



2023 Abstracts of Distinction

Distinction is awarded to the top-rated abstract in each topic category. The 27 abstracts below have been selected for the merit of distinction based on the quality of study and interest to the neurologic community.

Aging and Dementia

S26: Experimental Therapeutics in Dementia, Tuesday, April 25, 2:36 PM – 2:48 PM ET

Abstract 3126: TRAILBLAZER-ALZ 4: Topline study results directly comparing donanemab to aducanumab on amyloid lowering in early, symptomatic Alzheimer's disease

Stephen Salloway, Elly Lee, Michelle Papka, Andrew Pain, Ena Our, Margaret Ferguson, Hong Wang, Michael Case, Ming Lu, Emily Collins, Dawn Brooks, John Sims

Autoimmune Neurology

S5: Autoimmune Neurology: NMOSD and MG, A Focus On Treatment Trials, Sunday, April 23, 1:12 PM – 1:24 PM ET

Abstract 2965: Efficacy and safety of ravulizumab in adults with anti-aquaporin-4 antibody-positive neuromyelitis optica spectrum disorder: outcomes from the phase 3 CHAMPION-NMOSD trial

Sean Pittock, Michael Barnett, Jeffrey Bennett, Achim Berthele, Jérôme de Sèze, Michael Levy, Ichiro Nakashima, Celia Oreja Guevara, Jacqueline Palace, Friedemann Paul, Carlo Pozzilli, Kerstin Allen, Yasmin Mashhoon, Marcus Yountz, Ho Jin Kim

Autonomic Disorders

S43: Autonomic Disorders, Wednesday, April 26, 4:54 PM – 5:06 PM ET

Abstract 3757: Hypocapnic Orthostatic Intolerance with (POTS) and without (HYCH) Tachycardia Represent a Spectrum of the Same Disorder

Peter Novak, Sadie Marciano

Behavioral and Cognitive Neurology

S8: Behavioral and Cognitive Neurology, Sunday, April 23, 3:42 PM – 3:54 PM ET

Abstract 1749: Estimated Pulse Wave Velocity Inversely Associates with Cognition in the Northern Manhattan Study

Botagoz Aimagambetova, Taylor Ariko, Hannah Gardener, Bonnie Levin, Xiaoyan Sun, Carolina Gutierrez, Consuelo Mora-McLaughlin, Jose Gutierrez, Mitchell Elkind, Clinton B Wright, Ralph Sacco, Digna Cabral, Tatjana Rundek

Cerebrovascular Disease and Interventional Neurology

S36: Cerebrovascular Disease and Interventional Neurology: Basic and Translational Science

Wednesday, April 26, 2:36 PM – 2:48 PM ET

Abstract 4870: Clinical Characteristics of Cerebral Amyloid Angiopathy and Risk Factors of Cerebral Amyloid Angiopathy Related Intracerebral Hemorrhage

Juanjuan Wu, Zi-Yue Liu, Ming Yao, Yicheng Zhu, Bin Peng, Jun Ni

Child Neurology and Developmental Neurology

PL5: Clinical Trials Plenary Session, Tuesday, April 25, 9:15 AM – 9:30 AM ET

Abstract 2374: Safety and Efficacy of Ataluren in nmDMD Patients from Study 041, a Phase 3, Randomized, Double-Blind, Placebo-Controlled Trial

Craig M. McDonald, Shiwen Wu, Sheffali Gulati, Hirofumi Komaki, Rosa E. Escobar, Anna Kostera-Pruszczyk, Dmitry Vlodavets, Jong-Hee Chae, Yuh-Jyh Jong, Peter Karachunski, Jeffrey Statland, Michelle Lorentzos, Vinay Penematsa, Connie Chou, Min Lin, Christian Werner, Panayiota Trifillis, Gregory Gordon, Karyn Koladicz, Nicholas Mastrandrea, Matthew Klein



Education, Research and Methodology

S10: Utilizing Varied Modalities to Impact Learning and Make Curricular Changes

Sunday, April 23, 4:42 PM – 4:54 PM ET

Abstract 1390: Pilot Implementation and Evaluation of an Outpatient Teleneurology Curriculum for Medical Students
Melissa Ko, Heather Moss, Devin Mackay, Paul Ko, Katherine Chartier, Lindsey Reese, Paul Wallach, Bradley Allen

Epilepsy/Clinical Neurophysiology (EEG)

S35: Epilepsy/Clinical Neurophysiology (EEG): Clinical Epilepsy, Wednesday, April 26, 1:00 PM – 1:12 PM ET

Abstract 4667: Single-Cell RNA and TCR Sequencing Reveals Novel Immune Cell Networks in Poorly Controlled Epilepsy
Rani Sarkis, Hanien Amer, Jason Mares, Ryan Hobson, Vilas Menon, Page Pennell, Wassim Elyaman

