

Stanford



Casey H. Halpern, MD

Assistant Professor of Neurosurgery and, by courtesy, of Neurology and of Psychiatry and Behavioral Sciences at the Stanford University Medical Center

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Stanford Neuroscience Health Center**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

Casey H. Halpern, MD, is Assistant Professor of Neurosurgery and, by courtesy, of Neurology and Neurological Sciences, and Psychiatry and Behavioral Sciences at Stanford University Medical Center. Dr. Halpern received his medical degree from the University of Pennsylvania School of Medicine. He completed his residency in Neurological Surgery and a fellowship in Stereotactic and Functional Neurosurgery at the University of Pennsylvania. He focuses on the surgical treatment of movement disorders and epilepsy and has particular interest in minimally invasive surgical approaches, as well as neurostimulation procedures.

Surgical focus:

Deep brain stimulation

Laser ablation

Movement disorder surgery

Voice tremor

Epilepsy surgery

Psychiatric disease

Chronic pain

Cancer-derived pain

Trigeminal neuralgia

Hemifacial spasm

CLINICAL FOCUS

- Neurosurgery

ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Neurosurgery

- Assistant Professor - Med Center Line (By courtesy), Neurology & Neurological Sciences
- Assistant Professor - Med Center Line (By courtesy), Psychiatry and Behavioral Sciences
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Board Certification: Neurosurgery, American Board of Neurological Surgery (2018)
- Residency: Perelman School of Medicine University of Pennsylvania (2014) PA
- Fellowship: Perelman School of Medicine University of Pennsylvania (2013) PA
- Internship: Perelman School of Medicine University of Pennsylvania (2008) PA
- Medical Education: Perelman School of Medicine University of Pennsylvania (2007) PA
- Fellowship, University of Pennsylvania Health System , Stereotactic and Functional Neurosurgery (2014)
- Residency, University of Pennsylvania Health System , Neurosurgery (2014)
- Internship, University of Pennsylvania Health System , General Surgery (2008)
- M.D., University of Pennsylvania School of Medicine (2007)
- B.A., University of Pennsylvania (2003)

LINKS

- Video Story: <https://stanfordhealthcare.org/stanford-health-care-now/why-i-got-into-medicine/why-medicine-casey-halpern-md.html>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

We are currently investigating the effects of deep brain stimulation in obesity using mouse models of human behavior. Many obese individuals exhibit behavioral disinhibition, a clinical feature of many neurologic and psychiatric conditions. We are dissecting the mesocorticolimbic circuit with novel techniques including optogenetics.

CLINICAL TRIALS

- Pilot Study to Evaluate MR-guided Laser Ablation of Focal Lesions in Patients With Medically Refractory Partial Epilepsy, Recruiting
- Prospective, Longitudinal Study of the Natural History and Functional Status of Patients With Myotubular Myopathy (MTM), Recruiting
- ExAblate Transcranial MR Guided Focused Ultrasound for the Treatment of Essential Tremors, Not Recruiting

PROJECTS

- Deep Brain Stimulation for Treatment-Refractory Obsessive-Compulsive Disorder - Stanford University
- Laser Ablation

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Daniel Barbosa, Rajat Shivacharan

