

POSTER SESSION VII

THURSDAY, APRIL 17 / 11:30 A.M.–2:30 P.M.

FIRST AUTHORS STAND BY POSTER FROM 12:00 P.M.–1:30 P.M.

CDH, CADASIL, HYPNIC HEADACHE

P07.001 A Comparative ID Migraine Screener Study in Ophthalmology, ENT, and Neurology Outpatient Clinics *Mustafa Ertas, Betul Baykan*

P07.002 Migraine with Neurologic Symptoms in Children: Is an Extensive Evaluation Needed? *Catalina Cleves, Neil Friedman, A. Rothner*

P07.003 Hypnic Headache: A French Prospective Clinical Descriptive Study *Anne Donnet, Michel Lanteri-Minet*

P07.004 Acute Confusional Episodes Associated with Migraine May Be the Presenting Feature of CADASIL *Edgar T. De Peralta, Gregory Pastores, Edwin H. Kolodny, Swati Sathe*

P07.005 Arachnoid Cysts in Children with Headache *Lori Billingshurst, A. David Rothner*

P07.006 Frontal Function Impairment in Patients with Chronic Daily Headache and Analgesic Overuse *Marian Gomez Beldarrain, Lara Ruiz Alvarez, Ainara Gonzalez Astorgano, Amaia Bilbao Gonzalez, Maria Carrasco, Juan Carlos Garcia-Monco*

P07.007 Economic Burden of Transformed Migraine (TM): Results from the American Migraine Prevalence and Prevention (AMPP) Study *Julie Munakata, Elisabeth Hazard, Daniel Serrano, David Klingman, Marcia Rupnow, Jonathan Tierce, Michael Reed, Richard Lipton*

P07.008 A Comparison of the Comorbid Disorders of Subjects with New Daily Persistent Headache and Transformed Migraine Suggests Similar Underlying Physiology *Jacqueline E. Scena, William L. Cohen, Cristina M. Stingo, Amanda L. Jagolino, William Young*

P07.009 New Daily Persistent Headache: A New Venous Disease? *Anne Donnet, Olivier Levrier*

P07.010 Doxycycline for Treatment Resistant New Daily Persistent Headache *Todd D. Rozen*

P07.011 A Comparison of Clinical Features of Subjects with New Daily Persistent Headache and Transformed Migraine Suggests Similar Underlying Pathophysiology *William L. Cohen, Jacqueline E. Scena, Amanda L. Jagolino, Cristina M. Stingo, William Young*

P07.012 Fibromyalgia Comorbidity as a Prognostic Factor in Primary Headaches *Marina De Tommaso, Sardaro Michele, Claudia Serpino, Paolo Livrea*

P07.013 Personality Profile and Allodynic Migraine *Carlo Lovati, Arianna Brambilla, Pierluigi Bertora, Elisa Capiluppi, Claudio Mariani*

P07.014 Transformed Migraine with Medication Overuse That Needs Inpatient Treatment: Experience in 46 Patients *Mario J. Halfon, Jorge E. De Sousa*

P07.015 Psychopathology and Quality of Life in Medication Overuse Headache: Differences between Patients Reporting Migraine or Tension Type Headache *Sophie Rimbaux, Sylvie Roux, Séverine Debais, Alain Autret*

P07.016 White Matter Abnormalities in Migraine and Tension-Type Headache *Nayoung Kim, Suntae Hwang, Ja-Seong Koo, Ohyun Kwon, Jong-Moo Park, Jungju Lee, Byung-kun Kim*

HEADACHE: CSF, BMI, MECHANISM OF ACUTE TREATMENTS

P07.017 Antiphospholipids Antibodies and Migraine: A True or Casual Association *Yakub W. Nyandaiti, Sunday A. Bwala, Amos A. Gadzama, Wadzani Gashau*

P07.018 Oligomerization State-Dependent Elevations of the Adipocytokine, Adiponectin, in Chronic Daily Headache *B. Lee Peterlin, Guillermo M. Alexander, David S. Tabby, Erin Reichenberger*

P07.019 Activities of Cerebrospinal Fluid Enzymes That Metabolize Endocannabinoids Are Altered in Migraine *Alfred N. Fonteh, Rainbow Chung, Tara Sharma, Roger G. Biringer, Andreas H. Huhmer, Robert Cowan, Michael G. Harrington*

P07.020 Migraine and Obesity – The Effect of Bariatric Surgery *Gal Ifergane, Neta Loewenthal, Yoseph Lahoud, Anat Horev, Victor Novack, Itzik Wirguin, Leonid Lantsberg*

P07.021 Self-Reported Versus Measured Body Mass Indices in Migraineurs *Michael J. Katsnelson, Barbara Lee Peterlin, Kirsten L. Erwin, Guillermo M. Alexander*

