

## **CURRICULUM VITAE**

### **Biographical Information**

Name: Milind Jagdish Kothari, D.O.

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### **Educational Background**

1983      **B.A.**      Queens College, The City University of New York,  
Flushing, New York (Mathematics, Cum Laude)

1988      **D.O.**      New York College of Osteopathic Medicine of  
NYIT, Old Westbury, New York

### **Professional Background**

1988 – 1989    Rotating Internship, Department of Medicine, Coney Island  
Hospital, Brooklyn, NY

1989 – 1990    Resident, Department of Medicine, Booth Memorial Medical  
Center, Flushing, NY

1990 – 1992    Resident, Department of Neurology, New York University  
Medical Center, New York, NY

1992 – 1993    Chief Resident, Department of Neurology, New York University  
Medical Center, New York, NY

1993 – 1995    Fellow in Neurophysiology and Neuromuscular Disease,  
Department of Neurology, Brigham and Women's Hospital,  
Boston, MA

1995 - Attending Physician, Department of Neurology, Penn State Milton S. Hershey Medical Center, Hershey, PA

### **Academic Positions**

1983 – 1984 Adjunct Lecturer, Department of Mathematics, Queens College, Flushing, NY

1992 – 1993 Teaching Assistant, Department of Neurology, New York University School of Medicine, New York, NY

1993 – 1995 Clinical Fellow in Neurology, Harvard Medical School, Boston, MA

1995 – 2000 Assistant Professor, Department of Neurology, Pennsylvania State University College of Medicine, Hershey, PA

2000 - 2004 Associate Professor, Department of Neurology, Pennsylvania State University College of Medicine, Hershey, PA

2001 - Graduate Faculty, College of Engineering, Pennsylvania State University, State College, PA

2001 - Granted Tenure, Pennsylvania State University College of Medicine, Hershey, PA

2002 - Fellow, American Academy of Neurology

2004 - Professor, Department of Neurology, Pennsylvania State University College of Medicine, Hershey, PA

### **Administrative Positions**

1998 - **Director, Neurology Residency Program**, Pennsylvania State University College of Medicine

2004 - 2005 **Interim Chair, Department of Neurology**, Pennsylvania State University College of Medicine

2005 - **Vice-Chair of Education and Training**, Department of Neurology, Pennsylvania State University College of Medicine

- 2005 - **Student Clerkship Director**, Department of Neurology, Pennsylvania State University College of Medicine
- 2005 - **Director, Fellowship Training**, Department of Neurology, Pennsylvania State University College of Medicine
- 2007 - **Vice-Chair**, Department of Neurology, Pennsylvania State University College of Medicine

### **Membership in Professional Societies**

- |  |                   |
|--|-------------------|
| American Academy of Neurology                      | (Fellow)          |
| American Association of Electrodiagnostic Medicine | (Fellow)          |
| Pennsylvania Neurological Society                  |                   |
| American Neurological Association                  | (Inducted member) |

### **Licensure and Certification**

- 1994 - Diplomate, American Board of Psychiatry and Neurology
- 1995 - Pennsylvania Medical License OS-008883-L
- 1995 - Diplomate, American Board of Electrodiagnostic Medicine
- 1995 - Board Eligible, Added Qualifications in Clinical Neurophysiology

### **Honors and Awards**

- Best Resident of the Year, Booth Memorial Medical Center, Flushing, NY (1990)
- Junior Member Recognition Award, American Association of Electrodiagnostic Medicine (1995)
- Inducted into the American Neurological Association (2006)
- Distinguished Educator Award, Penn State College of Medicine (2007)

### **Institutional Committees (Penn State College of Medicine)**

- Medical Student Admissions Committee, 1996 – Present
- Program Director’s committee, 1998 - Present
- Institutional Review Board, 2000 – 2002
- Chair Search Committee, Department of Neural and Behavioral Sciences, 2003 – 2006
- Medical Staff Executive Committee, 2004 – 2005
- Clinical Chairs Council, 2004 – 2005
- Steering committee, Department of Neurology, 2005 – Present

- Department of Neurology Promotion and Tenure Committee, 2005 – Present
- Chair Search Committee, Department of Emergency Medicine, 2005 – 2006
- Academic Integrity Committee, 2005 – Present
- Dean’s search advisory team, 2005 – 2006
- CUMED Oversight Committee, 2006 – Present
- Clerkship Director’s committee, 2005 – Present
- Medical Student Admissions Committee screener, 2006 - Present
- College of Medicine Promotion and Tenure Committee, 2007 – Present
- Distinguished Educator Society, 2007 – Present
- Medical Student Research Committee, 2007 – Present
- Chair Search Committee, Department of Psychiatry, 2007 – Present
- Web Oversight Committee-Education Mission Leader, 2007 – Present

### National Committees

- Quality Assurance Committee, American Association of Electrodiagnostic Medicine, 1998 – 2000
- Lumbosacral Radiculopathy Task Force, American Association of Electrodiagnostic Medicine, 1999 – 2000
- Peroneal Neuropathy Task Force, American Association of Electrodiagnostic Medicine, 1999 – 2000
- **Chair**, Ulnar Neuropathy Task Force, American Association of Electrodiagnostic Medicine, 2000 – 2002
- Research Committee, American Association of Electrodiagnostic Medicine, 2002 – 2004
- Member, Standards and Practice Committee, Keystone Health Plan Central, 2003 – 2005
- Board Member, Pennsylvania Chapter, Myasthenia Gravis Foundation, 2000 – Present
- **Board Examiner**, American Board of Psychiatry and Neurology, 2000 – Present
- Training Program Committee, American Association of Neuromuscular and Electrodiagnostic Medicine, 2003 – Present
- Residency Education Subcommittee (RES), American Academy of Neurology, 2006 - Present
- Clinical Advisory Committee, Capital Blue Cross, 2005 – Present
- Reviewer, National Board of Medical Examiners, 2006 – Present
- **Board Examiner**, American Board of Electrodiagnostic Medicine, 2005 – Present
- GME committee, American Association of Neuromuscular and Electrodiagnostic Medicine, 2007 – Present
- Ethics section, American Academy of Neurology, 2006 - Present

