

Curriculum Vitae

Rami Garo Apelian, MD, MPH, RPNI, FAES

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BOARD AND SUBSPECIALTY CERTIFICATION

Neurology

Diplomate, American Board of Psychiatry and Neurology

September 2011 – December 2022

Registered Physician in Neurovascular Interpretation

American Society of Neuroimaging

January 2013 – July 2025

Applied Principles of Physics and Fluid Dynamics, Carotid Duplex, Transcranial Doppler

Clinical Neurophysiology

Diplomate, American Board of Psychiatry and Neurology

October 2013 – December 2023

Epilepsy

Diplomate, American Board of Psychiatry and Neurology

October 2016 – December 2026

Headache Medicine

Diplomate, United Council for Neurologic Subspecialties

October 2020 – December 2030

SPECIALTY ORGANIZATION RECOGNITION

Fellow, American Epilepsy Society

Recognition for the meaningful contributions through research, clinical, or academic achievement, volunteerism, and leadership. October 2020.

EDUCATION

Bachelor of Science, Animal Physiology and Neuroscience

University of California San Diego, June 2000.

Master of Public Health, Health Systems Management

Tulane University School of Public Health and Tropical Medicine, May 2006.

Doctor of Medicine

Tulane University School of Medicine, May 2006.

RESIDENCY TRAINING

Internship, Internal Medicine

Tulane University School of Medicine, Department of Medicine. July 2006-June 2007.

Residency, Neurology

Los Angeles County - University of Southern California, Keck School of Medicine at the University of Southern California, Department of Neurology. July 2007-June 2010.

Chief Resident, Neurology

Los Angeles County - University of Southern California, Keck School of Medicine at the University of Southern California, Department of Neurology. May 2009-June 2010.

FELLOWSHIP TRAINING

Clinical Neurophysiology

Los Angeles County - University of Southern California, Keck School of Medicine at the University of Southern California, Department of Neurology. July 2010-June 2011.

SUPPLEMENTAL EDUCATION

J. Kiffin Penry Epilepsy Minifellowship

Resident's Program in Epilepsy. Wake Forest University, Winston-Salem, NC. June 2010.

Neuromodulation for Neurologists. Wake Forest University, Winston-Salem, NC. February 2019.

DIRECTORSHIPS AND ACADEMIC APPOINTMENTS

Medical Director of Epilepsy

Casa Colina Centers for Rehabilitation, 2013-2016

Instructor of Clinical Neurology

Department of Neurology at USC Keck School of Medicine, 2014-Present

Medical Director

Global Neurodiagnostics, 2016-2018

Medical Director

Huntington Headache and Neurology, 2020-Present

HOSPITAL AFFILIATIONS

USC Arcadia Hospital

Arcadia, CA. 2011-Present

Affiliate Medical Staff

Casa Colina Centers for Rehabilitation

Pomona, CA. 2011-Present

Affiliate Medical Staff

San Gabriel Valley Medical Center

San Gabriel, CA. 2011-2018

INDUSTRY COLLABORATIONS

Apokyn® (apomorphine), treatment for akinesia in patients with advanced Parkinson's disease. US WorldMeds, LLC. Speaker bureau member, advisory board consultant.

Aptiom® (eslicarbazepine), adjunctive and monotherapy treatment in partial onset seizures. Sunovion Pharmaceuticals, Inc. Speaker bureau member, advisory board consultant.

Austedo® (deutetrabenazine), treatment of chorea associated with Huntington’s disease and tardive dyskinesia. Teva Neuroscience, Inc. Speaker bureau member.

Botox® (onabotulinumtoxinA), prophylaxis of headaches in adult patients with chronic migraine. Allergan. Speaker bureau member, advisory board consultant.

Briviact® (brivaracetam), adjunctive and monotherapy treatment in partial-onset seizures. UCB, Inc. Speaker bureau member, advisory board consultant.

donanemab (pending FDA approval), investigational treatment for Alzheimer’s Disease. Lilly USA, LLC. Advisory board consultant.

Emgality® (galcanezumab-gnlm), calcitonin gene-related peptide (CGRP) antagonist indicated in adults for the preventive treatment of migraine and treatment of episodic cluster headache. Lilly USA, LLC. Speaker bureau member.

Epidiolex® (cannabidiol), treatment of seizures associated with Lennox-Gastaut syndrome, Dravet syndrome, or tuberous sclerosis complex in patients 1 year of age and older. Greenwich Biosciences, Inc. Speaker bureau member.

Fycompa® (perampanel), treatment of partial-onset seizures with or without secondary generalized seizures and adjunctive therapy in treatment of primary generalized tonic-clonic seizures. Eisai, Inc. Speaker bureau member.

