

POSTER SESSION III

TUESDAY, APRIL 15 / 4:00 P.M.–7:30 P.M.

FIRST AUTHORS STAND BY POSTER FROM 6:00 P.M.–7:30 P.M.

CHILD NEUROLOGY/ DEVELOPMENTAL NEUROBIOLOGY

P03.001 Quality of Life in Children with Epilepsy as Measured by the Peds QL™ *Zulfi Haneef, Mitzie L. Grant, Elizabeth F. Hobdell, Sanjeev Kothare, Ignacio Valencia, Agustin Legido, Divya Khurana*

P03.002 CT and MRI Neuroimaging Findings in Children Who Present with Afebrile New Onset Seizures *Olivia Kim, Taeun Chang, Tammy Tsuchida, L. G. Vezina, Tamara John, W. D. Gaillard*

P03.003 Does Sleep Prior to the EEG Matter in Children? A Randomized, Blinded Study *Steven T. DeRoos, Kipp Chillag, Donald Gilbert*

P03.004 Intravenous Levetiracetam Achieves Expected Serum Levels in Critically Ill Children *Nicholas S. Abend, Daniel J. Licht, Dennis J. Dlugos*

P03.005 Narcolepsy with Cataplexy as an Early Symptom of Occult Neuroblastoma *Claudine Sinsico, Kenneth Silver, Ewa Chelmicka-Schorr, Michael Kohrman, Alla Nechay, Ludmila Chepiga, Tatyana Stetsenko, Mariannne Larsen, Sheldon Stephen, John Stephenson*

P03.006 Febrile Seizure Management in Hospital Practice Compared to Guidelines *John Millichap*

P03.007 Impact of BCG Vaccination on Neuroimaging Findings and Outcome in Pediatric CNS Tuberculosis *Mohammad Wasay, Saad Ajmal, Najam Uddin, Iqbal Azam, Yousuf Husen, Qamaruddin Nizami*

P03.008 A Study of Intrathecal Baclofen Pumps in Children: Experience from a Tertiary Care Center *Jena Khera, Debabrata Ghosh, Mark Luciano*

P03.009 Reliability and Validity of the PedsQL™ Neuromuscular Module 1.0 in the Duchenne Muscular Dystrophy Population *Sarah E. Davis, Linda Hyman, Susan Iannaccone*

P03.010 Long-Term Effects of Neonatal Pain on Later Life Pain Behavior: Can They Be Modulated? *Emily D. Daviau, Rachel Steinhorn, Nishant Goyal, Santhanam Suresh, Sookyong Koh*

P03.011 Ventricular Wall Granulations Facilitate Cerebrospinal Fluid Flow in Chronic Hydrocephalus *Joseph Masdeu, Maria A. Fernández-Seara, Belen Pascual, Javier Arbizu, Federica Bressi*

P03.012 Case Report of the Phenotype and Treatment of a Child with Novel Mutations of the Tyrosine Hydroxylase Gene *Mena Scavina, Harold Marks, Joseph Melvin, Alisa Clark, Charles Bean, Omar Dabbagh*

P03.013 Acute Facial Palsy (Bell's Palsy) in Children *Biju Thomas, Manikum Moodley*

P03.014 Chronic Inflammatory Demyelinating Polyradiculoneuropathy in Children: Study of 20 Cases *Oswaldo J. M. Nascimento, Marcos R. G. De Freitas, Giseli Quintanilha, Tania Escada, Marcelo M. Cruzeiro, Ursula Thome, Marco Orsini, Wilson Marques, Jr., Camila Pupe*

P03.015 Long Term Follow Up of Children with Chronic Demyelinating Polyneuropathy: Variability of Clinical and Electrophysiological Course and Treatment Outcome *Nina Barisic, Anica Basnec, Maja Jurin, Andrej Sribar, Leo Pazanin*

MULTIPLE SCLEROSIS AND RELATED DISEASES: CHILDHOOD DEMYELINATING DISORDERS

P03.016 Premorbid Neurological and Neurocognitive Impairment Is Predominant in Younger Children with Acquired Demyelinating Disorders *E. Ann Yeh, Murali Ramanathan, Lisa Jackson, Joy Parrish, Nitin Agarwal, Bianca Weinstock-Guttman*

P03.017 Screening Visual Motor and Perceptual Abnormalities in Children with Demyelinating Disorders *E. Ann Yeh, Susan Bennett, Linda Shriber, Lisa Jackson, Joy Parrish, D. Svaidya, Bianca Weinstock-Guttman*

P03.018 Childhood Multiple Sclerosis – Center Based Analysis of 22 Cases *Asit K. Tripathy, Mary Rensel, Manikum Moodley*

P03.019 Neuromyelitis Optica in Children *Asit K. Tripathy, Mary Rensel, Manikum Moodley*

P03.020 MS Onset before Puberty: A Distinct MRI Phenotype? *Tamara Castillo, Dorothee Chabas, Emmanuelle Waubant*

P03.021 A Functional MRI Study of Patients with Pediatric Multiple Sclerosis *Martina Absinta, Maria A. Rocca, Angelo Ghezzi, Lucia Moiola, Giancarlo Comi, Massimo Filippi*

P03.022 MRI Findings in Pediatric-Onset Multiple Sclerosis Patients: A Retrospective Study *Annika Berger, Brian C. Healy, Svetlana Egorova, Yang Duan, Samia Khoury, Howard Weiner, Tanuja Chitnis, Charles Guttmann*

P03.023 Objective and Subjective Cognitive and Psychosocial Functioning in Childhood Onset Demyelinating Disorders *Joy B. Parrish, E. Ann Yeh, Lisa A. Jackson, Ralph H. B. Benedict, Bianca Weinstock-Guttman*

P03.024 Presentation, Course and Outcome of Multiple Sclerosis in Children under 10 Years of Age *Silvia N. Tenenbaum, Martin J. Segura*

P03.025 Biomarker Discovery in MS: A Proteomic Approach *Lauren Krupp, Kanokporn Rithidech*

P03.026 Long Lesions on Initial Spinal Cord MRI Predict a Final Diagnosis of Acute Disseminated Encephalomyelitis Versus Multiple Sclerosis in Children *Ellen M. Mowry, Alberto Gajofatto, Maria R. Blasco, Tamara Castillo-Trivino, Dorothee Chabas, Emmanuelle Waubant*