P07.022 Triptans Attenuate Capsaicin-Induced CREB Phosphorylation within the Trigeminal Nucleus Caudalis: A New Marker for Activated Trigeminal Neurons *Dimos Dimitrios Mitsikostas, Yolande E. Knight, Michele Lasalandra, Nikolaos Karantzas, Peter Goadsby*

P07.023 Effect of Intranasal Delivery of Carbon Dioxide on Trigeminal Ganglion Neurons: Inhibition of Neuron-Glia Gap Junction Communication and SNAP-25 Expression *Paul L. Durham, Stanka M. Kankipati, Srikanth Thalakoti, Srikanth Damodaram*

CSF LEAKS AND REVERSIBLE CEREBRAL VASOCONSTRICTION SYNDROMES

P07.024 Comparisons between Heavily T2-Weighted MR and CT Myelography Studies in Two Patients with Spontaneous Intracranial Hypotension *Ping-Huang Tsai, Jong-Ling Fuh, Jiing-Feng Lirng, Shuu-Jiun Wang*

P07.025 Reversible Cerebral Vasoconstriction Syndrome: Report of a Case Treated Successfully with Intra-Arterial Milrinone *Manon Bouchard, Steve Verreault, Jean-Luc Gariépy, Nicolas Dupré*

P07.026 Reversible Cerebral Vasoconstriction Syndrome and Occipital Lobe Infarction after Triptan Use *Bert B. Vargas, David Dodick*

P07.027 Reversal of Coma from Spontaneous Intracranial Hypotension by Lumbar Epidural Blood Patch in Trendelenburg Position *Enrico Ferrante, Ines Arpino, Alberto Citterio, Anna Savino, Roberto Sterzi*

P07.028 Clinico-Pathological Study in Chronic Hypertrophic Pachymeningitis *Saori Miyakawa, Takahiro Iizuka, Shinpei Yabuki, Atsuko Hara, Yoko Takiyama, Junichi Hamada, Fumihiko Sakai*

P07.029 Targeted Epidural Blood Patch with Computerized Tomography-Myelography in Spontaneous Intracranial Hypotension *Jun Lee, Sejin Lee, Hyungjeong Park, Hanwon Jang*

P07.030 Potential Reduction in Headache Rate and Cost of Care Following Lumbar Puncture at a Single Tertiary Care Hospital *Youssef Dakka, Nader Warra, Albadreen Rawan, Brian Silver, Lonnie Schulz*

P07.031 Burden of Migraine Headache in Three U.S. Employers before and after an Employee Education Program *Matthew J. Page, L. Clark Paramore, Dilesh Doshi, Marcia F. T. Rupnow*

P07.032 Final Analysis of the American Headache Society Objective Simulated Computer Encounters for Assessing the ACGME Competencies *David Capobianco, David Dodick, Jonathan Gladstone, Elizabeth Loder, Allan Purdy, Nabih Ramadan, Todd Schwedt, Stephen Silberstein, Lisa Bance, Jeffery Clough, Neil Goldfarb, Kathryn Kash, Brian Leas, David Nash, Alexandria Skoufalos*

P07.033 What Are the Action Mechanisms of Lumbar Epidural Blood Patch in Trendelenburg Position in the Treatment of Spontaneous Cervical CSF Leakage? *Enrico Ferrante, Ines Arpino, Alberto Citterio, Anna Savino, Roberto Sterzi*

MENSTRUAL MIGRAINE, ACUTE TREATMENT, AND MECHANISMS

P07.034 Current Acute Migraine Treatment Patterns: How Prevalent Is Early Intervention and Multiple Medication Use? *Richard Lipton, David Dodick, Lawrence Newman, Margaret Good, Michael Runken*

P07.035 Evaluation of Combination Therapy (Sumatriptan/Naproxen Sodium) Versus Monotherapy for the Acute Treatment of Migraine Using a Novel Clinical Endpoint: Sustained Pain Free and No Adverse Events *Stephen Landy, Jonathan D. White, Shelly E. Lener, Susan A. McDonald*

P07.036 A Sub-Study To Evaluate the Role of Prostaglandins in Women with Menstrual Migraine and Dysmenorrhea and the Effect of Sumatriptan/ Naproxen Sodium (SumaRT/Nap) When Administered during the Mild Pain Phase *Paul L. Durham, Carrie V. Vause, Frederick Derosier, Susan McDonald, Roger Cady, Vincent Martin*

P07.037 Incidence of Migraine across the Menstrual Cycle in Women with Difficult-to-Treat Menstrual Migraine *A. A. MacGregor, John Campbell, Kevin Ryder, Kristine W. Schuler, Bert DeJong*

