

Nivedita Uberoi Jerath, M.D., M.S.



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Curriculum Vitae

Education, Medical Residency and Training

09/1999 – 07/2003	B. A., Economics, Harvard University, Cambridge, MA
07/2004 – 07/2008	M.D. Mayo Medical School, Rochester, MN
07/2008 – 07/2009	Internship, Internal Medicine, University of Illinois, Peoria, IL
07/2008 – 07/2012	Residency, Neurology, Harvard University, Boston, MA
07/2012 – 8/2013	Fellowship, Clinical Neurophysiology, University of Iowa, Iowa City, IA
08/2013 – 08/2014	Fellowship, Neuromuscular Diseases, University of Iowa, Iowa City, IA
08/2014 – 12/2016	M.S., Translational Medicine, University of Iowa, Iowa City, IA

Qualifications & Licensure

American Board of Psychiatry and Neurology Certified
 American Board of Electrodiagnostic Medicine (ABEM) Certified through AANEM
 Neuromuscular Medicine Board Certified through ABPN
 Florida Medical License
 Institutional Review Board (IRB) Trained and Certified

Professional Experience

2009 – 2012	Resident, Partners Neurology, Harvard Medical School, Boston, MA
2012 – 2014	Neurophysiology and Neuromuscular Fellow, Dept. of Neurology, University of Iowa, Iowa City, IA
2014 – 2017	Clinical Assistant Professor, University of Iowa, Iowa City, IA
2015 – 2017	Clinical Assistant Professor, Iowa City VA Health Care System, Iowa City, IA
2017 – 2018	Clinical Assistant Professor & Director, University of Florida CMT clinic, University of Florida, Gainesville, FL
2019 – 2024	Neuromuscular Director, AdventHealth Neuroscience Institute, Orlando, FL Hereditary Neuropathy Foundation Center of Excellence AANEM Electrodiagnostic Laboratory Accreditation with Exemplary status Partner in Care for Myasthenia Gravis Foundation of America ALSA Affiliated Clinic MDA Care Center CMT1A clinical trial PXT3003, ALS clinical trial ACT16970, WeSMA clinical trial
2024 – present	Provide neurological care to patients virtually through Post Acute Specialists Group and private practice as a neuromuscular expert
2024—present	Provide neurological care to patients in Egypt virtually through Docspert.

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2024 – present Expert witness experience for Medsurety Expert, Round Table Group, and Elite Medical Experts

Professional Memberships

2009 – present American Academy of Neurology (AAN)

2015 – present American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM)

2018 – present Peripheral Nerve Society (PNS)

2019 – present Advisory Board, Periodic Paralysis Association

2024—present American Neurological Association

Honors and Awards

2002 Honorable mention, Harvard Health Caucus Essay Contest

2003 Ames Award Nominee, Harvard Public Service Leadership Award

2003 Harvard College Scholarship for Academic Achievement

2008 Travel award recipient, Student Neurology Interest Group, Mayo Neurology Department,

2012 Harvard Medical School/MGH Principal Clinical Experience Teaching Award

2012 Nominee, Harvard Medical School Charles McCabe Excellence in Teaching Faculty Prize

2013 AANEM Foundation for Research and Education Junior Member Recognition Award

2014 Carrel-Krusen Neuromuscular Symposium Second Place Poster Award

2014 MDA Conference Best Poster Prize

2014 AANEM Foundation for Research and Education Junior Member Recognition Award

2015 University of Iowa “Making a Difference” Award

2016 University of Iowa “Making a Difference” Award

2016 Conference on Clinical Research Rare Diseases Travel Award

2022 Orlando Style Person of the Year Award

2022 AdventHealth Clinical Research Award

2023 Orlando Style Doctor of the Year Award

2023 Orlando Style Top Tier Professional Award

2023 Orlando Style Reader’s Choice Award

Select Research Grants

2023- present Hereditary Neuropathy Foundation Clinical Trial

Project: Natural History of CMT using a smart medical camera device.

Award: TBD

2014 – 2016 Muscle Dystrophy Association Clinical Research Training Grant, University of Iowa

Project: Driving Ability in Patients with CMT 1A

Mentor: Michael E. Shy, M.D.