- Neuromuscular section, American Academy of Neurology, 2000 - Present
- A.B. Baker Section on Neurologic Education, American Academy of Neurology, 2007 - Present

**Teaching Activities: Pennsylvania State University College of Medicine**

**Yearly Lecture Responsibilities**

- 1995- College of Medicine students, years 1 and 2  
 1996 – 1998 Co-Director, Neuroscience course, 2<sup>nd</sup> year  
 1995- Post-graduate resident conferences – Neurology, Neurosurgery, Medicine, Orthopedics, Anesthesia, Plastic Surgery  
 1996- Masters level Bioengineering course, Clinical Neurophysiology  
 2005 - Student Clerkship director for third and fourth year students  
 2005 – Clinical Skills Faculty

**Dissertation and Thesis Committees**

- 2001 Member, Doctoral Dissertation Committee, Dongjoon Kong, Department of Industrial and Manufacturing Engineering, Pennsylvania State University, College of Engineering  
  
 2002 Member, Doctoral Dissertation Committee, Hyunkook Jang, Department of Industrial and Manufacturing Engineering, Pennsylvania State University, College of Engineering

**Medical Student Advisor**

Stacey Smith	Class of 2001
Alexis Conrad	Class of 2005
Colin Bridgeman	Class of 2006
Kristi Mahaffey-Nord	Class of 2006
Anne Berry	Class of 2008
Brian Vernau	Class of 2009
Mohan Kottapally	Class of 2009
Lauren Massaro	Class of 2009
Patricia Staley	Class of 2009
Lindsey Beers	Class of 2010
Tarik Ibrahim	Class of 2010
Kari Kulp	Class of 2010
Natalie Thiesen	Class of 2010
David Baird	Class of 2011
Alissa Baker	Class of 2011
Lauren Hale	Class of 2011
Katherine Matthews	Class of 2011

### **Medical Student Mentor**

Mathew Wilson

Class of 2008

### **Journal Review (Ad Hoc Reviewer)**

- Muscle and Nerve
- Archives of Physical Medicine and Rehabilitation
- Journal of the American Osteopathic Association (JAOA)
- Journal of the Peripheral Nervous System
- Consulting Editor, Hospital Physician
- Series Editor, Hospital Physician
- Medical Editor, e-medicine Neurology Text
- Bio Med Central, United Kingdom
- Grant Reviewer, The Wellcome Trust, United Kingdom

### **Neurophysiology Fellow Trainees**

- 1996 – 1997 Raymond Reichwein, MD  
Assistant Professor of Neurology, Penn State College of Medicine
- 1997 – 1998 Ziad Mahadeen, MD  
Faculty, Department of Neurology, Jordan
- 1998 – 1999 Jason Stabley, DO  
Private Practice, Florida
- 1999 – 2000 Timothy Sullivan, MD  
Private Practice, North Carolina
- 2002 – 2003 B. Lee Peterlin, DO  
Private Practice, Pennsylvania
- 2003 – 2004 Kevin Scott, MD  
Assistant Professor of Neurology, Penn State College of Medicine
- 2005 – 2006 Justin Fisher, MD  
Private Practice, Pennsylvania
- 2005 – 2006 Gary Thomas, MD  
Assistant Professor of Neurology, Penn State College of Medicine

- 2006-2007 Daniel Chehebar, DO  
Private Practice, Virginia
- 2006-2007 Mamta Verma, MD  
Private Practice, Pennsylvania
- 2007 – 2009 Aiesha Ahmed, MD

### **Listings**

- Marquis Who's Who in Science and Engineering
- Who's Who in America
- National Registry of Who's Who

### **Journal Publications (Peer Reviewed)**

1. **Kothari MJ**, Bazil C, Jafri S, Weinreb H. Patients of unknown identity: a neurodiagnostic challenge. *Am J Emer Med* 1994;12(4):510-511.
2. Bazil CW, **Kothari MJ**, Luciano D, Moroney J, Song S, Vasquez B, Weinreb H, Devinsky O. Provocation of nonepileptic seizures by suggestion in a general seizure population. *Epilepsia* 1994;35(4):768-70.
3. Devinsky O, **Kothari MJ**, Savino L, Luciano D. Felbamate for refractory absence seizures. *J Epilepsy* 1994;7:189-194.
4. Preston DC, Ross MH, **Kothari MJ**, Plotkin GM, Venkatesh S, Logigian EL. The median-ulnar latency difference studies are comparable in mild carpal tunnel syndrome. *Muscle Nerve* 1994;17:1469-1471.
5. Venkatesh S, **Kothari MJ**, Preston DC. The limitations of the dorsal ulnar cutaneous sensory response in patients with ulnar neuropathy at the elbow. *Muscle Nerve* 1995;18:345-347.
6. **Kothari MJ**, Preston DC. Comparison of the flexed and extended elbow positions in localizing ulnar neuropathy at the elbow. *Muscle Nerve* 1995;18:336-340.
7. Shefner JM, **Kothari MJ**, Logigian EL. Does voluntary muscle contraction cause facilitation of peripherally evoked compound motor action potentials? *Muscle Nerve* 1995;18:555-556.