P03.027 Racial and Ethnic Findings in Pediatric MS: An Update *Lauren Krupp, Nancy McLinskey, Regina Troxell, Yashma Patel, Maria Milazzo, Patricia Melville, Dawn Madigan, William MacAllister, Anita Belman*

P03.028 Clinical Spectrum of Pediatric CNS Demyelinating and Related Disorders at Children's Hospital of Michigan, Detroit *Aaron Boster, Christina Endress, Stephanie Hreha, Christina Caon, Omar Khan*

P03.029 Pediatric MS Onset: A Distinct Phenotype Influenced by Ethnicity? *Dorothee Chabas, Mila Pesic, Charles McCulloch, Kimberly N. P. Erlich, Jonathan Strober, Emmanuelle Waubant*

P03.030 Childhood Onset Multiple Sclerosis Has Worse Prognosis Than Adult Onset MS on the Basis of Cognition and Magnetic Resonance Imaging Findings *Serkan Ozakbas, Derya Kaya, Egemen Idiman*

ANTERIOR HORN: SPINAL MUSCULAR ATROPHY AND OTHER DISEASES

P03.031 A Tetracycline That Corrects SMN2 Splicing for Potential Therapy of Spinal Muscular Atrophy (SMA) *Joel Berniac, Michelle L. Hastings, Ying-Hsiu Liu, Caroline Dudley, Kelley C. Larson, Daniel Coovert, Todd Bowser, Paul Higgins, Arthur Burghes, Adrian Krainer*

P03.032 Constitutive Role of Mitochondria in Spinal Muscular Atrophy (SMA) *Gyula Acsadi, Xingli Li, Maik Hutterman, Alan Dombkowski, Graham Parker*

P03.033 Proteasome Inhibition in Spinal Muscular Atrophy *Eric C. Muñoz, Barrington Burnett, Kenneth Fischbeck*

P03.034 An Analysis of Disease Severity Based on SMN2 Copy Number in Adults with Spinal Muscular Atrophy *Bakri Elsheikh, Thomas Prior, Xiaoli Zhang, Robert Miller, Stephen Kolb, Dan Moore, Walter Bradley, Richard Barohn, Wilson Bryan, Deborah Gelinas, Susan Iannaccone, Robert Leshner, Jerry Mendell, Michelle Mendoza, Barry Russman, Stephen Smith, John Kissel*

P03.035 Phosphorylation of Survival of Motor Neuron (SMN) Protein and Its Potential Importance in SMN Function and Stability *Wen-Ning Zhao, Lee Rubin*

P03.036 A Comparison of Serum Creatinine Kinase (CK) Levels in Spinobulbar Muscular Atrophy (SBMA) and Amyotrophic Lateral Sclerosis (ALS) *Nizar Chahin, Eric Sorenson*

P03.037 Identification of an X-Linked Distal Spinal Muscular Atrophy Locus *James Garbern, Michael Shy, Karen Krajewski, Dima El-Khechen, Salah Ebrahim, Garth Nicholson, Marina Kennerson*

P03.038 Difficulties in Making a Diagnosis of Hirayama Disease in Caucasian Children *Debabrata Ghosh, A. Rothner, Neil Friedman, Manikum Moodley*

ANTERIOR HORN: CLINICAL RESEARCH

P03.039 Water Turnover in ALS Measured by the Doubly Labeled Water Method *Rup Tandan, Mark B. Bromberg, Edward J. Kasarskis, Hiroshi M. Mitsumoto, Zachary Simmons, Dwight B. Matthews*

P03.040 Quantitative Sit-to-Stand (STSv), Walking (WLKv) and 360 Degree Axial Rotation (AXRv) Velocity in Amyotrophic Lateral Sclerosis (ALS) and Multiple Sclerosis (MS) Patients – Prospective Natural History and Correlation with Falls, Adaptive Equipment Needs and Survival *Benjamin Rix Brooks, Mohammed Sanjak, Shirley M. Peper, Ann M. Houdek*

P03.041 Neuroprotective Effect of the Iron Chelator Desferoxamine on Myelomonocytes from Sporadic ALS Patients Subjected to Hypoxic Stress: Implications for Therapy *Caroline Moreau, Philippe Gosset, Veronique Danel-Brunaud, Regis Bordet, Philippe Lassalle, Alain Destée, Luc Defebvre, David Devos*

P03.042 Pain in ALS Patients *Isabella L. Simone, Rosanna Tortelli, Vito Samarelli, Eustachio D'Errico, Raffaella Messina, Roberta Pellicciari, Michele Sardaro, Marina De Tommaso*

P03.043 A Population Based Survey of Cognitive Decline in ALS *Julie Phukan, Laura Gallagher, Bernie Corr, Niall P. Pender, Orla Hardiman*

P03.044 The Diagnosis of ALS-FTD: Comparison of Caregiver and Patient Behavioral Ratings *Susan W. Woolley Levine, Jonathan Katz*

P03.045 Prospective Study of Circumstances and Causes of Death in ALS *Philippe Couratier, Juan Gil, Annie Verschuren, William Camu, Veronique Brunaud-Danel, Nadia Vanderberghe, Nathalie Guy, Claude Desnuelle, Pascal Cintas, Jean-Christophe Antoine, Philippe Corcia, Guillaume Nicolas, Marie Fleury, Sophie Pittion, Laurence Carlier, Cécile Maugras, Gwendal Le Masson, Gérard Besson, Benoit Funalot*

P03.046 Respiratory Factors and Outcome in Amyotrophic Lateral Sclerosis *Paolo Ghiglione, Luigi Sellitti, Federica Gamna, Sara Giaccone, Andrea Pessia, Andrea Calvo, Mario Zerbini, Alessio Mattei, Giuseppe Tabbia, Adriano Chiò*

P03.047 Diaphragm EMG Measurements Utilizing Implanted Electrodes of the Diaphragm Pacing Stimulation (DPS) System: Advancing Our Understanding of Respiration in ALS *Hans D. Katzberg, Charles Cho, Bashar Katirji, Yuen So, Daniel S. Newman, John Morton, Raymond P. Onders*

P03.048 Do Dyspnea Scales Correlate with Pulmonary Function in ALS? *Terry D. Heiman-Patterson, Michael Sherman, Marta Mendiondo, Yvonne Rollins, Ashok Verma, Carlayne Jackson, Stephen Scelsa, Jeremy Shefner, Daniel Newman, Edward Kasarskis, ALS Nutrition/NIPPV Study Group*