Publications

PUBLICATIONS

- **Laser interstitial thermal therapy (LITT): Seizure outcomes for refractory mesial temporal lobe epilepsy.** *Epilepsy & behavior : E&B*
Le, S., Ho, A. L., Fisher, R. S., Miller, K. J., Henderson, J. M., Grant, G. A., Meador, K. J., Halpern, C. H.
2018; 89: 37–41
- **Deep Brain Stimulation for Chronic Cluster Headache: A Review.** *Neuromodulation : journal of the International Neuromodulation Society*
Vyas, D. B., Ho, A. L., Dadey, D. Y., Pendharkar, A. V., Sussman, E. S., Cowan, R., Halpern, C. H.
2018
- **Robot-guided pediatric stereoelectroencephalography: single-institution experience.** *Journal of neurosurgery. Pediatrics*
Ho, A. L., Muftuoglu, Y., Pendharkar, A. V., Sussman, E. S., Porter, B. E., Halpern, C. H., Grant, G. A.
2018: 1–8
- **The nucleus accumbens and alcoholism: a target for deep brain stimulation** *NEUROSURGICAL FOCUS*
Ho, A. L., Salib, A. N., Pendharkar, A., Sussman, E. S., Giardino, W. J., Halpern, C. H.
2018; 45 (2): E12
- **Validity and Reliability of a Virtual Reality Game in Evaluating the Projected Frontal Plane Knee Angle When Landing From a Drop Vertical Jump.** *Journal of sport rehabilitation*
Mills, K., Idris, A., Pham, T., Porte, J., Wiggins, M., Kavakli, M.
2018: 1–5
- **Frameless stereotactic dual lead placement through single burr hole: A technical report.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Cartmell, S. C., Miller, K. J., Ho, A. L., Halpern, C. H.
2018
- **Cognitive safety of intracranial electrodes for epilepsy.** *Epilepsia*
Meador, K. J., Halpern, C. H., Hermann, B. P.
2018; 59 (6): 1132–37
- **Neuromodulatory Treatments for Alcohol Use Disorder: A Review.** *Brain sciences*
Salib, A. N., Ho, A. L., Sussman, E. S., Pendharkar, A. V., Halpern, C. H.
2018; 8 (6)
- **Improved operative efficiency using a real-time MRI-guided stereotactic platform for laser amygdalohippocampotomy** *JOURNAL OF NEUROSURGERY*
Ho, A. L., Sussman, E. S., Pendharkar, A. V., Le, S., Mantovani, A., Keebaugh, A. C., Drover, D. R., Grant, G. A., Wintermark, M., Halpern, C. H.
2018; 128 (4): 1165–72
- **Hair sparing does not compromise real-time magnetic resonance imaging guided stereotactic laser fiber placement for temporal lobe epilepsy.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Singh, S., Kumar, K. K., Rabon, M. J., Dolce, D., Halpern, C. H.
2018; 52: 71–73
- **Diffusion MRI tractography for improved transcranial MRI-guided focused ultrasound thalamotomy targeting for essential tremor.** *NeuroImage. Clinical*
Tian, Q., Wintermark, M., Jeffrey Elias, W., Ghanouni, P., Halpern, C. H., Henderson, J. M., Huss, D. S., Goubran, M., Thaler, C., Airan, R., Zeineh, M., Pauly, K. B., McNab, et al
2018; 19: 572–80
- **Letter: Electric Beats Open New Frontiers for Deep Brain Stimulation** *NEUROSURGERY*
Halpern, C. H., Miller, K. J., Wu, H., Tass, P. A.
2018; 82 (1): E19–E20
- **Novel application of virtual reality in patient engagement for deep brain stimulation: A pilot study.** *Brain stimulation*
Collins, M. K., Ding, V. Y., Ball, R. L., Dolce, D. L., Henderson, J. M., Halpern, C. H.
2018