8. **Kothari MJ**, Knopp E, Jonas S, Levine D. Presumed vestibular hemorrhage secondary to warfarin. *Neuroradiology* 1995;37:324-325.
9. **Kothari MJ**, Kelly M, Darbey M, Bauer SB, Scott RM. Neurophysiologic assessment of urinary dysfunction in children with thoracic syringomyelia. *J Child Neurol* 1995;10:451-454.
10. **Kothari MJ**, Preston DC, Plotkin GM, Venkatesh S, Shefner JM, Logigian EL. Electromyography: Do the diagnostic ends justify the means? *Arch Phys Med Rehabil* 1995;76:947-949.
11. **Kothari MJ**, Rutkove SB, Caress JB, Hinchey J, Logigian EL, Preston DC. Comparison of digital sensory studies in patients with carpal tunnel syndrome. *Muscle Nerve* 1995;18:1272-1276.
12. **Kothari MJ**, Bauer SB, Logigian EL, Shefner JM. Electrophysiological and urodynamic studies to monitor surgical outcome in children with tethered spinal cords. *Muscle Nerve* 1995;18:1373-1377.
13. **Kothari MJ**, Preston DC, Logigian EL. Lumbrical-Interossei motor studies localize ulnar neuropathy at the wrist. *Muscle Nerve* 1996;19:170-174.
14. **Kothari MJ**, Logigian EL. Electromyography - reply. *Arch Phys Med Rehabil* 1996;77(2):212.
15. Rutkove SB, **Kothari MJ**, Sampson C, Preston DC. The effect of wrist position on the conduction velocity of the ulnar nerve. *Muscle Nerve* 1996;19:657-658.
16. Devinsky O, Sanchez-Villaseñor F, Vasquez B, **Kothari M**, Alper K, Luciano D. Clinical profile of patients with epileptic and nonepileptic seizures. *Neurology* 1996;46:1530-1533.
17. Caress JB, **Kothari MJ**, Bauer SB, Shefner JM. Urinary dysfunction in Duchenne Muscular Dystrophy. *Muscle Nerve* 1996;19:819-822.
18. **Kothari MJ**, Bauer SB. Urodynamic and Neurophysiologic Evaluation of Patients with Diastematomyelia. *J Child Neurol* 1997;12:97-100.
19. **Kothari MJ**, Rutkove SB, Logigian EL, Shefner JM. Coexistent Entrapment Neuropathies in Patients with Amyotrophic Lateral Sclerosis. *Arch Phys Med Rehabil* 1996;77:1186-1188.
20. **Kothari MJ**. Lumbrical-interossei studies in distal ulnar neuropathy. *Muscle Nerve* 1997;20:120.
21. Mahadeen ZI, Brennan RW, **Kothari MJ**. Bilateral facial palsy secondary to herpes zoster meningoencephalitis in a HIV positive woman. *Journal of Infection* 1997;34:261-262.

22. Preston DC, Shapiro BE, Raynor EM, **Kothari MJ**. The relative value of facial, glossal and masticatory muscles in the electrodiagnosis of ALS. *Muscle Nerve* 1997;20:370-372.
23. Rutkove SB, **Kothari MJ**, Shefner JM. Nerve, muscle, and neuromuscular junction electrophysiology at high temperature. *Muscle Nerve* 1997;20:431-436.
24. **Kothari MJ**, Macintosh K, Heistand M, Logigian EL. Medial antebrachial cutaneous sensory studies in the evaluation of neurogenic thoracic outlet syndrome. *Muscle Nerve* 1998;21:647-649.
25. **Kothari MJ**, Heistand M, Rutkove SB. Comparison of three ulnar nerve conduction studies in patients with ulnar neuropathy at the elbow. *Arch Phys Med Rehabil* 1998;79:87-89.
26. Rutkove SB, **Kothari MJ**, Fadic R, Raynor EM, Nardin RA. Sural/radial amplitude ratio in the diagnosis of sensory axonal polyneuropathy. *Muscle Nerve* 1997;20:1236-1241.
27. **Kothari MJ**, Blakeslee MA, Reichwein R, Simmons Z, Logigian EL. Are electrodiagnostic studies useful in clinical practice? *Arch Phys Med Rehabil* 1998;79:1510-1511.
28. Simmons Z, Mahadeen ZI, **Kothari MJ**, Powers S, Wise S, Towfighi J. Localized hypertrophic neuropathy: magnetic resonance imaging findings and long-term followup. *Muscle Nerve* 1999;22:28-36.
29. **Kothari MJ**. Ulnar neuropathy at the wrist. *Neurologic Clinics* 1999;17(3):463-476.
30. You H, Simmons Z, Freivalds A, **Kothari MJ**, Naidu SH. Relationships between clinical symptom severity scales and nerve conduction measures in carpal tunnel syndrome. *Muscle Nerve* 1999;22:497-501.
31. Stabley JP, Frear EJ, Wine M, **Kothari MJ**. Benzodiazepine toxicity with profound suppression of the electroencephalogram: a case report. *JAOA* 2000;100 (7):435-436.
32. Parentis MA, Rumi MN, Deol GS, **Kothari M**, Simmons Z, Lee L, Bailey K, Smith M, Parrish WM, Pellegrini VD. A prospective randomized clinical trial comparing the median parapatellar approach to the vastus medialis muscle splitting approach in primary total knee arthroplasty. *Clin Orthopedics & Related Research* 1999;367:107-116.
33. **Kothari MJ**, Stabley J, Wojnar M, Edgar K, Jones BV, McNamara K. Basilar artery dissection in a young female: a case report. *Journal of Neuroimaging* 1999;9:240-243.