Award: \$152,280

2014 – 2015 Internal Funding Initiatives Award, Office of the Vice President for Research and Development

University of Iowa Project – Integrated Neurological Control of Assistive Devices for Improved Function and health

Mentor: Karim Malek, PhD

Award: \$25,000

Clinical Trial Experience

- 2022-2024 Principal Investigator for CMT1A/PXT3003 clinical trial, Natural history study of Spinal Muscular Atrophy on patients taking risdiplam, and ALS/SAR443820, a RPIK1 inhibitor
- 2014-2016 Principal Investigator in clinical trial involving CMT1A and driving ability at University of Iowa
- 2014-2016 Long-term safety and efficacy of eculizumab in generalized myasthenia gravis
- 2017-2018 Subinvestigator in clinical trial FlexPharma, CMT, cramps at University of Florida
- 2021-2023 Principal investigator in clinical trial involving CMT1A and PXT 3003
- 2022-2023 Principal investigator in clinical trial involving ALS and SAR443820
- 2023-2024 Principal investigator in clinical trial involving SMA and evrysdi

Scores

- USMLE Step 1 Score: 239, 97% (2005)
- USMLE Step 2 Score: 260, 99% (2008)
- USMLE Step 3 Score: 237, 99% (2011)
- AANEM EDX Exam score: 137/146, highest score in the country for level of training, (2013)
- ABPN Board Certified, raw score of 92% (2013)
- Co-founder of USMLE Step 1 Email-a-Day (2009-2012)
- ABEM board certified in electrodiagnostic medicine (2020)
- ABPN board certified in neuromuscular medicine (2020)

Peer-Reviewed Journal Publications

1. Jerath NU, Simoens K, Mann D, Kollasch S, Grosland N, Malik KA, Reddy CG. Survey of the functional priorities in patients with disability due to neuromuscular disorders. *Disabil Rehabil Assist Technol*. 2019;24(2):133-137. doi:10.1080/1748310.2017.1413143
2. Jerath NU, Shy ME. Charcot-Marie-Tooth disease type 1A: Influence of body mass index on nerve conduction studies and the Charcot-Marie-Tooth Examination Score. *J Clin Neurophysiol*. 2017;34(6):508-511. doi:10.1097/0000000000000415
3. Jerath NU, Mankodi A, Crawford TO, et al. Charcot-Marie-Tooth disease type 4C: Novel mutations, clinical presentations, and diagnostic challenges of an atypical CMT. *Muscle Nerve*. 2018;57(5):749-755. doi:10.1002/mus.25981
4. Horga A, Laura M, Jaunmuktane Z, et al. Genetic and clinical characteristics of NEFL-related Charcot-Marie-Tooth disease. *J Neurol Neurosurg Psychiatry*. 2017. doi:10.1136/jnnp-2016-315077
5. Jerath NU, Shy ME. Charcot-Marie-Tooth disease type 1C: Clinical and electrophysiological findings for the c.334G>A (p.Gly112Ser) LITAF/SIMPLE mutation. *Muscle Nerve*. 2017. doi:10.1002/mus.25600

