



Curriculum vitae of Benjamin Frishberg MD: April 2025

EDUCATION

University of Minnesota Medical School, Minneapolis, MN

Medical Degree, 1979

University of Minnesota, Minneapolis, MN

Bachelor of Arts, Summa Cum Laude, Physiological Psychology, 1974

University of California, Berkeley, CA 1970-1972

Internship

University of California School of Medicine, San Diego, CA 92093

Internal Medicine, 1979 – 1980

Residency

University of California School of Medicine, San Diego, CA 92093

Internal Medicine, 1980 – 1981

Neurology, 1981 – 1984

La Jolla Veterans Administration, La Jolla, CA

Chief Resident, Neurology, 1984

Fellowship

Emory University School of Medicine, Atlanta, GA 30322

Neuro-Ophthalmology, 1984 – 1985

RESEARCH AFFILIATION

Investigator – Profound Research LLC

6010 Hidden Valley Road Suite 200

Carlsbad, CA 92011

2023 - Present

David Baker, DO
Brian Droker, MD,
Christopher Bo, MD
Bilal Choudry, MD
Michael Delaney, MD
William Farnsworth, MD
Benjamin Frishberg, MD
Gary Gualberto, MD
Ross Hamilton, MD
Patrick Huott, MD
Lori Haase-Alasandro, PhD
Allison Kaup, PhD
Richard Lane, MD
Riya Luhar, DO
Kinjal Madhav, MD
Sandip Madhav, MD
Amy Nielsen, DO
Irene Oh, MD
Arthur Omuro, DO
Remia Paduga, MD
Tara Quesnell, DO
Jay Rosen, PhD
Mark Sadoff, MD
Aman Savani, MD
Gregory Sahagian, MD
Jack Schim, MD
Shreya Shah, MD
Anchi Wang, MD
Tracy Wang, MD
Brenton Wright, MD
June Yoshii-Contreras, MD
Johanna Yun, MD

Julienne Baugh NP
Katie Hermanson, PA
Stephanie Huang, PA
Andrew Inocelda, PA
Nicole Megali, PA
Arianna Rahim, PA
Elizabeth Rice, NP

Medical Neurology
Medical-Legal Evaluations
Neurodiagnostic Testing
Neuro-Ophthalmology
Neurologic Rehabilitation
Neuropsychological Testing
Botox Therapy
Movement Disorders
Pain Management
Sleep Medicine

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WORK HISTORY

Director of Clinical Research –The Research Center of Southern California

Carlsbad, CA

2014 – Present

Chief Operating Officer – The Neurology Center of Southern California

Carlsbad, CA

2016 – 2019

Medical Director – The Neurology Center of Southern California

Carlsbad, CA

2013 – 2016

Director – Multiple Sclerosis Center of Southern California

2008 – Present

Co-Director – The Headache Center of Southern California

La Jolla, CA 92037

2000 – 2015

Neurologist –The Neurology Center of Southern California

Carlsbad, CA

1997 – Present

Principal Investigator and Sub-Investigator – The Research Center of Southern California, LLC

Oceanside and Encinitas, CA

2007 – 2016

Principal Investigator and Sub-Investigator – The Research Center of Southern California, LLC

Carlsbad California 2016–2024

Principal investigator and sub-investigator-Profound Research Carlsbad California 2024–current

Neurologist – The Neurology Center, P.A.

Chevy Chase, MD

1985 – 1997

ACTIVE LICENSE AND CERTIFICATION INFORMATION

Physician and Surgeon G, Medical Board of California, Active

Neurology, American Board of Psychiatry and Neurology, 1985-Present

Headache Medicine, United Council of Neurologic Subspecialties, 2006-2020

ACADEMIC APPOINTMENTS

Clinical Professor of Neurosciences (Voluntary) – University of California

San Diego, CA

2013 – Present

Clinical Associate Professor of Neurosciences (Voluntary), University of California

San Diego, CA 92093

1998 – 2013

Adjunct Associate Professor of Neurology, Neuro-Ophthalmology, and Headache Medicine, Touro University School of Osteopathic Medicine

Las Vegas, NV 89014

2013 – Present

Clinical Professor of Ophthalmology/Director of Neuro-Ophthalmology, Howard University School of Medicine

Washington D. C. 20059

1993 – 1997

Clinical Assistant Professor of Neurology, Georgetown University School of Medicine

Washington, D.C. 20007

1992 – 1997

Clinical Assistant Professor of Neurology, George Washington School of Medicine

1985-1997

MEDICAL SOCIETIES

American Medical Association, Delegate from NANOS

American Academy of Neurology, Fellow

North American Neuro-Ophthalmology Society, Fellow

American Headache Society
 International Headache Society
 San Diego County Medical Society
 California medical Association
 American Medical Association
 Headache Cooperative of the Pacific, Founding Member

AWARDS

Phi Beta Kappa, 1974
 Alpha Omega Alpha Honor Medical Society, 1979
 Honor Award – American Academy of Ophthalmology, 1994
 Annual Teaching Award, Howard University Department of Ophthalmology, 1996
 Best Doctors Washington DC, 1993 – 1997
 Best Doctors San Diego 2003, 2004, 2005, 2013, 2021, 2023
 Best Doctors in America 2005 – 2020
 Top Doctors in America 2010 – 2015, 2023

PUBLICATIONS

Nejadnik B, Weintraub AH, Cramer SC, Steinberg GK, Kawabori M, Kesari S, Imai H, Groysman LI, Yasuhara T, Frishberg BM, Schwartz NE, Bates D, McAllister P. Efficacy and safety outcomes in patients with chronic traumatic brain injury: final analysis of the randomized, double-blind, surgical sham-controlled phase 2 STEMTRA trial. *To be presented at the 3rd Edition of the International Conference on Tissue Engineering and Regenerative Medicine. London, England, UK; August 21-23, 2023.*

Weintraub AH, Cramer SC, Steinberg GK, Kawabori M, Kesari S, Imai H, Groysman LI, Yasuhara T, Kim AS, Frishberg BM, Schwartz NE, Nejadnik B, Bates D, McAllister P. Final analysis of the double-blind, randomized, surgical sham-controlled, Phase 2 STEMTRA Trial: 1-year safety and efficacy outcomes in patients with chronic motor deficits secondary to traumatic brain injury. *To be presented at the 14th World Congress on Brain Injury. Dublin, Ireland; March 29-April 1, 2023.*

McAllister P, Frishberg BM, Lai A, Yasuhara T, Cramer SC, Kawabori M, Munin MC, Schwartz NE, Nejadnik B, Bates D, Imai H, Weintraub AH. Efficacy and safety outcomes in patients with chronic traumatic brain injury: final analysis of the phase 2 STEMTRA trial. *Presented at the Annual Meeting of the American Academy of Neurology. Seattle, WA; April 24-26, 2022.*

Prem S. Subramanian, Jason J. S. Barton, Paul Ranalli, Craig Smith, Courtney E Francis, Benjamin Frishberg. Consensus Statement on Visual Rehabilitation in Mild Traumatic Brain Injury, *Neurol Clin Pract*, Aug 2022.

Blumenfeld AM, Frishberg BM, Schim JD, Iannone A, Schneider G, Yedigarova L, Manack Adams A. Real-world evidence for control of chronic migraine patients receiving CGRP monoclonal antibody therapy added to onabotulinumtoxinA: A retrospective chart review. *Pain Ther*. 2021 Dec;10(2):809-826.

Blumenfeld AM, Frishberg BM, Schim JD, Iannone A, Schneider G, Yedigarova L, Manack Adams A. Real-World Evidence for Control of Patients With Chronic Migraine Who Received CGRP Monoclonal Antibody Therapy Added to OnabotulinumtoxinA Treatment. MTIS (2020) Migraine Trust International Symposium - 2020 Virtual Symposium. Published October 3, 2020.

Blumenfeld AM, Frishberg BM, Schim JD, Iannone A, Yedigarova L, Manack Adams A. Real-World Evidence for Control of Patients With Chronic Migraine Who Received CGRP Monoclonal Antibody Therapy Added to OnabotulinumtoxinA Treatment. HCOP (2021) Headache Cooperative of the Pacific - 14th Annual Winter Conference. Published January 28, 2021.

Blumenfeld AM, Frishberg BM, Schim JD, Hughes O, Manack Adams A. Real-World Evidence for Control of Chronic Migraine (CM) in Patients Meeting American Headache Society (AHS) Criteria Who Received Calcitonin Gene-Related Peptide Monoclonal Antibody (CGRPmAb) Therapy Added to OnabotulinumtoxinA Treatment. DHCREP (2021) Diamond Headache Clinic Research and Educational Foundation - 2021 Annual Research Summit. Published March 1, 2021.

Blumenfeld AM, Frishberg BM, Schim JD, Hughes O, Yedigarova L, Manack Adams A. Real-World Evidence for Control of Patients With Chronic Migraine Who Received CGRP Monoclonal Antibody Therapy Added to OnabotulinumtoxinA Treatment. AMCP (2021) Academy of Managed Care Pharmacy 2021 - 33rd Annual Meeting & Expo. Published April 13, 2021.

Blumenfeld AM, Frishberg BM, Schim JD, Iannone A, Yedigarova L, Manack Adams A. Real-World Evidence for Control of Chronic Migraine (CM) in Patients Meeting American Headache Society (AHS) Criteria Who Received Calcitonin Gene-Related Peptide Monoclonal Antibody (CGRPmAb) Therapy Added to OnabotulinumtoxinA Treatment. AAN (2021) American Academy of Neurology 2021 - 73rd Annual Meeting. Published April 17, 2021.

Blumenfeld AM, Frishberg BM, Schim JD, Hughes O, Yedigarova L, Manack Adams A. Real-World Evidence for Control of Chronic Migraine (CM) in Patients Meeting American Headache Society (AHS) Criteria Who Received Calcitonin Gene-Related Peptide Monoclonal Antibody (CGRPmAb) Therapy Added to OnabotulinumtoxinA Treatment. AHS (2021) American Headache Society - 63rd Annual Scientific Meeting. Publication expected June 4, 2021.

Blumenfeld AM, Frishberg BM, Schim JD, Hughes O, Manack Adams A. Real-World Evidence for Control of Patients With Chronic Migraine Who Received Calcitonin Gene-Related Peptide Monoclonal Antibody Therapy Added to OnabotulinumtoxinA Treatment. AHS (2021) American Headache Society - 63rd Annual Scientific Meeting. Publication expected June 4, 2021.

Posterior Cortical Atrophy: Characteristics From a Clinical Data Registry. Olds JJ, Hills WL, Warner J, Falardeau J, Alasantro LH, Moster ML, Egan RA, Cornblath WT, Lee AG, Frishberg

BM, Turbin RE, Katz DM, Charley JA, Pelak VS. *Front Neurol*. 2020 Jun 3;11:358

Okonkwo DO, McAllister P, Kawabori M, Chen JW, Frishberg BM, Achrol AK, Gross RE, Steinberg GK, Imai H, Lu D, Yasuhara T, Bates D. Safety and Clinical Outcomes in Traumatic Brain Injury Patients: Interim Analysis of the STEMTRA Trial. Presented at the American Association of Neurological Surgeons Meeting. San Diego, CA; April 16, 2019.

Kawabori M, Okonkwo DO, McAllister P, Chen JW, Frishberg BM, Achrol AK, Gross RE, Steinberg GK, Imai H, Yasuhara T, Suenaga J, Nakamura H, Karasawa Y, Hamada J, Bates D, Kaneko T. Safety and Clinical Outcomes in Traumatic Brain Injury Patients: Interim Analysis of the STEMTRA Trial. Presented at the 14th Korea-Japan Joint Conference on Surgery for Cerebral Stroke. Sapporo, Japan; April 26-28, 2019.

Karasawa Y, Imai H, Okonkwo DO, McAllister P, Kawabori M, Chen JW, Frishberg BM, Yasuhara T, Suenaga J, Nakamura H, Bates D, Kaneko T. Safety and Clinical Outcomes in Traumatic Brain Injury Patients: Interim Analysis of the STEMTRA Trial. Presented at the 20th Annual Meeting of the Japan Society for Molecular Neurosurgery. Tokyo, Japan; August 8-9, 2019.