34. **Kothari MJ**, Brady J, Vu S, Simmons Z, Towfighi J. Significance of perivascular lymphocytic infiltration on nerve biopsy. *J Am Neuropsychiatry* 1999;13 (1): 40-43.
35. **Kothari MJ**. Neuromuscular junction abnormalities: case studies. *Hospital Physician* 2000;5(1):1-12.
36. **Kothari MJ**, Heistand M, Simmons Z. Side to side difference of nerve conduction amplitudes. *Electromyogr. clin Neurophysiol* 2000;40:81-82.
37. Simmons Z, Epstein DK, Borg B, Mauger DT, **Kothari MJ**, Shefner JM. Reproducibility of motor unit number estimation in individual subjects. *Muscle Nerve* 2001;24:467-473.
38. **Kothari MJ**. Entrapment neuropathies of the upper extremity. *Hospital Physician* 2001;6(3):1-15.
39. Peterlin BL, Flood W, **Kothari MJ**. The use of intravenous immunoglobulin in Lambert-Eaton Myasthenic Syndrome. *JAOA* 2002;102(12):682-684.
40. Fisher J, Parkinson K, **Kothari MJ**. Self-reported depressive symptoms in Myasthenia Gravis. *J Clin Neuromusc Dis* 2003;4(3):105-108.
41. Naidu SH, Fisher J, Heistand M, **Kothari MJ**. Median nerve function in patients undergoing carpal tunnel release: Pre- and post-op nerve conduction. *Electromyogr. Clin Neurophysiol* 2003;43:393-397.
42. Scott K, Simmons Z, **Kothari MJ**. A comparison of quantitative sensory testing with skin biopsy in small fiber neuropathy. *J Clin Neuromusc Dis* 2003;4(3):129-132.
43. Naidu SH, **Kothari MJ**. Thoracic Outlet Syndrome: does fiction outweigh facts? *Curr Opin Orthop* 2003;14:209-214..
44. Thomas GA, **Kothari MJ**. The neurological assessment and treatment of the difficult to extubate patient. *Neurol Clin N Am* 2004;22:315-328.
45. **Kothari MJ**. Myasthenia Gravis. *JAOA* 2004;104(9):377-384.
46. Szwejbka PE, Conter R, Tenser R, **Kothari MJ**. Bilateral anterior interosseous neuropathy following surgery: a case report. *Electromyogr. Clin Neurophysiol* 2004;44:183-186.
47. You H, Simmons Z, Freivalds A, **Kothari MJ**, Naidu SH, Young R. The development of risk assessment models for carpal tunnel syndrome: a case-referent study. *Ergonomics* 2004;47(6):688-709.

48. **Kothari MJ.** Unilateral diaphragmatic paralysis following thoracic outlet surgery: a case report. *Electromyogr. Clin Neurophysiol* 2004;44(6):375-378.
49. Garg S, Wright A, Reichwein R, Boyer P, Towfighi J, **Kothari MJ.** Mononeuritis multiplex secondary to sarcoidosis. *Clin Neurol Neurosurg* 2005;107:140-143.
50. Lundeen J, Fisher J, **Kothari MJ.** Frequency of anxiety in Myasthenia Gravis. *J Clin Neuromusc Dis* 2004;6(1):9-12.
51. Kapoor P, McCabe P, **Kothari MJ.** Levetiracetam induced polyneuropathy: a case report. *Electromyogr. Clin Neurophysiol* 2005;45:15-17.
52. Scott K, **Kothari MJ.** Evaluating the patient with peripheral nervous system complaints. *JAOA* 2005;105(2):71-83.
53. Scott KR, **Kothari MJ.** Hereditary Neuropathies. *Seminars in Neurology* 2005;25(2):174-184.
54. Scott KR, **Kothari MJ,** Murphy T, Venkatesh YS, Simmons Z. Parotid Gland Injections of Botulinum A Toxin are effective in treating sialorrhea in Amyotrophic Lateral Sclerosis. *J Clin Neuromusc Dis* 2005;7(2):62-65.
55. Scott KR, **Kothari MJ.** Self-reported Pain Affects Quality of Life in Myasthenia Gravis. *J Clin Neuromusc Dis* (In Press).
56. Kelly MJ, Rumi MN, **Kothari M,** Parentis MA, Bailey KJ, Parrish WM, Pellegrini VD. Comparison of the vastus-splitting and median parapatellar approaches for primary total knee arthroplasty: a prospective, randomized study. *J Bone & Joint Surg Am* 2006;88(4):715-720.
57. Bridgman C, Naidu S, **Kothari MJ.** Clinical and electrophysiological presentation of pronator syndrome. *Electromyogr. Clin Neurophysiol* 2007;47:89-92.
58. Chehebar DM, Scott KR, **Kothari MJ.** Guillain-Barre syndrome: A review and analysis of current neurorehabilitation approaches and outcomes. *Crit rev physical & rehabil med* 2006;18(4):283-301.
59. Kelly MJ, Rumi MN, **Kothari M,** Parentis MA, Bailey KJ, Parrish WM, Pellegrini VD Jr. Comparison of the vastus-splitting and median parapatellar approaches for primary total knee arthroplasty: a prospective, randomized study. Surgical technique. *J Bone & Joint Surg Am* 2007;89(1 suppl 2):80-92.
60. Somyreddy K, **Kothari MJ.** Nitrous oxide induced subacute combined degeneration of spinal cord: a case report. *Electromyogr. Clin Neurophysiol* (In press)

61. Scott K, Zeris S, **Kothari MJ**. Elevated B6 levels and peripheral neuropathies. *Electromyogr. Clin Neurophysiol* (In Press)
62. Nord K, Kapoor P, Fisher J, Thomas G, Sundaram A, Scott K, **Kothari MJ**. False positive rate of thoracic outlet syndrome diagnostic maneuvers. *Electromyogr. Clin Neurophysiol* (In Press)

### **Practice Parameter Guidelines**

1. AAEM Quality Assurance Committee. Practice parameter for repetitive nerve stimulation and single fiber EMG evaluation of adults with suspected myasthenia gravis or Lambert-Eaton myasthenic syndrome: summary statement. *Muscle Nerve* 2001;24(9):1236-1238.