6. Hitchon PW, Holland M, Noeller J, et al. Options in treating trigeminal neuralgia: Experience with 195 patients. *Clin Neurol Neurosurg.* 2016;149:166-170. doi:10.1016/j.clineuro.2016.08.016
7. Jerath NU, Gutmann L, Reddy CG, Shy ME. Charcot-Marie-Tooth disease type 1X in women: Electrodiagnostic findings. *Muscle Nerve.* 2016;54(4):728-732. doi:10.1002/mus.25077
8. Jerath NU, Aul E, Reddy CG, et al. Prolongation of F-wave minimal latency: A sensitive predictor of polyneuropathy. *Int J Neurosci.* 2016;126(6):520-525. doi:10.3109/00207454.2015.1040492
9. Jerath NU, Strader SB, Reddy CG, et al. Factors influencing aversion to specific electrodiagnostic studies. *Brain Behav.* 2014;4(5):698-702. doi:10.1002/brb3.240
10. Pallanch JF, et al. Volumetric vs. Lund-Mackay computed tomographic staging for assessment of chronic rhinosinusitis. *Int Forum Allergy Rhinol.* 2013;3(12):963-972. doi:10.1002/ir.21219
11. Jerath NU, Reddy CG, Freeman WD, Jerath AU, Brown RD. Gender differences in presenting signs and symptoms of acute ischemic stroke: A population-based study. *Gend Med.* 2011;8(5):312-319. doi:10.1016/j.genm.2011.08.001
12. Jerath NU, Newman JS, Boes CJ. The biography of Mary E. O'Sullivan: An early headache specialist. *Cephalalgia.* 2009;29(10):1028-1033. doi:10.1111/j.1468-2982.2009.01845.x
13. Wei Ho KD, Rempe T, Jerath NU, Antony AB. Dorsal root ganglion stimulation as a treatment for painful hereditary and idiopathic axonal polyneuropathy. *Neuromodulation.* 2020;23(2):234-238. doi:10.1111/ner.12924
14. Jerath NU, Aksan N, Dawson J, et al. Driving simulator performance in Charcot-Marie-Tooth disease type 1A. *SAE Int J Transp Saf.* 2019.
15. Lin HP, Wei Ho KD, Jerath NU. Late-onset CMT2A in a family with an MFN2 variant (p.Leu741Trp). *J Neuromuscul Dis.* 2019;6(2):259-261. doi:10.3233/JND-190384
16. Wei Ho KD, Jerath NU. T118M PMP22 variant presenting with painful peripheral neuropathy: Case series and literature review. *Case Rep Genet.* 2018;2018:2618071. doi:10.1155/2018/2618071
17. Wei Ho KD, Jerath NU. V144D mutation of SPTLC1 presenting with painful and painless phenotypes. *Case Rep Genet.* 2018;2018:1898151. doi:10.1155/2018/1898151
18. Jerath NU, Shy ME. Asymmetric ataxia, epilepsy, and axonal neuropathy associated with a heterozygous POLG variant. *J Neuromuscul Dis.* 2018;5(1):99-104. doi:10.3233/JND-170229
19. Holland MT, Rettenmaier LA, Flouty OE, et al. Epidural spinal cord stimulation for restless legs syndrome. *World Neurosurg.* 2016;92:582.e15-582.e18. doi:10.1016/j.wneu.2016.05.077
20. Bevers MB, McGuone D, Jerath NU, Musolino PL. Leptomeningeal transthyretin amyloidosis presenting as acute hydrocephalus. *J Clin Neurosci.* 2016;29:203-205. doi:10.1016/j.jocn.2015.12.017
21. Shaikh F, Savells D, Awan O, et al. Quantitative FDG PET/CT imaging for central neurolymphomatosis. *Cureus.* 2015;7(11):e379. doi:10.7759/cureus.379
22. Jerath NU, Grider T, Shy ME. Progressive weakness from a KIF5A mutation. *Case Rep Genet.* 2015;2015:496053. doi:10.1155/2015/496053
23. Shaikh F, Chan AC, Awan O, et al. Diagnostic yield of FDG-PET/CT in neurolymphomatosis. *Cureus.* 2015;7(9):e319. doi:10.7759/cureus.319

24. Jerath NU, Shy ME, Grider T, Gutmann L. Neuromyotonia and axonal motor neuropathy from a HINT1 mutation. *Muscle Nerve*. 2015;52(6):1110-1113. doi:10.1002/mus.24774
25. Jerath NU, Kamholz J, Grider T, et al. Coexistence of PMP22 missense mutation and chromosome 17 deletion. *Muscle Nerve*. 2015;52(5):905-908. doi:10.1002/mus.24713
26. Jerath NU, Crockett CD, Moore SA, et al. Rare manifestation of a VCP mutation. *Case Rep Genet*. 2015;2015:239167. doi:10.1155/2015/239167
27. Jerath NU, Chen JJ, Miller BJ, Reddy CG. Teaching NeuroImages: Intraneural ganglion cyst of the tibial nerve. *Neurology*. 2014;82(20):e174-e175. doi:10.1212/WNL.0000000000000429
28. Jerath NU, Reddy CG, Moritani T, et al. Clinical reasoning: Shoulder pain after a fall. *Neurology*. 2014;83(11):e112-e116. doi:10.1212/WNL.0000000000000776
29. Reddy CG, Mauermann ML, Solomon BM, et al. Neuroleukemiosis as a cause of peripheral neuropathy. *Leuk Lymphoma*. 2012;53(12):2405-2411. doi:10.3109/10428194.2012.691480
30. Jerath NU. Multigenerational scapuloperoneal syndrome due to a VCP mutation. *Case Rep Genet*. 2019;2019:2403024. doi:10.1155/2019/2403024
31. Morikawa M, Jerath NU, Ogawa T, et al. KIF1A mutation hyper-stabilizes motor-neck interaction. *EMBO J*. 2022;41(5):e108899. doi:10.15252/embj.2021108899
32. Jerath NU. Mild late-onset sensory neuropathy associated with GDAP1 variants. *Case Rep Med*. 2022;2022:7492077. doi:10.1155/2022/7492077
33. Oishi T, Pagano J, Sellers C, Jerath NU. Periodic paralysis associated with MCM3AP variants. *J Clin Neuromuscul Dis*. 2023;25(1):36-41. doi:10.1097/CND.0000000000000454
34. Jerath NU, et al. Exertional weakness in female carriers of Duchenne muscular dystrophy. *J Clin Med Res*. 2023;4(2):1-5.
35. Jerath NU, et al. Severe back pain in hereditary neuropathy with liability to pressure palsy. *J Clin Med Res*. 2023;4(2):1-3.
36. Jerath NU, Lamichhane D, Jasti M, et al. Treating epilepsy in the setting of medical comorbidities. *Curr Treat Options Neurol*. 2014;16(7):298. doi:10.1007/s11940-014-0298-1
37. Jerath NU, Shy ME. Hereditary motor and sensory neuropathies: Molecular pathogenesis and future therapies. *Biochim Biophys Acta*. 2015;1852(4):667-678. doi:10.1016/j.bbdis.2014.07.031
38. Jerath NU, Kimura J. F-wave, A-wave, H-reflex, and blink reflex. *Handb Clin Neurol*. 2019;160:225-239. doi:10.1016/B978-0-444-64032-1.00015-1
39. Vu T, et al. Practical approach to managing SCIg treatment in chronic inflammatory demyelinating polyneuropathy. *Muscle Nerve*. Accepted January 9, 2026.