P07.038 Assessing the Relationship of Functioning to Pain Endpoints in Migraine Sufferers Treated with a Single-Tablet of Sumatriptan RT™ and Naproxen Sodium (SumaRT/Nap) Versus Placebo *Stephen Landy, James Adelman, Roger Cady, Jonathan White, Andrew Nelsen, Michael C. Runken*

P07.039 Intranasal Sumatriptan Powder Delivered with a New Device Is as Effective as 6 mg SC Sumatriptan in Preventing GTN Challenge Induced EEG Changes in Migraineurs *Remy Luthringer, Colin D. Sheldrake, Anthony Flint, Per G. Djupesland*

P07.040 A Double-Blinded, Placebo-Controlled, Cross over Study of Ketamine, Fentanyl and Diazepam in Experimental Pain in 21 Healthy Males
Juana C.A. Marin, Evelyn Kinsella, Holger Kaube, Peter J. Goadsby

P07.041 Sustained Pain Relief in Migraine Is Not Necessarily Dependent on the PK of a Drug and Does Not Have To Be at the Cost of Rapid Onset of Relief
Shashidhar Kori, Stephen Shrewsbury, Sheena Aurora

P07.042 Relief of Menstrual Symptoms and Migraine after Early Treatment with a Fixed Single-Tablet Formulation of Sumatriptan with RT Technology™ and Naproxen Sodium (SumaRT/Nap)
Vincent Martin, Lisa K. Mannix, Jeanne Ballard, Frederick J. Derosier, Shelly E. Lener, Susan A. McDonald

ACUTE STROKE

P07.043 Partial Versus Full Dose Intravenous Recombinant Tissue Plasminogen Activator Followed by Intra-Arterial Thrombolytic Therapy for Acute Ischemic Stroke
Qaisar A. Shah, Adnan I. Qureshi

P07.044 How Often Do Patients with Positive Xanthochromia and Normal CT Have a Ruptured Aneurysm?
Stefan Dupont, Eelco Wijdicks, Edward Manno, Alejandro Rabinstein

P07.045 Long-Term Outcome after Intravenous Thrombolysis in Vertebrobasilar Ischemic Stroke without Occlusion of the Basilar Artery
Tam Bui, Michael Daffertshofer, Stefan Schwarz

P07.046 Does Stroke Patient's Weight Influence the Response to Intravenous t-PA?
Min Lou, Magdy Selim

P07.047 Effects of NIHSS Score Errors on Accuracy of Prediction in rtPA Treated Stroke Patients: A Simulation Study
Gurkan Mutlu, Jean-Yves Mary, Charlotte Rosso, Sandrine Deltour, Sophie Crozier, Anne Leger, Christine Pires, Yves Samson

P07.048 Magnetically-Guided In Vivo Thrombolysis with tPA-Loaded Nanocarriers
Axel J. Rosengart, Michael D. Torno, Michael D. Kaminski

P07.049 Comparison of Outcome of Patients Treated with IV TPA in a "Drip and Ship" Model in Rural Hospitals Initially Triage by Neurologists vs. Stroke Neurologists
David Wang, Arun Talkad, Maureen Mathews, Judith Beck, Jan Jahnel, Sunil Chauhan, Jean Rose-DeRenzy

P07.050 Prediction of Outcome in rtPA Treated Stroke Patients: Comparison of Logistic Regression and Classification and Regression Trees Models
Gurkan Mutlu, Jean-Yves Mary, Charlotte Rosso, Sandrine Deltour, Sophie Crozier, Anne Leger, Christine Pires, Yves Samson

P07.051 Multimodal Interventional Approach to Acute Ischemic Stroke: A Cleveland Clinic Experience
Ashish Nanda, Michael Kelly, Derk Krieger, Anthony Furlan

P07.052 Identification of Stroke Mimics in the Emergency Department Setting
W. Oliver Tobin, Joe Hentz, Bentley J. Bobrow, Bart Demaerschalk

P07.053 Is There a Role for CT-Angiography in the Initial Evaluation of Acute Stroke Patients?
Ilan Shelef, Avi Sabag, Gal Ifergane, Dan Greenberg, Itzik Wirguin

CRITICAL CARE/EMERGENCY NEUROLOGY/TRAUMA II

P07.054 Validation of Korean Version of the FOUR Score
YoungSeo Koo, Jee Hoon Roh, Do Young Kwon, Sung Wook Yoo, Kyungmi Oh, Byung-Jo Kim, Kun-Woo Park, Ki-Young Jung

P07.055 The Effect of Mechanical Disruption of Thrombus during Intra-Arterial Thrombolysis for Patients with Acute Ischemic Stroke
Yousef Mohammad, Haitham M. Hussein, Gregory Christoforidis, M. Fareed K. Suri, Adnan I. Qureshi