### **Journal Publications (Non-Peer Reviewed)**

1. **Kothari MJ**. Electrodiagnosis affects diagnosis and treatment plans. *American Association of Electrodiagnostic Medicine Course B* 1997;7-11.
2. **Kothari MJ**, Logigian EL, Corwin L, Sudarsky LR. Botulinum toxin for apraxia of eyelid opening in patients with Machado-Joseph disease. *The Delta Recorder* 1997;34(2):5-10.
3. **Kothari MJ**, Darbey M, Kelly M, Bauer SB. Neurophysiologic and urodynamic evaluation of urinary tract function in patients with spinal cord injury. *The Delta Recorder* 1998;35(1):5-8.
4. Kong D, **Kothari MJ**, Naidu SA. The relationship between subjective and objective scales on CTS symptom severity using a self administered questionnaire. *Proceedings of the 46<sup>th</sup> annual meeting of the HFES*, 2002:1137-1141.

### **Book Chapters**

1. Hargrave K, **Kothari MJ**. Neurological complications of endocarditis. *E-medicine textbook of Neurology* (www.emedicine.com).
2. Hargrave K, **Kothari MJ**. Toxic Neuropathies: Drugs. In *Neuromuscular disorders in clinical Practice*. Katirji B, Kaminski HJ, Preston DC, Ruff RL, Shapiro BE. Butterworth-Heinemann, Boston, MA, pp 655-668.

3. Scott K, **Kothari MJ**. Entrapment neuropathies of the upper and lower extremity. In *The Clinical Neurophysiology Primer*. Blum A, Rutkove S. The Humana Press (In Press).
4. Robinson J, **Kothari MJ**. Myasthenia Gravis and Related Disorders. *Conn's Current Therapy*. Rakel RE, Bope ET. Saunders (Elsevier), Philadelphia, PA, pp 1086-1094.
5. Robinson J, **Kothari MJ**. Evaluation of the patient with cervical radiculopathy. UpToDate Online (In Press).
6. Scott K, **Kothari MJ**. Epidemiology of Carpal Tunnel Syndrome. UpToDate Online (In Press).
7. Scott K, **Kothari MJ**. Treatment of Carpal Tunnel Syndrome. UpToDate Online (In Press).
8. Thomas G, **Kothari MJ**. Clinical manifestations and diagnosis of carpal tunnel syndrome. UpToDate Online (In Press).

### **Abstracts**

1. Devinsky O, **Kothari MJ**, Rubin R, Mercandetti R, Luciano D. Felbamate for absence seizures. *Epilepsia* 1992;33 (suppl 3):84.
2. Bazil CW, **Kothari MJ**, Luciano D, Moroney J, Song S, Vasquez B, Weinreb HJ, Devinsky O. Provocation of nonepileptic seizures by suggestion in a general seizure population. *Epilepsia* 1993;34(suppl 6):30.
3. Luciano D, **Kothari MJ**, Devinsky O, Jonas S, Rubin R, Clayton B, Laufer I, Perrine K. Valproate, weight gain, and plasma insulin. *Epilepsia* 1993;34 (suppl 6):40.
4. **Kothari MJ**, Bauer S, Logigian E, Shefner J. Electrophysiological and urodynamic studies in patients with tethered spinal cords. *Neurology* 1994;44 (suppl 2):136.
5. Preston DC, Ross MH, **Kothari MJ**, Plotkin GM, Venkatesh S, Logigian EL. Correlation among the median and ulnar comparison studies in mild carpal tunnel syndrome. *Muscle Nerve* 1994;17 (9):1111.
6. **Kothari MJ**, Bauer S, Logigian E, Shefner J. Electrophysiological and urodynamic studies in patients with myelodysplasia and tethered cords. *Eur J Ped Surg* 1994;4 (suppl 1):14.

7. **Kothari MJ**, Rutkove SB, Logigian EL, Shefner JM. Coexistent entrapment neuropathies in patients with amyotrophic lateral sclerosis. *Neurology* 1995;45(suppl 4):447-448.
8. **Kothari MJ**, Rutkove SB, Caress JB, Hinchey J, Logigian EL, Preston DC. Sensitivity of median innervated digits in patients with carpal tunnel syndrome. *Muscle Nerve* 1995;18(9):1057.
9. **Kothari MJ**, Preston DC, Logigian EL. Lumbrical and interossei recordings localize ulnar neuropathy at the wrist. *Muscle Nerve* 1995;18(9):1057-1058.
10. Caress JB, **Kothari MJ**, Bauer SB, Shefner JM. Urinary dysfunction in Duchenne Muscular Dystrophy. *Muscle Nerve* 1995;18(9):1053.
11. Rutkove SB, **Kothari MJ**, Preston DC. The effect of wrist position on the conduction velocity of the ulnar nerve. *Muscle Nerve* 1995;18(9):1057.
12. Rutkove SB, **Kothari MJ**, Shefner JM. The effect of high temperature on nerve conduction studies. *Muscle Nerve* 1995;18(9):1058.
13. Nardin RA, **Kothari MJ**, Fadic R, Raynor EM, Rutkove SB. Sural/radial amplitude ratio in the diagnosis of sensory axonal polyneuropathy. *Muscle Nerve* 1996;19(9):1217-1218.
14. Stabley J, Towfighi J, Oyler-Teerlinck C, **Kothari MJ**. Utility of muscle biopsy in patients with myalgias. *Muscle Nerve* 1996;19(9):1189.
15. Blakeslee MA, Simmons Z, Logigian EL, **Kothari MJ**. Does an electrodiagnostic study change clinical management? *Muscle Nerve* 1996;19(9):1225.
16. **Kothari MJ**, Rutkove SB, Heistand M. Comparison of three ulnar nerve conduction studies in patients with ulnar neuropathy at the elbow. *Muscle Nerve* 1996;19(9):1194.
17. **Kothari MJ**, McIntosh K, Heistand M, Logigian EL. Medial antebrachial sensory studies in neurogenic thoracic outlet syndrome. *Muscle Nerve* 1996;19(9):1212.
18. Simmons Z, Towfighi J, Reichwein RR, **Kothari MJ**. Hereditary inclusion body myopathy (h-IBM) resembling spinal muscular atrophy (SMA). *Neurology* 1997;48:A124.
19. **Kothari MJ**, Heistand M, Simmons Z. Side-to-side comparison of amplitudes in nerve conduction studies. *Muscle Nerve* 1997;20(8):1081.
20. Reichwein RK, Shah DJ, **Kothari MJ**. Utility of sural nerve biopsy in patients with an absent sural nerve response. *Muscle Nerve* 1997;20(8):1081.