Books, Educational Media & Book Chapters

40. Dyken M, Lin-Dyken D, Jerath NU. *Video Vignettes for Atlas of Sleep Medicine*. 2nd ed. Elsevier; 2014.
41. Jerath N, Jerath A. *The Power of People-Skills*. Lulu; 2007.
42. Jerath A, Jerath N. *Affirmations for Academic Success*. Lulu; 2006.
43. Macci R, Jerath NU. *Billion Dollar Mind*. December 2023.
44. Jerath NU. *Neuromuscular Essentials*. February 2025.
45. Jerath NU. *Ultimate Guide to Neuromuscular Boards*. February 2025.

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46. Jerath NU. *Breaking Limits: Untold Stories of How Disability Became Power*. March 2025.
47. Jerath NU. *Herbal, Vitamin, and Natural Therapies for Neuromuscular Health*. February 2025.
48. Jerath NU. *Brain Adventure: My Trip to the Neurologist!* January 2025.
49. Jerath NU. *350 Neuromuscular Clinical Cases for Board Review, Clinical Practice, and Study*. October 2025.

Abstracts

1. Gender Differences in Presentation of Acute Ischemic Stroke. International Stroke Conference platform presentation. New Orleans, LA, 2008.
2. Biography of Mary E. O’Sullivan. American Academy of Neurology poster presentation. Chicago, IL, 2008.
3. Biography of Mary E. O’Sullivan. American Headache Society platform presentation. Boston, MA, 2008.
4. The Effect of Statins on the Enlargement of Intracerebral Hemorrhage. International Stroke Conference poster. San Diego, CA, 2009.
5. Important Attributes of a Physician from a Patient’s Perspective. AAMC. Houston, TX. 2009
6. Subarachnoid Hemorrhage and Acute Hydrocephalus in a patient with familial TTR amyloidosis. American Neurological Association. Boston, MA, 2013.
7. Inflammatory Cerebral Amyloid Angiopathy: As Unrecognized cause of reversible dementia. American Neurological Association. Boston, MA, 2013.
8. Sudden Visual Spatial Memory Loss as presenting manifestations of CJD. American Neurological Association. Boston, MA, 2013.
9. Factors Influencing Aversion to Electromyography and Nerve Conduction Studies. American Academy of Neuromuscular and Electrodiagnostic Medicine. San Antonio, TX, 2013.
10. A 6 year old girl with bilateral foot drop. Carrel-Krusen Neuromuscular Symposium, Dallas TX, 2014.
11. Coexistence of a T118M PMP22 missense mutation and Hereditary Neuropathy with Liability to Pressure Palsy. Muscle Dystrophy Association. Chicago, IL, 2014.
12. A Unique Manifestation of a VCP mutation. Presentation at the Unusual Neuromuscular Disease Conference. American Academy of Neurology. Philadelphia, PA, 2014.
13. Prolongation of F-wave minimal latency: A Sensitive Predictor of Polyneuropathy. American Academy of Neuromuscular and Electrodiagnostic Medicine. Savannah, GA, 2014.