Gocovri® (amantadine), treatment of dyskinesia in people with Parkinson’s disease treated with levodopa therapy. Adamas Pharmaceuticals, Inc. Speaker bureau member.

Ingrezza® (valbenazine), treatment of adults with movements in the face, tongue, or other body parts that cannot be controlled (tardive dyskinesia). Neurocrine Biosciences. Speaker bureau member.

Lyrica® (pregabalin), treatment of painful diabetic neuropathy, fibromyalgia. Pfizer, Inc. Speaker bureau member.

Ongentys® (opicapone), treatment used with levodopa and carbidopa in people with Parkinson’s disease (PD) who are having “OFF” episodes. Neurocrine Biosciences. Speaker bureau invitation extended, contract pending.

Myobloc® (rimabotulinumtoxinB), treatment of chronic sialorrhea in adults. US WorldMeds, LLC. Speaker bureau member, advisory board consultant.

Nayzilam® (midazolam), acute treatment of intermittent, stereotypic episodes of frequent seizure activity. UCB, Inc. Speaker bureau member, advisory board consultant.

Nuedexta® (dextromethorphan hydrobromide and quinidine sulfate), treatment of pseudobulbar affect (PBA). Avanir Pharmaceuticals, Inc. Speaker bureau member.

Nurtec™ ODT (rimegepant), acute treatment of migraine in adults. Biohaven Pharmaceuticals. Speaker bureau member, advisory board consultant.

Onfi® (clobazam), adjunctive treatment of seizures associated with Lennox-Gastaut Syndrome (LGS). Lundbeck. Speaker bureau member, advisory board consultant.

Qulipta™ (atogepant), preventive treatment of episodic migraine in adults. Abbvie. Speaker bureau member.

Ubrelvy™ (ubrogepant), acute treatment of migraine with or without aura in adults. Abbvie. Speaker bureau member.

Viepty™ (eptinezumab-jjmr), calcitonin gene-related peptide (CGRP) antagonist for the preventive treatment of migraine. Lundbeck Seattle BioPharmaceuticals, Inc. Speaker bureau member, advisory board consultant.

Vimpat® (lacosamide), adjunctive and monotherapy treatment in partial onset seizures. UCB, Inc. Speaker bureau member, advisory board consultant.

VNS Therapy®, adjunctive therapy in refractory partial seizures or generalized seizures. LivaNova. Speaker bureau member, advisory board consultant.

Xadago® (safinamide), adjunctive treatment to levodopa/carbidopa in patients with Parkinson's disease (PD) experiencing "off" episodes. US WorldMeds, LLC. Speaker bureau member.

Xarelto® (rivaroxiban), stroke risk reduction in nonvalvular atrial fibrillation, deep vein thrombosis and pulmonary embolism treatment and risk reduction. Janssen Pharmaceuticals, Inc. Speaker bureau member.

Xcopri® (cenobamate), treatment for partial onset seizures in adult patients. SK Life Science, Inc. Speaker bureau member, advisory board consultant.

RESEARCH, ABSTRACTS, AND PUBLICATIONS

"In Vivo Determination of Erythrocyte Aggregate Size." J.J. Bishop, P. Nance, M. Paknejad, R. Apelian, H. Kan, A.S. Popel, M. Intaglietta, and P.C. Johnson. Federation of American Societies for Experimental Biology Abstracts. April 2000.

"Kinetics of Cell Proliferation in a Vertebrate Retina, *Xenopus laevis*." H.T. Nguyen, E.D. Wood, R.G. Apelian, D.H. Rapaport. Society for Neuroscience. November 2000.

"Cell Cycle Timing in Vertebrate Retinal Cell Genesis: G2 Interphase Lengthens with Maturity." E.D. Wood, R.G. Apelian, L.L. Wong, J.M. Long, D.H. Rapaport. Society for Neuroscience. November 2001.

"Asian Woman Presenting with New Onset Refractory Status Epilepticus: Cyclophosphamide-responsive NMDA Receptor Encephalitis without Tumor." R.A. Shatzmiller, R.G. Apelian, J. Cho, D. Ko, D. Millet. American Epilepsy Society Annual Meeting. December 2010.

Subinvestigator. "A Phase IIb Repeat Dosing Clinical Trial of SB-509 in Subjects with Moderately Severe Diabetic Neuropathy." 2010-2011.

Subinvestigator. "A 2-year, Randomized, Double-blind, Placebo-controlled, Multi-center, Phase II-III Study to Evaluate the Efficacy and Safety of Oral Ranirestat (40 and 80 mg) in Mild to Moderate Diabetic Sensorimotor Polyneuropathy." 2010-2011.