- **Closing the loop on impulsivity via nucleus accumbens delta-band activity in mice and man.** *Proceedings of the National Academy of Sciences of the United States of America*
Wu, H., Miller, K. J., Blumenfeld, Z., Williams, N. R., Ravikumar, V. K., Lee, K. E., Kakusa, B., Sacchet, M. D., Wintermark, M., Christoffel, D. J., Rutt, B. K., Bronte-Stewart, H., Knutson, et al
2018; 115 (1): 192–97
- **Awake versus asleep deep brain stimulation for Parkinson's disease: a critical comparison and meta-analysis.** *Journal of neurology, neurosurgery, and psychiatry*
Ho, A. L., Ali, R., Connolly, I. D., Henderson, J. M., Dhall, R., Stein, S. C., Halpern, C. H.
2017
- **Modulation of excitation on parvalbumin interneurons by neuroligin-3 regulates the hippocampal network** *NATURE NEUROSCIENCE*
Polepalli, J. S., Wu, H., Goswami, D., Halpern, C. H., Sudhof, T. C., Malenka, R. C.
2017; 20 (2): 219-229
- **Transcranial MRI-guided high-intensity focused ultrasound for treatment of essential tremor: A pilot study on the correlation between lesion size, lesion location, thermal dose, and clinical outcome.** *Journal of magnetic resonance imaging : JMIR*
Federau, C., Goubran, M., Rosenberg, J., Henderson, J., Halpern, C. H., Santini, V., Wintermark, M., Butts Pauly, K., Ghanouni, P.
2017
- **Laser interstitial thermal therapy for the treatment of epilepsy: evidence to date** *NEUROPSYCHIATRIC DISEASE AND TREATMENT*
Shukla, N. D., Ho, A. L., Pendharkar, A. V., Sussman, E. S., Halpern, C. H.
2017; 13: 2469–75
- **Vocal Tremor: Novel Therapeutic Target for Deep Brain Stimulation.** *Brain sciences*
Ravikumar, V. K., Ho, A. L., Parker, J. J., Erickson-DiRenzo, E., Halpern, C. H.
2016; 6 (4)
- **Predicting variation in subject thermal response during transcranial magnetic resonance guided focused ultrasound surgery: Comparison in seventeen subject datasets.** *Medical physics*
Vyas, U., Ghanouni, P., Halpern, C. H., Elias, J., Pauly, K. B.
2016; 43 (9): 5170-?
- **A Randomized Trial of Focused Ultrasound Thalamotomy for Essential Tremor.** *New England journal of medicine*
Elias, W. J., Lipsman, N., Ondo, W. G., Ghanouni, P., Kim, Y. G., Lee, W., Schwartz, M., Hynynen, K., Lozano, A. M., Shah, B. B., Huss, D., Dallapiazza, R. F., Gwinn, et al
2016; 375 (8): 730-739
- **Wiring and Molecular Features of Prefrontal Ensembles Representing Distinct Experiences** *CELL*
Ye, L., Allen, W. E., Thompson, K. R., Tian, Q., Hsueh, B., Ramakrishnan, C., Wang, A., Jennings, J. H., Adhikari, A., Halpern, C. H., Witten, I. B., Barth, A. L., Luo, et al
2016; 165 (7): 1776-1788
- **Long-term quality of life after posterior cervical foraminotomy for radiculopathy.** *Clinical neurology and neurosurgery*
Faight, R. W., Church, E. W., Halpern, C. H., Balmuri, U., Attiah, M. A., Stein, S. C., Dante, S. J., Welch, W. C., Simeone, F. A.
2016; 142: 22-25
- **Long-term quality of life after posterior cervical foraminotomy for radiculopathy** *CLINICAL NEUROLOGY AND NEUROSURGERY*
Faight, R. W., Church, E. W., Halpern, C. H., Balmuri, U., Attiah, M. A., Stein, S. C., Dante, S. J., Welch, W. C., Simeone, F. A.
2016; 142: 22-25
- **Responsive Direct Brain Stimulation for Epilepsy.** *Neurosurgery clinics of North America*
Morrell, M. J., Halpern, C.
2016; 27 (1): 111-121
- **Stereotactic Bony Trajectory Preservation for Responsive Neurostimulator Lead Placement Following Depth EEG Recording.** *Cureus*
Miller, K., Halpern, C. H.
2016; 8 (3)
- **Stereotactic laser ablation of the splenium for intractable epilepsy.** *Epilepsy & behavior case reports*
Ho, A. L., Miller, K. J., Cartmell, S., Inoyama, K., Fisher, R. S., Halpern, C. H.