P07.056 Warfarin Use and Symptomatic Intracranial Hemorrhage Following Intravenous Tissue Plasminogen Activator for Ischemic Stroke: A Single Center Experience
Shyam Prabhakaran, Fred Rincon, Juan Rivalta, Joshua Stillman, Randolph Marshall, Ji Chong

P07.057 Beta-Trace Protein as a Marker for Cerebrospinal Fluid Leakage
David Dolezil, Ludmila Nováčková, Viera Dolezilová

P07.058 Is Early Arrival to the Hospital after Symptom Onset Associated with Better 3 Month Outcomes in Patients Not Treated with Thrombolytics?
Gustavo J. Rodriguez, Gabriela Vazquez, M. Fareed K. Suri, Mustapha Ezzeddine, Harold Adams, Adnan I. Qureshi

P07.059 Prevalence of Elevated Blood Pressure in Adult Patients Presenting to the Emergency Department in the United States
Gabriela Vazquez, Kamakshi Lakshminarayan, M. Fareed K. Suri, Mustapha Ezzeddine, Adnan I. Qureshi

P07.060 Targeting of Cell Death In Vivo in Experimental Traumatic Brain Injury by a Novel Molecular Probe
Ayelet Reshef, Anat Shirvan, Esther Shohami, Hagit Grimmer, Galit Levin, Avi Cohen, Victoria Trembovier, Ilan Ziv

P07.061 Review of Phenytoin and Levetiracetam Use in the Neurological Intensive Care Unit at Loyola University Medical Center
Chaudhry Frasad, Rebecca Gillani, Micheal P. Macken, Michael Schneck

P07.062 Superselective Intra-Arterial Magnesium for the Treatment of Arterial Vasospasm in Patients with Subarachnoid Hemorrhage
Qaisar Shah, Muhammad Zeeshan Memon, M. Fareed K. Suri, Gustavo Rodriguez, Osman Kozak, Adnan I. Qureshi

P07.063 Sporadic Creutzfeldt-Jakob Disease Revealed by Pseudostatus Epilepticus: A Study of 10 Patients
Bertrand Lapergue, Sophie Demeret, Violaine Denys, Jean-Louis Laplanche, Marc Verny, Jean-Jacques Hauw, Francis Bolgert, Jean-Philippe Brandel, Vincent Navarro

P07.064 Is Tongue Weakness an Indicator of Bulbar Dysfunction and Respiratory Failure in Guillain-Barré Syndrome? A Pilot Study
David Orlikowski, Nicolas Terzi, Marc Blumen, Tarek Sharshar, Jean Claude Raphael, Djilali Annane, Frédéric Lofaso

P07.065 CLEAR IVH: A Comparison of CSF Disposition of Two Different Dosing Regimens of Intraventricular rt-PA
Denise H. Rhoney, Carolyn Mammen, Marc LaPointe, William Coplin, Penelope Keyl, Nichol McBee, Karen Lane, Daniel F. Hanley

P07.066 Fulminant Guillain-Barre Syndrome Mimicking Cerebral Death: Case Reports and Literature Review
Mohammed F. Rehman, Ximena Arcila-Londono, Gurjeet Singh, Tamer Abdelhak

P07.067 Intracerebral Hemorrhage – Predictors of Withdrawal of Care
Viktor Szeder, Santiago Ortega-Gutierrez, Marta Lopez-Vicente, Thomas Wolfe, Victor Diaz-Cotrina, Linga Reddy, Michel Torbey

P07.068 BEST "Better Early Stroke Treatment": Implementation of Nursing Questionnaire Aids in Triage of Acute Ischemic Stroke Patients
Ann Hoff, Ayman Yassa, M. Fernanda Bellolio, Lekshmi Vaidyanathan, Rahul Kashyap, Sailaja Enduri, Smitha Suravaram, Robert Brown, Wyatt Decker, Latha Stead

P07.069 Complications of Large Volume Plasmapheresis in Neurological Disorders – An Indian Scenario
O. K. Sujith, A. S. Giriya, Abdu Rahman, R. S. Raj, James Jose

P07.070 Diffusion-Weighted MR Imaging in Closed Head Injury: Identification of Distinct Injury Subtypes and Correlation with Functional Outcome
Rebecca R. Ayala, Shelley Redfern, Kan Ding, Carol Moore, Caryn Harper, Christopher J. Madden, Ramon Diaz-Arrastia

P07.071 2T or Not 2T? Advantages of a New Coma Scale (FOUR Score) over the Glasgow Coma Scale
Eelco F. Wijdicks, Alejandro A. Rabinstein, Edward M. Manno, William R. Bamlet