21. Mahadeen ZI, Simmons Z, **Kothari MJ**, Powers S, Wise S, Towfighi J. Localized hypertrophic neuropathy: magnetic resonance imaging findings and long-term follow up. *Muscle Nerve* 1997;20(8):1062.
22. **Kothari MJ**, Shah DJ, Towfighi J. Clinical Profile of patients with vasculitic neuropathy. *Muscle Nerve* 1997;20(8):1056.
23. Stabley J, Simmons Z, **Kothari MJ**. Axonal polyradiculoneuropathy associated with infectious mononucleosis. *Muscle Nerve* 1997;20(8):1057.
24. Hauck RM, Heistand M, Naidu SH, Simmons Z, **Kothari MJ**. Provocative nerve conduction testing in carpal tunnel syndrome. *Muscle Nerve* 1999;22(9):1314.
25. Martin A, Heistand M, Simmons Z, **Kothari MJ**. Correlation of needle electromyography and nerve conduction studies and imaging studies in patients with radiculopathy. *Muscle Nerve* 1999;22(9):1314-1315.
26. Simmons Z, Epstein D, **Kothari M**, Mauger D, Shefner JM. Reproducibility of motor unit number estimation in individual subjects. *Muscle Nerve* 1999;22(9):1319.
27. **Kothari MJ**, Heistand M, Simmons Z. A comparison of quantitative sensory testing to skin biopsy in small fiber neuropathy. *Muscle Nerve* 2002;26(4):573.
28. Scott K, **Kothari MJ**. Elevated B6 levels and peripheral neuropathy. *Muscle Nerve* 2002;26(4):572.
29. Naidu SH, **Kothari MJ**. Probabilities of nerve conduction parameters in cubital tunnel syndrome (In Press).
30. Scott KR, **Kothari MJ**, Simmons Z, Murphy TA, Venkatesh YS. Parotid gland injections of botulinum A toxin for refractory sialorrhea in patients with Amyotrophic Lateral Sclerosis—A pilot study. *Neurology* 2004;62(7):A136.
31. Scott K, **Kothari MJ**. Quality of life in Myasthenia Gravis. *Muscle Nerve* 2004 (In Press).
32. **Kothari MJ**, Basham M, Chobanoff S, Legro R, Gardner TW. Peripheral neuropathy in patients with Polycystic Ovary Syndrome. *Muscle Nerve* 2004 (In Press).
33. Nord KM, Kapoor P, Fisher J, Thomas G, Scott K, **Kothari MJ**. Determination of false-positive rate of thoracic outlet syndrome diagnostic maneuvers in carpal tunnel syndrome patients. *Neurology* 2005;64(6):A287.
34. Flaherty-Craig C, Wahlgren A, Simmons Z, **Kothari M**. Disruptions in cognition and personality in adult onset Myotonic Dystrophy type 1. *Neurology* 2006.

### **Papers Presented at Technical and Professional Meetings**

1. Bazil CW, **Kothari MJ**, Luciano D, Moroney J, Song S, Vasquez B, Weinreb H, Devinsky O. Provocation of Non-Epileptic Seizures by Suggestion in a General Seizure Population. (American Epilepsy Society, 1993).
2. Luciano D, **Kothari MJ**, Devinsky O, Jonas S, Ruben R, Clayton B, Laufer I, Perrine K. Valproate, Weight-Gain and Plasma Insulin. (American Epilepsy Society, 1993).
3. **Kothari MJ**, Bauer S, Logigian E, Shefner J. Electrophysiological and Urodynamic Studies in Patients with Tethered Spinal Cords. (American Academy of Neurology, 1994).
4. Preston DC, Ross MH, **Kothari MJ**, Plotkin GM, Venkatesh S, Logigian EL. Correlation Among the Median and Ulnar Comparison Studies in Mild Carpal Tunnel Syndrome. (American Association of Electrodiagnostic Medicine, 1994).
5. **Kothari MJ**, Bauer S, Logigian E, Shefner J. Electrophysiological and Urodynamic Studies in Patients with Myelodysplasia and Tethered Cords. (38th Annual Meeting, Society for Research into Hydrocephalus and SpinaBifida, 1994).
6. **Kothari MJ**, Rutkove SB, Logigian EL, Shefner JM. Coexistent Entrapment Neuropathies in Patients with Amyotrophic Lateral Sclerosis. (American Academy of Neurology, 1995).
7. **Kothari MJ**, Rutkove SB, Caress JB, Hinchey J, Logigian EL, Preston BC. Sensitivity of Median Innervated Digits in Patients with Carpal Tunnel Syndrome. (American Association of Electrodiagnostic Medicine, 1995).
8. **Kothari MJ**, Preston DC, Logigian EL. Lumbrical and Interossei Recordings Localize Ulnar Neuropathy at the Wrist. (American Association of Electrodiagnostic Medicine, 1995).
9. Caress JB, **Kothari MJ**, Bauer SB, Shefner JM. Urinary Dysfunction in Brashen Muscular Dystrophy. (American Association of Electrodiagnostic Medicine, 1995).
10. Rutkove SB, **Kothari MJ**, Preston BC. The Effect of Wrist Position on the Conduction Velocity of the Ulnar Nerve. (American Association of Electrodiagnostic Medicine, 1995).
11. Rutkove SB, **Kothari MJ**, Shefner JM. The effect of High Temperature on Nerve Conduction Studies. (American Association of Electrodiagnostic Medicine, 1995).

