

12th Edition of International Conference on Neurology and Brain Disorders

Theme: Innovations in Neuroscience:
Bridging Research and Patient Care



20-22
OCTOBER
2025

Our Scientific Committee



KEN WARE
NeuroPhysics Therapy Institute and
Research Centre, Australia



YONG XIAO WANG
Albany Medical College,
United States



ROBERT B SLOCUM
University of Kentucky HealthCare,
United States



KENNETH B STOREY
Carleton University, Canada



W S EL MASRI
Keele University, United Kingdom

Scientific TOPICS

- Alzheimers and Parkinsons Diseases
- Neuroimmunology and Neurological Infections
- Cognitive Neuroscience and Psychology
- Neuroinformatics and Computational Neuroscience
- Neurological Disorders
- Neurobiology
- Molecular Neuroscience
- Pediatric Neurology
- Clinical Neurology
- Translational Neurology
- Neurogenetics
- Neurodegenerative Diseases
- Neuropsychiatry
- Neuroscience Research
- Neuropharmacology and Novel Drug Development
- Neurological Interventions and Surgery

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Web: <https://neurologycongress.com/>
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VENUE

Hilton Garden Inn Lake Buena,
Vista/Orlando, 11400 Marbella Palm
Ct, Orlando, FL 32836, United States

Ken Ware, NeuroPhysics Therapy Institute and Research Centre, Australia

Title: The role of beliefs, perception, and behavioural patterns in the evolution of psychophysical disorders

Robert B Slocum, University of Kentucky HealthCare, United States

Title: Title: Narrative medicine: A communication therapy for the communication disorder of Functional Seizures (FS) [also known as Psychogenic Non-Epileptic Seizures (PNES)]

Yong Xiao Wang, Albany Medical College, United States

Title: Novel important cellular responses, signaling mechanisms and therapeutic options in vascular dementia

Stephen Grossberg, Boston University, United States

Title: Towards solving the hard problem of consciousness: The varieties of brain resonances and the conscious experiences that they support

Thomas J Webster, Interstellar Therapeutics, United States

Title: How have we eliminated infection: From the bone to brain?

George Diaz, Memorial Healthcare Systems, United States

Title: A case of vile vindictive primary CNS vasculitis

Sergei M Danilov, University of Illinois, United States

Title: ACE-dependent Alzheimer's Disease (AD)

Joe Sam Robinson, Mercer University, United States

Title: Cervical stenosis-induced chronic cerebrospinal fluid flow restriction as a contributing cause of dementia

W S El Masri, Keele University, United Kingdom

Title: Traumatic Spinal Cord Injuries (TSCI) – Are the radiologically based “advances” in the management of the injured spine evidence-based?

Antonio Carlo Galoforo, University of Pavia, Italy

Title: Oxygen-ozone therapy and cognitive frailty: A non-pharmacological approach to potentially resolve immune and inflammatory dysfunctions

Juan Moreira, Centro Neurointegrativo Gnosis, Puerto Rico

Title: Alzheimer's disease counteracted by intravenous antioxidants biosupplements administration

Zhenhuan Liu, Guangzhou University Chinese Medicine, China

Title: Study scalp electroacupuncture therapy for autism spectrum disorder

Robert B Slocum, University of Kentucky HealthCare, United States

Title: Narrative medicine applications for neuro-oncology patient identity and quality of life

Archit Sonaje, miRcore, United States

Title: Differential gene expression analysis reveals NF- κ B subunit as a potential biomarker for alcohol use disorder

Gloria Chen, Cornell University, United States

Title: Variations in neural and cardiac responses to reward processing in parkinson's disease with depressive symptoms

Sriyaa Suresh, University of Virginia, United States

Title: Rare bismuth-induced neurotoxicity case report

Hamna Khuld, Columbia University, United States

Title: Association between race and cognitive decline in older adults in the United States and Puerto Rico

John Zakhary, Geauga Medical Center, United States

Title: Missed warning signs – ruptured cerebral aneurysm in a young, healthy woman

Rebekah Sung, Fremont Christian School, United States

Title: Effects of sleep deprivation on alpha power

Nassim Stegamat, Temple University Lewis Katz School of Medicine, United States

Title: Mimicking Deep Brain Stimulation (DBS) via minimally invasive chemo-genetic manipulation of the subthalamic nucleus shows a recovery in parkinsonian behavior in rat models

Roger H Coletti, Interventional Health, PA, United States

Title: Treatment of chronic muscle spasm and pain with the CMECD® procedure

Younok Dumortier Shin, ALAIRED LLC, United States

Title: Challenges in translating science into medicine in the field of brain health