Neuroimaging for Migraine: The American Headache Society Systematic Review and Evidence- Based Guideline. Evans RW, Burch RC, Frishberg BM, Marmura MJ, Mechtler LL, Silberstein SD, Turner DP. *Headache*. 2020 Feb;60(2):318-336. doi: 10.1111/head.13720. Epub 2019 Dec 31.

Posterior Cortical Atrophy: Characteristics From a Clinical Data Registry. Olds JJ, Hills WL, Warner J, Falardeau J, Alasantro LH, Moster ML, Egan RA, Cornblath WT, Lee AG, Frishberg BM, Turbin RE, Katz DM, Charley JA, Pelak VS. *Front Neurol*. 2020 Jun 3;11:358

Okonkwo DO, McAllister P, Kawabori M, Chen JW, Frishberg BM, Achrol AK, Gross RE, Steinberg GK, Imai H, Lu D, Yasuhara T, Bates D. Safety and Clinical Outcomes in Traumatic Brain Injury Patients: Interim Analysis of the STEMTRA Trial. Presented at the American Association of Neurological Surgeons Meeting. San Diego, CA; April 16, 2019.

Kawabori M, Okonkwo DO, McAllister P, Chen JW, Frishberg BM, Achrol AK, Gross RE, Steinberg GK, Imai H, Yasuhara T, Suenaga J, Nakamura H, Karasawa Y, Hamada J, Bates D, Kaneko T. Safety and Clinical Outcomes in Traumatic Brain Injury Patients: Interim Analysis of the STEMTRA Trial. Presented at the 14th Korea-Japan Joint Conference on Surgery for Cerebral Stroke. Sapporo, Japan; April 26-28, 2019.

Karasawa Y, Imai H, Okonkwo DO, McAllister P, Kawabori M, Chen JW, Frishberg BM, Yasuhara T, Suenaga J, Nakamura H, Bates D, Kaneko T. Safety and Clinical Outcomes in Traumatic Brain Injury Patients: Interim Analysis of the STEMTRA Trial. Presented at the 20th Annual Meeting of the Japan Society for Molecular Neurosurgery. Tokyo, Japan; August 8-9, 2019.

Okonkwo DO, McAllister P, Kawabori M, Chen JW, Frishberg BM, Achrol AK, Gross RE, Steinberg GK, Imai H, Lu D, Yasuhara T, Bates D. Safety and Clinical Outcomes following SB623 Stem Cell Implantation in Chronic Traumatic Brain Injury Patients: Interim Analysis of the Phase 2 STEMTRA Trial. Presented at the Military Health System Research Symposium. Kissimmee, FL; August 19-22, 2019.

Steinberg GK, Okonkwo DO, Semeniv I, Zinkevych L, McAllister P, Kawabori M, Chen JW, Frishberg BM, Achrol AK, Lai A, Gross RE, Weintraub AH, Lu D, Yasuhara T, Imai H, Paadre S, Niakian M, Kaneko T, Bates D. Safety/Efficacy of Bone Marrow-Derived Mesenchymal Stem Cells (SB623) Implantation after Chronic Traumatic Brain Injury. Presented at the American Academy of Neurological Surgery 81st Annual Meeting. Rome, Italy; September 19, 2019.

Imai H, Kawabori M, Yasuhara T, Okonkwo DO, McAllister P, Chen JW, Frishberg BM, Achrol AK, Gross RE, Steinberg GK, Lu D, Suenaga J, Nakamura H, Bates D, Kaneko T. One-Year Safety Outcomes in Traumatic Brain Injury Patients after Implantation of Modified BM-Derived MSCs (SB623): The STEMTRA Trial. Presented at the 78th Annual Meeting of the Japan Neurological Society. Osaka, Japan; October 9-12, 2019

Cramer SC, Semeniv I, McAllister P, Ikeda S, Frishberg BM, Lai A, Shinoda Y, Weintraub AH, Munin MC, Schwartz NE, Bates D. Interim Analysis of the STEMTRA Trial: Safety and Dose- Dependent Benefit in Traumatic Brain Injury Patients. To be presented at the American Congress of Rehabilitation Medicine Meeting. Chicago, IL; November 6, 2019.

Steinberg GK, Okonkwo DO, Semeniv I, Zinkevych L, McAllister P, Kawabori M, Chen JW, Frishberg BM, Achrol AK, Lai A, Gross RE, Weintraub AH, Lu D, Yasuhara T, Imai H, Paadre S, Niakian M, Kaneko T, Bates D. Safety and Efficacy of Intracerebral Implantation of Modified Bone Marrow-Derived Mesenchymal Stem Cells (SB623) in Patients with Chronic Motor Deficit from Traumatic Brain Injury. To be presented at the 65th Annual Meeting of the Western Neurosurgical Society. Scottsdale, AZ; November 8-11, 2019.

Weintraub AH, Semeniv I, McAllister P, Ikeda S, Frishberg BM, Lai A, Shinoda Y, Cramer SC, Munin MC, Schwartz NE, Bates, D. Safety and Clinical Outcomes in Chronic Traumatic Brain Injury Patients: Pre-Specified Interim Analysis of the STEMTRA Trial. To be presented at the 15th Annual Conference on Brain Injury. New Orleans, LA; February 27-29, 2020.

McAllister P, Semeniv I, Weintraub AH, Ikeda S, Frishberg BM, Lai A, Shinoda Y, Cramer SC, Munin MC, Schwartz NE, Nejadnik B, Bates D. Pre-Specified Interim Analysis of the STEMTRA Trial: Clinical Outcomes in Chronic Traumatic Brain Injury Patients. Submitted to the Annual Meeting of the American Academy of Neurology. Toronto, Canada; April 25-May 1, 2020.

Benjamin Frishberg MD, Headache and the Eye, in Headache and Migraine Biology and Management, Ed. Seymour Diamond, pp175-188. Elsevier 2015.

Frishberg BM., Invited Editorial. "Neuroimaging in headache: Lessons not learned" Cephalalgia. 2015 Feb 23. pii: 0333102415572919. [Epub ahead of print] No abstract available.

Loder E, Weizenbaum E, Frishberg B, Silberstein S; American Headache Society Choosing Wisely Task Force. Choosing wisely in headache medicine: the American Headache Society's list of five things physicians and patients should question. Headache. 2013 Nov-Dec;53(10):1651-9. doi: 10.1111/head.12233. Epub 2013 Oct 29. Review.

Coding in neuro-ophthalmology. Continuum (Minneap Minn). 2014 Aug;20(4 Neuro- ophthalmology):1075-83. doi: 10.1212/01.CON.0000453301.12486.47.

Friedman DI, Frishberg B. Neuro-ophthalmology and its contribution to headaches: a case-based approach. Expert Rev Neurother. 2010 Sep;10(9):1467-78. Review.

Paul Winner, Roger K. Cady, Gary E. Ruoff, MD, Benjamin M. Frishberg, MD , W James Alexander, MD, Ying Zhang, Shashidhar H. Kori, MD, and Shelly E. Lener, PharmD. Twelve- Month Tolerability and Safety of Sumatriptan/Naproxen Sodium for the Acute Treatment of Migraine. Mayo Clin Proc. 2007 Jan;82(1):61-8

Thomas L. Davis, MD, Matthew A. Brodsky, MD, Victoria A. Carter, MD, Marc DiFazio, MD, Ben Frishberg, MD, Eugene C. Lai, MD, PhD, John McGuire, MD, Douglas P. Meyer, RPh, Jill L. Ostrem, MD, Aliya I. Sarwar, MD,

and Kevin White, MD., Consensus Statement on the Use of Botulinum Neurotoxin to Treat Spasticity in Adults. P&T 31;666-682, 2006.

Stephen D. Silberstein, MD; Alexander Mauskop, MD; Benjamin M. Frishberg, MD; Stewart J. Tepper, MD; Peter McAllister, MD; Sheena K. Aurora, MD Frederick G. Freitag, DO. Predictors of Outcomes of Botulinum Toxin Type A in the Preventive Treatment of Headache, Poster presentation at Migraine Trust Meeting, London, 2006.

Stephen D. Silberstein, MD; Alexander Mauskop, MD; Benjamin M. Frishberg, MD; Stewart J. Tepper, MD; Peter McAllister, MD; Sheena K. Aurora, MD Frederick G. Freitag, DO. Program to Assess Headache Treatment Strategies: An Observational Study of Botulinum Toxin Type A in the Preventive Treatment of Migraine. Headache. 2006; 46: 846.

Paul Winner, DO, Roger K. Cady, MD; Gary E. Ruoff, Benjamin M. Frishberg et al Long-term Safety and Tolerability of a Fixed Single-Tablet Formulation of Sumatriptan RT Technology and Naproxen Sodium in the Acute Treatment of Migraine. Headache. 2006; 46:859-860.

Ninan T. Mathew, MD,† Benjamin M. Frishberg, MD,* Marek Gawel, MB, BCh, FRCPC,‡ Ronald DeGryse, MS, MA,§ Catherine Turkel, PharmD, MBA§ Botulinum Toxin Type A for the Prophylaxis of Chronic Daily Headache in Migraineurs: A Randomized, Double-Blind, Placebo Controlled Trial. Abstract, European Federation of Neurologic Societies meeting 2005.

Michael S. McCracken, MD; Benjamin Frishberg, MD; David B. Granet, MD; and Don O. Kikkawa, MD., Treatments for Functional Disorders: Off-Label Uses of Botulinum Toxin in Cosmetic and Clinical Applications of Botulinum Toxin, ed William Lipham MD, Slack Publishing, 2004.

Mathew NT, Frishberg BM, Gawel M, Dimitrova R, Gibson J, Turkel C; BOTOX CDH Study Group. Botulinum Toxin Type A (BOTOX) for the Prophylactic Treatment of Chronic Daily Headache: A Randomized, Double-Blind, Placebo-Controlled Trial, Headache.2005 Apr;45(4):293-307.

Frishberg, BM. "Miscellaneous Tumors of Neuro-Ophthalmologic Interest, In Walsh and Hoyt's Clinical Neuro-Ophthalmology 6th Edition, Ed. Miller, N, and Newman, N. Williams and Wilkens, Baltimore MD, 2004.

Frishberg, BM. A New Formulation of Dihydroergotamine (DHE) is Effective for Sustained Relief in the Acute Treatment of Migraine," Headache 43:5, 525, Abstract F17, May 2003.

Haneline, MT, Croft AC, Frishberg BM, "Association of internal carotid artery dissection and chiropractic manipulation." The Neurologist. Jan;9(1):35-44. 2003

Solomon, Seymour, Frishberg, Benjamin, Hu, Henry et al, "Migraine Treatment Outcomes with Rizatriptan in triptan-Naïve Patients: A Naturalistic Study. Clinical Therapeutics 23, 886-900, 2001.

Solomon, Seymour, Frishberg, Benjamin, Hu, Henry et al. , Improved Migraine Treatment Outcomes with Rizatriptan in triptan Naïve Patients, Proc of the American Headache Society, June, 2000. Headache, Supplement 2000.

McCrory DC, Simel DL, Frishberg BM, Gray RN. Evidence Report: Neuroimaging of Patients Presenting with Headache in the Primary Care Setting. Prepared by Duke University Center for Health Policy Research: January 5, 1999; Raleigh, NC.

Frishberg BM, "Neuroimaging in Presumed Primary Headache Disorders, Seminars of Neurology, 1997

Frishberg, BM, Clinical Examination of the Trigeminal Nerve. In Walsh and Hoyt's Clinical Neuro-Ophthalmology 5th edition. Edited by N. Miller and N. Newman, Williams and Wilkins, Baltimore, 1997.

Frishberg, BM, "To Lose a Hunt," Proc. Frank Walsh Society, March 1996

Frishberg, BM. The Utility of Neuroimaging in the Evaluation of Headache in Patients with Normal Neurological Examinations. Neurology 1994; 1191-1197.

Pearl, PL, Frishberg, BM. Migraines in Children. In: Decision Making in Pediatric Ophthalmology. Edited by CW Cibis, AC Tongue, MS Isern. Mosby Year Book, Philadelphia, 1993.

Palestine, AG, Frishberg, BM. Macular Edema in Acquired Immunodeficiency Syndrome - Related Microvasculopathy American Journal of Ophthalmology, 111:770-771, 1991

Sapin, LR, Frishberg, BM, Sherman, JL. MRI and Neuropsychological Correlates of Dementia in Binswanger's Disease. Archives of Clinical Neuropsychology, 5:89-97, 1990

Frishberg, BM, Spector, RH. Abdominal Mass and Bilateral Orbital Masses. Proc. Frank B. Walsh Society, 1986.

