



2024 Abstracts of Distinction

Distinction is awarded to the top-rated abstract in each topic category. The 26 abstracts below have been selected for the merit of distinction based on the quality of study and interest to the neurologic community.

Aging, Dementia, Cognitive, and Behavioral Neurology

PL4 - Contemporary Clinical Issues Plenary Session, Monday, April 15, 9:15 a.m.–9:25 a.m. MT

Abstract 5377: Cutaneous Phosphorylated Alpha-Synuclein Deposition in Dementia with Lewy Bodies and Mild Cognitive Impairment

Christopher Gibbons, Todd Levine, Bailey Bellaire, Jade Stohl, Roy Freeman

Autoimmune Neurology

S38 - Autoimmune Neurology: Peripheral Autoimmunity, Paraneoplastic Disease, Checkpoint Inhibitors, and Neurosarcoidosis, Wednesday, April 17, 5:06 p.m.–5:18 p.m. MT

Abstract 5404: Defining the CSF Cytokine and Chemokine Signature of Neurosarcoidosis

Georgios Mangioris, Sean Pittock, Binxia Yang, Allen Aksamit, Divyanshu Dubey, Eoin Flanagan, Sebastian Lopez-Chiriboga, Andrew McKeon, John Mills, Ivana Vodopivec, W. Tobin, Michel Toledano, Anastasia Zekeridou

Autonomic Disorders

S9 - Autonomic Disorders, Monday, April 15, 11:27 a.m.–11:39 a.m. MT

Abstract 2916: Randomized Controlled Trial of Intravenous Immunoglobulin for Autoimmune Postural Tachycardia Syndrome (iSTAND)

Steven Vernino, Steve Hopkins, Meredith Bryarly, Roberto Hernandez, Amber Salter

Cerebrovascular Disease and Interventional Neurology

S6 - Stroke Pathophysiology and Prediction, Sunday, April 14, 3:30 p.m.–3:42 p.m. MT

Abstract 6042: Polygenic Resistance to Blood Pressure Treatment and Stroke Risk

Shufan Huo, Cyprien Rivier, Santiago Clocchiatti-Tuozzo, Daniela Renedo, Hongyu Zhao, Adam De Havenon, Kevin Sheth, Guido Falcone

Child Neurology and Developmental Neurology

S37 - Emerging Therapies in Child Neurology, Wednesday, April 17, 5:18 p.m.–5:30 p.m. MT

Abstract 3619: In-vitro Efficacy and In-vivo Biodistribution Studies of an Antisense Oligonucleotide Targeting Leukoencephalopathy with Brainstem and Spinal Cord Involvement and Lactate Elevation

Manouchehr Amanat, Christina Nemeth, Ines Garofolo, Amena Fine, Ali Fatemi

Education, Research, and Methodology

S33 - Innovations in Medical Education, Wednesday, April 17, 1:00 p.m.–1:12 p.m. MT

Abstract 2826: Large Language Model Performance in Neurology Board Questions

Liqi Shu, Daniel Mandel, Oliver Y. Tang, Zhaowei Jiang, Eric Goldstein, Ali Mahta

Epilepsy/Clinical Neurophysiology (EEG)

S24 - Epilepsy Clinical Syndromes and Management, Tuesday, April 16, 3:30 p.m.–3:42 p.m. MT

Abstract 3574: Long-term Clinical Outcome of Cryptogenic New-onset Refractory Status Epilepticus (C-NORSE) Patients

Yoonhyuk Jang, Soo Hyun Ahn, Yee Mon Su, Ji Hye You, Kyung-Il Park, Han Sang Lee, Kon Chu, Sang Kun Lee, Soon-Tae Lee



General Neurology

S43 - General Neurology 2, Thursday, April 18, 1:00 p.m.–1:12 p.m. MT

Abstract 3635: Progression of Nonfluent Primary Progressive Aphasia and Primary Progressive Apraxia of Speech into Corticobasal Syndrome

Danna Garcia-Guaqueta, Hugo Botha, Rene Utianski, Joseph Duffy, Heather Clark, Austin Goodrich, Mary Machulda, Jennifer Whitwell, Keith Josephs

Global Health and Neuroepidemiology

S11 - Global Health and Neuroepidemiology, Monday, April 15, 11:39 a.m.–11:51 a.m. MT

Abstract 4022: Predictive Models for Neurocognitive Decline in HIV+ Youth in Zambia using a Machine Learning Approach

Mohammed Mehdi Shahid, Gauri Patil, Esau Mbewe, Pelekelo Kabundula, Sylvia Mwanza-Kabaghe, Alexandra Buda, Ruth Agwaze, Heather Adams, Milimo Mweemba, Gretchen Birbeck, David Bearden

Headache

S20 - Hot Topics in Headache, Monday, April 15, 3:42 p.m.–3:54 p.m. MT

Abstract 6571: S-cone Stimulation Opposes Aversion to Melanopsin and L-cone Stimulation in a Preclinical Model of Photophobia