Deetya Potakamuri, Adrian Wilcox High School, United States

Title: The journey to alzheimer's disease diagnosis and beyond through different perspectives

Evalds Viguls, University of Chicago, United States

Title: Deciphering astrocytic responses to alcohol in the striatum through combined manual and deep learning methods

Tanay Panja, Huron High School, United States

Title: Dementia AI: A low-cost, privacy-preserving mobile application for automated dementia screening using multinomial logistic regression and computer vision

Ralph G Walton MD, Northeastern Ohio Medical University, United States

Title: Dietary methanol as a factor in seizures, mood disorders and Autism

Daniel Curry, Texas Children's Hospital, United States

Title: Environmental factors mimicking shunt malfunction symptoms in pediatric hydrocephalus: A hidden driver of unnecessary hospital encounters

Galina Nikolskaya, GNQNC Neurology Clinic, United States

Title: Video-based endurance and dynamic testing for convergence insufficiency in mTBI: A proof-of-concept study

Matthew He, Nova Southeastern University, United States

Title: Mathematical logic of action potentials: Roots of thoughts and zeros of mathematics

Kendall Lee, Castilleja School, United States

Title: The effects of music tempo on the episodic memory of pre-school children

Forough Yazdanian, Harvard Medical School, United States

Title: Antithrombotic strategies for the secondary prevention of ischemic stroke: A systematic review and network meta-analysis

Robyn Merkel Walsh, TalkTools, United States

Title: Tethered oral tissues: Navigating emerging research and clinical controversies

Di Huang, National Institutes of Health, United States

Title: Silencer variants are key drivers of gene upregulation in alzheimer's disease

Ganesh Chapagain, Florida Atlantic University, United States

Title: Granulocyte Colony Stimulating Factor (G-CSF) gene therapy as a regenerative treatment strategy in BCAA stroke mouse model

Madhav Lolla, University of Cincinnati, United States

Title: Mapping visual action representations in the brain via LLaVa-derived semantic features

Pranati Yadlapalli, Georgia Institute of Technology, United States

Title: Peripheral nerve injury does not alter VGluT1 synaptic density on Isl1+ premotor interneurons

John DenBoer, Dementia Prevention Systems, Inc., United States

Title: Digital therapy for mitigating dementia and mild cognitive impairment: A review of efficacy and applications

William McCarthy, UTHealth Science Center at Houston, United States

Title: Accessible solar-compatible Electroencephalogram (EEG) for rural epilepsy diagnostics

Vedant Mehta, Georgia Institute of Technology, United States

Title: Facilitating emotional regulation through brain-computer interfaces

Shweta Kalita, University of Texas Health Center, United States

Title: Digital health narratives in neuro-oncology: evaluating educational quality through NLP-augmented discern analysis

N M Asif Billah, University of Northern Colorado, United States

Title: PDCD4-mediated regulatory networks in progressive supranuclear palsy: A multi-omics analysis reveals novel therapeutic targets

Nadia Hossain, Mayo Clinic, United States

Title: Behavioral variant frontotemporal dementia in the setting of progressive apraxia of speech: A clinico-neuroimaging case-control study

Meghana, The University of Texas Medical Branch, United States

Title: From classroom to clinic: Aligning migraine care with public health

Rafaela Marchini de Oliveira, University of North Florida, United States

Title: The association between cardiorespiratory fitness and white matter integrity across the lifespan: A meta-analytic review

Naveen Viswanath, University of Toledo College of Medicine, United States

Title: Movement disorders from anti-Seizure medications: A systematic review

Shrihita Ganga, Southern Illinois University School of Medicine, United States

Title: A case of acute disseminated encephalomyelitis presenting with catatonia and psychosis in a patient with schizophrenia

Atta Boateng, Columbia University, United States

Title: Disparities in mortality, hospitalization costs, and length of stay after intracerebral hemorrhage: Cross-sectional analysis of the 2022 U.S. national inpatient sample

Youlan Li, St. Michaels University School, Canada

Title: Neural mechanisms linking multilingualism to stronger visual imagery and lower aphantasia prevalence

Agata Chudzik, University of Toronto, Canada

Title: Transcutaneous vagus nerve stimulation modulates hippocampal glutamate–glutamine levels and brain activation in a rat model of chronic stress

Anwesha Dutta, Newcastle University, United Kingdom

Title: 3D 7Li magnetic resonance imaging analysis in patients with bipolar disorder

Abbas Khizar Khoja, University of Nottingham, United Kingdom

Title: Outcomes and prognostic factors of surgical decompression in neurological foot drop: A systematic review and meta-analysis