General Neurology

S14: General Neurology: Emerging Therapies, Monday, April 24, 1:12 PM – 1:24 PM ET

Abstract 2595: Comparison of Therapeutic Efficacy of Gene Therapy for Tuberous Sclerosis Type 2 with Standard of Care Everolimus in Preclinical Model
Edwina Abou Haidar, Shilpa Prabhakar, Pike See Cheah, Sevda Lule, Roberta L. Beauchamp, Akiko Yoshinaga, Alexandra L. Geffrey, Anat Stemmer-Rachamimov, Vijaya Ramesh, Casey A. Maguire, Xandra O. Breakefield

Global Health

S1: Global Health, Sunday, April 23, 1:00 PM – 1:12 PM ET

Abstract 2441: Impact of a Free Anti-seizure Medication Intervention on Anxiety and Depression in People Living with Epilepsy in the Republic of Guinea
Dylan Rice, Carlos Othon Guelngar, Mohamed Traore, Mohamed Lamine Conde, Djenabou Diallo, Nathanael Lee, Fode Abass Cisse, Farrah Mateen

Headache

S41: Emergent Sciences and Top Headache Research, Wednesday, April 26, 5:18 PM – 5:30 PM ET

Abstract 1497: Ultrasound And Magnetic Resonance Imaging Guided Assessment Of The Optic Nerve Sheath Diameter In Idiopathic Intracranial Hypertension
Nada Elsaid, Tamer Belal, Ahmed Azab

Health Care Disparities

S29: Health Care Disparities, Tuesday, April 25, 3:30 PM – 3:42 PM ET

Abstract 1890: Black Patients with Movement Disorders Less Likely to Receive Treatment with Deep Brain Stimulation
Andrew Dorritie, Mohammad Faysel, Angelika Gruessner, Daphne Robakis

History of Neurology

S18: History of Neurology, Monday, April 24, 3:54 PM – 4:06 PM ET

Abstract 2131: History of the First Women Neurologists and Scientists who Participated in the Development of the American Academy of Neurology
Negin Badhian, Alison Christy, Christopher Boes, Elizabeth Coon

Infectious Disease

S21: Acute and Post-Acute Sequelae of COVID-19, Monday, April 24, 4:30 PM – 4:42 PM ET

Abstract 3696: Serum And Cerebrospinal Fluid Antibody Signatures Track With Outcome Of Neurologic Post-Acute Sequelae Of SARS-Cov-2 Infection (NeuroPASC)
Marianna Spatola, Alessandro Dinoto, Silvia Bozzetti, Vanessa Chiodega, Sergio Ferrari, Sara Mariotto, Galit Alter



Movement Disorders

S42: Movement Disorders: Genetics and Risk Modifiers, Wednesday, April 26, 3:54 PM – 4:06 PM ET

Abstract 3393: Understanding how GBA mutations influence Parkinson's disease progression

Arnav Khera, Sarah Fish, Raja Estes, Selina Yu, Leo Pallanck, Jessica Young, Marie Davis

MS and Inflammatory Disease

S9: MS Biomarkers, Immunology, and Basic Science, Sunday, April 23, 4:30 PM – 4:42 PM ET

Abstract 2937: Genetic Variants in Iron Metabolism impact Disease Progression in MS through HIF1A

Antonino Giordano, Silvia Santoro, Melissa Sorosina, Elisabetta Mascia, Ferdinando Clarelli, Miryam Cannizzaro, Laura Ferrè, Thomas Moridi, Pernilla Stridh, Klementy Shchetynsky, Maria Needhamsen, Fredrik Piehl, Lars Alfredsson, Jan Hillert, Tomas Olsson, Ingrid Kockum, Maja Jagodic, Massimo Filippi, Federica Esposito

Neuro Trauma and Sports Neurology

S28: Neuro Trauma and Sports Neurology, Tuesday, April 25, 3:30 PM – 3:42 PM ET

Abstract 1941: Macromolecular Dexamethasone Prodrug Ameliorates Neuroinflammation and Prevents Bone Loss Associated with Traumatic Brain Injury

Xei Wei, Zhao Gang, Jia Zhenshan, Zhao Zhifeng, Chen Ningrong, Sun Yuanyuan, Matthew Kelso, Geetanjali Rathore, Dong Wang

Neurocritical Care

S4: Neurocritical Care, Sunday, April 23, 1:24 PM – 1:36 PM ET

Abstract 3775: Predictors of Better Shared Decision Making in Goals-Of-Care Clinician-Family Meetings for Critically Ill Neurologic Patients: A Multi-Center Mixed Methods Pilot Study