NEUROGENETICS AND GENE THERAPY: DEGENERATION

P03.049 Classical Twin Prevalence Studies in Multiple Sclerosis: Time To Stop? *Christopher H. Hawkes, Alex J. MacGregor*

P03.050 Traumatic Brain Injury May Precipitate Rapidly Progressive Cerebral Form of Adrenoleukodystrophy *Teshamae S. Monteith, Swati Sathe, Gregory Pastores, Edwin Kolodny*

P03.051 Molecular Study of Three Tunisian Families with L-2-Hydroxyglutaric Aciduria *Rim Amouri, Nawel Toumi, Abdelmajid Larnaout, Faycal Hentati*

P03.052 Molecular Characterization of Adult Onset Cerebral X-Linked Adrenoleukodystrophy *Carolin I. Dohle, Serguei I. Bannykh, Fuki M. Hisama, Joachim M. Baehring*

P03.053 A Case Report of Hereditary Spastic Paraplegia with Thin Corpus Callosum *Serkan Ozakbas, Ozlem Sahin*

P03.054 Voxel-Based Morphometry Shows Deep White Matter Damage in Friedreich Ataxia *Anelyssa D'Abreu, Marcondes C. Franca, Jr., Clarissa L. Yasuda, Luciana C. Bonadia, Marilza S. Silva, Anamarli Nucci, Iscia Lopes-Cendes, Fernando Cendes*

P03.055 Identification of a New Form of Autosomal Dominant Hereditary Spastic Paraplegia (HSP) *S. H. Subramony, Andrew D. Parent, Jun Zhang*

P03.056 Molecular Genetic Analysis of SPG6/NIPA1 Hereditary Spastic Paraplegia *Yasushi Kisanuki, Shirley Rainier, Marina Mata, John Fink*

P03.057 Familial Hemifacial Spasm: An Unique Occurrence of Five Female Cases in One Czech Family *Igor Nestrzil, Petr Kanovsky*

P03.058 Whole-Genome Scan Association Study in Primary Progressive Multiple Sclerosis (PPMS) *Filippo Martinelli Boneschi, Federica Esposito, Jerome Wojcick, Maria Emma Rodegher, Vittorio Martinelli, Bruno Colombo, Hadi Abderrahim, Giancarlo Comi*

NEUROGENETICS AND GENE THERAPY: MITOCHONDRIA AND DEGENERATION

P03.059 A Novel Comprehensive Diagnosing System for Mitochondrial DNA Mutations Using Suspension Array Technology *Yutaka Nishigaki, Hitomi Ueno, Noriyuki Fuku, Masashi Tanaka*

P03.060 The Transfer RNA^{Glycine} A10044G Mitochondrial DNA (mtDNA) Mutation: A Complex Role in Producing Mitochondrial Disease *John M. Shoffner, Lauren C. Hyams, Genevieve N. Langley*

P03.061 Alteration in the Copy Number of Mitochondrial DNA in Leukocytes of Patients with Mitochondrial Encephalomyopathies *Chin-San Liu, Wen-Ling Cheng*

P03.062 Depletion of Mitochondrial DNA in Leukocytes of Patients with Poly-Q Diseases *Wen-Ling Cheng, Chin-San Liu*

P03.063 Ataxia, Myoclonus, Deafness, and Neuropathy in a Family Carrying the mtDNA 11778/ND4 Mutation Previously Associated with Leber's Hereditary Optic Neuropathy *Daniela Fulitano, Chiara La Morgia, Gaetano Cantalupo, Alessandro Achilli, Antonio Torroni, Caterina Tonon, Raffaele Lodi, Rocco Liguori, Maria Lucia Valentino, Roberto Vetrugno, Pasquale Montagna, Agostino Baruzzi, Paolo Martinelli, Valerio Carelli*

P03.064 Alu-Element Insertion in the OPAl Intron Sequence Associated with ADOA *Gian Nicola Gallus, Elena Cardaioli, Paola Da Pozzo, Silvia Bianchi, Camilla D'Eramo, Alessandra Rufa, Manuela Tumino, Lorenzo Pavone, Antonio Federico*

P03.065 Clinical and Laboratory Features of a Novel Mutation in the ATP8 Gene of the Mitochondrial DNA (mtDNA): G8315A *Genevieve N. Langley, Lauren C. Hyams, John Shoffner*

P03.066 A New Motor Neuron Disease Maps to Chromosome 4ptel-4p16.1 *Nicolas Dupre, Paul Valdmans, Guy Rouleau*

P03.067 Heterozygous Rare Variants Associated with Gaucher Disease Confer Robust Susceptibility to Parkinson Disease *Jun Mitsui, Ikuko Mizuta, Ryo Ashida, Yuji Takahashi, Jun Goto, Hidetoshi Date, Atsushi Iwata, Miho Murata, Mitsutoshi Yamamoto, Nobutaka Hattori, Tatsushi Toda, Shoji Tsuji*

P03.068 A Comprehensive Molecular Genetic Characterisation of Dystrophinopathies *Francesca Gualandi, Paola Rimessi, Sergio Fini, Cecilia Trabaneli, Anna Venturoli, Elena Martoni, Matteo Bovolenta, Pietro Spitali, Marina Fabris, Luciano Merlini, Alessandra Ferlini*

NEURAL REPAIR/ REHABILITATION: CLINICAL/ NEURODEGENERATIVE DISEASE/MS/SCI/MYOSITIS

P03.069 Intravenous Lidocaine Infusion and Oral Mexiletine Therapy for Dystonia in Corticobasal Degeneration *David Irwin, Gonzalo Revuelta, Carol Lipka*

P03.070 Botulinum Toxin in the Treatment of Spastic Foot Drop in Multiple Sclerosis: An Analysis of the Effects on Gait, Fatigue and Quality of Life *Anjali Shah, Shana Johnson, Amber Salter, Elliot Frohman*

P03.071 Kinematic Analysis of Upper Limb Movements in Multiple Sclerosis Patients Pre- and Post-CIMT *Matteo Bigoni, Francesco Menegoni, Claudio Trotti, Marco Serra, Eva Milano, Silvia Baudo, Manuela Galli, Alessandro Mauro*