Henry Chahwanda, Individual, United Kingdom

Title: Social engagement and cognitive functions: An association between religious attendance and cognitive functions in old age

Ala Bashir, Worcestershire Acute Hospitals NHS Trust, United Kingdom

Title: A case of probable Progressive Supranuclear Palsy Frontal type (PSP-F) presenting as psychosis

Nethmi Nuwanji Amarasekera, Imperial College London, United Kingdom

Title: An audit on the assessment and management of osteoporosis in a parkinson's and related diseases clinic in Australia

Rachel Earley, Kings College London, United Kingdom

Title: Increasing Sudden Unexpected Death in Epilepsy (SUDEP) documentation in paediatric epilepsy clinics

Bilal Amin, University of Cambridge, United Kingdom

Title: Mitochondrial DNA in glioblastoma: A systematic review

Edwin Mazhuppel Rechar, NHS, United Kingdom

Title: A rare case of SMART syndrome presenting to the emergency department

Josiah Cho, University of Cambridge, United Kingdom

Title: The impact of vaccination on cognitive symptoms in long covid

Henry Taylor, University of Oxford, United Kingdom

Title: Amyloid Beta oligomerisation drives tau hyperphosphorylation by driving excessive long-term depression of synapses; a suggested physiological link between amyloid plaques and tau tangles

Akshayaa Kumar Aggarawal, Walsall Manor Hospital, United Kingdom

Title 1: When the mind plays tricks: LGI1 encephalitis mimicking psychiatric illness

Title 2: When normal investigations conceal a rare disease: A case of LGI1 antibody-associated autoimmune encephalitis

Muhammad Abubakar, University Hospital Birmingham, United Kingdom

Title: Concurrence of chickenpox and varicella zoster virus encephalitis in an immunocompetent female: A case report

Robert Beggerow, North Middlesex University Hospital, United Kingdom

Title: Neurosarcoidosis with cranial nerve polyneuropathy: A case report highlighting the potential role of Serial Systemic Immune- Inflammatory indices (SSIIi)

Kerryn Burgoyne, KTalk, Australia

Title: Autism & mental health – How different individuals are impacted (my story)

Eric A Okraha, La Trobe University, Australia

Title: Investigating the efficacy of cannabis-derived compounds for treatment of parkinson's disease

Aoun Sebaiti Mehdi, Néocortex Institute, France

Title: Towards a developmental theory of oscillatory transitions: From theta to beta in subcortico-frontal loops through the lens of ADHD

Mohammed Abubaker Elnager, Sheikh Khalifa Medical City Ajman, United Arab Emirates

Title: A typical presentation of miller fisher Syndrome: A case report and review

Lamar AboAljadel, KSAU, Saudi Arabia

Title: The association between antibiotic exposure and the incidence of multiple sclerosis: A systematic review and meta-analysis

Riham Mohsen Essa, Alexandria University, Saudi Arabia

Title: Neuro-responsive interior design for alzheimer's care: Enhancing daily life in smart therapeutic spaces

Netra Agarwal, Georgian National University SEU, Georgia

Title: Clearing the fog: Can senolytics wipe out alzheimer's one cell at a time?

Hardi Mehta, Georgian National University SEU, Georgia

Title: The ultimate trojan horse: Nanocarriers breaking through the BBB for glioblastoma

Vraj Champaneria, Teaching University Geomedi LLC, Georgia

Title: Paroxysmal dyskinesia: Unraveling the complexities of a rare movement disorder

Elza Bitsadze, Akaki Tsereteli State University, Georgia

Title: Digital brain: Data-driven discovery in neuroscience

Ioana Ciubotarescu, SAIWALA, Romania

Title : Neurofeedback and TPS for severe depression

Mako Momoda, Hyogo Institute for Traumatic Stress, Japan

Title: Validity and reliability of the Japanese behavior rating inventory of executive function-adult version (J-BRIEF-A): Gender differences and age variations in adults

Isao Okunishi, Kinjirushi Co., Ltd, Japan

Title: Improvement of brain function by wasabi component “hexaraphane”

Tatiana Korolenko, Novosibirsk Medical University, Russian Federation

Title: Effect of trehalose treatment in a pharmacological model of Alzheimer's disease in mice

Humberto Montano Tello, Universidad del Valle de Mexico, Mexico

Title: Bouchard aneurysm: A call for precaution in stroke treatment

Gustavo Alves Andrade Dos Santos, Sao Leopoldo Mandic School of Medicine, Brazil

Title: A new diagnostic perspective for alzheimer's: Salivary p-TAU?