P07.072 Prognostic Value of Transcranial Doppler Ultrasound in the Early Phase of Aneurysmal Subarachnoid Hemorrhage
Emmanuel Carrera, J. Michael Schmidt, Mauro Oddo, Luis Fernandez, Noeleen D. Ostapkovitch, Errol Gordon, Jan Claassen, Fred Moore, David Seder, Lee Kiwon, Neeraj Badjatia, Sander Connolly, Stephan Mayer

P07.073 Fever Is an Acute Neurotoxin after Subarachnoid Hemorrhage
Andrew M. Naidech, Michael L. Ault, Bernard R. Bendok, H. Hunt Batjer, Charles M. Watts, Richard Bernstein, Mark J. Alberts, Thomas P. Bleck

P07.074 Intracranial Hemorrhage – Predictors of Outcome in a Closed Versus Semi-Closed Neurointensive Care Unit
Santiago Ortega-Gutierrez, Viktor Szeder, Marta Lopez-Vicente, Thomas Wolfe, Victor Diaz-Cotrina, Linga Reddy, Michel Torbey

P07.075 Subtypes of Traumatic Brain Injury: Correlation of CT Features with Clinical Phenotypes
Jason R. Martin, Bram Jacobs, Margaret Hewlitt, Carol Moore, Caryn Harper, Chelsea Rasmussen, Christopher J. Madden, Pieter Vos, Ramon Diaz-Arrastia

P07.076 Prolonged EEG Monitoring in Comatose Patients: When We Should Stop
Niranjan N. Singh, Kitti Kaiboriboon

NEUROLOGIC MANIFESTATIONS OF SYSTEMIC DISEASE II

P07.077 Small Fiber Neuropathy Following Vaccination for Rabies or Lyme Disease
Russell Chin, Natalia Krivitskaya, Thomas Brannagan, Howard Sander, Nizar Souayah

P07.078 Bulbar Neuronopathy and Baroreflex Failure as Late Sequelae of Neck Irradiation
Sara Schrader, Brent Goodman

P07.079 A Case-Series of Extra and Central Pontine Myelinolysis (n=12): Lessons from a Heterogeneous Disorder
Céline Odier, Dang K. Nguyen, Michel Panisset

POSTER SESSION VII

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FIRST AUTHORS STAND BY POSTER FROM 12:00 P.M.–1:30 P.M.

P07.080 Diffusion-Weighted MR Imaging Findings in Wernicke's Encephalopathy *Jee Hoon Roh, Ji Hyun Kim, Seong-Beom Koh, Kiyung Jung, Moon Ho Park, Jin Sang Jung*

P07.081 Cervical Myelopathy Following Injections into the Neck: Report of Three Cases *Jeffrey Ralph, Robert Layzer*

P07.082 An Unusual Cause of Visual Loss *David Bradley, Niamh Bermingham, Anthony Cullinane, Catherine Keohane, Brian Sweeney*

P07.083 CNS Vasculitis as a Manifestation of Systemic Sclerosis *Corey Goldsmith, Joseph Kass*

PERIPHERAL NERVE: INFLAMMATORY: ANTIBODY MEDIATED NEUROPATHIES

P07.084 Oral Methotrexate in Multifocal Motor Neuropathy Patients Treated with IVIg *Eduardo Nobile-Orazio, Fabrizia Terenghi, Dario Cocito, Chiara Casellato*

P07.085 Multifocal Motor Neuropathy, a Population-Based Study in The Netherlands *Elisabeth A. Cats, Willem L. van der Pol, John Wokke, Renske Van Den Berg-Vos, Hessel Franssen, Leonard Van den Berg*

P07.086 Anti-Ganglioside Autoantibodies Profiling in Patients with Autoimmune Peripheral Neuropathies by a New Line Immunoassay *Hauke Schneider, Karsten Conrad, Tjalf Ziemssen, Rene Louis Humbel, Dirk Roggenbuck*

P07.087 Chronic Demyelinating Polyneuropathy Associated with IgM Monoclonal Gammopathy without Anti-MAG Antibodies: Clinical, Electrophysiological and Laboratory Findings in 18 Cases *Jean-Marc Léger, Steven Vargas, Jean Neil, Emmanuel Fournier, Karine Viala, Thierry Maisonnobe, Pierre Bouche, Jean-Michel Vallat*

P07.088 Long Term Outcome and Prognostic Factors of Polyneuropathy Associated with IgM Monoclonal Gammopathy *Jikke M. F. Niermeijer, Kathelijne Fischer, John Wokke, Nicolette Notermans*

P07.089 Beneficial Effects of Rituximab in Patients with Anti-MAG Neuropathy *Peter Siao-Tick-Chong, Nizar Souayah*

