Cho JY, Jiang Y, Zhang M, **Weisz D**, Elder GA, Schmeidler J, De Gasperi R, Sosa MA, Rabidou D, Santucci AC, Perl D, Morrissey E, Buxbaum JD. Altered ultrasonic vocalization in mice with a disruption in the Foxp2 gene. Proc Natl Acad Sci U S A. 2005 5;102(27):9643-8.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

42. Halstead JC, Spielvogel D, Meier DM, **Weisz D**, Bodian C, Zhang N, Griep RB. Optimal pH strategy for selective cerebral perfusion. Eur J Cardiothorac Surg. 2005 28(2):266-73; discussion 273.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

43. Strauch JT, Spielvogel D, Haldenwang PL, Zhang N, **Weisz D**, Bodian CA, Tatton NA, Griep RB. Cooling to 10 degrees C and treatment with Cyclosporine A improve cerebral recovery following prolonged hypothermic circulatory arrest in a chronic porcine model. Eur J Cardiothorac Surg. 2005 27(1):74-80.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

44. Etz CD, Halstead JC, Spielvogel D, Shahani R, Lazala R, Homann TM, **Weisz DJ**, Plestis K, Griep RB. Thoracic and thoracoabdominal aneurysm repair: is reimplantation of spinal cord arteries a waste of time? Ann Thorac Surg. 2006 82(5):1670-7.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

45. Etz CD, Homann TM, Plestis KA, Zhang N, Luehr M, **Weisz DJ**, Kleinman G, Griep RB. Spinal cord perfusion after extensive segmental artery sacrifice: can paraplegia be prevented? Eur J Cardiothorac Surg. 2007 31(4):643-8. Epub 2007 Feb 12.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

46. Halstead JC, Wurm M, Etz C, Zhang N, Bodian C, **Weisz D**, Griep RB. Preservation of spinal cord function after extensive segmental artery sacrifice: regional variations in perfusion. Ann Thorac Surg. 2007 Sep;84(3):789-94.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

47. Halstead JC, Etz C, Meier DM, Zhang N, Spielvogel D, **Weisz D**, Bodian C, Griep RB. Perfusing the cold brain: optimal neuroprotection for aortic surgery. Ann Thorac Surg. 2007 Sep;84(3):768-74; discussion 774.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

48. Alterman RL, Miravite J, **Weisz D**, Shils JL, Bressman SB, Tagliati M. Sixty hertz pallidal deep brain stimulation for primary torsion dystonia. Neurology. 2007 Aug 14;69(7):681-8.

- Data acquisition
- Data analysis and interpretation

49. Halstead JC, Wurm M, Meier DM, Zhang N, Spielvogel D, **Weisz D**, Bodian C, Griep RB. Avoidance of hemodilution during selective cerebral perfusion enhances neurobehavioral outcome in a survival porcine model. Eur J Cardiothorac Surg. 2007 Sep;32(3):514-20. Epub 2007 Jul 17.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

50. Etz CD, Homann TM, Luehr M, Kari FA, **Weisz DJ**, Kleinman G, Plestis KA, Griep RB. Spinal cord blood flow and ischemic injury after experimental sacrifice of thoracic and abdominal segmental arteries. Eur J Cardiothorac Surg. 2008 Jun;33(6):1030-1038. Epub 2008 Apr 11.

- Data acquisition

- Conception and design of study
- Data analysis and interpretation

51. Halstead JC, Meier M, Wurm M, Zhang N, Spielvogel D, **Weisz D**, Bodian C, Griep RB. Optimizing selective cerebral perfusion: deleterious effects of high perfusion pressures. J Thorac Cardiovasc Surg. 2008 Apr;135(4):784-91.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

52. Gracies M, Lugassy M, **Weisz DJ**, Vecchio M, Flanagan S, Simpson DM. Botulinum toxin Dilution and endplate targeting in spasticity: A double-blind controlled study. Archives of Physical Medicine and Rehabilitation. 2009, Jan;90(1):9-16.e2.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

53. Deiner, S, Kwatra, S, Lin, H, **Weisz, D**. Patient characteristics and anesthetic technique are additive but not synergistic predictors of successful motor evoked potential monitoring. Anesthesia & Analgesia, 2010 Aug; 111(2):421-5.