2016; 5: 23-26

- **Deep brain stimulation for vocal tremor: a comprehensive, multidisciplinary methodology.** *Neurosurgical focus*
Ho, A. L., Erickson-DiRenzo, E., Pendharkar, A. V., Sung, C., Halpern, C. H.
2015; 38 (6): E6-?
- **Deep brain stimulation for vocal tremor: a comprehensive, multidisciplinary methodology** *NEUROSURGICAL FOCUS*
Ho, A. L., Erickson-DiRenzo, E., Pendharkar, A. V., Sung, C., Halpern, C. H.
2015; 38 (6)
- **Deep brain stimulation for obesity: rationale and approach to trial design** *NEUROSURGICAL FOCUS*
Ho, A. L., Sussman, E. S., Pendharkar, A. V., Azagury, D. E., Bohon, C., Halpern, C. H.
2015; 38 (6)
- **Deep brain stimulation for obesity: rationale and approach to trial design.** *Neurosurgical focus*
Ho, A. L., Sussman, E. S., Pendharkar, A. V., Azagury, D. E., Bohon, C., Halpern, C. H.
2015; 38 (6): E8-?
- **Deep brain stimulation for Alzheimer disease: a decision and cost-effectiveness analysis** *JOURNAL OF NEUROLOGY*
Mirsaeedi-Farahani, K., Halpern, C. H., Baltuch, G. H., Wolk, D. A., Stein, S. C.
2015; 262 (5): 1191-1197
- **Deep Brain Stimulation for Obesity.** *Cureus*
Ho, A. L., Sussman, E. S., Zhang, M., Pendharkar, A. V., Azagury, D. E., Bohon, C., Halpern, C. H.
2015; 7 (3)
- **Deep Brain Stimulation for Essential Vocal Tremor: A Technical Report.** *Cureus*
Ho, A. L., Choudhri, O., Sung, C. K., DiRenzo, E. E., Halpern, C. H.
2015; 7 (3)
- **Brief Pain Inventory-Facial minimum clinically important difference** *JOURNAL OF NEUROSURGERY*
Sandhu, S. K., Halpern, C. H., Vakhshori, V., Mirsaeedi-Farahani, K., Farrar, J. T., Lee, J. Y.
2015; 122 (1): 180-190
- **A step-wise approach to deep brain stimulation in mice** *ACTA NEUROCHIRURGICA*
Halpern, C. H., Attiah, M. A., Tekriwal, A., Baltuch, G. H.
2014; 156 (8): 1515-1521
- **Cervical laminoforaminotomy for radiculopathy: Symptomatic and functional outcomes in a large cohort with long-term follow-up.** *Surgical neurology international*
Church, E. W., Halpern, C. H., Faught, R. W., Balmuri, U., Attiah, M. A., Hayden, S., Kerr, M., Maloney-Wilensky, E., Bynum, J., Dante, S. J., Welch, W. C., Simeone, F. A.
2014; 5: S536-43
- **Ethical considerations in deep brain stimulation for psychiatric illness** *JOURNAL OF CLINICAL NEUROSCIENCE*
Grant, R. A., Halpern, C. H., Baltuch, G. H., O'Reardon, J. P., Caplan, A.
2014; 21 (1): 1-5
- **Amelioration of Binge Eating by Nucleus Accumbens Shell Deep Brain Stimulation in Mice Involves D2 Receptor Modulation** *JOURNAL OF NEUROSCIENCE*
Halpern, C. H., Tekriwal, A., Santollo, J., Keating, J. G., Wolf, J. A., Daniels, D., Bale, T. L.
2013; 33 (17): 7122-?
- **Deep brain stimulation and obesity RESPONSE** *JOURNAL OF NEUROSURGERY*
Halpern, C. H., Wolf, J. A., Jaggi, J. L., Grady, M. S., Baltuch, G. H.
2013; 118 (2): 487-487
- **Deep brain stimulation of the nucleus accumbens for the treatment of addiction** *ADDICTION REVIEWS*
Mueller, U. J., Voges, J., Steiner, J., Galazky, I., Heinze, H., Moeller, M., Pisapia, J., Halpern, C., Caplan, A., Bogerts, B., Kuhn, J.
2013; 1282: 119-128