Frishberg, BM, Spector, RH. Neuro-Ophthalmologic Clues to Parasellar Disease. Contemporary Neurosurgery, Vol. 7, No. 19, 1985.

Frishberg, BM, Seybold, M. Optic Atrophy Followed by a Swollen Optic Disk. Proc. Frank B. Walsh Society, 1984

Milstein, J, Frishberg, BM. The Effect of Neonatal Hypothyroidism on Immature Rat Brain Mitochondrion. Proc Am Academy of Neurology, 1974

LECTURES AND TEACHING

Botox Migraine Injection Workshop, NANOS Annual meeting, Tucson Arizona March 2025

"High and Low Pressure Headaches", headache cooperative of New England, February, 2025 Greenwich, Connecticut

Moderator for "High and Low Pressure Headache session" at the Headache Cooperative of the Pacific Annual Meeting, Ojai California, January 2025

“New and Emerging Migraine Treatments”, NANOS Annual meeting, Maui, March 2024

“Efficacy and safety of satralizumab from two phase 3 trials in neuromyelitis optica spectrum disorder,” Platform Presentation. Z. Haskiva B. Frishberg, J. de Seze, B. Weinshenker, Y. Terada, Y. Kawata, A. Gianella-Borradori, C. von Büdingen, G. Klingelschmitt, A. Traboulsee, T. Yamamura. ARVO Virtual Presentation, May 2020

“Efficacy and safety of satralizumab from two phase 3 trials in neuromyelitis optica spectrum disorder,” Platform Presentation. B. Frishberg, J. de Seze, B. Weinshenker, Y. Terada, Y. Kawata, A. Gianella- NANOS Annual Meeting, Amelia Island Florida 2020

Borradori, C. von Büdingen, G. Klingelschmitt, A. Traboulsee, T. Yamamura. Annual NANOS Meeting- Amelia Island FL, March 2020

The Eyes Have it: TBI Med-Legal San Diego, CA, April 2019

What Neuro-Ophthalmologists need to know about Headache, April 2019, North American Neuro-Ophthalmology Association Annual Meeting, Las Vegas

Neuro-Ophthalmology of Traumatic Brain Injury, March 2019

Scripps Neuro-Rehabilitation Annual Conference

Updates on Migraine Management in Primary Care. Interfaith Medical Center, January 2019

Grand Rounds. Brooklyn New York

Forum on Neurotoxins for Headache and Facial Spasms. NANOS Annual Meeting, February 2018

Panelist on Wait, Wait, Don't Tell me at Headache Cooperative of the Pacific Annual Meeting, 2017, 2018, 2019

The Visual Symptoms of Migraine: Headache Cooperative of the Pacific Annual Meeting, 2016

Neuro-Ophthalmologists Guide to Botulinum Toxins: NANOS annual meeting, Tucson, AZ, 2016

Co-Chairman of Headache Session: NANOS Annual Meeting, Puerto Rico, March 2014

Host of Wait-Wait: Don't Tell Me at the Headache Cooperative of the Pacific Annual Meeting, 2014, 2015, 2016

Neuro-Ophthalmology of Brain Injury, 8th Annual Brain Injury Conference, Carlsbad CA, 2013

Neuro-Imaging in Headache Disorders, 5th Annual Winter Meeting of the Headache Cooperative of the Pacific (HCOP), Ojai, CA., 2012

Guest Lecturer, International Headache Society Headache Master's Program, Sao Paulo Brazil, September 2011

Overview of MS for Primary Care: Scripps Neurology for Primary Care Symposium, La Jolla CA, October 2010

Optic Neuritis and Multiple Sclerosis. Breakfast with the Experts, American Academy of Ophthalmology Annual Meeting, Chicago, October 2010

Things Mistaken as Migraine. American Academy of Ophthalmology Annual Meeting, Chicago, October 2010

Medication Overuse Headache: 3rd Annual Fall Symposium, Headache Cooperative of the Pacific, Carlsbad CA 9
American Academy of Ophthalmology Annual Meeting, Chicago, October 2010

Idiopathic Intracranial Hypertension: Clinical Pearls. Second Annual Headache Cooperative of the Pacific. Ojai CA., January 2010

Billing and Coding in Headache Management, First Annual Headache Cooperative of the Pacific Meeting, February 2008

Visual Impairment in Traumatic Brain Injury, Brain Injury Rehabilitation, Scripps Hospital, Encinitas CA, May 2007

Introduction to Migraine, Head and Eye Pain Course, American Academy of Ophthalmology, November 2006

Fundamentals of Migraine Prevention, Del Mar, CA, September 2006

Visiting Professor of Neuro-Ophthalmology, California Pacific Medical Center, May 2006

Participant, Migraine Innovators Program, Berlin Germany, May 2006

Botox for Chronic Daily Headache, Honolulu Hawaii, April 2006

Painful Ophthalmoplegia in Emergency Neuro-Ophthalmology Course, AAN Annual meeting, April 2006

Evaluation of Diplopia, Residents talk for UCSD Department of Ophthalmology, March 2006

Course Director, Botox in Neuro-Ophthalmology, NANOS annual meeting, February 2006

Course Director, 7th Annual Neurology for Primary Care Update Course, February 2006

Diagnosis and Therapy of Migraine, Inland Valley Pain Seminar, Temecula, CA., October 2005

Botox for Chronic Daily Headache, Las Vegas, NV., September 2005

Guide to Migraine Management, San Diego Pilipino Medical Society, San Diego, CA, August 2005

Platform presentation, American Headache Society, BOTOX CDH Study Group Botulinum Toxin Type A (BOTOX) for the Prophylactic Treatment of Chronic Daily Headache: A Randomized, Double-Blind, Placebo-Controlled Trial, Philadelphia, PA, June 2005

Platform presentation, American Academy of Neurology, BOTOX CDH Study Group Botulinum Toxin Type A (BOTOX) for the Prophylactic Treatment of Chronic Daily Headache: A Randomized, Double-Blind, Placebo-Controlled Trial, Miami FL, March 2005

Course Director: Headache and Facial Pain Symposium, North American Neuro-Ophthalmology Society, Copper Mountain CO, February 2005

Course Director, 6th Annual Neurology for Primary Care Update Course, February 2005

MS Diagnosis and Therapy, 6th Annual Neurology for Primary Care Update Course, February 2005

"Clinical Approach to Eye Movement Disorders," UCSD Dept of Ophthalmology Resident Lecture Series, January 2004

"Optimizing Patient Compliance, Primary Care Network, La Jolla, CA., January 2004

"Primer on Multiple Sclerosis," The Neurology Center 5th annual primary Care Update, January 2004

"Professor's Rounds," Department of Neurosciences, UCSD School of Medicine, January 2004

"Migraine: Treatment Approaches do make a Difference," Pri-Med Annual Meeting, Boston MA., November 2003

"Neurotoxins and their Ophthalmic Uses," Orange County Ophthalmologic Society, Newport Beach, November 2003

Neuroimaging in Headache for National Ambassador's Program, Cincinnati, OH., October 2003

"Migraine Care Program, La Jolla, CA., October 2003

"Neurotoxins and their use in Pain, Las Vegas, NV., October 2003

“Neuroimaging in Headache Disorders” and “Cluster Headache,” Kaiser Southern California Headache Management Seminar, Garden Grove, CA., September 2003

“New Options in Migraine Therapy,” Inland Valley Hospital CME Program, Temecula CA., September 2003

“Basic Headache Management,” Primary Care Approach to Pain, Palomar Hospital, Escondido, CA., August 2003

Primary Care Network, “Approaching Headache,” Dallas, Los Angeles, New York, April 2003

“Topiramate in the Treatment of Headache,” Orange County, April 2003

“Neurotoxins and their Clinical Applications” Scripps Memorial Hospital Grand Rounds, April 2003

North American Women’s Healthcare Forum, “Migraine Update,” Anaheim, March 2003

Fourth Annual Neurology Update for Primary Care, “The Role of Primary Care in the Diagnosis and Treatment of Multiple Sclerosis,” March 2003

Fourth Annual Neurology Update for Primary Care, Program Director, March 2003

“Neuro-Ophthalmic Issues in Neuro-Rehabilitation”, Grand Rounds, Scripps Encinitas Department of Rehabilitation, Jan 2003

Sinus Headache CME Program, October 2002

National Ambassador Program, “Diagnostic Testing in Headache,” Phoenix, Dallas, Seattle, 2002

Invited Speaker, San Diego Academy of Family Practice Annual Meeting, "Approaching the Diagnosis and Treatment of Headache," May 2002

Third Annual Neurology Update, Case Based Approach to Migraine, May 2002

Third Annual Neurology Update, Program Director, May 2002

"Lids and Pupils," Lecture to UCSD Neurology Residents, May 2002

"A New Option for the Management of Primary Headache, CME Program, Beverly Hills, CA, May 2002

"Debates in Headache," AAN Annual meeting, After Dinner Course, Denver, CO, April 2002

Rounds, Department of Neurology, University of Utah, Salt Lake City, UT, "The Visual Phenomena of Migraine," Salt Lake City, UT, March 2002

Multiple Sclerosis and Women's Health Issues, North American Women's Healthcare Forum, Anaheim, CA, March 2002

National Ambassador's Program, 2001-2002

Migraine Management, Annual Pain Seminar, Carlsbad, CA, September 2001

Web Presentation, Headache and Neuro-imaging, www.virtual-headache.com, August 2001

Neurology in OB-GYN, North American Women's, HealthCare Forum, Los Angeles, CA, June 2001

New Horizons in Migraine Prevention, Grand Rounds Presentation, JFK Memorial Hospital, Indio, CA, (CME), May 2001

New Horizons in Migraine Prevention, Grand Rounds, Desert Regional Hospital, Hemet, CA (CME), May 2001

New Horizons in Migraine Prevention, Grand Rounds, Eisenhower Hospital, Palm Springs, CA (CME), May 2001

Update on Migraine Management: Case based studies, Pri-Med Regional Update Courses, Long Island, Philadelphia, St. Paul, San Francisco, Detroit, Phoenix, Seattle, Cincinnati, Baltimore (CME), March 2001

Second Neurology Annual Update, Course Director and Lecture, La Jolla, CA (CME), February 2001

Controversies in Headache Management, San Diego Neurologic Society, (CME), January 2001

Women's Issues in Migraine Diagnosis and Management, Las Vegas (CME), December 2000

Principles of Migraine Management, Sharp Mission Park, Medical Education Meeting, Carlsbad, CA. (CME), November 2000

Botox in Migraine Headache, Section of Neurology Meeting, Eugene, Oregon (CME), November 2000

Headache: Diagnosis and Diagnostic Testing, Ambassador Program, Long Beach, CA (CME), September 2000

Migraine: Issues in Diagnosis and Treatment, St. Cloud, MN (CME), August 2000

Coding Issues in the MS patient, Biogen Regional MS Update Course, July 2000

Migraine 2000: Issues in Diagnosis and Management, Kern County PA and RNP Association, Bakersfield, CA, (CME), July 2000

Migraine and Hormones, CME Program for Bakersfield Women's Health Group (CME), July 2000

Invited Speaker: Neuro-imaging in Headache, Report of the US, Headache Consortium, Plenary Session, American Headache Society Annual Scientific Meeting, Montreal, Canada (CME), June 2000

Migraine Management: Case based studies, Pri-Med Regional, Update Courses, Houston, Philadelphia, St. Paul, San Francisco, Atlanta, Cincinnati, Baltimore (CME), May 2000

Migraine Basics for OB-GYN, Las Vegas OB-GYN Association (CME), April 2000

Migraine Management: What do patients really want? Pri-Med Regional Primary Care Meeting, Long Beach, CA, April 2000

Migraine Diagnosis and Management, Kern County Nurse Practitioner/Physician Assistant Association, Bakersfield, CA (CME), March 2000

The Headache Dilemma, Grand Rounds Presentation, Great Falls Hospital, Great Falls, MT (CME), March 2000

Efficacy of the Triptans, Merck Regional Consultants Meeting, Williamsburg, VA, 3/2000