54. Abilash H, Tagliati M, Osborn I, Isaias I, Gologorsky Y, Bressman S, **Weisz D**, Alterman R, M.D. Pallidal deep brain stimulation for primary dystonia in children. Neurosurgery. 2011 Mar; 68(3):738-43; discussion 743.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

55. Gologorsky Y, BenHaim S, Moshier, EL, Godbold J, Tagliati M, **Weisz D**, Alterman RL. Transgressing the ventricular wall during subthalamic deep brain stimulation surgery for Parkinson's disease increases the risk of adverse neurological sequelae. Neurosurgery. 2011 Aug, 69: 294-9; discussion 299-300.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

56. Ben-Haim S, Gologorsky Y, Monahan A, **Weisz D**, Alterman RL. Fiducial registration with SPGR MRI enhances the accuracy of STN targeting. Neurosurgery. 2011 Oct, 69: 870-5; discussion 875.

- Conception and design of study
- Data acquisition

57. Panov F, Tagliati M, Ozelius LJ, Fuchs T, Gologorsky Y, Cheung T, Avshalumov M, Bressman SB, Saunders-Pullman R, **Weisz D**, Alterman RL. Pallidal deep brain stimulation for DYT6 dystonia. J Neurol Neurosurg Psychiatry. 2012 83(2):182-7. 2011 Sep 23. [Epub ahead of print]

- Conception and design of study
- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content
- Data acquisition

58. Vinti M, Costantino F, Bayle N, Simpson DM, **Weisz DJ**, Gracies JM. Spastic cocontraction in hemiparesis: Effects of botulinum toxin. Muscle Nerve. 2012 Apr 30. 10.1002/mus.23427. [Epub ahead of print]

- Conception and design of study
- Data acquisition
- Data analysis and interpretation
- Drafting or revising critically important intellectual content

59. Geisbusch S, Stefanovic A, Koruth JS, Lin HM, Morgello S, Weisz DJ, Griep RB, Di Luozzo G. Endovascular coil embolization of segmental arteries prevents paraplegia after subsequent thoracoabdominal aneurysm repair: An experimental model. J Thorac Cardiovasc Surg. 2013 Nov 9. doi:pil: S0022-5223(13)01099-4. 10.1016/j.jtcvs.2013.09.022. [Epub ahead of print]

- Data acquisition

60. Bayle N, Patel AS, Crisan D, Guo LJ, Hutin E, Weisz DJ, Moore ST, Gracies JM. Contribution of step length to inced walking and turning speed as a marker of Parkinson's disease progression. *PLoS One*, 2016 11(4):online, 13 pages.

Other Peer Reviewed Publications

1. Bronson WH, Forsh D, Qureshi SA, Deiner SG, **Weisz DJ**, Hecht AC. Evolving compartment syndrome detected by loss of somatosensory- and motor-evoked potential signals during cervical spine surgery. *Orthopedics*. 2012 35(9):e1453-6. doi: 10.3928/01477447-20120822-40.

- Conception and design of study
- Data acquisition
- Data analysis and interpretation

2. Alterman, RL, **Weisz DJ**. Microelectrode recording during deep brain stimulation and ablative procedures (editorial). *Movement Disorders*, 2012 Aug 23. doi: 10.1002/mds.25068.