- **Can Broad-Range 16S Ribosomal Ribonucleic Acid Gene Polymerase Chain Reactions Improve the Diagnosis of Bacterial Meningitis? A Systematic Review and Meta-analysis** *ANNALS OF EMERGENCY MEDICINE*
Srinivasan, L., Pisapia, J. M., Shah, S. S., Halpern, C. H., Harris, M. C.
2012; 60 (5): 609-620
- **Pediatric indications for deep brain stimulation** *CHILDS NERVOUS SYSTEM*
Difrancesco, M. F., Halpern, C. H., Hurtig, H. H., Baltuch, G. H., Heuer, G. G.
2012; 28 (10): 1701-1714
- **Durability of Roux-en-Y Gastric Bypass Surgery A Meta-Regression Study** *ANNALS OF SURGERY*
Attiah, M. A., Halpern, C. H., Balmuri, U., Vinai, P., Mehta, S., Baltuch, G. H., Williams, N. N., Wadden, T. A., Stein, S. C.
2012; 256 (2): 251-254
- **Error Reduction with Routine Checklist Use during Deep Brain Stimulation Surgery** *STEREOTACTIC AND FUNCTIONAL NEUROSURGERY*
Kramer, D. R., Halpern, C. H., Connolly, P. J., Jaggi, J. L., Baltuch, G. H.
2012; 90 (4): 255-259
- **Implications for programming strategy of the location of the active contact in subthalamic nucleus deep brain stimulation** *JOURNAL OF CLINICAL NEUROSCIENCE*
Connolly, P. J., Halpern, C. H., Baltuch, G. H., Danish, S. F., Jaggi, J. L.
2012; 19 (7): 1029-1031
- **Self-administered preoperative antiseptic wash to prevent postoperative infection after deep brain stimulation** *AMERICAN JOURNAL OF INFECTION CONTROL*
Halpern, C. H., Mitchell, G. W., Paul, A., Kramer, D. R., McGill, K. R., Buonacuore, D., Kerr, M., Jaggi, J. L., Stern, J. J., Baltuch, G. H.
2012; 40 (5): 431-433
- **Use of magnetic perfusion-weighted imaging to determine epidermal growth factor receptor variant III expression in glioblastoma** *NEURO-ONCOLOGY*
Tykocinski, E. S., Grant, R. A., Kapoor, G. S., Krejza, J., Bohman, L., Gocke, T. A., Chawla, S., Halpern, C. H., Lopinto, J., Melhem, E. R., O'Rourke, D. M.
2012; 14 (5): 613-623
- **Deep Brain Stimulation of the Nucleus Accumbens Attenuates Binge Eating in Mice** *67th Annual Meeting of the Society-of-Biological-Psychiatry*
Halpern, C.
ELSEVIER SCIENCE INC.2012: 304S-304S
- **Sex Differences in Deep Brain Stimulation Amelioration of Binge Eating** *67th Annual Meeting of the Society-of-Biological-Psychiatry*
Siegel, C. M., Halpern, C. H., Bale, T.
ELSEVIER SCIENCE INC.2012: 306S-306S
- **Deep brain stimulation compared with methadone maintenance for the treatment of heroin dependence: a threshold and cost-effectiveness analysis** *ADDICTION*
Stephen, J. H., Halpern, C. H., Barrios, C. J., Balmuri, U., Pisapia, J. M., Wolf, J. A., Kampman, K. M., Baltuch, G. H., Caplan, A. L., Stein, S. C.
2012; 107 (3): 624-634
- **The Effect of Intraventricular Trajectory on Brain Shift in Deep Brain Stimulation** *STEREOTACTIC AND FUNCTIONAL NEUROSURGERY*
Kramer, D. R., Halpern, C. H., Danish, S. F., Jaggi, J. L., Baltuch, G. H.
2012; 90 (1): 20-24
- **Expanding applications of deep brain stimulation: a potential therapeutic role in obesity and addiction management** *ACTA NEUROCHIRURGICA*
Halpern, C. H., Torres, N., Hurtig, H. I., Wolf, J. A., Stephen, J., Oh, M. Y., Williams, N. N., Dichter, M. A., Jaggi, J. L., Caplan, A. L., Kampman, K. M., Wadden, T. A., Whiting, et al
2011; 153 (12): 2293-2306
- **Carpal tunnel syndrome secondary to an osteophyte of the trapezium** *JOURNAL OF CLINICAL NEUROSCIENCE*
Mascitelli, J. R., Halpern, C. H., Dolinskas, C. A., Zager, E. L., Welch, W. C.
2011; 18 (11): 1558-1559
- **Re: Halpern CH, Milby AH, Wensheng G, et al. Clearance of the cervical spine in clinically nonevaluable trauma patients. Spine 2010; 35: 1721-8** *SPINE*
Halpern, C. H., Stein, S. C., Milby, A. H.
2011; 36 (14): 1165-1166