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14. A Unique Manifestation of a VCP mutation. Carrel-Krusen Neuromuscular Symposium, Dallas TX, 2015.
15. An under recognized case of neuromyotonia and an axonal motor neuropathy in a 30 year old man: the first report of a HINT 1 mutation in the United States. Presentation at the Unusual Neuromuscular Disease Conference. American Academy of Neurology. Washington D.C., 2015.
16. CMT X Electrodiagnostic Findings in Women. Platform Presentation. American Academy of Neurology. Washington D.C., 2015.
17. Preliminary Data on Driving Ability in CMT 1A patients. Peripheral Nerve Society Conference, Quebec, Canada, 2015 and Clinical Research for Rare Diseases, Washington, DC, 2016.
18. Presentation of CMT1C cohort of patients and CMT 4C case series. Peripheral Nerve Society Conference, Sitges, Spain, 2017.
19. Presentation of SPTLC1 mutation and electrophysiological data in CMT2. Peripheral Nerve Society Conference, Baltimore, MD, 2018.
20. Charcot-Marie-Tooth disease type 1E associated with a novel point mutation in the PMP22 gene, Exon 3, c.84G>T (p.Trp28Cys) and NCV in the range of 12 m/s. Peripheral Nerve Society virtual conference, 2020
21. X-linked Charcot-Marie-Tooth disease associated with three novel point mutations of the the GJB1 gene, c.118G>A (p.Ala40Thr), c.72G>T (p.Trp24Cys), and c.793C>T (p.Arg265Cys). Peripheral Nerve Society virtual conference, 2020
22. Two unrelated individuals with pathogenic GDAP 1 mutations c.811 g>A (p.gly 271 arg) and GDAP1 c.358C>T (p.Arg120Trp) causing a very mild CMT 2K. Peripheral Nerve Society virtual conference, 2020
23. Severe back pain and burning pain all over can be seen in atypical presentations of Hereditary Neuropathy with Liability to Pressure Palsy. Peripheral Nerve Society virtual conference, 2021
24. Atypical Presentations of Channelopathies. AAN virtual conference, 2021.
25. Expanding the spectrum of TTN mutations. MDA conference, 2022.

Lectures

1. Neurology Grand Rounds. Friedrich's Ataxia. University of Iowa. February, 2014.
2. Diabetic Neuropathy. Painful Neuropathy Symposium. University of Iowa. April, 2014.

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3. Neurology Grand Rounds. Hereditary Spastic Paraparesis. University of Iowa. May, 2014.
4. Neurology Grand Rounds. Challenging Neuromuscular Case. Mayo Clinic Jacksonville. November, 2018 and AdventHealth Orlando September, 2019.
5. Charcot Marie Tooth Association talks. Updates on CMT. Tampa, FL and Atlanta, GA. April and June, 2018.
6. Florida Neurology Society. Neuromuscular Updates. October, 2020. (presented case on CIDP)
7. Periodic Paralysis Association Conference. Periodic Paralysis Updates. September, 2020.
8. CMT Updates, CMTA, Jacksonville, FL. September, 2019
9. FSHD updated, FSHD society, Virtual. May, 2021.
10. AdventHealth Grand Rounds, Neuromuscular Updates. April, 2021.
11. HNF center of excellence key note speech, Virtual, March, 2021.
12. Florida Neurology Society. Neuromuscular Updates. October, 2021. (presented case on GM1 antibody associated neuropathy)
13. Academic CME. Hereditary Amyloid Neuropathy. January 2025 (presented lecture in Orlando, FL at the Florida Society of Neurology and in March, 2025. (presented lecture in San Francisco, CA at the San Francisco Neurological Society)
14. Myasthenia Gravis Association. April 2026 (presenting lecture on Health and Wellness in Myasthenia Gravis in Ft. Lauderdale, FL)

Mentorship

1. Helped obtain an ICRU (Iowa Center for Research by Undergraduates) Research Scholarship for Mentee, Dylan Mann who worked with me on a project involving hand function studies in CMT1A. Dylan is currently in medical school. (2016-2017)
2. Harvard Undergraduate Admissions Representative for Iowa City and Gainesville, FL (2014-present).
3. Mentor to 4 undergraduate engineering students with potential research projects/papers (2014-2015).