P03.072 Somatic Sensory Responses in Motor Cortex Neurons in a Person with Tetraplegia *Ammar Shaikhouni, John P. Donoghue, Gerhard M. Friehs, Leigh R. Hochberg*

P03.073 Effectiveness of an Individualized Program, Based on Proprioceptive Neuromuscular Facilitation Techniques in a Patient with Inclusion Body Myositis Associated with HIV Infection: Description and Preliminary Results *Marcos R. De Freitas, Marco A. Orsini, Osvaldo J. Nascimento*

AGING AND DEMENTIA: CLINICAL II

P03.074 Lower Scores in Attention/ Executive Functioning Are Associated with Probable REM Sleep Behavior Disorder among Cognitively Normal Elderly Subjects: The Mayo Clinic Study of Aging *Jennifer Molano, Bradley Boeve, Rosebud Roberts, Glenn Smith, Robert Ivnik, Tanis Ferman, Yonas Geda, David Knopman, Eric Tangalos, Ruth Cha, Vernon Pankratz, Michael Silber, Ronald Petersen*

P03.075 Early Diagnosis of Alzheimer's Disease with CSF Biomarkers Is Improved with Longitudinal MRI Measurements of Brain Atrophy *Miroslaw Brys, Lidia Glodzik, Remigiusz Switalski, Lisa Mosconi, Susan De Santi, Marcin Sadowski, Henry Rusinek, Anders Wallin, Kaj Blennow, Mory De Leon*

P03.076 Vitamin E Use Is Associated with Improved Survival in an AD Cohort *Valory Pavlik, Rachelle Doody, Susan Rountree, Eveleen Darby*

P03.077 What Do You Mean by Semantic Dementia? *Andrew Kertesz, Sarah Jesso*

P03.078 Treatment Practices of Mild Cognitive Impairment in California Alzheimer's Disease Centers *Andrea Weinstein, Cynthia Barton, Leslie Ross, Joel Kramer, Kristine Yaffe*

P03.079 Inter-Rater Reliability between Expert and Nonexpert Physicians in the Diagnosis of Amnesic MCI in the Community Setting *Rachelle Doody, Steven Ferris, Stephen Salloway, Thomas Meuser, Anita Murthy, Mark Chunming Li, Robert Goldman*

P03.080 Polysomnographic Evidence of Sleep Fragmentation and Poor Sleep Efficiency in Dementia with Lewy Bodies *Bradley Boeve, Tanis Ferman, Michael Silber, Siong-Chi Lin, Maja Tippmann-Peikert, Glenn Smith*

P03.081 Autosomal Dominant Subcortical Gliosis Presenting as Frontotemporal Dementia: Clinical and Histopathology Descriptions *Russell H. Swerdlow, Bradley Miller, Beatrice Lopes, G. Frederick Wooten, Paula Damgaard, Carol Manning, Mariecken Fowler, H. Robert Brashear*

POSTER SESSION III

TUESDAY, APRIL 15 / 4:00 P.M.–7:30 P.M.

FIRST AUTHORS STAND BY POSTER FROM 6:00 P.M.–7:30 P.M.

P03.082 Clinical Implications of Abnormal TDP-43 Immunoreactivity in Pathologically Confirmed Alzheimer's Disease *Keith Josephs, Jennifer Whitwell, David Knopman, William Hu, Alex Stroh, Matthew Baker, Rosa Rademakers, Bradley Boeve, Joseph Parisi, Glenn Smith, Robert Ivnik, Ronald Petersen, Clifford Jack, Dennis Dickson*

P03.083 Change in Parkinsonian Signs and Incident Falls *Teresa Buracchio, Zoe Arvanitakis, Sue Leurgans, David Bennett*

P03.084 Overlapping Features of Dementia with Lewy Bodies and Frontotemporal Dementia Associated with Pathological Frontotemporal Lobar Degeneration with Motor Neuron Disease *Daniel Claassen, Joseph Parisi, Caterina Giannini, Bradley Boeve, Dennis Dickson, Keith Josephs*

P03.085 Psychotic Phenomenology of DLB: An Updated Retrospective Sample of 79 Patients *Avi A. Algom, Tanis J. Ferman, Bradley F. Boeve, Majorie McMaster, Zbigniew Wszolek*

P03.086 Daytime Hypersomnolence on the Multiple Sleep Latency Test in Patients with Dementia with Lewy Bodies *Tanis Ferman, Bradley Boeve, Michael Silber, Siang-Chi Lin, Maja Tippmann-Peikert, Glenn Smith*

P03.087 Incidence of Vitamin B12 Deficiency in a Cohort of Patients with Pre-Existing Alzheimer Disease *Calin Prodan, Elliott Ross*

P03.088 Oculomotor Function in Frontotemporal Lobar Degeneration and Alzheimer's Disease *Adam Boxer, Siobhan Garbutt, Alisa Matlin, Joanna Hellmuth, Julene Johnson, Katrin Schenk, Howard Rosen, Joel Kramer, David Dean, Bruce Miller, John Neuhaus, Stephen Lisberger*

P03.089 The Differential of sCJD *Charles Torres-Chae, Elizabeth Nguyen, Tim Ando, Aissatou Haman, Bruce Miller, Michael Geschwind*

P03.090 Cognitive Profile in Dementia with Lewy Bodies and Alzheimer's Disease *Angela Nervi, Christiane Reitz, Angel Piriz, Ming-Xin Tang, Joseph Lee, Richard Mayeux*

P03.091 Prognosis of Chinese Patients with Stroke Associated with Small Vessel Disease (SSVD) – A Three-Year Follow-Up Study *Alexander Y. L. Lau, Anne Y.Y. Chan, Vincent C.T. Mok, Adrian Wong, Winnie W. M. Lam*

P03.092 Parkinsonism Is Associated with Probable REM Sleep Behavior Disorder in Cognitively Normal Elderly Subjects: The Mayo Clinic Study of Aging *Ebru Mihci, Jennifer Molano, Bradley Boeve, Rosebud Roberts, Yonas Geda, David Knopman, Eric Tangalos, Glenn Smith, Robert Ivnik, Ruth Cha, Vernon Pankratz, Michael Silber, Tanis Ferman, Ronald Petersen*

P03.093 Fragile X Dementia/ Parkinson's Syndrome (FXDP) *Anthony T. Yachnis, Heidi L. Roth, Kenneth M. Heilman*