Basics of Headache Diagnosis and Management, First Annual Neurologic Update for Primary Care, La Jolla, CA, (CME), 2/2000

The ABC's of Multiple Sclerosis Treatment, First Annual Neurologic Update for Primary Care, La Jolla, CA (CME), 2/2000

Basics in Diagnosis and Management of Migraine, Kaiser Dept. of OB-GYN, Baldwin Park, CA., (CME), 1999

Coding and Management in the Multiple Sclerosis Clinic, Biogen Regional Consultants Meeting, 1999

Neuro-Ophthalmology in Stroke Rehabilitation, Stroke Rehabilitation: Evidence Based and Practical, Management, Los Angeles, CA, ASNR and AAN, 1999

Practice Issues in Rehabilitation: Coding and Reimbursement, Issues: Evidence Based and Practical Management, Los Angeles, CA. ASNR and AAN, 1999

An Ophthalmologist's Guide to Migraine, Visions in Ophthalmology, Scripps Memorial Hospital, 1999

Capitation in Neurology, The Southern California Experience, AAN Advanced Practice Management Course, 1999

Course Director, Basic Practice Management for Neurologists, American Academy Neurology Regional Courses, Atlanta, San Diego, Dallas and New York, 1999

Course Director: "Basic Practice Management for Neurologists," American Academy of Neurology Annual Meeting, Boston, Minneapolis, Toronto, and San Diego, 1999

The Visual Phenomena of Migraine, UCSD Neurology Grand Rounds, 1998

Treatment of Spasticity, San Diego Chapter, National Multiple Sclerosis Society, 1998

Treatment Options in MS, San Diego Chapter, National Multiple Sclerosis Society, 1998

Migraine, Diagnosis and Treatment, Four Seasons, Carlsbad, CA, 1998

Neuroimaging in Primary Headache Disorders, St. Joseph Hospital, Orange, CA, 1998

Practice Mergers and Acquisitions, American Academy, Regional Course, San Diego, CA, 1998

Practice Mergers and Acquisitions, American Academy of Neurology, Annual Meeting, Minneapolis, 1998

Diagnosis and Treatment of Alzheimer's disease, Sharp Mission Park Medical Clinic CME Program, Oceanside, CA

Basics of Managed Care and Healthcare Integration, American Academy of Neurology Annual Meeting, Boston, Minneapolis, 1997

Neuro-Ophthalmology in the Era of Managed Care, 11th Annual Alumni Conf., Howard Univ., 1997

Coding Issues in Neurology, Department of Neurology, University of Mississippi, 1996

Managed Care, Department of Neurology, University of Mississippi, 1996

Giant Cell Arteritis - the Good, the Bad, and the Ugly, 10th Annual Alumni Conference, Howard Univ., 1996

Managed Care and Healthcare Integration, Neurology Society Course on Managed Care at Yale University, 1996

Healthcare Integration, American Academy of neurology Annual Meeting, San Francisco, California, 1996

Managed Care Issues for Neuro-Ophthalmologists, North American Neuro-Ophthalmology Society, 1996

Ophthalmic Manifestations of Cat Scratch Disease, 9th Annual Alumni Conference, Howard University, Washington, D.C., 1995

Reimbursement Issues in Neuroimaging, Columbia University Course on Functional Brain Imaging, 1995

Basics of Managed Care, American Academy of Neurology Annual Meeting, Seattle, Washington, 1995

When is Ocular Migraine Not Ocular Migraine? Scientific Session, American Academy of Ophthalmology, 1994

An Ophthalmologist's Guide to Migraine, Course Director, American Academy of Ophthalmology Annual Meeting, 1985-1993

Acute Visual Loss: Neuro-Ophthalmic Considerations, Associate Instructor, American Academy of Ophthalmology National Meeting, 1991-1993

Neuro-Ophthalmic Features of Lyme Disease, Neuro-Ophthalmology Update Course, Fairfax Hospital, 1990

Course Director, Neuro-Ophthalmology Update Course, Fairfax Hospital, 1990

MRI of the Cavernous Sinus, Presentation at North American Neuro-Ophthalmology, Society Meeting, Steamboat Springs, Colorado, 1990

LECTURES & TEACHING Continued

Painful Horner's Syndrome, Department of Ophthalmology, Grand Rounds, Georgetown University, 1989

Transient Visual Loss, American Academy of Ophthalmology Regional Update Course, 1987

Neuro-Ophthalmology for the Emergency Room Physician. A Guide to Cerebrovascular disease, Kaiser Permanente Emergency Medical Annual Review, Long Beach, CA, 1986

OTHER

Professional Service

AMA delegate for the North American Neuro-Ophthalmology Society, 2022 – Present

NANOS Committee Member and Co-Chair Development Committee, 2018 – Present

AAN and Practice Committee North American Neuro-Ophthalmology Society, 2018 – 2019

Co-Chairman of the Frank Walsh Society Annual Meeting, 1992 and 2015

Chairman of the Ethics Committee, North American Neuro-Ophthalmology Society, 2011 – 2014

Treasurer, Headache Cooperative of the Pacific, 2007 – 2025

Chairman, US Headache Consortium guidelines on Neuroimaging in Headache Update, 2005 – 2010

Membership Committee, American Headache Society, 2004 – 2007

Site Management Committee, North American Neuro-Ophthalmology Society, 2003 – 2006

Finance Committee, North American Neuro-Ophthalmology Society, 2002 – 2004

Chief of Neurology, Scripps Hospital, La Jolla, CA, 2002 – 2004

Chief of Neurology, Scripps Hospital, Encinitas, CA, 2001 – 2003

Medical Advisory Board, Myasthenia Gravis Foundations of California, 1999 – 2020

Program Director, San Diego Neurological Society, 1999 – 2002

Medical Economics Committee, Association of California Neurologists, 1999 – 2004

Ad Hoc Reviewer, Headache, 1999 – Present

Ad Hoc Reviewer, Neuro-Ophthalmology, 2001 – Present

Ad Hoc Reviewer, Cephalalgia, 2003 – Present

Ad Hoc Reviewer, American Journal of Ophthalmology, 2012 – Present

Ad Hoc Reviewer, Lancet-Eye, 2012 – Present

Ad Hoc Reviewer, CNS Drugs, 2012 – Present

Team Leader, Evidence Based Guidelines for Neuro-imaging in Primary Headache Disorders, United States Headache Consortium, 1994 – 1999

Member, American Academy of Neurology, United States Headache Consortium, 1996 – 1999

Member, American Board of Psych. and Neurology Committee on Recertification in Neurology, 1999 – 2006

Member, World Federation of Neurology (WFN) Research Group in Neuro-ophthalmology and Neuro-otology, 1998 – 1999

Member, Nominations Committee, American Academy of Neurology, 2000

Member, Practice Improvement Subcommittee, American Academy of Neurology, 1999 – 2001

Member, Medical Economics and Management Committee, American Academy of Neurology, 1993 – 1999

Board Examiner, American Board of Psychiatry and Neurology, 1999 – 2006

Regional Medicare Carrier Advisory Committee, 1993 – 1997

Advisor, American Academy of Neurology Advisor to the AMA's RBRVS Update Committee (R.U.C.), 1994 – 1996

Convention Planning Committee, N. American Neuro-Ophthalmology Soc., 1994 – 1998

Managed Care Committee, North American Neuro-Ophthalmology Society, 1999

Member, Quality Standards Committee, American Academy of Neurology, 1990 – 1993

Chairman, Medical Advisory, Myasthenia Gravis Foundation, Washington DC Chapter, 1989 – 1994

President, Phi Delta Epsilon Medical Fraternity, Washington DC Chapter, 1990 – 1991

RESEARCH

Alzheimer's Disease

ACU193-201: A Phase 2/3 Double-Blind, Randomized, Placebo-Controlled Adaptive Design Trial to Evaluate the Efficacy and Safety of Intravenous ACU193 in Early Alzheimer's Disease. Principal Investigator - 2024

PTI-125-10 An Open-Label, Long-Term Extension Study to Evaluate the Safety and Tolerability of Simufilam 100 MG Tablets in Participants with Mild to Moderate Alzheimer's Disease. Principal investigator - 2023

I9X-MC-MTAE Assessment of Safety, Tolerability, and Efficacy of LY3372689 in Early Symptomatic Alzheimer's Disease. Principal investigator - 2022

TempO-Seq Whole Blood Assay for Evaluation of Progression and Outcome in Neurodegenerative and other Diseases. Sub-investigator – 2021

PTI-125-06 A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, 76-Week Study Evaluating the Safety and Efficacy of Two Doses of Simufilam in Subjects with Mild-to Moderate Alzheimer's Disease. Principal Investigator – 2021

JIG-MC-LAKC. Assessment of safety and efficacy measured by amyloid reduction of LY3372993 in early symptomatic AD. Principal Investigator– 2021

I5T-MC-AACI. Assessment of safety, tolerability, and efficacy of Donanemab in early symptomatic Alzheimer's disease. Principal Investigator – 2020

BN29553: A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group, Efficacy and Safety Study of Crenezumab in Patients with Prodromal to Mild Alzheimer's Disease. Study Coordinator – 2017

251AD201: Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess the Safety, Tolerability and Efficacy of BIIB092 in Subjects with Mild Cognitive Impairment due to Alzheimer's Disease or with Mild Alzheimer's Disease. Principal Investigator – 2017

Starbeam/Lundbeck: Alzheimer's Study Randomized, double-blind, parallel-group, placebo-controlled, fixed-dose study, of Lu AE58054 in patients with mild-moderate Alzheimer's disease-

Treated with donepezil. Sub-Investigator – 2015

I8D-MC-AZET: A Randomized, Double-Blind, Placebo-Controlled and Delayed-Start study of Ly3314814 in Mild Alzheimer's Disease Dementia (The Daybreak Study) Principal Investigator – 2016

PrecisionMed 8009: Sample registry: Serial Alzheimer's disease and MCI prospective longitudinal evaluation longitudinal cognition follow-up and serial DNA/RNA/SERUM/PLASMA/CSF banking in subjects with MCI or MILD Alzheimer's disease. Sub- Investigator - 2013

AAB-001-SC-ALZ-2003: A Phase 2, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Multi-Center, Biomarker, Safety, and Pharmacokinetic Study of Bapineuzumab (AAB-001) Administered Subcutaneously at Monthly Intervals in Subjects with Mild to Moderate Alzheimer's Disease. Sub-Investigator – 2010

ELN115727-351: A Phase 3 Extension, Multicenter, Double-Blind, Long Term Safety and Tolerability Treatment Trial of Bapineuzumab (AAB-001, ELN115727) in Subjects with Alzheimer's Disease who Participated in Study ELN115727-301 or in Study ELN115727-302. Sub-Investigator – 2009

ELN115727-301 & 302: A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Efficacy and Safety Trail of Bapineuzumab (AAB-001,ELN115727 in Patients with Mild to Moderate Alzheimer's Disease who are Apolipoprotein E ϵ 4 Non- Carriers (301) or Carriers (302).Sub-Investigator - 2008

VP-AD-301: A Double-Blind Placebo-Controlled Study of VP4896 for the Treatment of Mild to Moderate Alzheimer's Disease. Principal Investigator - 2006

PRX-03140: A Randomized, Double-Blind, Placebo Controlled, Phase IIa Study to Assess the Short-Term Effects of PRX-03140 Alone and in Combination with Donepezil in Subjects with Mild Alzheimer's Disease. Sub-Investigator – 2006

TVP1012-A001-201- A 1-Year, double-blind, randomized, placebo-controlled study of Rasagiline 1 mg and 2 mg added to Aricept 10 mg daily in patients with mild to moderate dementia of the Alzheimer's type. Sub-Investigator - 2004

GAL-INT-11: A randomized double blind placebo-controlled trial to evaluate the efficacy and safety of galantamine in subjects with mild cognitive impairment (MCI) clinically at risk for development of clinically probably Alzheimer's disease. Sub-Investigator – 2001

Parke-Davis 979-16: Open label extension of A 26-week, randomized, double-blind, placebo-controlled, parallel-group, multi-center with a sustained active phase study of Milameline (CI-979/RU 35926) in patients with probable Alzheimer's disease. Sub-Investigator - 1996