12. Nardin RA, **Kothari MJ**, Fadic R, Raynor EM, Rutkove SB. Sural/radial amplitude ratio in the diagnosis of sensory axonal polyneuropathy. (American Association of Electrodiagnostic Medicine, 1996).
13. Stabley J, Towfighi J, Oyler-Teerlinck C, **Kothari MJ**. Utility of muscle biopsy in patients with myalgias. (American Association of Electrodiagnostic Medicine, 1996).
14. Blakeslee MA, Simmons Z, Logigian EL, **Kothari MJ**. Does an electrodiagnostic study change clinical management? (American Association of Electrodiagnostic Medicine, 1996).
15. **Kothari MJ**, Rutkove SB, Heistand M. Comparison of three ulnar nerve conduction studies in patients with ulnar neuropathy at the elbow. (American Association of Electrodiagnostic Medicine, 1996).
16. **Kothari MJ**, McIntosh K, Heistand M, Logigian EL. Medial antebrachial sensory studies in neurogenic thoracic outlet syndrome. (American Association of Electrodiagnostic Medicine, 1996)
17. Simmons Z, Towfighi J, Reichwein RR, **Kothari MJ**. Hereditary inclusion body myopathy (h-IBM) resembling spinal muscular atrophy (SMA). (American Academy of Neurology, 1997)
18. **Kothari MJ**, Heistand M, Simmons Z. Side-to-side comparison of amplitudes in nerve conduction studies. (American Association of Electrodiagnostic Medicine, 1997)
19. Reichwein RK, Shah DJ, **Kothari MJ**. Utility of sural nerve biopsy in patients with an absent sural nerve response. (American Association of Electrodiagnostic Medicine, 1997)
20. Mahadeen ZI, Simmons Z, **Kothari MJ**, Powers S, Wise S, Towfighi J. Localized hypertrophic neuropathy: magnetic resonance imaging findings and long-term follow up. (American Association of Electrodiagnostic Medicine, 1997)
21. **Kothari MJ**, Shah DJ, Towfighi J. Clinical Profile of patients with vasculitic neuropathy. (American Association of Electrodiagnostic Medicine, 1997)
22. Stabley J, Simmons Z, **Kothari MJ**. Axonal polyradiculoneuropathy associated with infectious mononucleosis. (American Association of Electrodiagnostic Medicine, 1997)
23. Parentis MA, Pellegrini VD, Deol GS, **Kothari M**, Parrish WM. A prospective randomized clinical and electromyographic trial comparing the median parapatellar approach to the vastus medialis muscle splitting approach in primary total knee arthroplasty. (American Association of Hip and Knee Surgeons, 1998)

24. Parentis MA, Pellegrini VD, Deol G, **Kothari M**, Parrish WM. A clinical and electromyographic trial comparing the vastus splitting approach to the median parapatellar approach in primary total knee arthroplasty. (Pennsylvania Orthopedic Society, 1998).
25. Parentis MA, Pellegrini VD, Deol G, **Kothari M**, Parrish WM, Lee L. A prospective randomized clinical and electromyographic trial comparing the median parapatellar approach to the vastus medialis muscle splitting approach in primary total knee arthroplasty. (American Academy of Orthopedic Surgeons, 1998).
26. Naidu SH, **Kothari MJ**, Heistand M, Simmons Z, Pellegrini VD. Early Electrophysiologic Recovery Following Open Carpal Tunnel Decompression. (American Academy of Orthopedic Surgeons, 1998).
27. Hauck RM, Heistand M, Naidu SH, Simmons Z, **Kothari MJ**. Provocative nerve conduction testing in carpal tunnel syndrome. (American Association of Electrodiagnostic Medicine, 1999).
28. Martin A, Heistand M, Simmons Z, **Kothari MJ**. Correlation of needle electromyography and nerve conduction studies and imaging studies in patients with radiculopathy. (American Association of Electrodiagnostic Medicine, 1999).
29. Simmons Z, Epstein D, **Kothari M**, Mauger D, Shefner JM. Reproducibility of motor unit number estimation in individual subjects. (American Association of Electrodiagnostic Medicine, 1999).
30. Naidu S, **Kothari M**, Heistand M, Simmons Z, Pellegrini V. Early clinical and electrophysiologic recovery post carpal tunnel release. (American Society for Surgery of the Hand, 2000).
31. Scott K, **Kothari MJ**. Elevated B6 levels and peripheral neuropathy. (American Association of Electrodiagnostic Medicine, 2002).
32. Scott K, Simmons Z, **Kothari MJ**. A comparison of quantitative sensory testing to skin biopsy in small fiber neuropathy. (American Association of Electrodiagnostic Medicine, 2002).
33. Kelly M, Rumi, M, **Kothari M**, Parrish W, Pellegrini V. Vastus splitting compared to median parapatellar approach for primary total knee arthroplasty. (The Pennsylvania Orthopedic Society, 2003).
34. Kelly M, Rumi M, **Kothari M**, Parrish W, Pellegrini V. Vastus splitting compared to median parapatellar approach for primary total knee arthroplasty. (Society of Military Orthopedic Surgeons, 2003).