P07.090 New 10% Liquid Intravenous Immunoglobulin in Multifocal Motor Neuropathy: Prospective Study of Efficacy, Safety and Tolerability *Elisabeth A. Cats, Willem L. van der Pol, John Wokke, Renske Van Den Berg-Vos, Hessel Franssen, Leonard Van den Berg*

P07.091 Different Patterns of Cytokines Are Associated to Chronic Dysimmune Polyneuropathies *Maira Gironi, Marina Saresella, Alberto Angelini, Isabella Marventano, Ettore Beghi, Franca Guerini, Giovanni Antonini, Lara Ceresa, Enrica Mariani, Stefania Morino, Pasquale Ferrante, Raffaello Nemni*

P07.092 Peripheral Neuropathy in Newly Diagnosed Multiple Myeloma Patients *Martin Ballegaard, Peter Gimsing*

P07.093 Long-Term Safety Profile of Immune Globulin Intravenous, 10% Caprylate/Chromatography Purified (IGIV-C; Gamunex®) Therapy in the Treatment of Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) *Peter D. Donofrio, Vera Bril, Marinos Dalakas, Chunqin Deng, Kim Hanna, Hans Hartung, Richard Hughes, Norman Latov, Ingemar Merkies, Pieter Van Doorn*

PERIPHERAL NERVE: INFLAMMATORY: GBS AND CIDP

P07.094 Peripheral Plasmacytosis Predicts Intravenous Immunoglobulin Efficacy in Patients with Guillain-Barré Syndrome *Izumi Mori, Sophie Demeret, Francis Bolgert, Guy Gorochov*

P07.095 Inside Guillain Barré Syndrome (GBS) – The Personal Experience of a Patient Who Is a Consultant in Rehabilitation Medicine *Angela McNamara, Timothy Lynch*

P07.096 Guillain-Barré Syndrome in a Referral Center of Mexico: High Frequency of Hand-Weakness Onset, Axonal and Motor Variants *Jose Luis Ruiz Sandoval, Chichete Erwin, Miguel Angel Andrade Ramos, Lucia Elizabeth Alvarez Palazuelos, Lima Ojeda Juan Manuel Valentin*

P07.097 Nerve Conduction Studies (NCS) in Patients with Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) Treated with Intravenous Immunoglobulin Therapy Versus Placebo *Vera Bril, Hans Katzberg, Marinos Dalakas, Chunqin Deng, Peter Donofrio, Kim Hanna, Hans Hartung, Richard Hughes, Norman Latov, Ingemar Merkies, Pieter Van Doorn*

P07.098 Clinical Analysis of Chronic Inflammatory Demyelinating Polyradiculoneuropathy *Su-Yeon Kim, Hyun-Jung Kim, Sung-Min Kim, Jung-Joon Sung, Kwang-Woo Lee*

P07.099 FTY720 Halts the Progression of Spontaneous Autoimmune Polyneuropathy in B7-2 Deficient NOD Mice *Betty Soliven, Hye Jung Kim, Cha-Gyun Jung, Hyun Bae, Rafael Kakazu, Robert Wollmann*

P07.100 CIDP with Minimal Change Disease: A Possible Clue to Determining Resistant Variants *Movassaghi Babak, Christopher S. Nance, Muhammad Ibrahim, Anthony J. Parravani*

P07.101 Efficacy of Interferon Beta-1a in Patients with Chronic Inflammatory Demyelinating Polyradiculoneuropathy (CIDP) *Kenneth Gorson, Richard Hughes, Didier Cros, John Pollard, Jean Vallat, Katherine Riester, Gudarz Davar, Katherine Dawson, Alfred Sandrock*

P07.102 Sural Nerve Morphology and Morphometry in Aging Rats *Valéria Paula S. Fazan, Luciana S. Sanada, Omar A. Rodrigues Filho, Cláudia D. Jeronimo, André Jeronimo*

P07.103 Fatigue in Peripheral Neuropathy *Thomas H. Brannagan, Frances M. Di Clemente, Eduardo De Sousa, Erik M. Feigen, Russell Chin, Howard Sander, Norman Latov, Bridget Carey*

AUTONOMIC DISORDERS

P07.104 WITHDRAWN

P07.105 Modulation of Baroreflex Sensitivity during Modified Oxford Manoeuvre – Application of the Trigonometric Regressive Analysis for Nonstationary Baroreflex Analysis *Julia Gasch, Heinz Ruediger, Tjalf Ziemssen*

P07.106 A Dynamic Analysis of Sudomotor Function Using QDIRT in a Human Model of Small Fiber Neuropathy *Ben M.W. Illigens, Christopher Gibbons, Roy Freeman*

P07.107 The Cutaneous Architecture of Autonomic Nerve Fiber Innervation *Ningshan Wang, Christopher Gibbons, Ben M.W. Illigens, Roy Freeman*