970-68-23: A 16-week randomized, double-blind, placebo-controlled parallel-group, dose-response multi-center study of Tacrine (CI-970) once-a-day formulation (Tacrine GITS) with a 16-month open-label extension in patients with dementia of the Alzheimer's type. Sub-Investigator - 1996

970-68-23: Open label extension of A 16-week randomized, double-blind, placebo-controlled parallel-group, dose-response multi-center study of Tacrine (CI-970) once-a-day formulation

(Tacrine GITS) with a 16-month open-label extension in patients with dementia of the Alzheimer's type. Sub-Investigator – 1996

Parke-Davis 979-14: A 26-week, randomized, double-blind, placebo-controlled, parallel-group, multi-center with a sustained active phase study of Milameline (CI-979/RU 35926) in patients with probable Alzheimer's disease. Sub-Investigator - 1995

Suloctidil study for Alzheimer's disease, Monsanto, Principal Investigator -1987

Epilepsy

A phase 3, multicenter, randomized, double-blind, placebo-controlled, parallel-group study to evaluate the efficacy and safety of padsevonil as adjunctive treatment of focal-onset seizures in adult subjects with drug-resistant epilepsy. Sub-Investigator – 2019

E2080-A001-301: A Double-Blind, Placebo-Controlled, Parallel-Group Study of Rufinamide Given as Adjunctive Therapy in Patients with Refractory Partial Seizures. Principal Investigator – 2006

3310101018: A multi-center, double-blind, placebo-controlled, randomized, parallel-group trial of Rufinamide as adjunctive therapy in patients with inadequately controlled primary generalized tonic-clonic seizures. Principal Investigator - 1997

M92-813: Tiagabine HCl administration in patients with epilepsy. Sub-Investigator - 1995

Migraine

20297A: Interventional, randomized, double-blind, parallel-group, placebo-controlled, dose-finding trial of Lu AG09222 for the prevention of migraine in participants with unsuccessful prior preventive treatments. Sub-Investigator – 2024

M22-418: A Phase 3 Multicenter 24-Week Open-Label Study to Evaluate the Safety, Tolerability, and Efficacy of Atogepant When Added to OnabotulinumtoxinA (BOTOX) for the Preventive Treatment of Chronic Migraine. Principal Investigator - 2023

Nerivio TCH-008 - A prospective, Randomized, double-blind, sham-controlled multi-center clinical study assessing the safety and efficacy of Nerivio for the preventive treatment of migraine. Sub-Investigator– 2021

A Randomized, Double-Blind, Parallel Group, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy, Safety, and Tolerability of Single Doses of STS101 (Dihydroergotamine Nasal Powder) in the Acute Treatment of Migraine. Principal Investigator – 2019

Premium II- A randomized, multicenter, double blind, parallel, sham controlled study of non-invasive vagus nerve stimulation (NVNS) for the prevention of migraines. Sub-Investigator – 2019

A Parallel Group Double-Blind Randomized Placebo- Controlled Study to Evaluate the Efficacy and Safety of Eptinezumab Administered Intravenously in Subjects Experiencing an Acute Attack of Migraine. Protocol Number ALD403-CLIN-015. Sub-Investigator – 2019

CGP-MD-0: A phase 2/3, multicenter, randomized, double-blind, placebo controlled, parallel-group study to evaluate the efficacy, safety, and tolerability of multiple dosing regimes of oral AGN-241689 in episodic migraine prevention. Sub-Investigator – 2017

ALD403-CLIN-011: A Parallel Group, Double-Blind, Randomized, Placebo Controlled Phase 3 Trial to Evaluate the Efficacy and Safety of ALD403 Administered Intravenously in Patients with Chronic Migraine. Sub-Investigator – 2016

UBR-MD-04 A Multicenter, Randomized, Open-Label, Extension Study To Evaluate the Long Term Safety, and Tolerability of Oral Ubrogepant in the Acute Treatment of Migraine With or Without Aura. Sub-Investigator – 2016

UBR-MD-01 A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Single Attack Study to Evaluate the Efficacy, Safety, and Tolerability of Oral Ubrogepant in the Acute Treatment of Migraine. Sub-Investigator – 2016

A Multicenter, Randomized, Double-blind, Placebo-controlled Study Evaluating the Efficacy and Safety of MLD10 in the Prevention of Migraine Headache in Adults. Protocol NO: MLD10-002. Sub-investigator - 2015

Labrys: A multicenter, randomized, double-blind, double-dummy, placebo-controlled, parallel group, multi-dose study comparing the efficacy and safety of subcutaneous LBR-101 with placebo for the preventive treatment of chronic migraine. Sub-Investigator - 2014

Forward: A Multicenter, Prospective, Randomized, Open-label Study to Compare the Efficacy, Safety, and Tolerability of BOTOX® and Topiramate for Headache Prophylaxis in Adults with Chronic Migraine. Sub-Investigator - 2014

Evidera: A prospective, observational study for the psychometric evaluation of a novel migraine-related functional impact instrument in episodic and chronic migraine. Sub-Investigator – 2014

Electrocore: Non-invasive Neurostimulation of the vagus nerve with the GammaCore device for the treatment of cluster headache. Sub-Investigator – 2013

Botox Adolescent: BOTOX (Botulinum Toxin Type A) Purified neurotoxin complex as headache prophylaxis in adolescents (Children 12 to < 18 years of age) with chronic migraine. Sub-Investigator – 2012

COMPEL: An open-label, multicenter study of the long-term efficacy, safety, and tolerability of BOTOX for the prophylaxis of headaches in adult patients with chronic migraine. Sub-Investigator - 2012

0462-082-00. A Worldwide, Randomized, Double Blind, Placebo-Controlled, Parallel Group Clinical Trial to Evaluate the Safety and Efficacy of Rizatriptan for the Acute Treatment of Migraine in Children and Adolescents. Sub-Investigator - 2010

BTX0805: Safety and Efficacy of Botulinum Neurotoxin Type A in the Treatment of Forward Head Posture with Associated Chronic Tension Type Headache using a Novel Fixed sit Injection Paradigm. – 2009

NXN-188-203: A Phase 2 Study of the Safety and Effectiveness of a Single Oral Dose of NXN 188 for the Treatment of Moderate to Severe Migraine Headache with Aura. Sub-Investigator – 2009

NXN-188-204: A Phase 2 Study of the Safety and Effectiveness of a Single Oral Dose of NXN 188 for the Treatment of Moderate to Severe Migraine Headache without Aura. Sub-Investigator – 2009

NL-2006-001: A Phase III, Randomized, Double-Blind, Parallel Group, Sham-Controlled Study Evaluating the Efficacy and Safety of Non-Invasive Non-Repetitive Transcranial TMS Stimulation

(TMS) For the Acute Preventive Treatment of the Aura Phase of Migraine Headache. Principal Investigator - 2007

TON/03/07-CLIN: A Multi-Centre, Parallel Group, Double-Blind, Placebo Controlled, Dose Ranging Study of the Efficacy and Tolerability of Tonabersat in the Prophylaxis of Migraine Headache and Open Label Extension. Principal Investigator - 2007

TRX103632/635: A Randomized, Double-Blind, Multi-Center, Placebo Controlled, Cross-Over Study to Determine the Consistency of Response for TREXIMA (Sumatriptan 85mg/Naproxen Sodium 500mg) in the Acute Treatment of Multiple Migraine Attacks. Principal Investigator -2006

TRX106573: A Randomized, Double-Blind, Multi-Center, Placebo-Controlled, Cross-Over Study of Trexima® in Migraine Subjects Who Report Poor Response or Intolerance to Relpax®. Sub-Investigator - 2006

VML251-3MRM/02: A double-blind, placebo-controlled, parallel group study, with an open-label extension phase, to assess the efficacy, tolerability, and safety of oral frovatriptan in the prevention of menstrual related migraine (MRM) headaches in a “difficult to treat” population. Sub-Investigator – 2005

E2007-A001-210- “A Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Parallel-Group Study to Evaluate the Efficacy and Safety of E2007 in Migraine Prophylaxis. Principal Investigator - 2005

A Single-Center, Double-Blind Comparison of Botox and Topiramate for the Prophylactic Treatment of Chronic Migraine Headache. Sub-Investigator – 2005

1602: A Multi-Center, Randomized, Single-Blind, Controlled Study to Obtain Preliminary Safety and Efficacy Data for ONS Treatment of Chronic Migraine Headache. Sub-Investigator - 2005

A Single-Center, Double-Blind Comparison of BOTOX® (Botulinum Toxin Type A) and DEPAKOTE® for the Prophylactic Treatment of Migraine Headaches- Pilot Study. Sub-Investigator - 2004

MT400-303: An Open-label, Repeat Dose Study of the Safety of Combo Formulation in the Treatment of Multiple Episodes of Acute Migraine Over 12 Months. Principal Investigator - 2004

065-00- (Maxalt). A Multicenter, Double-Blind, Randomized, Parallel, Placebo-Controlled Study to Examine the Efficacy of Rizatriptan 10-mg Tablet Administered Early During a Migraine Attack While the Pain is Mild. Principal-Investigator - 2004

MT400-301 (POZEN) A Double-Blind, Multicenter, Randomized, Placebo-Controlled Single Dose Study To Evaluate The Safety And Efficacy Of Trexima In The Acute Treatment Of Migraine Headaches. Principal-Investigator - 2004

CL1776-005 – A Phase 2 Safety and Efficacy Study of NPS 1776 for the Acute Treatment of Migraine Headaches. Principal Investigator – 2004

001 – A Randomized, Evaluator-Masked Trial to Evaluate the Efficacy of Botox Compared with Depakote in Migraine Prevention. Sub Investigator – 2004

3420AG1 – Program to Assess Treatment Strategies: A Botox Observational Program. Principal Investigator – 2003

MT300-401- A Multi-center Randomized, Single-Blind, Evaluation of Three Injectable Anti-Migraine Drugs. Sub-Investigator - 2003

VML251/00/02 – A Double-Blind, Placebo-Controlled, Three-Way Crossover clinical Study to Assess the Safety and Efficacy of Two Dose Regimens of Frovatriptan, Compared with Placebo, in Preventing Menstrually Associated Migraine (MAM) Headaches. Sub-Investigator – 2002

311CUS/0022: A Multi-center, Randomized, Placebo-Controlled, Double-Blind, Parallel-Group Trial to Evaluate Early Efficacy and Tolerability of Zolmitriptan (Zomig) Nasal Spray in the Acute Treatment of Adult Subjects with Migraine. Sub-Investigator - 2002

E2020-A001-211: A 20-week Multi-center, Randomized, Double-Blind, Placebo-Controlled, Preliminary Study to Evaluate The Efficacy and Safety of Two Fixed Doses (5mg and 10 mg) of Donepezil Hydrochloride (E2020) in Migraine Prophylaxis. Sub-Investigator - 2002

SUM40299 “A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Efficacy and Tolerability of Oral Sumatriptan 25mg, 50mg, and 100mg tablets for a Single Moderate or Severe Headache in Adults Diagnosed with Migrainous Disorder (HIS 1.7) .Sub-Investigator –2002

MT 300-302 – A Randomized-Double-Blind, Placebo Controlled Evaluation of the Safety and Efficacy of MT 300 in the Acute Treatment of Migraine. Sub-Investigator - 2002

CAPSS-155: A Comparison of the Efficacy and Safety of Topamax® (Topiramate) Tablets Versus Placebo for the Prophylaxis of Migraine. Sub-Investigator 2001

MT100-308 – A Double Blind, Placebo-Controlled, Study to Evaluate the Safety and Efficacy of MT 100 Versus Over-Encapsulated Sumatriptan in Subjects with Acute Migraine Attacks. – Sub-Investigator – 2001

MT100-402 – A Double Blind, Randomized Placebo-Controlled, Study to Evaluate the Safety and Efficacy of MT 100 for the Treatment of Migraine in Subjects Who Are Intolerant to 5-HT Agonists or Have Cardiovascular Risk Factors. – Sub-Investigator – 2001

MT100-401A – A Double Blind, Randomized, Placebo-Controlled Study to Evaluate the Safety and Efficacy of a Two Tablet Dose of MT 100 for Treatment of Migraine in Imitrex® Non-responders. – Sub-Investigator – 2001.