Tung Liang Lin, Taichung Veterans General Hospital, Taiwan

Title: Neuropathic foot pain: Therapeutic insights from a biomechanical perspective

Dawei Zang, Capital Medical University, China

Title: Clinical efficacy analysis of implantable VNS stimulation rehabilitation therapy for the patients with hemiplegia after ischemic stroke

Qingyuan Yang, Shanghai Jiao Tong University School of Medicine, China

Title: STING is significantly increased in high-grade glioma with high risk of recurrence

Jiying Zhou, The First Affiliated Hospital of Chongqing Medical University, China

Title: New trends in migraine management: Transcending the traditional divide between acute and preventive treatments

Jinqian Liang, Peking Union Medical College Hospital, China

Title: Safety, tolerability and efficacy of ALMB-0166 in the patients with acute Spine Cord Injury (SCI): A multicenter, randomized, placebo-controlled, phase I/II study

Zemeng Chen, Peking Union Medical College, China

Title: Harnessing photobiomodulation therapy for alzheimer's disease: A novel approach to neurodegenerative treatment

Miaoran Lin, Fujian Medical University, China

Title: Tai chi-induced exosomal LRP1 is associated with memory function and hippocampal plasticity in aMCI patients

Peifu Wang, Aerospace Center Hospital, China

Title: Endovascular thrombectomy in patients with acute ischemic stroke due to large-vessel occlusion

Xiaoli Zhang, Beijing Anzhen Hospital, China

Title: Cognitive impairment predicts major arrhythmic events in heart failure via central autonomic network hypometabolism: A brain-heart axis study

S V Albertin, Pavlov Institute of Physiology, Russian Federation

Title: An alternative approach to testing and rehabilitation of decerebrated animals

Royal Patel, SVN Institute of Pharmacy, India

Title: Neuroprotective effect of andrographolide combination with piperine against streptozotocin induced alzheimer's disease

Waseem Dar, Shiv Nadar University, India

Title: Aspartame-induced cognitive dysfunction: Unveiling role of microglia-mediated neuroinflammation and molecular

Prabhakar Tiwari, All India Institute of Medical Sciences, India

Title: Comprehensive metabolomics profiling identifies novel biomarkers and pathways for early detection and mechanistic insights in alzheimer's disease

Harshita Singh, Central University of Punjab, India

Title: Exogenous CGRP mitigates neuroinflammation and cognitive impairment in sepsis-associated encephalopathy via regulating C-Jun N-terminal kinase

Vineet Kumar Kamal, All India Institute of Medical Sciences, India

Title: Functional outcomes of traumatic brain injury in India: A multi-centric cohort study (2021-2024)

Abhijit Kantankar, Osmania University, India

Title: Designing novel chromone derivatives as neuroprotective agents

T Kishore Kumar, National Institute of Technology, India

Title: AI based brain computer interface for detecting neurological disorders using EEG signals

Shradha Kakde, MGM medical college, India

Title: Stroke- diagnosis and treatment methods

Ankita Dhall, Tashkent Medical Academy, India

Title: The effect of stress on cognitive functions of the brain

Soniyapriyadharishni Kuppuswamy, Bharath University, India

Title: Exploring the role of rare non-coding variants in lncRNAs associated with early-onset parkinson's disease: A case-control genomic study

Jaya Thomas, Amrita Institute of Medical Sciences, India

Title: Role of serum vitamin D in ADHD

Sai Prasad, S Nijalingappa Medical College, India

Title: Seizure and aspiration complicating acute expanding epidural hematoma in a tuberous sclerosis adolescent: A case report of clinical and surgical emergency

Yogesh Kumar, AIIMS, India

Title: Cracking the neural code: Understanding the physiological basis of electrodiagnostic studies

Nischitha Manjunath, Adichunchanagiri Institute of Medical Sciences, India

Title: Pregnancy with Roussy Levy syndrome – A rare multidisciplinary management challenge

Hetvi, GCS Medical College, India

Title: Diagnostic accuracy of AI-based models in stroke detection from neuroimaging: A systematic review and meta-analysis

Zeba Sami, SGT University, India

Title: Knowledge, attitude and help-seeking pathways followed by caregivers of individuals with mental illnesses

Zeba Sami, SGT University, India

Title: Knowledge, attitude and help-seeking pathways followed by caregivers of individuals with mental illnesses

Sukesh Gerard, St John's National Institute of Health Sciences, India

Title: Freudian slips and ferrous chips: Neuropsychiatric presentation of brain iron accumulation

Arunachalam Muthuraman, AIMST University, Malaysia

Title: A marine drug: Astaxanthin alleviates the ultraviolet irradiation-induced impairment of visual acuity function in male adult zebrafish via the regulation of reactive retinal glial cell functions