Subinvestigator. "A Randomized, Double-Blind, Placebo Controlled, Cross-over Study of the Effectiveness of Immune Globulin Intravenous (Human), 10% (IGIV, 10%) for the Treatment of Multifocal Motor Neuropathy." 2010-2011.

Subinvestigator. "A Multi-Center, Single Blind, Randomized Study Comparing Thymectomy to No Thymectomy in Non-Thymomatous Myasthenia Gravis (MG) Patients Receiving Prednisone." 2010-2011.

Subinvestigator. "Randomized Double-Blind Parallel Trial of External Trigeminal Nerve Stimulation for Intractable Epilepsy." 2010-2011

Subinvestigator. "A Phase IIa, Double-blind, Randomized, Parallel-group, Multi-Centre Study to Evaluate the Analgesic Efficacy of 28 days Oral Administration of AZD2423 Compared with Placebo in Patients with Painful Diabetic Polyneuropathy." 2010-2011.

Subinvestigator. "RNS™ System Pivotal Clinical Investigation." 2010-2011.

Subinvestigator. "RNS™ System Long Term Treatment Clinical Investigation." 2010-2011.

Subinvestigator. "A Phase IIa, Double-Blind, Randomized, Parallel-Group, Multi-Centre Study to Evaluate the Analgesic Efficacy of 28 Days Oral Administration of AZD2066 with One-Dose Escalation Compared to Placebo in Peripheral Neuropathic Pain Patients with Mechanical Hypersensitivity." 2011.

Subinvestigator. "A Phase IIIb Multicenter, Double-Blind, Randomized Withdrawal Efficacy and Safety Study of Pregabalin in the Treatment of Patients with Inadequately Treated Painful Diabetic Peripheral Neuropathy." 2011.

Subinvestigator. "A Randomized, Double-Blind, Double-Dummy, Parallel-Group Study to Evaluate the Efficacy and Safety of Ocrelizumab in Comparison to Interferon Beta-1a (Rebif) in Patients With Relapsing Multiple Sclerosis" and subsequent extension protocol. 2011-2015.

Subinvestigator. "A phase III randomized, rater-and dose-blinded study comparing two annual cycles of intravenous low- and high-dose Alemtuzumab to three-times weekly subcutaneous interferon Beta-1a (Rebif) in patients with RRMS who have relapsed on therapy" and subsequent extension protocol. 2011-2015.

"Clinical and imaging findings in three patients with advanced inflammatory demyelinating polyradiculoneuropathy associated with nerve root hypertrophy." S.R. Beydoun, J. Muir, R.G. Apelian, J.L. Go, F.P. Lin. *Journal of Clinical Neuromuscular Disease*. 13, 3: 105–112 (2012)

Subinvestigator. “A one year, open label, dose escalation study to evaluate the long-term safety of arbaclofen extended release tablets in multiple sclerosis subjects with spasticity.” 2013-2014.

Subinvestigator. “Prospective, multi-center, randomized, double-blinded, partial crossover study to assess the safety and efficacy of the Bioness® Stimrouter™ Neuromodulation System in the treatment of patients with chronic pain of peripheral nerve origin.” 2013-2014.

Subinvestigator. “A Phase 3, 12-week, Double-Blind, Placebo-Controlled, Randomized, Multicenter Study to Evaluate the Efficacy of Oral Istradefylline 20 and 40 mg/Day as Treatment for Subjects With Moderate to Severe Parkinson's Disease.” 2013-2015.

“Measuring dose-related efficacy of eptinezumab for migraine prevention: post hoc analysis of PROMISE-1 and PROMISE-2” R Apelian, L Boyle, J Hirman, D Asher. *Journal of Headache and Pain*, **23**, 48 (2022).

MEDIA & BROADCASTING

KSDT Radio, University of California San Diego

On-Air Personality. September 1996-June 1998

Production Director. June 1997-June 1999

Operations Manager. June 1999-June 2000

Armenian American Medical Society

Guest, “Stay Healthy TV” Television Program, Aired May 24, 2017

Co-Host, “COVID-19 Expert CME Series” Web Programming, April 2020 - Present

TEACHING

University of California San Diego, Division of Biological Sciences

Teaching Assistant: Neurobiology and Behavior. Winter 2000

Teaching Assistant: Developmental Neurobiology. Spring 2000

Teaching Assistant: Systems Neurobiology. Winter 2001

Tulane School of Medicine, Department of Structural and Cellular Biology

Teaching Assistant: Anatomy for Biomedical Engineers. Spring 2002

Teaching Assistant: Medical Histology. Fall 2002

Teaching Assistant: Anatomy for Biomedical Engineers. Spring 2003

University of Southern California Neurology Residency Program

Monthly Resident Clinical Didactic Course. July 2007-June 2010

Quarterly Resident Multiple Sclerosis Didactic Course. July 2007-June 2008

Weekly Resident Epilepsy Didactic Course. July 2008-June 2009

University of Southern California Clinical Neurophysiology Fellowship

Weekly Fellowship Didactic Curriculum. July 2010-June 2011

Weekly Resident Epilepsy Didactic Course. July 2010-June 2011

Selected Resident Lectures. July 2010-June 2011

University of Southern California Department of Neurology Clinical Instructor
Monthly Medical Student Rotations in Neurology. 2014-Present