SUM40298 – A Randomized, Double-Blind, Placebo-Controlled, Single Attack, Parallel-Group Evaluation of the Efficacy of Sumatriptan 50mg Tablets versus Placebo in the Treatment of Self-Described and/or Physician-Diagnosed Sinus Headaches that Meet International Headache Society (HIS) Criteria for Migraine Headache. Sub-Investigator - 2001

191622-037-01: A Multi-center, Double-Blind, Randomized, Placebo-Controlled, Parallel Group Study of BOTOX® (Botulinum Toxin Type A) Purified Neurotoxin Complex of the Prophylactic Treatment of Migraine Headaches in the Episodic Migraine Population. Sub-Investigator - 2000

191622-038: A Multi-center, Randomized, Placebo-Controlled, Parallel Group Study of BOTOX® (Botulinum Toxin Type A) Purified Neurotoxin Complex for the Prophylactic Treatment of Headaches in the Chronic Headache Population. Sub-Investigator – 2000

191622-024-00: A Multi-center, Double-Blind, Randomized, Placebo-Controlled, Parallel Group Study of the Safety and Efficacy of three dosages of BOTOX® (Botulinum Toxin, Type A) Purified Neurotoxin Complex for the Prophylactic Treatment of Migraine Headaches. Sub-Investigator - 2000

A1601022: A Multi-center Trial to Evaluate the Efficacy, Tolerability and Subject Satisfaction with Eletriptan in the Treatment of Migraine Headache Attacks in Neurology Practices. Sub-Investigator – 2000

1042-0117.12: A Double-Blind, Parallel, Placebo-Controlled, Single-Dose, Outpatient Study of Ganaxolone for the Treatment of Migraine With or Without an Aura. Sub-Investigator - 1998

311C90 - A Double Blind, Randomized Comparison of Zolmatriptan and Sumatriptan in the Acute Treatment of Multiple Migraine Headaches. Sub-Investigator - 1997

VML251/90/06 - A Double Blind, Placebo Controlled, Parallel Group Study to Assess the Efficiency and Safety of a Single Dose of VML251 (2.5mg) in the Acute Treatment of Migraine. Sub-Investigator -1997

LY303870 - Dose Comparison of LY303870 in the Long Term Prophylaxis of Migraine. Sub-Investigator - 1997

VML 251/96/07: A double-blind placebo-controlled, parallel-group study to assess the efficacy and safety of up to two doses of VML251 in the acute treatment of migraine.(Vanguard) Sub-Investigator - 1997

ALN-USA-18: Open evaluation of the long-term efficacy, safety, and tolerability of 1.4 mg SC Alniditan in the acute treatment of migraine attacks. Sub-Investigator - 1996

SUMA4015: A randomized, double-blind, placebo-controlled study to evaluate the impact of sumatriptan injection on workplace productivity loss due to migraine (Imitrex). Sub-Investigator -1996

CN115-0038—22: An open label long-term trial evaluating the safety of BMS-180048 150mg in the treatment of patients with migraine headache with or without aura. Sub-Investigator - 1996.

ALN-INT-16: The efficacy and safety of Alniditan (1.4 or 1.8 mg SC) vs. Sumatriptan (6 mg SC) in the acute treatment of migraine: A randomized, double-blind, placebo-controlled, single-dose trial. Sub-Investigator -1996

CN102-021 - A Randomized, Double-Blind Trial Comparing the Safety and Efficacy of Butorphanol Tartrate Nasal Spray Versus Acetaminophen and Codeine Phosphate Capsules Versus Placebo in Patients with Acute Migraine Headache Pain. Sub-Investigator - 1996

SUMA 4014 - A Double-Blind, Placebo-Controlled Parallel Group Study to Evaluate the Efficacy of a Second Sumatriptan Succinate Tablet (25 or 50 mg.) In the Acute Treatment of Migraine. Sub-Investigator -1996

CN115-038-031 - “An Open Label Long-Term Trial Evaluating the Safety of BMS-180048 150 mg in the Treatment of Patients with Migraine Headache With or Without Aura.” – 1996

S2b-350: Imitrex (Sumatriptan Succinate) injection, post-marketing surveillance study. Sub-Investigator - 1995

S2WA3003: A randomized, double-blind, placebo-controlled, crossover study to evaluate the safety and efficacy of oral Naratriptan in the acute treatment of four migraine attacks. Sub-Investigator - 1995

S2WA 3001 - A Randomized, Double-Blind, Placebo-Controlled, Dose Ranging Study to Evaluate the Efficacy and Safety of Four Doses of Oral Naratriptan in the Acute Treatment of a Single Migraine Attack. Sub-Investigator - 1995

S2WA 1007 - A Study to Evaluate the Pharmacokinetics and Pharmacodynamics of Oral Naratriptan in Migraine Subjects. Sub-Investigator -1995

M/3275/0008: Oral Almotriptan (LAS31416) vs. Oral Sumatriptan in a double Blind, Randomized, Parallel Group Study of Cost-Effectiveness and Quality of life in Migraine. Sub-Investigator -1988

M/3275/0011: A long-term open label safety study of Almotriptan 12.5 mg orally in migraine patients.” Sub-Investigator - 1988

Multiple Sclerosis

Sanofi EFC17504: A randomized, double-blind, Phase 3 study comparing efficacy and safety of frexalimab (SAR441344) to placebo in adult participants with nonrelapsing secondary progressive multiple sclerosis. Principal Investigator - 2024

Sanofi EFC17919: Master protocol of two independent, randomized, double-blind, Phase 3 studies comparing efficacy and safety of frexalimab (SAR441344) to teriflunomide in adult participants with relapsing forms of multiple sclerosis. Principal Investigator – 2024

GN41791: a phase III multicenter, randomized, double-blind, double-dummy, parallel-group study to evaluate the efficacy and safety of fenebrutinib compared with ocrelizumab in adult patients with primary progressive multiple sclerosis. Principal Investigator – 2022

GN41851. A phase III multicenter, randomized, double blind, double-dummy, parallel-group study to evaluate the efficacy and safety of Fenebrutinib compared with Teriflunomide in adult patients with relapsing Multiple Sclerosis. Principal Investigator- 2020

BN42082: A phase IIIB multicenter, randomized double blind, controlled study to evaluate the efficacy, safety, and pharmacokinetics of a higher dose of Ocrelizumab in adults with relapsing multiple sclerosis. Principal Investigator - 2019

ADAMAS ADS-AMTMS301– A 3-arm multicenter double blind placebo controlled randomized study to assess the efficacy and safety of ADS-5102 Amantadine extended release capsules in MS patients with walking impairment, ADS-AMT-MS301. Principal Investigator – 2018

ABBVIE M14-397 – MS Safety and Efficacy study of Elezanumab (ABT-555) in Progressive Forms of MS. Principal Investigator – 2018

ABBVIE M18-918 – MS Safety and Efficacy study of Elezanumab (ABT-555) in Relapsing Forms of MS. Principal Investigator – 2018

Actelion AC-058B303: Multicenter, non-comparative extension to study AC-058B301, to investigate the long-term safety, tolerability, and control of disease of ponesimod 20mg in subjects with relapsing multiple sclerosis: Principal Investigator – 2017

TG1101-RMS301: Phase III: UbLiTuximab In Multiple Sclerosis Treatment Effects (ULTIMATE I Study). Principal Investigator – 2017

CHORDS MN30035: An Open-Label Study To Evaluate The Effectiveness And Safety Of Ocrelizumab in Patients with Relapsing Remitting multiple Sclerosis Who Have Had A Suboptimal Response To An Adequate Course Of Disease-Modifying Treatment. Principal Investigator – 2016

A multicenter, open-label phase IV study to evaluate whether a Medication Event Monitoring System (MEMS®) can improve adherence to Tecfidera® (delayed-release dimethyl fumarate) treatment in multiple sclerosis patients. Principal Investigator – 2015

Actelion: Multicenter, randomized, double-blind, double-dummy, parallel-group, active-controlled, superiority study to compare the efficacy and safety of ponesimod to teriflunomide (Aubagio) in subjects with relapsing multiple sclerosis. Principal Investigator – 2015

A multicenter, open-label phase IV study to evaluate whether a Medication Event Monitoring System (MEMS®) can improve adherence to Tecfidera® (delayed-release dimethyl fumarate) treatment in multiple sclerosis patients. Principal Investigator – 2015

Novartis Passage: Long-term, prospective, multinational, parallel-cohort study monitoring safety in patients with MS newly started on fingolimod once daily or treated with another approved disease-modifying therapy.

Principal Investigator - 2015

GMA-NDO-112: Bladder management in patients with multiple sclerosis: Optimizing practice patterns. Principal Investigator - 2013

CBAF312A2304: A multicenter, randomized, double-blind, parallel-group, placebo-controlled variable treatment duration study evaluating the efficacy and safety of Siponimod (BAF312) in patients with secondary progressive multiple sclerosis. Principal Investigator - 2013

GLACIER GA-MS-303: An Open-Label, Randomized, Multi-Center, Parallel-Arm Study to Assess the Safety and Tolerability of Glatiramer Acetate 40mg/ml Three Times a Week Compared to 20mg/mL Daily Subcutaneous Injections in Subjects with Relapsing-Remitting Multiple Sclerosis. Principal Investigator - 2013

RebiSmart Human Factors: A three-arm, multicenter trial to perform human factors testing of the investigational RebiSmart electronic auto-injector device including simulated injections in subjects with relapsing multiple sclerosis (RMS), caregivers, and nurses. Principal Investigator – 2012

FTY Prefer: A 12-month, Prospective, Randomized, active-controlled, open label study to evaluate the patient retention of Fingolimod vs. approved first-line disease modifying therapies in adults who are in early stages of treatment for Relapsing Remitting multiple sclerosis. Principal Investigator – 2012

Novartis Assess FTY (2312) Fingolimod vs. Glatiramer Acetate A 12-month, randomized, rater and dose-blinded study to compare the efficacy and safety of fingolimod 0.25mg and 0.5mg

administered orally once daily with glatiramer acetate 20mg administered subcutaneously once daily in patients with relapsing-remitting multiple sclerosis. Principal Investigator – 2012

RebiDose Human Factors. A three-arm multicenter trial to preform human factors testing of the investigational RebiDose ready to use single use auto injector device including simulated injections in subjects with relapsing multiple sclerosis (RMS), caregivers, and nurses. Principal Investigator – 2011

CFTY720D2399 UMBRELLA: A Single arm, open-label, multicenter study evaluating the long-term safety and tolerability of 0.5mg fingolimod (FTY720) administered orally once daily in patients with relapsing forms of multiple sclerosis (LONGTERMS) Principal Investigator – 2011

101MS325: A Multicenter, Randomized, Rater-Blinded, Parallel-Group, Active-Controlled Study to Evaluate the Benefits of Switching Therapy (Glatiramer Acetate or Interferon β -1a) to Natalizumab in Subjects with Relapsing-Remitting Multiple Sclerosis. Principal Investigator – 2010

CFTY720DUS01: A 6-month, Randomized, Active Comparator, Open-label, Multi- Center Study to Evaluate Patient Outcomes, Safety and Tolerability of Fingolimod 0.5 mg/day in Patients with

Relapsing Forms of Multiple Sclerosis who are candidates for MS therapy change from Previous Disease Modifying Therapy (EPOC). Principal Investigator - 2010

EFC6058: A Multi- Center Double-Blind Parallel-Group Placebo-Controlled Study of the Efficacy and Safety of Teriflunomide in Patients with Relapsing Multiple Sclerosis who are Treated with Interferon-Beta. Principal Investigator – 2010

DRI 10566: A 14-Week, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study to Evaluate the Efficacy, Safety, and Tolerability of Nerispiridine 50 mg, 100mg, and 200 mg in Patients with Multiple Sclerosis. Principal Investigator – 2009

H9B-MC-BCDJ: (a) -Multiple Subcutaneous Doses of LY2127399, an Anti-BAFF Human Antibody, in Subjects with Relapsing-Remitting Multiple Sclerosis. Principal Investigator – 2009

Nerispiridine (HP184): Clinical Trial - ACT10573: A double-blind, placebo-controlled, randomized crossover, activity study of oral doses of 50 mg and 400 mg nerispiridine on visual function in patients with multiple sclerosis, IND # 61,494. Principal Investigator – 2009