- Drafting or revising critically important intellectual content

3. Alterman RL, **Weisz D**. Reasoned Discussions Must Be Based on Sound Data. *Movement Disorders*. 2013 Jan 16. doi: 10.1002/mds.25315. [Epub ahead of print]

- Drafting or revising critically important intellectual content

Invited Contributions

1. Thompson RF, Solomon PR, **Weisz DJ** "Model systems" versus "neuroethological" approaches to hippocampal function. *The Behavioral and Brain Sciences*, 1979, 2, 515-516.

2. **Weisz DJ**, Yang B-Y, Fung K, Agudelo E. Intraoperative neurophysiological monitoring of surgeries at the cervical spine. *Techniques in Neurosurgery*, 1999, 5, 85-94.

Books and Book Chapters

1. **Weisz DJ**, Clark GA, Yang, B-Y, Thompson RF Solomon PR. Activity of dentate gyrus during NM conditioning. In C. Woody (Ed.) Conditioning: Representation of Involved Neural Function. New York: Plenum Press, 1982, 131-45.

2. **Weisz DJ**, Thompson RF. Endogenous opioids: Brain-behavior relations. In PK Levison, DR Gerstein and DR Maloff (Eds.) Commonalities in Substance Abuse and Habitual Behavior, 1983, Lexington: D.C. Heath and Company, 297-321.

3. Berger TW **Weisz DJ** Single unit analysis of hippocampal pyramidal and granule cells during classical conditioning of the rabbit nictitating membrane response. In I. Gormezano, W.F. Prokasy, and R.F. Thompson Eds., Classical Conditioning, III: Behavioral, Neurophysiological and Neurochemical studies in the rabbit. New York: Academic Press, 1987.

4. Scwabassi RJ, Krieger DN, **Weisz DJ**, Durrant J. Methods of neurophysiological monitoring during cranial base tumor resection. In L.N. Sekhar and I.P. Janecka (Eds.), Surgery of Cranial Base Tumors. New York: Raven Press, 1992, 83-98.

5. **Weisz DJ**, Yang B-Y. Intraoperative Electrophysiological Recording Techniques, In IM. Germano (Ed.) Neurosurgical Treatment of Movement Disorders AANS, 1998, 207-218.

6. **Weisz DJ**, Sen C, Yang B-Y. Neurophysiological monitoring during cavernous sinus surgery, In O. Al-Mefty and M. Eisenberg (Eds.) The Cavernous Sinus: A Comprehensive Text (Lippincott Williams Wilkins), 2000, 123-126.

7. Germano IM, **Weisz DJ**, Silvers A, Shrivastava R, Yang BY. Surgical techniques for stereotactic implant of deep brain stimulators. *Seminars in Neurosurgery*, 2001, 213-223.

8. Germano IM, **Weisz DJ**. Computer Technology as an Adjuvant for Target location and Validation. In: Burchiel K, editor. Microelectrode Recording in Movement Disorders. New York, Thieme; 2004, pp 152-63.

9. **Weisz DJ**. Intraoperative neurophysiologic monitoring. In: T. Naidich, M Castillo, S Cha, C Raybaud and J Smirniotopoulos (Eds.) Imaging of the Spine, Elsevier, 2010.

SELECTED INVITED LECTURES/PRESENTATIONS

1.
 - Topic and presenter: "Intraoperative monitoring"; **D Weisz**
 - Date: February, 2004
 - Institution (or organizer) and venue: Neurology Department Grand Rounds, Beth Israel Medical Center, New York, NY
2.
 - Topic and presenter: "Spontaneous GPi Activity in Generalized Primary Dystonia Differs from Activity in Cervical Dystonia"; **D Weisz**, M Avshalumov, J Shils, and R Alterman
 - Date: May 27, 2009
 - Institution (or organizer) and venue: World Society for Stereotactic and Functional Neurosurgery, Toronto, Canada
3.
 - Topic and presenter: "Present Art in Perioperative Monitoring of the Spinal Cord"; **D Weisz**
 - Date: December 12, 2011
 - Institution (or organizer) and venue: 65th Annual Post Graduate Assembly in Anesthesiology, New York, NY