- **Re: Halpern CH, Milby AH, Wensheng G, et al. Clearance of the cervical spine in clinically nonevaluable trauma patients. *Spine* 2010; 35:1721-8. RESPONSE *SPINE***
Halpern, C. H., Schuster, J. M., Stein, S. C., Milby, A. H.
2011; 36 (14): 1167-1168
- **Longevity Analysis of Currently Available Deep Brain Stimulation Devices *STEREOTACTIC AND FUNCTIONAL NEUROSURGERY***
Halpern, C. H., McGill, K. R., Baltuch, G. H., Jaggi, J. L.
2011; 89 (1): 1-5
- **Clearance of the Cervical Spine in Clinically Unevaluable Trauma Patients *SPINE***
Halpern, C. H., Milby, A. H., Guo, W., Schuster, J. M., Gracias, V. H., Stein, S. C.
2010; 35 (18): 1721-1728
- **Best surgical practices: a stepwise approach to the University of Pennsylvania deep brain stimulation protocol *NEUROSURGICAL FOCUS***
Kramer, D. R., Halpern, C. H., Buonacore, D. L., McGill, K. R., Hurtig, H. I., Jaggi, J. L., Baltuch, G. H.
2010; 29 (2)
- **Deep brain stimulation compared with bariatric surgery for the treatment of morbid obesity: a decision analysis study *NEUROSURGICAL FOCUS***
Pisapia, J. M., Halpern, C. H., Williams, N. N., Wadden, T. A., Baltuch, G. H., Stein, S. C.
2010; 29 (2)
- **Intracerebral microdialysis during deep brain stimulation surgery *JOURNAL OF NEUROSCIENCE METHODS***
Kilpatrick, M., Church, E., Danish, S., Stiefel, M., Jaggi, J., Halpern, C., Kerr, M., Maloney, E., Robinson, M., Lucki, I., Krizman-Grenda, E., Baltuch, G.
2010; 190 (1): 106-111
- **Deep brain stimulation in the treatment of refractory epilepsy: Update on current data and future directions *NEUROBIOLOGY OF DISEASE***
Lega, B. C., Halpern, C. H., Jaggi, J. L., Baltuch, G. H.
2010; 38 (3): 354-360
- **SUBCUTANEOUS HEPARIN FOR PROPHYLAXIS OF VENOUS THROMBOEMBOLISM IN DEEP BRAIN STIMULATION SURGERY: EVIDENCE FROM A DECISION ANALYSIS *NEUROSURGERY***
Bauman, J. A., Church, E., Halpern, C. H., Danish, S. F., Zaghoul, K. A., Jaggi, J. L., Stein, S. C., Baltuch, G. H.
2009; 65 (2): 276-280
- **Cognition of the following bilateral deep brain stimulation surgery subthalamic nucleus for Parkinson's disease *INTERNATIONAL JOURNAL OF GERIATRIC PSYCHIATRY***
Halpern, C. H., Rick, J. H., Danish, S. F., Grossman, M., Baltuch, G. H.
2009; 24 (5): 443-451
- **Vagus Nerve Stimulation in the Treatment of Refractory Epilepsy *4th Workshop on New Horizons in the Development of Antiepileptic Drugs***
Milby, A. H., Halpern, C. H., Baltuch, G. H.
SPRINGER.2009: 228-37
- **Prevalence of cervical spinal injury in trauma *NEUROSURGICAL FOCUS***
Milby, A. H., Halpern, C. H., Guo, W., Stein, S. C.
2008; 25 (5)
- **Deep brain stimulation in the treatment of obesity *JOURNAL OF NEUROSURGERY***
Halpern, C. H., Wolf, J. A., Bale, T. L., Stunkard, A. J., Danish, S. F., Grossman, M., Jaggi, J. L., Grady, M. S., Baltuch, G. H.
2008; 109 (4): 625-634
- **Gene-environment contributions to the development of infant vagal reactivity: The interaction of dopamine and maternal sensitivity *CHILD DEVELOPMENT***
Propper, C., Moore, G. A., Mills-Koonce, W. R., Halpern, C. T., Hill-Soderlund, A. L., Calkins, S. D., Carbone, M. A., Cox, M.
2008; 79 (5): 1377-1394
- **Traumatic coagulopathy: The effect of brain injury *56th Annual Meeting of the Congress-of-Neurological-Surgeons***
Halpern, C. H., Reilly, P. M., Turtz, A. R., Stein, S. C.
MARY ANN LIEBERT, INC.2008: 997-1001