P07.108 A Comparison of the Quantitative Sudomotor Reflex Test with Skin Biopsy in Diagnosing Small Fiber Neuropathy *Khaled Anis, Kamal Chemali, Lan Zhou, Noémie Chémali*

P07.109 Usefulness of Infrared Dynamic Pupillometry in the Diagnosis of Small Fiber Neuropathy *Fawn Bradshaw, Kamal Chemali*

P07.110 Pupil Reaction to Olfactory and Trigeminal Stimuli *Christine B. Schrezenmaier, Tjalf Ziemssen, Jörn Lötsch, Benno Schuster, Thomas Hummel*

P07.111 Cold Face Test in the Assessment of Cardiovascular Function: Comparison with Other Tests *Ramesh K. Khurana*

P07.112 Clinical Evolution of the Somatic and Autonomic Neuropathy Induced by Chronic Intravenous Vincristine Administration in Awake Rats: A New Model of Autonomic Neuropathy *Arnaldo Aires Peixoto, Junior, Benedito C.V. Teles, Érico F. B. Castro, Patrícia S. Aquino, Lucas G. Pinho, Armênio A. Santos, Francisco A. A. Gondim*

P07.113 Right Middle Cerebral Artery Stroke Blunts Cardiovascular Responses to Music, Left Middle Cerebral Artery Stroke Reduces Blood Pressure Response to Pleasant Music *Max J. Hilz, Juliane Nath, Thomas Gryc, Samuel Wong, Mathew H. M. Lee, Harald Marthol, Brigitte Stemper*

P07.114 Correlation between Orthostatic Hypotension and Supine Hypertension in Autonomic Synucleinopathies *Maria J. Tellez, Lucy J. Norcliffe-Kaufmann, Andrei Voustianouk, Svetlana Lenina, Horacio Kaufmann*

P07.115 Sympathetic and Parasympathetic Abnormalities in the Early Stages of Peripheral Neuropathies *Joel V. Gutierrez, Andrei Voustianouk, R. Mustelier, L. Zurina, Z. Camejo, Horacio Kaufmann*

P07.116 Asymmetric Dopamine Deficit Is Associated with Differential Patterns of Autonomic Nervous System Response to Mental Stress *Rachel Tomer, Jonathan Kushnir, Judith Aharon-Peretz, Uri Elyagon*

P07.117 Effects on Cardiovascular and Sympathetic Skin Regulation of Subthalamic Nucleus Deep Brain Stimulation (STN-DBS) in Parkinson's Disease with and without Orthostatic Hypotension *Valeria Tugnoli, Natascia Casula, Jay Guido Capone, Mariachiara Sensi, Maria Rosaria Tola, Rocco Quattrale*

P07.118 Migrainous Dysautonomia – A Novel Cause of Hypertension in Post-Menopausal Women *Ranjeeta Mani, Catherine Griffin, Thomas Chelimsky*

P07.119 Frequency of Syncope with Migrainous Features in a Population of Patients Referred for Autonomic Testing *Michael W. Chilungu, Amer Alsheklee, Thomas Chelimsky*

P07.120 Autonomic Neuropathy in Hepatitis C Virus (HCV) Infected Patients *Bruno Coutinho, Osvaldo J. M. Nascimento, Elizabeth Crespo, Gary Antezana, Celmir Vilaça, Marcos De Freitas, Marcelo Cruzeiro*

P07.121 Secondary Atrial Fibrillation Develops More Often after Rt MCA Infarct Than the Left Side *Jeong Lee, Ki-Whan Ji, So-Hyun Kim, Sung-Rae Kim, Seong-Hye Choi, Eun-Chul Song, Sa-Yoon Kang, Joung-Ho Rha*

P07.122 Elevated Titers of Anti-Thyroperoxidase Antibodies in Patients with Multiple System Atrophy
Boris M. D. Shihman, Nir Giladi, Margolit Bleiberg, Tanya Gurevich

MULTIPLE SCLEROSIS AND RELATED DISEASES: IMMUNOLOGY

P07.123 FTY720 Induces BDNF Production in Neuronal Cell Cultures
Rubén Deogracias, Tomoya Matsumoto, Corinna Klein, Morteza Yazdani, Miriam Bibel, Yves Barde

P07.124 Dose- and Treatment Duration-Dependent Effects of FTY720 on Human Oligodendroglial Process Dynamics
Veronique E. Miron, Timothy E. Kennedy, Betty Soliven, Jack P. Antel

P07.125 Elevated Hematopoietic Stem/Progenitor Cell Counts Circulating in Patients with Multiple Sclerosis Treated with Natalizumab
Annette Wundes, Kai-Hsin Chang, Sylvia Lucas, Thalia Papayannopoulou, Halvard Boenig