Victoria Fleming, Abhinav Prasad, Connie Ge, Shazeb Meraj, Carmalin Franco, Catherine Hough, Bernard Lo, Shannon Carson, Jay Steingrub, Douglas White, Susanne Muehlschlegel

Neuroepidemiology

S19: Neuroepidemiology, Monday, April 24, 3:54 PM – 4:06 PM ET

Abstract 4319: PM2.5 and Parkinson Disease Risk in Medicare Beneficiaries

Brittany Krzyzanowski, Susan Nielson, Brad Racette

Neuromuscular and Clinical Neurophysiology (EMG)

PL5: Clinical Trials Plenary Session, Tuesday, April 25, 9:30 AM – 9:45 AM

Abstract 4516: Results from the first four regimens of the HEALEY ALS Platform Trial

Sabrina Paganoni, James Berry, Melanie Quintana, Eric Macklin, Benjamin Saville, Jinsy Andrews, Jeremy Shefner, Christina Fournier, Suma Babu, Nicholas Maragakis, Bjorn Oskarsson, Michelle Detry, Marianne Chase, Alex Sherman, Hong Yu, Lindsay Pothier, Kristin Drake, Lori Chibnik, Marie-Abele Bind, Matteo Vestrucci, Anna McGlothlin, Joseph Marion, Petra Duda, Brittany Harvey, Irfan Qureshi, Mary Donohue, Volkan Granit, Katheryn Grossman, Robert Glanzman, Michael Hotchkin, Y Paul Goldberg, Melanie Leitner, Michael Hayden, Merit Cudkowicz

Neuro-oncology

S17: Innovations in Neuro-oncology, Monday, April 24, 1:48 PM – 2:00 PM ET

Abstract 4403: Safety of Direct Oral Anticoagulants as Compared to Low Molecular Weight Heparin in Treating Venous Thromboembolism in Patients with Primary Brain Tumors and Brain Metastases – A Review of Literature and Meta-analysis

Raphael Bastianon Santiago, Nirja Shah, Asad Ali, Surabhi Ranjan



Neuro-ophthalmology/Neuro-otology

S12: Neuro-ophthalmology/Neuro-otology, Monday, April 24, 11:15 AM – 11:27 AM ET

Abstract 1931: Classifying Papilledema Using Machine Learning – Modernizing Frisén Grading

Joseph Branco, Juo-Kai Wang, Tobias Elze, Mona Garvin, David Szanto, Randy Kardon, Louis Pasquale, Mark Kupersmith

Neuro-rehabilitation

S38: Neuro-rehabilitation, Wednesday, April 26, 3:30 PM – 3:42 PM ET

Abstract 4738: Endovascular Brain-Computer Interface to Restore Motor Control for the Command of Digital Devices in Patients with Severe Quadriplegia

Shahram Majidi, Noam Harel, Miguel Escalon, Abbey Sawyer, Marta Lapinska, Aidan Rogers, Raul Nogueira, Douglas Weber, David Putrino

Pain

PL4: Contemporary Clinical Issues Plenary Session: Monday, April 24, 9:55 AM – 10:05 AM ET

Abstract 2308: 10 kHz SCS Provides Durable Pain Relief and Neurological Improvements for Patients with Painful Diabetic Neuropathy: 24-Month RCT Results

Erika Petersen, Thomas Stauss, James Scowcroft, Michael Jaasma, Judith White, Shawn Sills, Kasra Amirdelfan, Charles Argoff, Rod Taylor, David Caraway, Nagy Mekhail

Palliative Care

P8: Poster Session 8, Tuesday, April 25, 11:45 AM – 12:45 PM ET

Abstract 3037: Outpatient Palliative Care for Parkinson's Disease: Results from a National Survey

Kei Sugiura, Umer Akbar, Sandhya Seshadri, Megan Dini, Peggy Auinger, Sally Norton, Jodi Holtrop, Benzi Kluger

Practice, Policy, and Ethics

S11: Practice, Policy, and Ethics, Monday, April 24, 11:15 AM – 11:27 AM ET

Abstract 4300: Multi-Centre Audit Of Myotonic Dystrophy In the UK: How Can We Improve Access to Care?

Channa Hewamadduma, James Lilleker, Phillip Kelly, Isobel White, Douglas Whiter, Mahjabin Islam, Paul Campbell, Sadaf Mehboob, Frederick Vonberg, Priya Shanmugarajah, Helen Grote, Stuart Viegas, Christopher Turner

Sleep

S6: Sleep Medicine Highlights, Sunday, April 23, 4:18 PM – 4:30 PM ET

Abstract 3720: A Longitudinal evaluation of early Sleep and Respiratory Impairment in ALS patients

Alessandro Bombaci, Antonella Iadarola, Elisa Fattori, Claudio Gojani, Umberto Manera, Andrea Calvo, Adriano Chio, Alessandro Cicolin