- **Deep brain stimulation for epilepsy** *NEUROTHERAPEUTICS*
Halpern, C. H., Samadani, U., Litt, B., Jaggi, J. L., Baltuch, G. H.
2008; 5 (1): 59-67
- **Vagus nerve stimulation for epilepsy and depression** *NEUROTHERAPEUTICS*
Milby, A. H., Halpern, C. H., Baltuch, G. H.
2008; 5 (1): 75-85
- **Brain shift during deep brain stimulation surgery for Parkinson's disease** *STEREOTACTIC AND FUNCTIONAL NEUROSURGERY*
Halpern, C. H., Danish, S. F., Baltuch, G. H., Jaggi, J. L.
2008; 86 (1): 37-43
- **Perfusion-weighted imaging identifies MR surrogates of malignant glioma molecular subtypes** *12th Annual Meeting of the Society-for-Neuro-Oncology*
Whitmore, R., Halpern, C., Kapoor, G., Wolf, R., Woo, J., Baccon, J., Chawla, S., Oleage, L., Lopinto, J., Plaum, J., Melhem, E., O'Rourke, D.
OXFORD UNIV PRESS INC.2007: 577-78
- **Dissociable numerosity and executive components of quantifier knowledge**
Troiani, V., Peelle, J. E., Halpern, C., Clark, R., Grossman, M.
ACADEMIC PRESS INC ELSEVIER SCIENCE.2007: 12-13
- **Too much to count on: Impaired very small numbers in corticobasal degeneration** *BRAIN AND COGNITION*
Halpern, C., Clark, R., Moore, P., Cross, K., Grossman, M.
2007; 64 (2): 144-149
- **Deep brain stimulation in neurologic disorders** *PARKINSONISM & RELATED DISORDERS*
Halpern, C., Hurtig, H., Jaggi, J., Grossman, M., Won, M., Baltuch, G.
2007; 13 (1): 1-16
- **Verbal mediation of number knowledge: Evidence from semantic dementia and corticobasal degeneration** *BRAIN AND COGNITION*
Halpern, C., Clark, R., Moore, P., Antani, S., Colcher, A., Grossman, M.
2004; 56 (1): 107-115
- **Dissociation of numbers and objects in corticobasal degeneration and semantic dementia** *NEUROLOGY*
Halpern, C. H., Glosser, G., Clark, R., Gee, J., Moore, P., Dennis, K., McMillan, C., Colcher, A., Grossman, M.
2004; 62 (7): 1163-1169
- **Calculation impairment in neurodegenerative diseases** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
Halpern, C., McMillan, C., Moore, P., Dennis, K., Grossman, M.
2003; 208 (1-2): 31-38