



JOHNS HOPKINS M E D I C I N E

CURRICULUM VITAE ZOLTAN MARI

DEMOGRAPHICS

Present Position: Assistant Professor of Neurology, The Johns Hopkins University School of Medicine

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EDUCATION

1. MD, Albert Szent-Györgyi Medical University (SZOTE, currently: Medical School, University of Szeged), ranked 1st in class of 1993 (out of 200), *Summa cum Laude*, 1993
2. PhD (candidate), Medical School, University of Szeged, Hungary. Neuroscience/Structure and Function of the Central Nervous System (completed credits in 1993-1995, thesis to be submitted)
3. ECFMG (Educational Commission for Foreign Medical Graduates) Diploma, 1996
4. Medical Internship, Brookdale University Hospital Medical Center (BHMC), *Intern of the Year*, 1998
5. Neurology Residency, State University of New York (SUNY), Health Science Center at Brooklyn (HSCB, currently: Downstate Medical Center), *Elected Housestaff Member in AOA*, 2001, *Chief Resident*, 2000-2001
6. Fellowship in Movement Disorders, NIH, 2005
7. Fellowship in Clinical Electrophysiology (EMG emphasis), NIH, expected graduation in 2006

PROFESSIONAL MEMBERSHIPS

1. American Medical Association (AMA, resident member since 1997)
2. American Academy of Neurology (AAN, junior member since 1998)
3. Alpha Omega Alpha Honor Medical Society, Housestaff Membership in ETA Chapter of New York (since the 2000-2001 Academic Year, lifetime membership)
4. Hungarian Medical Association of America (resident member since 2001)
5. Movement Disorders Society (Junior member since 2001)
6. Clinical Neurophysiology Section, AAN (Section member since 2002)
7. Movement Disorders Section, AAN (Section member since 2002)
8. Society for Neuroscience (regular member since 2005)
9. American Association of Neuromuscular & Electrodiagnostic Medicine (Junior Member since 2005)

ACADEMIC POSITIONS

7/1/06-present Assistant Professor of Neurology, Johns Hopkins University School of Medicine, Baltimore, MD
7/1/01-6/30/06 Clinical Fellow, NINDS, NIH, Bethesda, MD
7/1/98-6/30/01 Resident in Neurology, Dept. of Neurology, SUNY HSCB, Brooklyn, NY
7/1/97-6/30/98 Intern, Dept. of Medicine, BHMC, Brooklyn, NY
5/1/95-6/30/97 Research Fellow, Dept. of Neurology, SUNY, HSCB, Brooklyn, NY
9/1/90-4/30/95 Assistant Instructor (1990-1993), Instructor (1993-1995), Dept. of Physiology, SZOTE, Szeged, Hungary

OTHER APPOINTMENTS

7/1/05- NINDS Clinical Fellow Representative
5/1/03-7/1/05 Director, HMCS Botulinum Toxin Clinic, NINDS, NIH
7/1/00-6/30/01 Chief Resident, Dept. of Neurology, SUNY HSCB, Brooklyn, NY
10/1/93-3/31/95 Staff Associate, Dept. of Neurology and Psychiatry, SZOTE, Szeged, Hungary
10/1/93-3/31/95 Staff Associate, City Hospital of Szeged, Hungary

SPECIALTY BOARDS

Board Certified in Neurology, American Board of Psychiatry and Neurology (#52496, 2003).

REVIEWER FOR JOURNALS AND GRANTS:

1. Journal of Clinical Neurophysiology (once)
2. Clinical Neurophysiology (9 times)
3. Cerebral Cortex (once)
4. Neurology (once)
5. Veterans Administration REAP (VA REAP, 2003) (6 grants)
6. VA RRD MERIT Review (2003-2004, 4 grants)

IND Ownership/Sponsorship:

1. 61,864: Oral 1-Octanol for Essential Tremor. 2003-2005.
2. 68,751: Oral 1-Octanol for Essential Tremor. 2004-2005.

AWARDS, HONORS

1. TEMPUS grant (<http://www.etf.eu.int/tempus.nsf> (international educational grant by the EU, in the amount of about \$3000, 27 medical student recipients in all of Hungary in 1992), supporting a 12-week study trip to Granada University, Spain, 1992)
2. Government Scholarship of the Hungarian Republic (including exemption from all medical school tuition fees and about \$200 monthly stipend, comparable to a starting MD salary in Hungary at the time) in 3 consecutive years: 1990-91; 1991-92; 1992-93 (in 4th, 5th, and 6th year course of medical school in a 6-year curriculum)
3. Travel Grant from Soros Foundation to support a 4-week study trip to the University of Oxford, 1994
4. "Intern of The Year" title with a bronze plaque and \$100 cash prize granted by the Dept. of Medicine, Brookdale University Hospital, 1997-98
5. Award by the American Neurological Association ("Academic Neurology: Preparing for the Future", a \$500 award toward the 1999 ANA Annual Meeting in Seattle), Seattle, 1999
6. Appointment as Chief Resident in Neurology for Academic Year 2000-2001 at SUNY HSCB, Neurology Residency Program), Brooklyn, 2000
7. **Elected Housestaff Membership in ETA Chapter of New York, Alpha Omega Alpha Honor Medical Society (2000-2001 Academic Year, lifetime honorary membership)**, elected by members of the Alpha Omega Alpha Honor Medical Society (<http://www.alphaomegalpha.org/>), 2001
8. AAN Resident Scholarship Award recipient (\$1000 toward the 2001 AAN annual meeting in Philadelphia), Philadelphia, 2001