Eric Kaiser, Audrey Cavanah, Geoffrey Aguirre, Frances Jensen

Health Care Disparities

S14 - Health Care Disparities, Monday, April 15, 11:15 a.m.–11:27 a.m. MT

Abstract 6236: Advancing Engagement of Black and African American Communities in Parkinson's Research

Reversa Mills, Chantale Branson, Hiral Shah, Tammyjo Best, Bernard Coley, Denise Coley, Michael Fitts, Kimberly Gamble, Richard Huckabee, Angela Huckabee, Evelyn Lewis, Lisa Seghetti, Karen Williams, Lance Wilson, Amasi Kumeh, Casey Gallagher, Christiana Evers, Evelyn Stevens

History of Neurology

S12 - History of Neurology, Monday, April 15, 12:03 p.m.–12:15 p.m. MT

Abstract 2333: Robert Frost's Inaugural Woes: A Differential Diagnosis For His Acute Vision Loss

Erin Finn, Elizabeth Coon

Infectious Disease

S25 - Diagnostics and Therapies in Infectious Diseases, Tuesday, April 16, 4:18 p.m.–4:30 p.m. MT

Abstract 5351: CSF Host Transcriptomics Identifies Unique Host Gene Expression Patterns Between Survivors and Non-survivors in Adult Patients with Tuberculosis Meningitis (TBM)

Martineau Louine, Michael Wilson, David Boulware, Mary Rolfes, Mary Wang, Darlisha Williams, Nathan Bahr, Fiona Cresswell, David Meya, Ravi Dandekar, Kelsey Zorn, Maham Zia, Charles Langelier, Mick Eran, Biyue Dai, Chloe Gerungan, Kristoffer Leon

Movement Disorders

S35 - Movement Disorders: Hyperkinetic Movement Disorders, Wednesday, April 17, 3:54 p.m.–4:06 p.m. MT

Abstract 2784: Prevalence of and Annual Conversion Rates to Mild Cognitive Impairment and Dementia: Prospective, Longitudinal Study of an Essential Tremor Cohort

Elan Louis, Ali Ghanem, Diane Berry, Nora Hernandez, Vibhash Sharma, Silvia Chapman, Edward Huey, Stephanie Cosentino

Multiple Sclerosis

S31 - Multiple Sclerosis: Therapeutics and Clinical Decision Making, Wednesday, April 17, 2:00 p.m.–2:12 p.m. MT

Abstract 3597: OCARINA II, Phase III Study: Results of Subcutaneous Ocrelizumab Administration in Patients With Multiple Sclerosis

Scott Newsome, Ewa Krzystanek, Krzysztof Selmaj, Lawrence Goldstick, Catarina Figueiredo, Ben Townsend, Christian Wolf, Dusanka Zecevic, Caroline Giacobino, Oscar Bortolami, Yun-An Shen, Heidemarie Kletzl, Susanne Clinch, Diego Centonze



Neuro Trauma and Sports Neurology

P2 - Poster Session 2, Sunday, April 14, 11:45 a.m.–12:45 p.m. MT, Poster Number 14-003

Abstract 5298: Comparing Brain MRI Outcomes Between Youth American Football and Non-football Athletes: A Report Using Adolescent Brain Cognitive Development (ABCD) Study Data

Eric Ichesco, Yuanzhi Li, Ingrid Ichesco, Andrew Schrepf, Andrea Almeida, Matthew Lorincz, Chelsea Kaplan, Michael Popovich, Scott Peltier, Richard Harris, Xuming He, James Eckner

Neurocritical Care

S23 - Neurocritical Care, Tuesday, April 16, 2:00 p.m.–2:12 p.m. MT

Abstract 3094: Machine Learning-informed Subtyping of Generalized Periodic Discharges in Cardiac Arrest

Vishnu Karukonda, Mahsa Aghaeeval, Pravinkumar Kandhare, Wei-Long Zheng, Jin Jing, Mohammad Ghassemi, Jong Lee, Susan Herman, Adithya Sivaraju, Nicolas Gaspard, Jeannette Hofmeijer, Michel van Putten, M. Westover, Edilberto Amorim

Neurohospitalist

P4 - Poster Session 4, Monday, April 15, 11:45 a.m.–12:45 p.m. MT, Poster Number 15-001

Abstract 2679: Impact of a Non-mydratiatic Ocular Fundus Camera at a Quaternary Care Emergency Department

Valerie Biousse, Mariana Rodriguez Duran, Mariam Torres Soto, Andrew Pendley, Gabriele Berman, James Greene, David Wright, Nancy Newman

Neuromuscular and Clinical Neurophysiology (EMG)

S21 - Inherited Myopathies and Neuropathies: New Therapeutic Approaches and Observations, Tuesday, April 16, 1:00 p.m.–1:12 p.m. MT