29652: A 12-week, Phase IIIb, Open-Label, Single-Arm, Multicenter Trial to Evaluate Ease of use of an Electronic Auto injector (RebiSmart™) for Self-Injection in Subjects with Relapsing Multiple Sclerosis (RMS) treated with Rebif® 44mcg Subcutaneously three times a week. Principal Investigator - 2009

ACT 10573: A Double Blind, Placebo-Controlled, Randomized Crossover, Activity Study of Single Oral Doses of 50 mg and 400 mg Nerispiridine on Visual Function in Patients with Multiple Sclerosis. Principal Investigator – 2008

CFTY720D2302. A 12-Month Double-Blind, Randomized, Multi-Center, Active-Controlled Parallel-Group Study Comparing the Efficacy and Safety of 0.5 mg and 1.25 mg Fingolimod (FTY720) Administered Orally Once Daily

Versus Interferon β 1a (Avonex $\text{\textcircled{R}}$) Administered I.M. Once Weekly in Patients with Relapsing-Remitting Multiple Sclerosis. Sub-Investigator - 2007

MPB8298-SP-03. A Double-Blind, Placebo Controlled Multi-Center Study to Evaluate the Efficacy and Safety of MBP8298 in Subjects with Secondary Progressive Multiple Sclerosis. Principal Investigator - 2007

A 24-month double-blind, randomized, multicenter, placebo-controlled, parallel-group study comparing the efficacy and safety of 0.5 mg and 1.25 mg fingolimod (FTY720) administered orally once daily versus placebo in patients with relapsing-remitting multiple sclerosis with optional extension phase Protocol No.: CFTY720D2309 Extension to CFTY720D2309 (A 24-month double-blind, randomized, multicenter, placebo-controlled, parallel-group study comparing the efficacy and safety of 0.5mg and 1.25mg fingolimod (FTY720) administered orally once daily versus placebo in patients with relapsing-remitting multiple sclerosis. Sub-Investigator - 2006

28821. A Phase III, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Clinical Trial of Oral Cladribine in Subjects with a First Clinical Event at High Risk of Converting to MS. Principal Investigator – 2006

9006- (TEVA). A Multi-Center, Randomized, Double-Blind, Parallel Group Study to Evaluate the Efficacy, Tolerability, and Safety of 40mg of Copaxone in the Treatment of Relapsing-Remitting Multiple Sclerosis Patients. Sub-Investigator - 2004

CAMMS223-A1, A Phase II, Randomized, Open-Label, Three-Arm Study Comparing Low- and High-Dose Rebif in Patients with Early, Active Relapsing-Remitting Multiple Sclerosis. Sub-Investigator - 2003

6002i -Phase II Study of Hu23F2G in Acute Exacerbation of Multiple Sclerosis. Principal Investigator - 1997

BL01-3112 -Phase III, Double-Masked, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Two Doses of Betaseron in Patients with Secondary-Progressive Multiple Sclerosis. Principal Investigator - 1996

Copolymer I Protocol 01-9002 - A Long-Term Open Label Study to Evaluate the Safety of Copolymer I and to Extend Its Availability to Patients with Relapsing-Remitting Multiple Sclerosis. Principal Investigator- 1994

Myasthenia Gravis

NMD670-02-0002: A Phase 2b, Randomised, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Safety, and Tolerability of 3 Dose Levels of NMD670 over 21 Days in Adult Patients with AChR/MuSK-Ab+ Myasthenia Gravis. Sub-Investigator - 2024

ARGX-113-2002 A Long-Term, Single-Arm, Open-label, Multicenter Phase 3 Study to Evaluate the Safety and Tolerability of Multiple Subcutaneous Injections of Efgartigimod PH20 SC in Patients With Generalized Myasthenia Gravis. Sub-Investigator 2021

ARGX-113-2003 A Phase 3b, Randomized, Open-label, Parallel-Group Study to Evaluate Different Dosing Regimens of Intravenous Efgartigimod to Maximize and Maintain Clinical Benefit in Patients With Generalized Myasthenia Gravis. Sub-Investigator 2021

IMVT-1401-3101 A Phase 3, Multi-center, Randomized, Quadruple-blind, Placebo-controlled Study to Assess the Efficacy and Safety of Batoclimab as Induction and Maintenance Therapy in Adult Participants with Generalized Myasthenia Gravis (gMG)- Sub Investigator 2021

MG-001 Autologous T-cells expressing a chimeric antigen receptor directed to B-cell maturation antigen (BCMA) in patients with generalized myasthenia gravis (MG) Sub-Investigator - 2021

ARGX-113-2001 A Phase 3, Randomized, Open-Label, Parallel-Group Study to Compare the Pharmacodynamics, Pharmacokinetics, Efficacy, Safety, Tolerability, and Immunogenicity of Multiple Subcutaneous Injections of Efgartigimod PH20 SC With Multiple Intravenous Infusions of Efgartigimod in Patients With Generalized Myasthenia Gravis. Sub-Investigator 2021

RVT-1401-2002. A Phase 2a, Multicenter, Randomized, Double Blind, Placebo-Controlled Study with an Open-Label Extension of RVT-1401 in Myasthenia Gravis Patients. Sub-Investigator – 2020

ARGX-113-1705. A Long-Term, Single-Arm, Open-Label, Multicenter, Phase 3 Follow-on Trial of ARGX-113-1704 to Evaluate the Safety and Tolerability of ARGX-113 in Patients with Myasthenia Gravis having Generalized Muscle Weakness. Sub-Investigator – 2020

ARGX-113-1704. A Randomized, Double Blind, Placebo-Controlled, Multicenter Phase 3 Trial to Evaluate the Efficacy, Safety and Tolerability of ARGX-113 in Patients with Myasthenia Gravis Having Generalized Muscle Weakness. Sub-Investigator – 2019

RA101495-02.201: A Phase 2, Multicenter, Randomized, Double Blind, Placebo-Controlled Study to Evaluate the Safety, Tolerability, and Preliminary Efficacy of RA101495 in Subjects with Generalized Myasthenia Gravis. Principal Investigator - 2017

A Phase 2, Multicenter, Randomized, Double-Blind. Placebo-Controlled Study to evaluate the Safety, Tolerability, and Preliminary Efficacy of RA101495 in Subjects with Generalized Myasthenia Gravis. Principal Investigator – 2017

Parkinson's Disease

A multicenter, randomized, active-controlled, double-blind, double-dummy, parallel group clinical trial, investigating the efficacy, safety, and tolerability of continuous subcutaneous ND0612 infusion in comparison to oral IR-LD/CD in subjects with Parkinson's disease experiencing motor fluctuations (BouNDless) ND0612-317. Principal Investigator - 2020

An open-label, two part, multicenter study to assess the safety and efficacy of levodopa-carbidopa intestinal gel (LCIG) for the treatment of Non-Motor symptoms in subjects with advanced Parkinson's disease (M12-920), Sub-Investigator – 2013

S187.3.002: A Randomized, Double-Blind, Double-Dummy, Efficacy, Safety and Tolerability Study of Levodopa-Carbidopa Intestinal Gel in Levodopa-Responsive Parkinson's Subjects Receiving Optimized Treatments with Parkinson Medicinal Products, who Continue to Experience Persistent Motor Fluctuations. Sub-Investigator – 2010

S187.3.003: Open-Label, 12-Month Safety and Efficacy Study of Levodopa – Carbidopa Intestinal Gel in Levodopa-Responsive Parkinson's Disease Subjects. Sub-Investigator – 2010

S187.3.004: An Open-Label, 12-Month Safety and Efficacy Study of Levodopa – Carbidopa Intestinal Gel in Levodopa-Responsive Subjects with Advanced Parkinson's Disease and Severe Motor-Fluctuations Despite Optimized Treatment with Available Parkinson's Disease Medications. Sub-Investigator – 2010

S187.3.005: Open-Label Continuation Treatment Study With Levodopa – Carbidopa Intestinal Gel In Subjects With Advanced Parkinson's Disease And Severe Motor-Fluctuation Who Have Exhibited A Persistent And Positive Effect To Treatment in Previous Studies. Sub-Investigator – 2010

Droxidopa NOH306: A Multicenter, Double-Blind, Randomized, Parallel-Group, Placebo-Controlled Study to Assess the Clinical Effect of Droxidopa in the Treatment of Symptomatic Neurogenic Orthostatic Hypotension in Patients with Parkinson's Disease Sub-Investigator – 2010

S308-3-008: An extension of SLV308, a multicenter, randomized double-blind, parallel-group placebo and pramipexole controlled study to assess efficacy and safety of monotherapy in the treatment of patients with early stage Parkinson's disease. Sub-Investigator - 2007

1198.100 NS2330: A Fourteen-Week Placebo-Controlled Dose-Response Efficacy and Safety Study of NS 2330 in Early Parkinson's Disease Patients (Study for Proof of Concept in Early Parkinson's Disease of a Triple Reuptake Inhibitor, NS2330 / SCEPTRE). Sub-Investigator - 2006

S308-3-003: A Multi-Center, Randomized, Double-Blind, Parallel-Group Placebo and Pramipexole Controlled Study to Assess Efficacy and Safety of SLV-308 Monotherapy in the Treatment of Patients with Early Stage Parkinson's Disease. Sub-Investigator - 2006

M/2760/0011: PNU-95666E: Open-Label, Long Term, Flexible Dose Study of Safety, Tolerability and Therapeutic Response in Patients with Parkinson's Disease. Sub-Investigator – 2003

DA2APD-0075-031: A Phase III, Double-blind, Fixed Dose Response Study Comparing the Efficacy and Safety of Sumanrole vs. Placebo in Patients with Early Parkinson's Disease. Sub-Investigator – 2003

666E-CNS-0075-021: A Phase III, Double-Blind, Placebo-Controlled, Randomized Study Comparing the Efficacy, Safety, and Tolerability of Sumanrole Versus Placebo or Ropinirole in Patients with Early Parkinson's Disease. Sub-Investigator - 2002

RP54274X-320: A Phase III Multi-center, Double-Blind, Parallel-Group, Placebo Controlled Study of the Effect of Riluzole 50 mg BID or 100 mg BID for Two Years on the Progression of Parkinson's Disease in 1050 Patients. Sub-Investigator - 2001

RP54274X-321: A Phase III Multi-center, Double Blind, Parallel-Group Placebo Controlled Study of the Effect of Riluzole 50 mg BID or 100 mg BID on the Progression of Parkinson's Disease in Patients Treated With L-DOPA or Dopamine Agonist. Sub-Investigator - 2001

Z/SEL/95/008 EXTENSION – An open, multi-center parallel group continuation study to assess the safety of 1.25mg qd and 10mg qd Zydys Selegiline in the control of symptoms of Parkinson's disease in patients stabilized on a regimen including Selegiline. Sub-Investigator -1998

NR15440/M35016 : Non-comparative Open Label Study to Identify Tasmar Dosage Regimen in Non-Fluctuating Parkinson's Disease Patients Treated with Sinemet; with Follow-Up Extension of Tasmar. Sub-Investigator - 1997

HL18317: An open, randomized, multi-center study to assess the efficacy and safety of 1.25mg O.D. and 5 mg B.D. (or 10mg O.D.) Zydys Selegiline in the control of symptoms of Parkinson's Disease in patients stabilized in a regimen including Selegiline. Sub-Investigator- 1996

Pain

A1A20004. A Multi-center, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study to Evaluate the Efficacy and Tolerability of a 14 Day Treatment Course of GW493838 50mg Compared to Placebo in Subjects with Peripheral Neuropathic Pain. Sub-Investigator - 2002

49,774-013. Morphine with Dextromethorphan: double-blind crossover comparison of morphine with dextromethorphan and morphine in chronic pain. Sub-Investigator – 1997

BOTOX 144-8051. A multi-center, double-blind, placebo-controlled, parallel, graduated-dose clinical trial of Botox (botulinum toxin type A) purified neurotoxin complex for the treatment of chronic low back muscle spasm. Sub-Investigator – 1996

Stroke

M23-499: Study to Evaluate Safety, Efficacy, and Tolerability of ABBV-950 for the Treatment of Upper Limb Spasticity in Adult Post-Stroke Patients. Sub-Investigator – 2023

TF-TF0023-21: A phase 2, Multicenter, Randomized, Double-Blind (Within Dose), Placebo-Controlled, Parallel-Group, Dose-Range Finding Study to Evaluate the Efficacy and Safety of TF0023 Spray Versus Placebo in Functional Improvement of Patients with Ischemic Strokes. Principal Investigator – 2018