9. ANA Travel Fellowship Award recipient (\$1000 toward the 2005 ANA annual meeting in San Diego), San Diego, 2005

BIBLIOGRAPHY:

Book Chapters

1. **Mari, Z.** and Bódis-Wollner, I.: MPTP-induced parkinsonian syndrome in man and animals: how good is the model? In: M. Flint Beal MD, Iván Bódis-Wollner MD and Neil Howell PhD (Eds.) "Neurodegenerative Diseases: Mitochondria and Free Radicals in Pathogenesis", New York: John Wiley & Sons, pp 189-237, 1997
2. **Mari, Z.;** Matsuhashi, M.; Hattori, N.; Shibasaki, H. and Hallett, M.: A case of post-anoxic myoclonus presenting as cortical tremor. In: Stephen Reich (Ed.) "Movement Disorders: 100 Instructive Cases", London: Taylor and Francis Ltd., in press, 2005
3. Bohlhalter, S.; Matsuhashi, M.; **Mari, Z.;** Saxon, K.; Shibasaki, H. and Hallett, M.: A case of respiratory myoclonus. In: Stephen Reich (Ed.) "Movement Disorders: 100 Instructive Cases", London: Taylor and Francis Ltd., in press, 2005
4. Bruno, M. K; Goldfine, A.; Kansaku, K.; Hanakawa, T.; **Mari, Z.;** Ptacek, L. and Hallett, M.: A Right Lateral Prefrontal Area May be Activated in Psychogenic Tremor. In: Mark Hallett (Ed.) "Psychogenic Movement Disorders", Philadelphia: Lippincott, Williams and Wilkins Ltd., in press, 2005
5. **Mari, Z.:** Psychogenic Myoclonus. In: Steven Frucht (Ed.) „Myoclonus: A Physician’s Guide“, Humana Press, in preparation, 2006

Papers

1. Hajós, M.; Jancsó, G.; **Mari, Z.** and Obál, F. jr.: Ruthenium Red inhibits tail skin vasodilatation evoked by intracerebroventricular injection of capsaicin in the rat. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **343**:431-433, 1991
2. Sagliocco, L.; Bandini, F.; Pierantozzi, M.; **Mari, Z.;** Tzelepi, A.; Ko, C.; Gulzar, J. and Bódis-Wollner, I.: Electrophysiological evidence for visuocognitive dysfunction in younger non-Caucasian patients with Parkinson's disease. *Journal of Neural Transmission*, **104** (4-5): 427-39, 1997
3. **Mari, Z.;** Sagliocco, L. and Bodis-Wollner, I.: Retinocortical gain in the foveal pathway: the effect of spatial frequency and stimulus size. *Clinical Electroencephalography* **32** (2): 67-74, 2001
4. Shill, H.; Bushara, K.; **Mari, Z.;** Reich, M. and Hallett, M.: Open-label dose-escalation study of oral 1-octanol in patients with essential tremor. *Neurology*. **62** (12): 2320-2, 2004
5. Guido, N., Bai, O., Wheaton, L., **Mari, Z.** Vorbach, S. and Hallett, M.: Estimating true brain interaction from EEG data using the imaginary part of coherency. *Clin Neurophysiol*. **115** (10): 2292-307, 2004
6. Bai, O., **Mari, Z.** Vorbach, S. and Hallett, M.: Asymmetric Spatiotemporal Patterns of Event-Related Desynchronization Preceding Voluntary Sequential Finger Movements: A High-Resolution EEG Study. *Clin Neurophysiol*. **116**: 1213-1221, 2005
7. Pirio Richardson, S.; **Mari, Z.;** Matsuhashi, M. and Hallett, M.: Psychogenic palatal tremor. *Mov Disord*. **21** (2): 274-6, 2006
8. **Mari, Z.;** Vortmeyer, A.; Zhukareva, V.; Uryu, K.; Lee, V. M-Y. and Hallett, M.: Clinico-pathologic correlation in a case of progressive ataxia and palatal tremor (PAPT): a new form of tauopathy? *Brain* (submitted), 2005
9. **Mari, Z.;** Matsuhashi, M.; Wheaton, L.; Sato, S. and Hallett, M.: Human Motor Cortex Activation Patterns in Ipsilateral vs. Contralateral Self-Paced Movements: An ECoG Study. *Clinical Neurophysiology* (in preparation)
10. **Mari, Z.;** Mima, T.; Matsuoka, T.; Gerloff, C.; Hallett, M. and Bodis-Wollner, I.: Perisaccadic changes in EEG. *Experimental Brain Research* (in preparation), 2005
11. **Mari, Z.** and Hallett, M.: A case of "painful shoulder, undulating deltoid" syndrome. *Movement Disorders* (in preparation), 2005