Abstract 6731: Ataluren Delays Clinically Meaningful Milestones of Decline in 6WMD in Patients with nmDMD from Study 041, a Phase 3, Placebo-Controlled Trial

Shiwen Wu, Sheffali Gulati, Hirofumi Komaki, Rosa E Escobar-Cedillo, Anna Kostera-Prusczyk, Jin-Hong Shin, Kazuhiro Haginoya, Vinay Penematsa, Connie Chou, Paula Williams, Christian Werner, Jeffrey Statland

Neuro-oncology

S27 - Neuro-oncology, Tuesday, April 16, 3:54 p.m.–4:06 p.m. MT

Abstract 6704: CAR T Cells in Primary and Secondary CNS Lymphoma

Jorg Dietrich, Isabel Arrillaga-Romany, April Eichler, Deborah Forst, Elizabeth Gerstner, Justin Jordan, Ina Ly, Scott Plotkin, Nancy Wang, Maria Martinez-Lage, Sebastian Friedrich Winter, Kai Rejeski, Jorg-Christian Tonn, Louisa vom Baumgarten, Daniel Cahill, Brian Nahed, Ganesh Shankar, Jeremy Abramson, Jeffrey Barnes, Areej El-Jawahri, Ephraim Hochberg, Patrick Johnson, Jacob Soumerai, Ronald Takvorian, Yi-Bin Chen, Matthew Frigault, Philipp Karschnia

Neuro-ophthalmology/Neuro-otology

S40 - Neuro-ophthalmology/Neuro-otology, Thursday, April 18, 1:12 p.m.–1:24 p.m. MT

Abstract 6133: 'Adrift from the World': Understanding How Inherited Optic Neuropathies Impact on Quality of Life

Benson Chen, Chloe Seikus, James Ferguson, Patrick Yu-Wai-Man, Stephanie Archer

Neuro-rehabilitation

P7 - Poster Session 7, Tuesday, April 16, 11:45 a.m.–12:45 p.m. MT, Poster Number 11-001

Abstract 5309: Transcutaneous Spinal Cord Stimulation (ARC-EX Therapy) is Safe and Effective at Improving Upper Extremity Function Following Spinal Cord Injury

Candace Tefertiller, Randy Trumbower, Leslie Morse, Ilse van Nes, Sukhvinder Kalsi-Ryan, Mariel Purcell, Thomas Janssen, Andrei Krassioukov, Kristin Zhao, James Guest, Ralph Marino, Lynda Murray, Jill Wecht, Markus Rieger, Jared Pradarelli, Jenny Suggitt, Amanda Turner, Kristen Gelenitis, Jessica D'Amico, Chet Moritz, Edelle Field-Fote



Pain

S13 - Pain Research, Monday, April 15, 11:27 a.m.–11:39 a.m. MT

Abstract 6059: BHV-2100, A First-In-Class TRPM3 Antagonist for the Treatment of Pain

Joris Vriens, Jean-Christophe Vanherck, Arnaud Marchand, Bruce Carr, Gene Dubowchik, Reese Caldwell, Volkan Granit, Lawrence Marcin, David Pirman, Patrick Chaltin, Thomas Voets

Palliative Care

P5 - Poster Session 5, Monday, April 15, 5:30 p.m.–6:30 p.m. MT, Poster Number 6-001

Abstract 6870: Racial Disparities in Palliative Care Service Accessibility in Intracerebral Hemorrhage Patients

Meesha Trivedi, Nikit Venishetty, Mohammad Rauf Chaudhry, Salvador Cruz-Flores

Practice, Policy, and Ethics

P2 - Poster Session 2, Sunday, April 14, 11:45 a.m.–12:45 p.m. MT, Poster Number 10-001

Abstract 2507: Burnout in Neurology

Janet Guo, Senay Gokcebel, Parneet Grewal, Sasha Alick-Lindstrom, Christa O'hana Nobleza, Doris Kung, Suma Shah, Halley Alexander, Natasha Frost, Kamala Rodrigues, Sarah Durica, Seema Nagpal, June Yoshii-Contreras, Katherine Zarroli, Padmaja Sudhakar, Chen Zhao, Sol De Jesus, Deborah Bradshaw, Nicole Brescia, Nancy Foldvary-Schaefer, Laura Tormoehlen, Laurie Gutmann, Sneha Mantri, Ailing Yang, Annie He, Cynthia Zheng, Mark Fiecas, Julie Silver, Alyssa Westring, Jane Allendorfer, Sima Patel, Neishay Ayub

Sleep

S36 - Sleep Neurology Highlights, Wednesday, April 17, 4:30 p.m.–4:42 p.m. MT

Abstract 6455: Causal Brain Networks Implicated in Chronic Insomnia

Keaton Helquist, Elijah Baughan, Levi Pouwer, Owen Benzley, Daniel Kay, Travis Klosinski, Frederic Schaper, Michael Ferguson, Jared Nielsen