MIGRAINE, PTSD, CDH

P03.094 Difference of Anterior and Posterior Cerebral Vasomotor Reactivity in Migraineurs with or without Aura *Ji Man Hong, Chin Sang Chung, Sang Kun Shin*

P03.095 Utility of Pulsatility Index in Idiopathic Intracranial Hypertension *Gary Hunter, Christopher Voll*

P03.096 A Survey of General Headache Disorder Knowledge among Military Beneficiaries at Walter Reed Army Medical Center (WRAMC) *Ulgen S. Fideli, Olga A. Prokhorenko, Kimbra Kenney, Edward Neely, William Campbell*

P03.097 The Application of Transcranial Magnetic Stimulation in Facial Neuralgia: A Peripheral Approach *Joseph Chad Hoyle, Yousef M. Mohammad*

P03.098 Temporal Summation in Pain Perception Is Primarily Modulated in the Posterior Part of the Anterior Cingulate Cortex *Mark Obermann, Burkhard V. Pleger, Armin De Greiff, Holger Kaube, Hans-Christoph Diener, Zaza Katsarava*

P03.099 Sleep Complaints, Emotional Disorders, and Serotonin Effects in Adolescent Migraine *Ann Pakalnis, Mark Splaingard, Deborah Splaingard, Donna Kring, Andrew Colvin*

P03.100 Comparative Epidemiology and Clinical Characteristics of Migraine and Chronic Daily Headaches in an Urban Nigerian Community *Francis I. Ojini, Mustapha A. Danesi, Njide U. Okubadejo*

P03.101 Isolated Headache Mimicking Migraine as Sole Feature of a Massive Cerebral Venous Thrombosis *Catherine Griffin, Ranjeeta Mani, Amer Alsheklee, Gerald Grossman*

P03.102 The Acute Treatment of Episodic and Chronic Migraine in the United States *Scott Boruchow, Richard Lipton, Marcelo Bigal*

P03.103 Migraine and Co-Morbid PTSD: Headache Characteristics and Treatment Outcomes at a Military Neurology Clinic *Jay C. Erickson*

INTRACRANIAL HEMORRHAGE

P03.104 Transfusion of Blood Products and Clinical Outcome in Patients with Intracerebral Hemorrhage *Kachi Illoh, Miriam Morales, James Grotta, Oriji Illoh*

P03.105 A Multicenter Comparison of Outcomes with Nicardipine and Nitroprusside for Treatment of Acute Hypertension in Patients with Intracerebral Hemorrhage: The 'AMUST' Study *M. Fareed K. Suri, Mustapha Ezzeddine, Adnan I. Qureshi*

P03.106 Early Hemorrhagic Transformation of Brain Infarction: Rate, Predictive Factors and Influence on Clinical Outcome. Results of a Prospective Multicenter Study *Maurizio Paciaroni, Giancarlo Agnelli, Francesco Corea, Walter Ageno, Andrea Alberti, Alessia Lanari, Valeria Caso, Sara Micheli, Luca Bertolani, Michele Venti, Francesco Palmerini, Sergio Biagini, Giancarlo Comi, Paolo Previdi, Giorgio Silvestrelli*

P03.107 Brain Volume Increases after Intracerebral Hemorrhage without Clinical Worsening *Allyson Zazulia, Tom Videen, Michael Diringler, William Powers*

P03.108 Hemorrhage in Posterior Reversible Encephalopathy Syndrome (PRES): Imaging and Clinical Features *Behab M. Hefzy, Walter S. Bartynski, John F. Boardman, David Lacomis*

P03.109 Frequent Anti-Hypertensive Treatment during Revascularization Therapy Is Associated with Intracerebral Hemorrhage in the First 24 Hours *Rakesh Khatri, Pooja Khatri, Jane Khoury, Joseph Broderick, Thomas Tomsick, Daniel Woo*

P03.110 Outcome of Patients with Subarachnoid Hemorrhage Presenting with a Hunt-Hess Score of IV, and Endovascular Treatment *Carolina Barnett, Lautaro Badilla, Juan Gabriel Sordo, Eduardo Bravo, Rodrigo Rivera*

P03.111 Intracerebral Hemorrhage with Intraventricular Extension Is a Predictor of Autonomic Instability *Ugo Paolucci, Nizar Souayah, Ahmed El-Gengaihy, David Pariella, Jawad F. Kirmani*

P03.112 Thalamic Hemorrhage: Analyses on Causes and Short-Term Outcome *Erwin Chiquete, Miguel A. Andrade-Ramos, Lucia E. Alvarez-Palazuelos, Carmen Ruiz-Sandoval, Jose L. Ruiz-Sandoval*

P03.113 Estradiol for the Prevention of Cerebral Vasospasm Following Aneurysmal Subarachnoid Hemorrhage *Chethan P. Venkatasubba Rao, Renee Stacey, Ronald Strickler, Donald Seyfried, Brian Silver*

CEREBROVASCULAR DISEASE

P03.114 Prodromal Headache among Patients with Acute Ischemic Stroke *Gal Ifergane, Iris Shiran, Victor Novack, Itzik Wirguin*

P03.115 Family Physicians' Awareness and Approach Regarding Stroke in Pakistan *Mohammad Wasay, Adnan Yousuf, Iqbal Azam, Bhojo A. Khealani, Abdul Malik, Anwar Haq*

P03.116 Reactive Microglia in the Hypothalamus after Glutamate Administration *Eric Avila, Gerardo Rivera*

P03.117 Intraoperative EEG during Carotid Stenting: A Prospective Evaluation of the High Risk Patients *Akram Shhadeh, Syed Hosain, Dan Swami, Ammar AlKawi, Jawad F. Kirmani*

P03.118 Paroxysmal Atrial Fibrillation in Cryptogenic Stroke *Majaz Moonis, Kevin Kane, Marc Fisher*

P03.119 Neuropsychological Findings in Intracerebral Hemorrhage *Carmen Ruiz-Sandoval, Yunuen Resendiz-Ramirez, Erwin Chiquete, Carolina Leon-Jimenez, Teresita Villaseñor-Cabrera, Jose L. Ruiz-Sandoval*

