



Philosopher's River LLC

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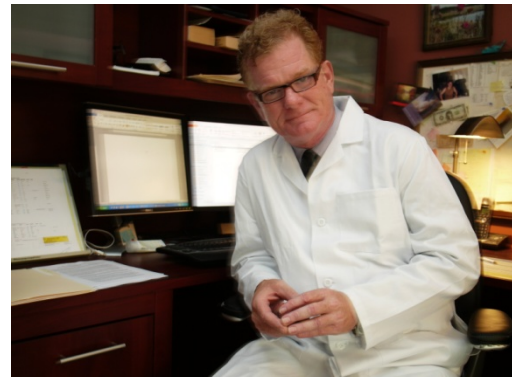
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Mike Johnson M.D. trained as a neurologist at the University of Minnesota, and pursued motor cortical neurophysiology as a post-doctoral associate and assistant professor. For the past two decades, Dr. Johnson has been a consultant to industry in the capacities of project management and regulatory affairs. He has published many basic science papers and holds patents for several developed medical devices pertaining to drug delivery and neuromuscular control.

Dr. Johnson has well-honed expertise in medical device regulatory affairs for the United States and international markets. His efforts have included obtaining regulatory clearances from the U.S. Federal Drug Administration for class II and class III devices and for European Medical Device Directive CE Marking, including the related Quality Management systems under ISO standards.

Dr. Johnson has been integrally involved in the development of devices for iontophoretic drug delivery, wound healing, and neuromuscular stimulation. Most recently, he has worked as medical director and regulatory affairs specialist for device development in the fields of Intense Pulsed Light and lasers, neurophysiology, and in the cosmetic-dermatological industries.

- *Small Business Medical Direction*
- *Medical Device Regulatory*
- *Medical Manufacturing Compliance*
- *Quality Assurance Guidance*
- *Clinical Trials*



See Selected Peer-Reviewed Publications Below

Selected Peer-Reviewed Publications

Michael T.V. Johnson, M.D.

- Johnson MTV. Summa Thesis. Detection of amplitude modulated three-component signal in noise. August 1978
University of Minnesota.
- Johnson MTV, Kipnis AN, Lee MC, Loewenson RB, Ebner TJ. Modulation of the stretch reflex during volitional sinusoidal tracking in Parkinson's disease. *Brain* 114: 443-460, 1991. PMID: 2004250
- Johnson MTV, Kipnis AN, Lee MC, Ebner TJ. Independent control of the reflex and volitional EMG modulation during sinusoidal pursuit tracking in humans. *Exp Brain Res* 96: 347-362, 1993. PMID: 8270027
- Johnson MTV, Mendez A, Kipnis AN, Silverstein P, Zwiebel F, Ebner TJ. Acute effects of levodopa on wrist movement in Parkinson's disease: Kinematics, volitional EMG modulation and reflex amplitude modulation. *Brain* 117: 1409-1422, 1994. PMID: 7820576
- Johnson MTV, Kipnis AN, Coltz JD, Gupta A, Silverstein P, Zwiebel F, Ebner TJ. Effects of levodopa and viscosity on the velocity and accuracy of visually guided tracking in Parkinson's disease. *Brain* 119:801-813, 1996. PMID: 8673492
- Mason CR, Johnson MTV, Fu Q-G, Gomez JE, Ebner TJ. Temporal profile of the directional tuning of the discharge of dorsal premotor cortical cells. *Neuroreport* 9:989-995, 1998. PMID 9601655
- Johnson MTV, Coltz JD, Hagen MC, Ebner TJ. Visuomotor processing as reflected in the discharge of premotor and primary motor neurons. *J Neurophysiol* 81:875-894,1999. PMID: 10036299
- Johnson MTV, Coltz JD, Ebner TJ. Encoding of target direction and speed during visual instruction and arm tracking in dorsal premotor and primary motor cortical neurons. *Eur J Neurosci* 11:4433-4445, 1999. PMID: 10594670
- Coltz JD, Johnson MTV, Ebner TJ. Cerebellar Purkinje cell simple spike discharge encodes movement velocity in primates during visuomotor tracking. *J Neurosci* 19:1782-1803, 1999. PMID: 10024363
- Johnson MTV, Ebner, TJ. Processing of multiple kinematic signals in the cerebellum and motor cortices. *Brain Res Rev*, 33:155-168, 2000. PMID: 11011063
- Coltz JD, Johnson MTV, Ebner TJ. Population code for tracking velocity based on cerebellar Purkinje cell simple spike firing in monkeys. *Neurosci Lett*, 296:1-4, 2000. PMID 11099819
- Johnson MTV, Mason CR, Ebner TJ. Central processes for the multiparametric control of arm movements. *Current Opinion Neurobiol*, 11:684-688, 2001. PMID: 11741018
- Ebner TJ, Johnson MTV, Roitman A, Fu Q. What do complex spikes signal about limb movements? *The Cerebellum, Recent Developments in Cerebellar Research*, vol 978: 205-18 *Annals of NY Acad Sci*, 2002. PMID:12582054
- Roitman AV, Pasalar S, Johnson MT, Ebner TJ. Position, direction of movement, and speed tuning of cerebellar Purkinje cells during circular manual tracking in monkey. *J Neurosci* 40: 9244-57, 2005. PMID: 16207884
- Johnson M, Martinson M. Efficacy of electrical nerve stimulation for chronic musculoskeletal pain: A meta-analysis of randomized controlled trials. *Pain* 130:157-165, 2007. PMID:17383095
- Martinson M, Johnson, M. Cost-effectiveness of Treatments for Low Back Pain. *Practical Pain Management*, 2011; April: 23, 32-37, 91.

Recent Client Efforts
Michael T.V. Johnson, M.D.

Automated Microneedling Rivals Energy-Based Tx (Dermapen®), The Aesthetic Guide, Nov/Dec 2012.
View at: http://www.miinews.com/pdf/TAG_1112_Dermapen_CvrFtr.pdf.