Zaara Travadi, Cambridge Center for International Research, Indonesia

Title: Pro-inflammatory cytokine-mediated modulation of blood-brain barrier integrity: Mechanisms and therapeutic opportunities

John Paul Vincent F De Mesa, Ospital ng Makati, Philippines

Title: Therapeutic Efficacy of GPI-targeted deep brain stimulation in a filipino male with genetically confirmed X-linked dystonia parkinsonism: A case report

Claudia Maria Revelo Miranda, Universidad de Nariño, Colombia

Title: Comprehensive approach to improve quality of life in patients with neurocognitive disorders

Lama Saad El Din Mahmoud, October 6 University, Egypt

Title: Artificial intelligence and virtual reality kinect rehabilitation in stroke patients with unilateral spatial neglect

Zawwad Bin Saif, Islamic University of Technology, Bangladesh

Title: Exploring the prevalence and triggering factors of migraine in university students of Bangladesh using machine learning

Mohammad Ala Uddin, Chattogram Medical College, Bangladesh

Title: Pediatric stroke in Bangladesh: Epidemiology, clinical profiles, and policy implications for an underrecognized public health challenge

Mohammad Abdullah Hameed, CMH Lahore Medical College, Pakistan

Title: Parinaud syndrome secondary to a unilateral midbrain infarction triggered by an isolated hypertensive episode: A case report

Samira Arji, Ibn Tofaïl University, Morocco

Title: Impact of burnout on executive functions in employees: A case study in a metallurgy company

Zakaria Abidli, International University of Casablanca, Morocco

Title: The impact of screen exposure on attention capacities in Moroccan schoolchildren: A neurocognitive approach

Abdessamad El Hamaoui, Ibn Tofail University, Morocco

Title: Study of traumatic brain injuries and their consequences on neurocognitive deficits: Clinical analysis and therapeutic perspectives

Mohammad Reza Kolahchi, Institute for Advanced Studies in Basic Sciences, Iran (Islamic Republic of)

Title: Frustrated synaptic state for a memory with vast storage

Kowsar Bavarsad, Ahvaz Jondishapur University of Medical Sciences, Iran (Islamic Republic of)

Title: Effects of levothyroxine on learning and memory deficits in a rat model of alzheimer's disease: The role of BDNF and oxidative stress

Elham Azimzadeh, Shahid Beheshti University, Iran (Islamic Republic of)

Title: The impact of physical guidance on motor learning in children with cerebral palsy

Ghorbangol Ashabi, Tehran University of Medical Sciences, Iran (Islamic Republic of)

Title: Unraveling the neuroprotective and neurotoxic effects of different forms of alpha-synuclein in vascular dementia through behavioral studies in wistar rats

Amin Ataie, Babol University of Medical Sciences, Iran (Islamic Republic of)

Title: Polyphenolic antioxidants and neuronal regeneration

Habibollah Dadgar, Nuclear Medicine Department, Iran (Islamic Republic of)

Title 1: Targeted alpha- radionuclide therapy with ²²⁵Ac/²¹³Bi--DOTA-substance P in patients with malignant gliomas

Title 2: A prospective evaluation of hemokine receptor-4 (CXCR4) overexpression in high-grade glioma using ⁶⁸Ga-Pentixafor (Pars-Cixafor™) PET/CT imaging

Sadyk Abdyreshit, Oguz han Engineering and Technology University of Turkmenistan, Turkmenistan

Title: Evaluating ADS1299EEG-FE methods for noise reduction and real-time EEG streaming in BCI

Niraj Khatri Sapkota, Tribhuvan University, Nepal

Title: Depression led pitting edema- A case report

Vuyelwa Zandile Peter, University of KwaZulu-Natal, South Africa

Title: Compounded marginalisation: A perspective of caregivers regarding communication disorders at early childhood development centres in South Africa

Akankunda Veronicah Karuhanga, Golden Age Elderly Homes Kampala, Uganda

Title: Geriatric care for individuals with neurological & brain disorders in carehomes /assisted living facilities

Owona Pascal Emmanuel, University of Yaoundé I, Cameroon

Title: Systems pharmacology and experimental evaluation reveal pterocarpus mildbraedii's effects on behavioral changes, neuroinflammation, and oxidative stress in LPS-induced alzheimer's disease in rats

Ishiaq Olayinka Omotosho, University of Ibadan, Nigeria

Title: Trace elements as modulators of oxidative stress markers: Influence on neurotransmitters in neurodevelopmental disorders