P03.120 Detection of Paroxysmal Atrial Fibrillation in Patients after Cerebral Ischemic Events with Transtelephonic ECG Monitoring *Nicolas Gaillard, Boris Vilotjevic, Sandrine Deltour, Antonin Hornych, Anne Leger, Sophie Crozier, Robert Frank, Yves Samson*

P03.121 Midline Shift Following Ventriculostomy: A Fatal Complication *Wei Tang, Sushant Kale, James Schmidley, Salah Keyrouz*

P03.122 Clinical Predictors of Malignant Middle Cerebral Artery Syndrome: A Retrospective Chart Analysis *Hemalatha Narra, Douglas A. Dulli*

P03.123 Predictors of Hemorrhagic Infarct in Superior Sagittal Sinus Thrombosis *Srikanth Muppidi, Dinesh Sharma, Farhan Siddiq, David Brock, Carissa Pineda, Rodney Bell*

CEREBROVASCULAR ATHEROSCLEROSIS: DIAGNOSIS AND MANAGEMENT

P03.124 ¹¹¹Inidium Labeled Platelets in a Preclinical Carotid Injury Model Using Cutting Balloons *Afshin Divani, Ankur Patel, Lionel S. Zuckier, Francesco Grippo, Adnan Qureshi, Narendra Tandon*

P03.125 Vertebral Artery Ostial Stenting as a Safe and Effective Modality for Symptomatic Patients Unresponsive to Medical Therapy *Michael Katsnelson, Robert Koenigsberg, Dan Gzesh*

P03.126 Thrombotic Cerebrovascular Disease Related to Hormone Therapy in Women *Natalia Paoli, Guido J. Falcone, Macarena I. De la Fuente, Javier Moschini, Sebastian Ameris*

P03.127 Evaluation of Circle of Willis Variations with 64-Slice CT Angiography *Qi Li, Peng Xie, Fajin Lv, Tianyou Luo*

P03.128 High Incidence of Intracranial Atherosclerosis in Patients with Acute Ischemic Stroke *Andrew Xavier, Reena M. Nanjireddy, Sunil Manjila, Maggie Jones, Ramesh Madhavan*

P03.129 Diabetes Is Associated with Intracranial Large Artery Disease among Ethnic Chinese but Not Ethnic South Asian Ischemic Stroke Patients *Deidre A. De Silva, Fung-Peng Woon, Moi-Pin Lee, Hui-Meng Chang, Christopher Chen, Meng-Cheong Wong*

P03.130 Expanding Applications of Intracranial Wingspan Stent in Acute Cerebral Ischemia *Steven L. Hoover, Avik Sarkar, Akram Shhadeh, Jawad F. Kirmani*

P03.131 Ipsilateral Axial Lateropulsion as an Initial Symptom of Lateral Medullary Infarction: A Case Report *Hyun-Jung Kim, Young-Eun Huh, Mi-Young Oh, Hyung-Min Kwon, Yong-Seok Lee*

P03.132 Effect of Cigarette Smoking on Outcomes of Acute Ischemic Stroke Patients Treated with Intra-Arterial Thrombolysis: Is There Any Paradox in the Brain? *Haitham M. Hussein, M. Fareed K. Suri, Mohamed Abdelmoula, Yousef Mohammad, Adnan I. Qureshi*

P03.133 Correlation between the Ultrasonographic and Perioperative Macroscopic Finding in the Differentiation of Acute Internal Carotid Artery Occlusion *Roman Herzig, David Skoloudik, Michal Kral, Daniel Sanak, Petr Bachleda, Petr Utikal, Pavel Havranek, Stanislav Burval, Jana Chmelova, Ivanka Vlachova, Jana Zapletalova, Andrea Bartkova, Jan Mares, Petr Hlustik, Miroslav Herman, Michal Bar, Petr Kanovsky*

NEURO-ONCOLOGY I

P03.134 Cognitive Impairment in Women Newly Diagnosed with Breast Cancer *Michael J. Boivin, Stephanie S. Smith, Pam S. Haan, Laura L. Symonds, Ravi Khattree, Janet C. Osuch*

P03.135 Cognitive Decline in Patients Receiving Different Modalities of Cranial Irradiation *Ismael R. Ali, Doaa H. Mahmoud, Horya M. Saad Allah, Ahmed Gwaly*

P03.136 Intracranial Dural Metastases *Lakshmi Nayak, Fabio M. Iwamoto, Lauren E. Abrey*

P03.137 Myelomatous Meningitis *Marc C. Chamberlain, Michael J. Glantz*

P03.138 A Phase I Study Using Intralumbar Injection of I-131 Sodium Iodide To Treat Leptomeningeal Metastases (LM) *Franklin Wong, Morris Groves, Charles Conrad, Vinaykumar Puduvalli, Christina Meyers, Stella Kim, Farrah Chickeneo, Sudhakar Tummala, Edmund Kim*

P03.139 Squamous Cell Skin Cancer Causing Leptomeningeal Carcinomatosis *Farhan Aslam, Attiya Haque*

P03.140 Multifocal Deficits Due to Tumoral Meningoradiculitis in Chronic Lymphocytic Leukemia *Christian Denier, Gerard Tertian, Vincent Ribrag, Pierre Lozeron, Catherine Lacroix, David Adams*

P03.141 Early Relapses in Primary CNS Lymphoma after Response to Polychemotherapy without Intraventricular Treatment: Results of a Phase II Study *Hendrik J. Pels, Annika Jürgens, Axel Glasmacher, Holger Schulz, Andreas Engert, Michael Linnebank, Gabriele Schackert, Heinz Reichmann, Frank Kroschinsky, Marlies Vogt-Schaden, Gerlinde Egerer, Bode Udo, Carlo Schaller, Monika Lamprecht, Ulrich Bogdahn, Martina Deckert, Rolf Fimmers, Christopher Bangard, Ingo G. H. Schmidt-Wolf, Uwe Schlegel*

P03.142 Early Clinical and Radiological Description of Primary Central Nervous System Lymphoma *Susanne P. K. Barth, Joachim M. Baehring*

P03.143 Primary Central Nervous System Lymphoma in Immunocompetent Patients: Experience in a Neurological Centre in Argentina *Macarena I. De la Fuente, Mariela Amaya, Blanca Diez, Guido J. Falcone, Martin Nogues*