35. Naidu SH, **Kothari MJ**. Probabilities of nerve conduction parameters in cubital tunnel syndrome. (American Society for Surgery of the Hand, 2004)
36. Scott KR, **Kothari MJ**, Simmons Z, Murphy TA, Venkatesh YS. Parotid gland injections of botulinum A toxin for refractory sialorrhea in patients with Amyotrophic Lateral Sclerosis—A pilot study. (American Academy of Neurology, 2004).
37. Scott K, **Kothari MJ**. Quality of life in Myasthenia Gravis. (American Association of Electrodiagnostic Medicine, 2004).
38. **Kothari MJ**, Basham M, Chobanoff S, Legro R, Gardner TW. Peripheral neuropathy in patients with Polycystic Ovary Syndrome. (American Association of Electrodiagnostic Medicine, 2004).
39. Naidu S, **Kothari MJ**. Probabilities of nerve conduction parameters in cubital tunnel syndrome. (American Academy of Orthopedic Surgeons, 2005)
40. Nord KM, Kapoor P, Fisher J, Thomas G, Scott K, **Kothari MJ**. Determination of false-positive rate of thoracic outlet syndrome diagnostic maneuvers in carpal tunnel syndrome patients. (American Academy of Neurology, 2005).
41. Flaherty-Craig C, Wahlgren A, Simmons Z, Kothari M. Disruptions in cognition and personality in adult onset Myotonic Dystrophy type 1. (American Academy of Neurology, 2006).

### **Manuscripts in Progress**

1. Provocative Nerve Conduction Testing in Carpal Tunnel Syndrome
2. The development of a risk assessment model for carpal tunnel syndrome
3. Electrodiagnostic studies in patients with cerebellopontine angle tumors
4. Stiff person syndrome: A review
5. A longitudinal study of carpal tunnel syndrome in pregnancy
6. Clinical spectrum of symptoms in patients with carpal tunnel syndrome
7. Prevalence of peripheral neuropathy in patients with PCOS

### **Clinical Research Trials**

1. Zopolrestat in the Treatment of Diabetic Polyneuropathy (Pfizer). I was a **co-investigator** in this clinical trial.
2. A Phase II, Multi-Center, Open Label, Clinical Trial to Assess the Safety and Efficacy of PN-401 in Diabetic Neuropathy (Pro-Neuron, Inc). I was a **co-investigator** in this clinical trial.

3. A Phase III, Multi-Center, Double-Blind, Placebo controlled, Parallel group, Dose ranging study to evaluate the efficacy and safety of Topiramate versus placebo in the relief of pain in Diabetic Peripheral Neuropathy (R.W. Johnson, Pharmaceutical Institute). I was the **principal investigator** in this clinical trial.
9. A Randomized, Double Blind, Placebo-Controlled, Comparison of the Safety and Efficacy of ABT-594 to Placebo in Subjects with Painful Diabetic Polyneuropathy (Abbott Laboratories). I was a **co-investigator** in this trial.
5. A registry of arrhythmias in Myotonic Muscular Dystrophy. I was a **co-investigator** in this trial.
6. Botulinum toxin injections for sialorrhea in patients with ALS: A pilot study. (Allergan, Inc.) I am a **co-investigator** for this study.
7. PREEMPT (Phase III Research Evaluating Migraine Prophylaxis Therapy with Botulinum Toxin Type A). (Allergan, Inc) I am the **principal investigator** in this trial.
8. A multi-center, single-blind, randomized study comparing thymectomy to no thymectomy in non-thymomatous myasthenia gravis patients receiving prednisone. (NIH sponsored). I am the **principal investigator** in this trial.

### **Invited Lectures**

Neurophysiologic evaluation of lower urinary tract function (1995): Central Pennsylvania Neurological Society

New Anti-Epileptic Drug Therapy (1996): Grand Rounds, Hazelton General Hospital

Anti-Epileptic Drug Therapy (1996): Lehigh Valley Continuing Education

Electrodiagnosis affects diagnosis and treatment plans (1997): American Association of Electrodiagnostic Medicine, Course B

Update on Migraine Headaches (1998): Continuing Medical Education Series

Migraines: Diagnosis and Treatment (1998): Continuing Medical Education, Reading, PA

Overview of Migraine Therapy (1998): Seminar for Pharmaceutical Company (Merck)

Migraine Awareness Seminar (1998): Continuing Medical Education, Reading, PA

The appropriate, cost-effective use of diagnostic testing in the evaluation of spinal pain (2000): American College of Occupational and Environmental Medicine, Philadelphia, PA

Controversies regarding the cause and diagnosis of Carpal Tunnel Syndrome (2001): American College of Occupational and Environmental Medicine, San Francisco, CA

Controversies regarding the cause and diagnosis of Thoracic Outlet Syndrome (2001): American College of Occupational and Environmental Medicine, San Francisco, CA

Uses of AEDs outside of Epilepsy (2002): Update on Epilepsy Diagnosis and Management, PSU, Orlando, Florida

Restless Leg Syndrome (2003): Pennsylvania Osteopathic Family Physicians Society, Hershey, PA

Utility of electrodiagnostic studies (2004): GM Occupational Medicine Symposium, Palm Springs, CA

Thoracic Outlet Syndrome: Fact or Fiction (2006): Pennsylvania State University College of Medicine, Department of Neurology Grand Rounds

Numbness: central, peripheral or both? (2007): Pennsylvania State University College of Medicine, Department of Neurology Grand Rounds