DALF-PS-1016: A double-blind, placebo-controlled, parallel-group study to evaluate the efficacy and safety of two dose strengths of Dalfampridine extended release tablets for treatment of stable walking deficits in Post-Ischemic Stroke (MILESTONE). Principal Investigator – 2015

DALF-PS-1029: An Extension Study to Evaluate the Long-Term Safety, Tolerability and Efficacy of Dalfampridine Extended-Release Tablets for the Treatment of Chronic Post-Ischemic Stroke Walking Deficits in Subjects Who Participated in the DALF-PS-1016 Study (MILESTONE). Principal Investigator – 2015

SB-STR02: A Double-Blind, Controlled Phase 2B Study of the Safety and Efficacy of Modified Stem Cells (SB623) in Patients with Chronic Motor Deficit from Ischemic Stroke. Principal Investigator – 2015

A Randomized, Double-Blind, Multinational Study to Prevent Major vascular Events with Ticagrelor Compared to Aspirin (ASA) in Patients with Acute Ischemic Stroke or TIA

[SOCRATES –Acute Stroke Or Transient Ischemic Attack Treated with Aspirin or Ticagrelor and Patient Outcomes. Principal Investigator – 2015

Randomized, double-blind, Evaluation in secondary stroke prevention comparing the efficacy and safety of the oral Thrombin inhibitor dabigatran etexilate (110 mg or 150mg, oral b.i.d.) versus acetylsalicylic acid (100 mg oral q.d.) in patients with Embolic Stroke of Undetermined Source (RESPECT ESUS). Principal Investigator – 2015

NTS-INT08-009: A double-blind, randomized, sham-controlled, parallel group, multicenter, pivotal study to assess the safety and efficacy of transcranial laser therapy with the NeuroThera® Laser System for the treatment of acute ischemic stroke within 24 hours of stroke onset. Sub-Investigator – 2010

01373: A double blind, randomized, placebo-controlled, parallel group, multicenter Phase 3 pivotal study to assess the safety and efficacy of 1mg/kg/day intravenous DP-b99 over 4 consecutive days versus placebo when initiated within nine hours of acute ischemic stroke onset. – 2010

P04737: A multicenter, Randomized, Double-Blind, Placebo Controlled Study to Evaluate the Safety and Efficacy of SCH 530348 in Addition to Standard of Care in Subjects with a history of Atherosclerotic Disease: Thrombin Receptor Antagonist in Secondary Prevention of Atherothrombotic Ischemic Events. Sub-Investigator - 2008

NTS-INT06-007: A Double-Blind, Randomized, Controlled, Parallel Group, Multi-Center, Pivotal Study to Assess the Safety and Effectiveness of the Treatment of Acute Ischemic Stroke with the NeuroThera® Laser System within 24 Hours from Stroke Onset. Sub-Investigator - 2007

A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of SCH530348 in Addition to Standard of Care in Subjects with a History of

Atherosclerotic Disease: Thrombin Receptor Antagonist in Secondary Prevention of Atherothrombotic Ischemic Events (TRA 2°P - TIMI 50) P04737-3694. Sub-Investigator - 2007

CD-0125: Safety and Efficacy of NeuroFlo Technology in Ischemic Stroke. Sub-Investigator - 2006

NTI-ASP-0502: A Randomized, Double-Blind, Placebo Controlled Study of Ancrod (Viprinex) in Subjects Beginning Treatment within 6 Hours of the Onset of Acute Ischemic Stroke. Sub-Investigator – 2006

F7ICH-1641: A Randomized, Double-Blind, Placebo Controlled, Multi-Centre, Parallel Groups Confirmatory Efficacy and Safety Trial of Activated Recombinant Factor VII (NovoSeven®/Niasase® in Acute Intracerebral Hemorrhage. Sub-Investigator – 2005

Ptcl-01213 Entitled: A Randomized, Double-blind, Placebo-controlled, Multicenter, Parallel study to evaluate the effects of DP-b99 on Neurologic Function and Disability in subjects with Acute Ischemic Hemispheric Stroke. Sub-Investigator - 2004

SA-NXY-0007: A Double-Blind, Randomized, Placebo Controlled, Parallel Group, Multicenter, Phase IIb/III Study to Assess the Efficacy and Safety of Intravenous NXY-059 in Acute Ischemic Stroke. Sub Investigator – 2004

9.159: PRoFESS – Prevention Regimen for effectively avoiding Second Strokes: A double-blind, active, and placebo-controlled study of Aggrenox vs. clopidogrel, with and without Micardis. – Sub Investigator – 2004

BOTOX vs. ZANAFLEX: Placebo Controlled Trial of BOTOX versus Zanaflex for the Treatment of Subjects with Post- Stroke Upper Limb Spasticity. Principal Investigator – 2003

100282 Bayer Study: A Randomized, Double-Blind, Placebo-Controlled Trial to Evaluate the Efficacy, Safety, Tolerability, and Pharmacokinetic/Pharmacodynamic Effects of a Targeted Exposure of Intravenous Repinotan in Patients with Acute Ischemic Stroke. Sub-Investigator -2003

CHARISMA EFC4505: Clopidogrel for High Atherothrombotic Risk and Ischemic Stabilization, Management and Avoidance (CHARISMA). Sub-Investigator - 2002

EFC7331 - MATCH – Management of Atherothrombosis with Clopidogrel in High-Risk Patients with Recent Transient Ischemic Attack or Ischemic Stroke: A Randomized, Double-Blind Study, with 18 months of Follow-up. Sub Investigator – 2001

SA-CMZ-009. The Clomethiazole Acute Stroke Study in Ischemic Stroke (CLASS-I): A double blind, parallel group, multinational, multicenter study of the efficacy and safety of i.v. Clomethiazole compared to placebo in patients with acute ischemic stroke. Sub-Investigator – 1998

SA-CMZ-0010. The Clomethiazole Acute Stroke Study in acute intracerebral hemorrhage (CLASS-H): A double blind, parallel group, multinational, multicenter study of safety of i.v. Clomethiazole compared to placebo in patients with acute intracerebral hemorrhage. Sub-Investigator -1998

SA-CMZ-0011: The Clomethiazole Acute Stroke Study in t-PA Treated Ischemic Stroke (CLASS-T): A double blind, parallel group, multinational, multicenter study of safety of i.v. Clomethiazole compared to placebo in patients treated with t-PA (tissue plasminogen activator) for acute ischemic stroke. Sub-Investigator – 1998

YM872: A Randomized, Double-Blind, Placebo-Controlled, Sequential Dose-Escalation Study to Evaluate the Safety of YM872 in Patients with Acute Ischemic Stroke. Sub-Investigator- 1998

GAIN-America- Protocol GLYA3002. An International, Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess over 3 Months the Safety, Efficacy and Pharmacoeconomics of an 800mg Loading Dose and Five 200mg Maintenance Doses of GV150526 in the Treatment of Patients with a Clinical Diagnosis of Acute Stroke. Sub-Investigator -1997

03062k1-200-US. A randomized, double-blind, placebo-controlled parallel group multicenter trial of Fibblast®. October 1997

Other

R0000-CV-CES-2216: Prospective Assessment of Hemodynamics, Symptomatology, and Biochemical Markers of NPR1 Signaling in Patients with Postural Orthostatic Tachycardia Syndrome (POTS) and in Patients with Neurogenic Orthostatic Hypotension (nOH). Sub-Investigator - 2024

IMVT-1401-2401: A Phase 2b, Multi-center, Randomized, Quadruple-blind, Placebo-controlled Study of Batoclimab Treatment in Adult Participants with Active Chronic Inflammatory Demyelinating Polyneuropathy (CIDP). Sub Investigator – 2023

IMVT-1401-3201: A Phase 3, Multi-center, Randomized, Quadruple-masked, Placebo-controlled Study of Batoclimab for the Treatment of Participants with Active Thyroid Eye Disease (TED)

Sub Investigator – 2023

Synuclein-One Study – Sub Investigator - 2021

ALXN-1210-NMO-307: A phase 3, external placebo-controlled, open label, multicenter study to evaluate the efficacy and safety of Ravulizumab in adult patients with Neuromyelitis Optica Spectrum Disorder (NMOSD)
Principal Investigator - 2020

ARGX-113-1902. Open-label Extension of the ARGX-113-1802 Trial to Investigate the Long-term Safety, Tolerability, and Efficacy of Efgartigimod PH20 SC in Patients with Chronic Inflammatory Demyelinating Polyneuropathy (CIDP). Sub-Investigator - 2020

ARGX-113-1802. A Phase 2 Trial to Investigate the Efficacy, Safety, and Tolerability of Efgartigimod PH20 SC in Adult Patients with Chronic Inflammatory Demyelinating Polyneuropathy (CIDP). Sub-Investigator – 2020

Protocol 0170: A phase 3, 24 week, multi-center, double-blind, placebo controlled, randomized withdrawal study of TD-9855 in treating symptomatic neurogenic orthostatic hypotension in subjects with primary autonomic failure. Sub-Investigator – 2019

Protocol 0171: A phase 3, 26 week, open-label, safety and tolerability study of TD-9855 in treating symptomatic neurogenic orthostatic hypotension in subjects with primary autonomic failure. Sub-Investigator – 2019

Protocol 0169: A phase 3, 4-week, multi-center, randomized, double-blind, placebo controlled, parallel-group study of TD-9855 in treating symptomatic neurogenic orthostatic hypotension in subjects with autonomic failure. Sub-Investigator – 2019

INSIGHT-AHP: A Study to Characterize the Prevalence of Acute Hepatic Porphyria (AHP) in Patients with Clinical Presentation and History Consistent with AHP. Sub-Investigator - 2018

E2006-G000-304 A multicenter randomized double-blind placebo controlled active comparator parallel group study of the efficacy and safety of Lemborexant in Subjects 55 years and older with Insomnia Disorder. Sub-Investigator – 2016

14-004: A six-week, Double-blind, Placebo-controlled, Randomized, Withdrawal, Multicenter Study of the Safety and Efficacy of JZP-110 [(R)-2-amino-3-phenylpropylcarbamate

hydrochloride] in the Treatment of Excessive Sleepiness in Subjects with Obstructive Sleep Apnea (OSA). Sub-Investigator – 2016

TBI-01: A Double-Blind, Controlled Phase 2 Study of the Safety and Efficacy of Modified Stem Cells (SB623) in Patients with Chronic Motor Deficit from Traumatic Brain Injury (TBI)

Principal Investigator - 2015

ECU-NMO-301: A randomized, double-blind, placebo-controlled, multi-center trial to evaluate the safety and efficacy of eculizumab in patients with relapsing neuromyelitis optica (NMO). Principal Investigator – 2014

Alexion ECU-NMO-302: A Phase III, Open-Label, Extension Trial of ECU-NMO-301 to Evaluate the Safety and Efficacy of Eculizumab in Patients with Relapsing Neuromyelitis Optica (NMO) Principal Investigator - 2014

PrecisionMed: A single or multiple visit protocol for collection of DNA/RNA/SERUM/PLASMA/

CSF in probable multiple system atrophy. Sub-Investigator - 2013

PrecisionMed 4800: A single or multiple visit protocol for collection of DNA/RNA/SERUM/

PLASMA/CSF in Amyotrophic Lateral Sclerosis and related disorders. Sub-Investigator – 2012

BTX0805: Safety and Efficacy of Botulinum Neurotoxin Type A in the Treatment of Forward Head Posture with Associated Chronic Tension Type headache using a novel Fixed site Injection Paradigm. Sub-Investigator – 2009

101468/205: A 12-Week, Double-Blind, Placebo Controlled, Parallel Group Study to Assess the Efficacy and Safety of Ropinirole XR (Extended Release) in Patients with Restless Legs Syndrome. Sub-Investigator – 2005

E2020-A001-412: A One Year, Multicenter, Randomized, Double-Blind, Placebo-Controlled Evaluation of the Efficacy and Safety of Donepezil Hydrochloride (E2020) in Subjects with Mild Cognitive Impairment. Sub-Investigator – 2005

GAL-COG-3002- An Analysis of Mortality in Subjects who participated in Three Studies of Galantamine in Mild Cognitive Impairment. Sub-Investigator - 2004