Benjamin Temidayo Adebisi, Institute of Anatomy, Nigeria

Title: Translational research in neurology: Blending basic medical science with clinical practice models

Oral slots are available

Divya Jayam, The Wheatley School, United States

Title: The use of cephalexin to inhibit alpha-synuclein aggregation: A new paradigm in parkinson's disease

Waleed Bashir, Inspira Health Network, United States

Title: "No kicking in the body bag": Determination of brain death with the aid of nuclear medicine scintigraphy

Bryn Taylor, University of Florida, United States

Title: Racial disparities in access to deep brain stimulation surgery

Nathan Chang, Branham High School, United States

Title: A method of diagnosis: Variations in the connection of nodes in triple-network model due to tension

Bardia Hajikarimloo, University of Virginia, United States

Title-1: Machine learning-based models in prediction of the radiological outcomes of vestibular schwannoma following stereotactic radiosurgery: A systematic review and meta-analysis

Title-2: Deep learning-based models for ventricular segmentation in hydrocephalus: A systematic review and meta-analysis

Yein Tahk, Neuro Youth Club, United States

Title: Elastic inter-telomeric tethers and UFBs

Eileen Kim, Mountain View High School, United States

Title: The effects of sleep deprivation on memory recollection through visual and written representation

Akhil Medikonda, Dublin Jerome High School, United States

Title: Using speech acoustics as biomarkers in the early detection of early-onset parkinson's disease

Gabriella Thiakos, Vista Ridge High school, United States

Title: The effect of antioxidants on oxidative stress and amyloid-beta peptide plaques in CL2006 and CL4176 mutated C. elegans exhibiting alzheimer's disease symptoms through an analysis of effective increases in motility and mortality rates

Hunter Slosser, Kansas City University, United States

Title: Ollier's disease with grade II astrocytoma case report and brief review of astrocytoma

Ambrose Loc Ngo, Kansas City University, United States

Title: Subacute brainstem infarction in an infant with incidental ectopic lymphoid tissue: A case report

Zein Barakat, Lakeland Regional Health, United States

Title: Incidental diagnosis of enterovirus encephalitis in a cheerleader following head trauma

Sophia Wong, Arnold O. Beckman High School, United States

Title: Blindneuralgen: Synthesizing EEG signals given visual cues to artificially implant sight to the blind

Yavuz Durmaz, Virginia Tech Carilion School of Medicine, United States

Title: The role of local spindles in memory consolidation

Daniel Gonzales Portillo, Nova Southeastern University, United States

Title: A systematic review and meta-analysis on the effect of metformin on glioblastoma multiforme

Roshan Amurthur, The Harker School, United States

Title: Neorhythm: A neurocardiac electrophysiology based explainable EEG and ECG system for detection of neonatal seizures

Takreem Ahmed, Cornell University, United States

Title: Exploring the link between midbrain iron accumulation and cortical lesions in parkinson's disease

Sunwoo Choi, Westwood High School, United States

Title: The effects of different dopamine inductions on adolescent working memory and EEG bands

Timothy Choo, Carlmont High School, United States

Title: How musical tempo affects pre-grade school childrens' episodic memory

Aaron Shulkin, Carle Illinois College of Medicine, United States

Title: Early propranolol administration improves functional outcomes in traumatic brain injury. A systematic review.

Silvana Iskandar, Oakland University William Beaumont School of Medicine, United States

Title: Clinical and ethical challenges in the acute management of a nonverbal adult with cerebral palsy and complex medical comorbidities

Tanishq Kesani, Yuma Regional Medical Centre, United States

Title-1: Diagnostic challenge in post-influenza acute flaccid paralysis in a 48-year-old female: GBS vs viral myositis

Title-2: Atypical vernet syndrome following trauma: The overlooked role of internal jugular vein thrombosis

Faisal Attiah, Georgetown University, United States

Title: Assessing the role of neurogenesis in learning & memory following exposure to High Frequency Head Impacts (HF-HI) and Controlled Cortical Impacts (CCI)

Allison Masek, University of Wisconsin - Milwaukee, United States

Title: Digital techniques and mitigation of dementia

Jasmine K Harris, University of California, United States

Title: Defining molecular features of epileptic networks using intracranial sEEG-derived patient tissue

Rebecca Jacob, Independent, United States

Title: Machine learning for epileptic seizure detection and prediction: Non-invasive approaches using wearable technology

Siddhant Kumar Mekala, University of Missouri, United States

Title: Insulin neuritis presenting as thoracic pseudo-sensory level neuropathy: A rare manifestation of Treatment-Induced Neuropathy of Diabetes (TIND)