Armenian American Medical Society

Numerous Continuing Medical Education Lectures on Neurology, 2014 – Present
Guest, “Stay Healthy TV” Television Program, Aired May 24, 2017
Co-Host, “COVID-19 Expert CME Series” Web Programming, April 2020 - Present

AFFILIATIONS & MEMBERSHIPS

University of Southern California, Cardinal and Gold, 2002-2018
American Medical Association, 2002-Present
Louisiana State Medical Society, 2002-2007
Orleans Parish Medical Society, 2002-2007
American Academy of Neurology, 2005-Present
California Medical Association, 2007-Present
Los Angeles County Medical Association, 2007-Present
American Epilepsy Society, 2010-Present
Armenian American Medical Society, 2014-2020
American Headache Society, 2019-Present

LEADERSHIP

KSDT Radio, University of California San Diego

On-Air Personality. September 1996-June 1998
Production Director. June 1997-June 1999
Operations Manager. June 1999-June 2000

American Medical Association

Tulane Class of 2006 Representative, Medical Student Section, September 2002-April 2003
Tulane Chapter President, Medical Student Section, April 2003-April 2004
Delegate, Medical Student Region III, December 2003-December 2004

Louisiana State Medical Society

Activities Chair, Medical Student Section, December 2002-December 2003
Board of Governors Medical Student Representative, October 2003-April 2006
Committee Member, Committee on Rules and Order, October 2004
Committee Member, Insurance Committee, January 2006-May 2007.

Tulane School of Public Health and Tropical Medicine

Student Advisor, Dept. of Health Systems Management, August 2003-August 2004

Los Angeles County – University of Southern California

Neurology Representative, Committee of Interns and Residents/SEIU, July 2008-June 2009.
Resident Recruitment Coordinator, Department of Neurology, October 2008-February 2009.
Chief Resident, Department of Neurology, May 2009-June 2010.

Armenian American Medical Society

Executive Board Member, 2020

Membership Committee Chair, 2020

Continuing Medical Education Committee Member, 2020

OTHER ACCOMPLISHMENTS

Tulane School of Medicine, Department of Structural and Cellular Biology

Responsible for collecting, creating, and compiling an electronic image database of stained slide specimens for online use and CD-ROM distribution for the Medical Histology course offered to first-year medical students using slide and photograph scanners, photo-microscopy, and Adobe Photoshop. January 2002–June 2002.

Louisiana State Medical Society – Medical Student Section

Authored an operations and organization manual for the Board of Governors of the Louisiana State Medical Society outlining the organizational structure, mission, responsibilities, philanthropic goals, and recruiting targets of the Medical Student Section of the Louisiana State Medical Society. May 2006.

AWARDS AND SCHOLARSHIPS

Provost's Honors, Eleanor Roosevelt College, University of California San Diego, 1999

Howard Hughes Undergraduate Science Enrichment Program Scholarship, 1999

Howard Hughes Undergraduate Science Enrichment Program Scholarship, 2000

Outstanding Contribution, San Diego Science and Engineering Fair, February 2000

Outstanding Research Scholar, University of California San Diego, May 2000

Outstanding Contribution, San Diego Science and Engineering Fair, February 2001

W. Strange Memorial Scholarship, Tulane University School of Medicine, 2002-2003

W. Strange Memorial Scholarship, Tulane University School of Medicine, 2003-2004

Award of Appreciation, American Medical Association, 2004

Dees & Mattingly Memorial Scholarship, Tulane University School of Medicine, 2005-2006

Chief Resident, University of Southern California Department of Neurology, 2009-2010

National EpiFellows Foundation Award, 2010

America's Top Physicians, 2013-2022

Leading Physicians of the World, 2014

Pasadena Magazine Top Physicians, 2014-2022

Los Angeles Magazine Top Physicians, 2017-2022

HOBBIES AND LANGUAGES

Skiing, Golf, Cooking, Independent and International Music, College Football.

Fluent in Spanish. Conversational in Arabic and Armenian.