Abstracts

1. **Mari, Z.;** Sagliocco, L. and Bodis-Wollner, I.: Pattern adaptation affects the phase of the PERG. *Invest Ophth Vis Sci*, **37**(3): 1592, 1996
2. **Mari, Z.;** Sagliocco, L.; Maccabee, P. J.; Bodis-Wollner, I.; Cracco, R. Q. and Amassian, V. E.: Magnetic stimulation of anterior frontal lobe can facilitate and distort human perception of language symbols. *J Physiol-London*, **495P**: P131-P132, 1996
3. **Mari, Z.;** Mima, T.; Gerloff, C.; Hallett, M. and Bodis-Wollner, I.: Perisaccadic high frequency EEG changes in frontal and occipital regions are similar in light and dark. *J Physiol-London*, **526**: 25S, 2000
4. **Mari, Z.** and Hallett, M.: A case of "painful shoulder, undulating deltoid" syndrome. *Movement Disorders*, **17**(S5): p. S264, 2002

5. **Mari, Z.**, Nolte, G., and Hallett, M.: Motor center-surround organization is disordered in focal hand dystonia. *Muscle & Nerve*, **28**(S12): p. S87, 2003.
6. Bai, O., **Mari, Z.**, and Hallett, M.: Predicting the laterality of self-paced movements before they occur. *Muscle & Nerve*, **28**(S12): p. S34, 2003.
7. **Mari, Z.**; Vortmeyer, A. and Hallett, M.: A new form of tauopathy? Clinico-pathologic correlation in a case with syndrome of progressive ataxia and palatal myoclonus. P01.062. *Neurology*. **62** (7): p. A47, 2004
8. **Mari, Z.**; Bruno, M.; Farbman, E.; Lee, B.; Karp, B. and Hallett, M.: Long-term botulinum toxin treatment for focal hand dystonia. P06.143. *Neurology*. **62** (7): p. A512, 2004
9. **Mari, Z.**; Matsushashi, M.; Matteson, S. and Hallett, M.: Event-related desynchronization prior to psychogenic jerks. P153, *Movement Disorders*, **19** (S9): p. S67, 2004
10. **Mari, Z.**; Matsushashi, M.; Shibasaki, H. and Hallett, M.: Myoclonus in Cortico-Basal Degeneration: Is it of Cortical Origin? P329, *Movement Disorders*, **19** (S9): p. S122, 2004
11. **Mari, Z.** and Hallett, M.: A Case of Cortical Tremor Masquerading as Parkinsonism: When Jerk Analysis Proves Valuable. P1321, *Movement Disorders*, **19** (S9): p. S456, 2004
12. **Mari, Z.**; Vortmeyer, A.; Zhukareva, V., Uryu, K., Lee, V., and Hallett, M.: A new form of tauopathy: clinico-pathologic correlation in a case with syndrome of progressive ataxia and palatal tremor (PAPT). P4, *Movement Disorders*, **20** (S10): p. S1, 2005
13. **Mari, Z.**; Farbman, E.; Karp, B. and Hallett, M.: Long-term botulinum toxin treatment for focal hand dystonia. P100, *Movement Disorders*, **20** (S10): p. S29, 2005
14. Pirio Richardson, S.; **Mari, Z.**; Matsushashi, M. and Hallett, M.: Psychogenic palatal tremor. P572, *Movement Disorders*, **20** (S10): p. S169, 2005
15. **Mari, Z.**; Matsushashi, M.; Wu, T.; Hattori, N.; Shibasaki, H. and Hallett, M.: Physiological Assessment and fMRI in a Case of Posthypoxic Myoclonus. P04.170. *Neurology* **64** (Suppl 1): p. A255, 2005.
16. **Mari, Z.**; Matsushashi, M.; Matteson, S., and Hallett, M.: Event-Related Desynchronization (ERD) in Functional Myoclonus. P04.171. *Neurology* **64** (Suppl 1): p. A256, 2005.
17. **Mari, Z.** ; Vortmeyer, A.; Zhukareva, V. et al. A New Form of Tauopathy: Clinico-Pathologic Correlation in a Case with Syndrome of Progressive Ataxia and Palatal Tremor (PAPT). *Annals of Neurology*, **58** (Suppl 9): p. S20, 2005
18. **Mari, Z.**; Karp, B. and Hallett, M.: Long-term Botulinum Toxin (BTX) Treatment for Focal Hand Dystonia (FHD). *Annals of Neurology*, **58** (Suppl 9): p. S20, 2005
19. **Mari, Z.**; Matsushashi, M.; Wheaton, L. et al. Human Motor Cortex Activation Patterns in Ipsilateral versus Contralateral Self-Paced Movements: An ECoG Study. *Annals of Neurology*, **58** (Suppl 9): p. S64, 2005
20. **Mari, Z.**; Matsushashi, M.; Wheaton, L. et al. Human Motor Cortex Activation Patterns in Ipsilateral versus Contralateral Self-Paced Movements: An ECoG Study. Program No. 302.15. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, 2005. Online