Aneri Patel, Albany Medical College, United States

Title: A clinical approach to managing acute encephalopathy without a diagnostic MRI

Carlos A Herrero Rivera, Kennedy Krieger Institute, United States

Title: Caregiver-reported needs assessment for emerging adults with cerebral palsy

Jenna Peretin, Drexel University College of Medicine, United States

Title: Estrogen replacement therapy and Alzheimer's disease incidence in aging women: A TriNetX-based analysis

Shereen Tajalli, Children's Hospital of New Jersey, United States

Title: Diagnostic yield of whole exome sequencing in pediatric neurology practice: A retrospective study

Pranay Reddy Gadikota, Future Physicians of America, United States

Title: Tracking the impact of neuropsychiatric symptoms on caregiver burden in lewy body dementia: A bibliometric analysis (1986-2025)

Nain Tara, Guthrie Robert Packer Hospital, United States

Title: Transient vision loss secondary to carotid artery dissection: An atypical presentation of vascular eagle syndrome

Peter Rodenko, St. George's University, United States

Title: Diagnostic challenges in Fahr's disease: A rare case of extensive basal ganglia calcifications

Madison J Newell, Embry Riddle Aeronautical University, United States

Title: Cognitive-based emulation: Recreating the mind & human cognition through temporal space understanding

Amina Mahmood, Indiana University Northwest, United States

Title: Association of blood-based transcriptional risk scores with diffusion tensor imaging biomarkers for Alzheimer's disease in a Korean cohort

Courtney Jessica Austin, The university of Texas Rio Grande Valley, United States

Title: A puzzling case of visual disturbances ends with a diagnosis of a fatal protein disease

**"Krishna Moorjani, Abhay Murthy & Ethan Liu
, Boston University, United States"**

Title: A multiscale systems biology framework integrating ODE-based kinetics and MD-derived structural affinities to model mBDNF-proBDNF-mediated bifurcation dynamics in CNS neurotrophin signalling

Alexis Angelette, NYP-Weill Cornell, United States

Title: TCD HITS and infective endocarditis: Illustrative case report and series

Noah Lim, Valley Christian School, United States

Title: The effects of sleep deprivation on memory recollection through visual and written representation

Isabel Soto, University of Michigan, United States

Title: Aerobic exercise enhances motor and cognitive performance and restores aberrant splicing in SCA1 mice

Naomi Harsha, National Center for Toxicological Research, United States

Title: Gender and Age Effects on Amyloid Plaque Deposition in a Rat Alzheimer's Disease Model

Seoyun Yuna Chong, Noelle Lim & Diane Kim, Archbishop Mitty High School, United States

Title: The impact of different video features for long term memory

Zane Deliu, Central Michigan University, United States

Title: Lanthionine ketimine ethyl ester induces oligodendrocyte progenitor cell maturation mediated by collapsin response mediator protein 2

Olessia Jouravlev, Carleton University, Canada

Title: Action concept deficits are embodied in a topographic manner in adults with cerebral palsy: ERP evidence

Anushka Chavan, University of Warwick, United Kingdom

Title: The management of relapses in relapsing-remitting multiple sclerosis from 2014 to 2024: A systematic review

Md Zubiar Haque, The Princess Alexandra Hospital NHS Trust, United Kingdom

Title: Uncommon presentation of spontaneous intracranial hypotension in an older adult: A case complicated by bilateral cerebral venous sinus thrombosis

Sharada Rajendra, The university of Buckingham, United Kingdom

Title: AI-driven predictions in paediatric traumatic brain injuries: Enhancing outcomes with data-driven insights

Anya Shekhar, Kings College London, United Kingdom

Title: Epigenetic insights into alzheimer's disease: The critical role of DNA methylation

Sabthagi Sivathanan, Barts and The London School of Medicine and Dentistry, United Kingdom

Title: Underrepresentation of specific ethnicities in Parkinson's research: Insights and considerations for GLP-1RA use in management

Patrick Reardon, University of Melbourne, Australia

Title: Gene therapy for paediatric muscular dystrophies: Revolutionizing treatment and future directions

Laszlo Varga, Netis Informatics Ltd., Hungary

Title: Beyond traditional screening: AI-driven early detection of cognitive disorders and dementia

Marta Kot, Mossakowski Medical Research Institute Polish Academy of Sciences, Poland

Title: Cell culture preconditioning before transplantation influences the inflammatory response of distant brain regions

Jaime Carmona Huerta, Universidad de Guadalajara CUCS, Mexico

Title: Baseline results of REINTEGRA: A comprehensive rehabilitation program for people with serious mental disorders