ETHICS, PAIN, AND PALLIATIVE CARE

P03.144 The Efficacy and Safety of Milnacipran in the Treatment of Fibromyalgia Syndrome *R. Michael Gendreau, Daniel J. Clauw, Robert H. Palmer, Olivier Vitton, Philip Mease*

P03.145 Milnacipran for the Treatment of Fibromyalgia Syndrome: A Randomized, Double-Blind, Placebo-Controlled Trial *Daniel J. Clauw, Robert H. Palmer, Kim Thacker, R. Michael Gendreau, Philip Mease*

P03.146 Milnacipran Treatment for Fibromyalgia Syndrome: One-Year Durability of Response *Don Goldenberg, Daniel J. Clauw, Robert H. Palmer, Philip Mease, R. Michael Gendreau*

P03.147 Spinal Cord Stimulation Versus Conventional Medical Management: Preliminary Long-Term Results from the PROCESS Study: A Multi-Center Randomized Controlled Trial Investigating the Treatment of Patients with Failed Back Surgery Syndrome *Richard B. North*

P03.148 Diagnosing Parkinson's Disease: The Impact on Patients and Their Caregivers *Teneille E. Gofton, Mandar S. Jog*

P03.149 One 60-Minute Application of a High-Concentration Capsaicin Patch (NGX-4010) Significantly Reduced Pain for up to 3 Months in Patients with Postherpetic Neuralgia: Results from a Randomized, Double-Blind, Controlled Phase 3 Study *Misha-Miroslav Backonja, Edwin Dunteman, Gordon A. Irving, E. Richard Blonsky, Geertrui F. Vanhove, Shiao-Ping Lu, Jeffrey Tobias*

P03.150 Lacosamide in Patients with Painful Diabetic Neuropathy: A Summary of Adverse Events in Four Double-Blind Randomized Clinical Trials *James Wymer, Dan Ziegler, Kenneth Somerville, Sabine Bongardt*

P03.151 Possible Involvement of Nitrergic Neurotransmission in Duloxetine Mediated Anti-Nociception in Mouse Model of Diabetic Neuropathic Pain *Anurag Kuhad, Kanwaljit Chopra*

P03.152 Botulinum Toxin A for Treatment of Chronic Refractory Neck Pain *Diana Miller, Diana Richardson, Mahmood Eisa, Rizma Bajwa, Bahman Jabbari*

P03.153 A Randomized, Controlled, Open-Label Investigation of the Effect of NGX-4010 on Epidermal Nerve Fiber Density and Sensory Function in Healthy Subjects *Geertrui F. Vanhove, William Kennedy, Mary Ann Sutton, Jeffrey Tobias, Keith Bley, Gwen Wendelschafer-Crabb, Donald Simone, Mona Selim*

P03.154 Efficacy and Tolerability of Tapentadol for Relief of Moderate-to-Severe Chronic Pain Due to Osteoarthritis of the Knee *Christine Rauschkolb-Loeffler, Akio Okamoto, Achim Steup, Claudia Lange*

P03.155 Duloxetine in the Treatment of Intractable Trigeminal Neuralgia *Domenico A. Restivo, Marcello Romano, Antonino Pavone*

P03.156 Efficacy of Tapentadol, a Novel Centrally Acting Analgesic with a Dual Mode of Action, in Animal Models of Chronic Neuropathic Pain *Thomas Christoph, Murielle Méen, Jean De Vry, Thomas M. Tzschentke*

P03.157 Efficacy of Tapentadol, a Novel Centrally Acting Analgesic with a Dual Mode of Action, in Animal Models of Visceral Pain *Klaus Schiene, Babette Kögel, Thomas M. Tzschentke, Jean De Vry, Thomas Christoph*

P03.158 Evaluation of Lacosamide in Diabetic Neuropathic Pain Trials *Aziz Shaibani, Sabine Bongardt, Kenneth Somerville*

PERIPHERAL NERVE: SMALL FIBER NEUROPATHIES AND PAIN

P03.159 Correlation of Epidermal Nerve Fiber Density (ENFD) Changes and Anti-Nociceptive Effect Following Simultaneous Exposure to Static and Time-Varying Electromagnetic Fields (PEMF) in Painful Diabetic Neuropathy (DPN) *Michael I. Weintraub, David N. Herrmann, A. Gordon Smith, Misha M. Backonja, Steven P. Cole*

P03.160 Modeling the Role of Small Fiber Neuropathy on Wound Healing *Christopher Gibbons, Ben M. W. Illigens, Roy Freeman*

P03.161 Diagnosing Diabetic Small Fiber Neuropathy Using the Skin Blister Method *Ioanna Panoutsopoulou, Gwen Wendelschafer-Crabb, Elissaios Karageorgiou, William R. Kennedy*

P03.162 Correlates of Painful Neuropathic Symptoms in HIV Sensory Neuropathy *Carlos A. Luciano, Nivia Hernandez-Ramos, Marla Jordan-Gonzalez, Richard Skolasky, Omayra Gonzalez, Tania Ginebra, Alma Camacho, Enid Castillo*

POSTER SESSION III

TUESDAY, APRIL 15 / 4:00 P.M.–7:30 P.M.

FIRST AUTHORS STAND BY POSTER FROM 6:00 P.M.–7:30 P.M.

P03.163 Clinical and Electrophysiologic Findings in Cryptogenic Sensorimotor Polyneuropathy Compared to Diabetic Polyneuropathy and Normal Controls *Mamatha Pasnoor, Anh Pham, Laura Herbelin, Richard Barohn*

P03.164 Weakness, Pain and Ambulation Difficulty Are Potential Risk Factors for Motor Vehicle Accidents in Patients with Neuropathy *Tina N. Nguyen, Anil Rama, Hans D. Katzberg, Jonathan S. Katz, Yuen T. So, S. Charles Cho*

P03.165 Effect of Pregabalin on Dynamic Allodynia in Patients with Postherpetic Neuralgia (PHN): Results from a Double-Blind, Randomized, Controlled Trial (RCT) *Jeannette Barrett, Rainer Freynhagen, Brett Stacey, Ed Whalen, Kem Phillips, Kevin Murphy*

P03.166 Pregabalin and Central Sensitization in Chronic Pain Syndromes: Evidence Supporting a Common Pharmacologic Effect *Michael Tuchman, Jeannette Barrett, Edith Durso-DeCruz, Kevin Murphy*