Presentations

1. Varga, J.; Penke, B.; Soós, K.; Törö, I.; Szabó, E.; Márki-Zay, J.; **Mari, Z.** and Baranyi, A.: The active center of β -amyloid peptides: the possible mechanism of action, starting and maintaining neuronal death, The 10th International Conference of Alzheimer's Disease, Edinburgh, Scotland, 1994
2. **Mari, Z.**; Sagliocco, L. and Bódis-Wollner, I.: Pattern adaptation affects the phase of the PERG, ARVO: Annual Meeting of The Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, USA, 1996
3. Bódis-Wollner, I.; Sagliocco, L.; Bandini, F.; **Mari, Z.**; Tzelepi, A.; Pierantozzi, M.; Ogliaastro, C.; Kim, J.; Ko, C. and Gulzar, J.: Concurrent visual and cognitive evoked potentials in Parkinson's disease demonstrate a processing deficit. III. Pan-Pacific Conference on Brain Topography, Urayasu, Tokyo-Bay, Japan, 1-4 April, 1997
4. Tzelepi, A.; Singh, R.; Chan, T.; **Mari, Z.**; Bandini, F.; Pierantozzi, M. and Bodis-Wollner, I.: Gamma activity and the pattern onset VEP. 51st Annual Meeting, Eastern Association of Electroencephalographers, Beth Israel Medical Center, New York, NY, March 8th, 1997
5. **Mari, Z.**: Perisaccadic changes in human brain activity – A multichannel EEG study. 93rd Annual Scientific Assembly of the Southern Medical Association, Section SM47, Dallas, TX, November 10-14, 1999
6. Bodis-Wollner, I.; Amassian, V.; Lalli, S.; **Mari, Z.**; Hallett, M. and Cracco, R.Q.: Temporal relationships of voluntary saccades and visual cortical activity in humans. Eye movements and vision in the natural world., Royal Academy of Arts and Sciences, Amsterdam; Erasmus University, Rotterdam, The Netherlands, September 27-29, 2000
7. **Mari, Z.**: A case of acute tumor-like multiple sclerosis. 94th Annual Scientific Assembly of the Southern Medical Association, Section Psychiatry and Neurology, Orlando, FL, November 1-5, 2000
8. **Mari, Z.**: A case of acute tumor-like multiple sclerosis. State University of New York, Downstate Medical Center, Dept. of Neurology, Grand Rounds, 2001

9. **Mari, Z.:** Perisaccadic changes in human brain activity: a multi-channel EEG study. 5th Meeting of the International Anti-Epilepsy League's Hungarian Division/40th Congress of the Hungarian EEG and Clinical Neurophysiological Society, Nyiregyhaza, Hungary, May 30th-June 2nd, 2001
10. Shill, H.; **Mari, Z.** and Hallett, M.: Dose Escalation Study of PO 1-Octanol In Patients with Essential Tremor, Regional Movement Disorders Dinner Conference, October 3, 2002
11. Bruno, M.K.; Goldfine, A.; Kansaku, K.; Hanakawa, T.; **Mari, Z.;** Ptacek, L. and Hallett, M.: Right lateral prefrontal area may be activated in psychogenic tremor. Psychogenic Movement Disorders: A Workshop. Peachtree City, Georgia, October 10-13, 2003.
12. **Mari, Z.;** Bruno, M. and Hallett, M.: Event-related desynchronization prior to psychogenic jerks. Psychogenic Movement Disorders: A Workshop. Peachtree City, Georgia, October 10-13, 2003.
13. **Mari, Z.:** Essential Tremor: Physiology & Recent Therapeutic Advances. NINDS Clinical Grand Rounds Presentation, Masur Auditorium, NIH, Bethesda, MD, Nov 26, 2002
14. **Mari, Z.:** Electrophysiological Correlates of Psychogenic Jerks, Regional Movement Disorders Dinner Conference, January 13, 2005