Ivan Sanchis, Universidad Nacional del Litoral, Argentina

Title: Inhibition of human cholinesterases by novel peptides designed using a protein-peptide specificity prediction protocol in Rosetta

Mohamed Hussein, Dubai Medical College for Girls, United Arab Emirates

Title: Revolutionizing alzheimer's disease treatment through immunotherapy: The central role of trem2 in microglial activation and neuroimmune regulation

Aji Mathew, Amana health care, United Arab Emirates

Title: A case of paroxysmal sympathetic hyperactivity induced by renal stones in a chronically ventilated child

Aleksandar Sic, University of Belgrade, Serbia

Title: Stroke in young adults: An overview and non-pharmacological preventive strategies

Albert Gabriel Turpo Pequena, Catholic University of Santa Maria, Peru

Title: A theoretical study on the efficacy and mechanism of combined YAP-1 and PARP-1 inhibitors in the treatment of glioblastoma multiforme using peruvian maca *Lepidium meyenii*

Huiqing Hou, Capital Medical University, China

Title: Evaluating factor levels of fibrinogen, D-Dimer, and hs-CRP in serum or plasma of patients with ischemic or hemorrhagic stroke

Li Yang, Zhejiang University School of Medicine, China

Title: A nested case-control study of plasma-based extracellular vesicles biomarkers of alzheimer's disease

Zhi Peng Guo, Capital Medical University, China

Title: Disrupted topology of superior frontal gyrus in patients with remitted major depressive disorder and their siblings: Potential endophenotype of vulnerability?

Ekta R Pardhi, National Institute of Pharmaceutical Education and Research, India

Title: Precisely fabricated monophasic sulpiride-naringin coamorphous system with ameliorated oral bioavailability and antidepressant activity

Omkar Surendra Khade, Institute of Bioinformatics, India

Title: Comparative lipidomic profiling reveals shared and distinct metabolic alterations in neuronal ceroid lipofuscinoses

Anshika Goyal, Maulana Azad Medical College, India

Title: Seeing the signs: Narrative review on neuropsychiatric symptoms as precursors of Parkinson's disease

Nidhita, Jaya Arogya Group of Hospitals, India

Title: An atypical presentation of CNS toxoplasmosis

Kushal Thakur, GMERS Medical College Gotri, India

Title: A rare intersection: Exploring clinical overlap of Guillain-Barre syndrome and viral meningitis

Jagjot Singh, GMC Amritsar, India

Title 1: Faces, fantasies, and phantoms: A neurological case study on fregoli delusion, erotomania, and incubus syndrome

Title 2: Role of glucocorticoids and re-introduction of hyponatremia in the management of osmotic demyelination syndrome

Ramanjot Kaur, GMC Amritsar, India

Title 1: Eosinophilic granulomatosis with polyangiitis presenting as mononeuritis multiplex in a patient with longstanding asthma

Title 2: A case of infantile GM1 gangliosidosis with recurrent infections and neurodegeneration

Al Jamil M Zacaria, Cotabato Regional and Medical Center, Philippines

Title: Chorea-hyperglycemia basal ganglia syndrome in a 66-year-old female with uncontrolled type 2 diabetes mellitus: A case report

Hamzah Naushad Siddiqui, Dow University of Health Sciences, Pakistan

Title: Phenobarbital versus valproate for generalized convulsive status epilepticus in adults. An updated systematic review and meta-analysis

Gulchekhra Usmanova, Tashkent Medical University, Uzbekistan

Title: Prognostic significance of vascular endothelial growth factor changes in the acute phase of hemorrhagic strokes

Cristal Liriano, Pontificia Universidad Catolica Madre y Maestra, Dominican Republic

Title: A twist in diagnosis: A young woman's journey from psychiatric symptoms to anti-NMDAR encephalitis with treatment challenges – A case report

Ajisa Ahmadu, Malawi Liverpool Wellcome Programme, Malawi

Title: Categorising malarial and non-malarial causes of coma in children admitted to queen Elizabeth central hospital in Malawi

Hisham Ahmed, Cairo University, Egypt

Title: Riluzole for ALS: A meta-analysis of reconstructed Kaplan–Meier curves

Mohammad Saleh Ranaei, Mazandaran University of Medical Sciences, Iran

Title: Implanting sinoatrial node-like pacemaker cells into the substantia nigra of the brain as a novel therapeutic approach for Parkinson's disease

Pooyan Alizadeh, Ahvaz Jundishapur University of Medical Sciences, Iran (Islamic Republic of)

Title: Role of genetic assessment in early-onset epilepsy management

Poster slots are available