P03.167 Duloxetine in the Management of Chronic Pain *Amy Chappell, Jerry Hall, Vladimir Skljarevski*

P03.168 Botulinum Toxin A Induces Long Term Analgesic Effects on Neuropathic Pain: A Randomized Placebo Controlled Study *Nadine Attal, Danièle Ranoux, Françoise Morain, Bouhassira Didier*

PERIPHERAL NERVE: ASSORTED NEUROPATHIES

P03.169 Intraoperative Monitoring of Peripheral Nerve Function *Tatyana Kushner, Dale Lange, Jess Ting*

P03.170 Effects of Lipopolysaccharide, EDTA, and Glucose, on Muscle Cell Viability in Culture Relevant to the Conditions of Sepsis, Hypocalcemia, and Hyperglycemia in the Development of Critical Illness Myopathy *Jason Grieshaber, Xin Gao, Jin Luo*

P03.171 Elevated B6 Levels and Peripheral Neuropathies *Stamatia A. Zeris, Kevin Scott, Milind J. Kothari*

P03.172 Does the Mode of Minocycline Delivery Determine the Recovery from Partial Nerve Injury? *James M. Kerns, Jeffrey S. Kroin, Mark H. Gonzalez*

P03.173 Is Hyperhomocysteinemia (HHcy) an Independent Risk Factor for Peripheral Neuropathy? *Amer Nouh, Jin J. Luo*

P03.174 Life-Table Analysis of Peripheral Neuropathy after Bariatric Surgery: A Retrospective Cohort Study of Patients Who Had Surgery Performed at One Institute *Pariwat Thaisethawatkul, Maria L. Collazo-Clavell, Michael G. Sarr, Jane E. Norell, P. James B. Dyck*

P03.175 Peripheral Nerve Injuries (PNIs) Following Total Hip (THR) and Knee Replacement (TKR) Surgeries: Risk Factors and the Hospital for Special Surgery (HSS) Experience *Anita Wu, Teena Shetty, Nguyen Joseph, Zulfiqar Hussain, Moris J. Danon*

P03.176 Radiation Induced Brachial Plexopathy Following Locoregional Irradiation for Breast Cancer: Clinical and Electrophysiologic Findings *Kristine M. Chapman, Lorna Wier, Caroline Chung*

P03.177 Post-Irradiation Lumbosacral Radiculopathy with Multiple Spinal Root Cavernomas Mimicking Carcinomatous Meningitis *Pierre-Francois Pradat, Remy Guillevin, Dimitri Psimaras, Marc Sanson, Karima Mokhtari, Sylvie Delanian, Soledad Navarro, Thierry Maisonobe, Philippe Cornu, Khe Hoang-Xuan, Jean-Yves Delattre, François Ducray*

P03.178 Evaluation of Peripheral Nerve Involvement in Patients with CADASIL Using Nerve Conduction Study *Jung-Hwan Oh, Bong-Su Kang, Khanhee Erm, Jin-Soo Kim, Kang Park, Jung Seok Lee, Jay Chol Choi, Ji-Hoon Kang, Sa-Yoon Kang*

PERIPHERAL NERVE

P03.179 Efficacy and Safety of Ralfinamide in a 8-Week, Randomised, Double-Blind, Placebo Controlled, International Trial in Patients with Neuropathic Pain (NP). Ralfinamide 001 Study Group *Ravi Anand, Stefano M. Rossetti, Paolo Marchettini, Burkhard Gustorff, Rodolfo Guliani, Erminio Bonizzoni, Munaf Ali, Mick Serpell*

P03.180 Burden of Illness in Indian Patients with Neuropathic Pain: Results of a Cross-Sectional Study *Tapas K. Banerjee, IndiNeP Study Group*

P03.181 Acquired Severe Polyneuropathy in Non-Intubated Patients of Intensive Care Unit (ICU): Is This a Subtype of Critical Illness Polyneuropathy (CIP)? *Wen-Ying Wu-Chen, Chunyang Wang, Jin Luo*

CLINICAL NEUROPHYSIOLOGY: NEUROPATHY

P03.182 Relevance of FWave Abnormality in Focal Neuropathies *Harneet Singh, Krishna Mettu, Upinder Dhand*

P03.183 Normal Ulnar Sensory Nerve Conduction Studies in Electrophysiologically Proven Ulnar Neuropathy at the Elbow May Not Be So Normal *Ales Hlubocky, Eduard Minks, Martin Bares, Benn E. Smith*

P03.184 Clinical, Electrophysiological and Pathological Studies in Late Infantile Metachromatic Leukodystrophy *Christian Krarup, Christine I. Dali, Henning Schmalbruch, Allan M. D. Lund, Christian Friis, Jens Fogh*

P03.185 Which Transcarpal Conduction Technique Is the Best for Electrodiagnosis of Carpal Tunnel Syndrome? *Ming-Hong Chang*

P03.186 Repetitive Components of Compound Motor Action Potential in DMI Patients *Anna Modoni, Gabriella Silvestri, Marcella Masciullo, Maria Lucia Mereu, Pietro Tonali, Mauro Lo Monaco*

CLINICAL NEUROPHYSIOLOGY: MUSCLE AND NMJ

P03.187 Post-Exercise Exhaustion Is Observed at the Different Time after Exercise in MG *Ferah Kizilay, Angela Young, Shin J. Oh*

P03.188 Differential Orbicularis Oculi Involvement in Neuromuscular Junction Dysfunction *Eleftherios S. Papathanasiou, Eleni Zamba-Papanicolaou*

P03.189 QST in Neuropathic Pain: Retrospective Study in 108 Patients *Antoine Guéguen, Philippe Convers, Dominique Bertrand, Bernard Laurent*

P03.190 The Generator of Spontaneous Muscle Activity Following Upper Motor Neuron Injury Is Distal *Howard Sander, Nataliya Krivitskaya, Tatyana Yuzbashyan, Peter Saadeh, Nazsa Baker, Nizar Souayah*

P03.191 Electrical Impedance Myography: A Potential Alternative to Needle Electrode Examination in the Evaluation of Carpal Tunnel Syndrome *Andrew W. Tarulli, Lindsay R. Garmirian, Anne B. Chin, Seward B. Rutkove*

P03.192 Clinical and Electrophysiologic Findings in Patients with Radiating Neck Pain: When Is the EMG Helpful? *Wendy Chao, Lyell Jones*