P07.126 The Val66Met BDNF Polymorphism in Multiple Sclerosis: Potential Biomarker for Treatment Response to Glatiramer Acetate
Peter Rieckmann, Boris A. Kallmann, Mathias Maeurer, Antje Kroner

P07.127 Laquinimod Reduces Level of IL-17 in Cultured Splenocytes from Treated MOG Induced Experimental Autoimmune Encephalomyelitis and in Cultured PBMCs from Healthy Human Donors
Anat Achiron, Bracha Timan, Joel Kaye, Liat Hayardeny

P07.128 Possible Role of Adipocytokines in the Pathogenesis of Multiple Sclerosis: A Finnish Co-Twin Study
Aki J. Hietaharju, Hanna Kuusisto, Riina Nieminen, Katriina Vuolteenaho, Irina Elovaara, Eeva Moilanen

P07.129 Increased PD-L1 Expression and Functional Deficiencies in Human Plasmacytoid Dendritic Cells
Rocio S. Lopez-Diego, Leonilda Santos, David E. Anderson, Howard L. Weiner

P07.130 Interferon Beta-1a Modulates the Initiation of Autoimmune Response in Patients with Clinically Isolated Syndrome Suggestive of Multiple Sclerosis
Xin Zhang, Yunan Tang, Jianping Jin, Silva Markovic-Plese

P07.131 Primary Progressive MS Shows a Characteristic Cellular and Protein CSF Profile
Luisa M. Villar, Mercedes Espiño, Jose Gomez-Rial, Ernesto Roldan, Nuria Garcia-Barragan, Maria C. Sadaba, Pedro González-Porqué, José C. Álvarez-Cermeñ

P07.132 Proteomic Characterization of Cerebrospinal Fluid and Genomic Characterization of Peripheral Blood Mononuclear Cells in Patients with Clinically Isolated Syndrome Suggestive of Multiple Sclerosis
Xin Zhang, Sarah Rogan, Yunan Tang, Jianping Jin, Danielle Speer, Silva Markovic-Plese

P07.133 Nogo-A in Multiple Sclerosis Cerebrospinal Fluid
J. William Lindsey, Michael P. Crawford, Landon M. Hatfield

P07.134 Laquinimod Induced Downregulation of MHC Class II Gene Expression in Cultured Peripheral Blood Cells of Untreated Patients with Multiple Sclerosis
Anat Achiron, Rotem Or-Bach, Sharon Barsilay, Michael Gurevich

P07.135 Unpaired Oligoclonal Bands Persist in the Cerebrospinal Fluid of Patients with Multiple Sclerosis Following Treatment with Alemtuzumab
Jennifer Somerfield, Alison Green, Geoff Keir, Edward Thompson, Gavin Giovannoni, Alasdair Coles

P07.136 Anti-CD25 Antibody Daclizumab *In Vitro* Greatly Enhances IL-2-Induced Expansion of CD56^{bright} NK Cells
James P. Sheridan, Ying Zhang, Luybov Efros, Jia D. Shi, Vladimir Vexler

P07.137 Comparison of the Immunomodulatory Effects of the Plant Sterol β -Sitosterol to Simvastatin in Peripheral Blood Cells from Multiple Sclerosis Patients
Murali Ramanathan, Bianca Weinstock-Guttman, Forum Desai, Carol Fink, Atif B. Awad

P07.138 Correlation between DJ-1 Levels in Cerebrospinal Fluid and Progression of Disability in Patients with Multiple Sclerosis
Makoto Hirotsu, Chinatsu Maita, Masaaki Niino, Sanae M. M. Iguchi-Arigo, Shinsuke Hamada, Hiroyoshi Ariga, Hidenao Sasaki

P07.139 Peripheral Blood Dendritic Cells Secrete Lower Levels of Pro-Inflammatory Cytokines in Multiple Sclerosis
Edward W.A. Brydon, Saud A. Sadiq

P07.140 Proteasome Autoantibodies in Optic Neuritis May Predict Progression to Multiple Sclerosis
Natascha Beyer, J. Milters, G. Houen, Jette Frederiksen

P07.141 A Novel Type of Proinflammatory Human Dendritic Cell (slan-DC) Is Present in Inflammatory CNS Disease and Can Be Modulated in a Different Way by Immunomodulatory Therapies
Katja Thomas, Tanja Kuhlmann, Wolfgang Brueck, Ernst Rieber, Knut Schaeckel, Tjalf Ziemssen

P07.142 Effects of Glia-Derived Factors on Human B Cells: Implication to Multiple Sclerosis Pathogenesis
Ichiro Nakashima, Aja Rieger, Philippe Saikali, Jack P. Antel, Yasuto Itoyama, Amit Bar-Or

P07.143 Gene Expression Patterns of Peripheral Blood Cells Subpopulations in Acute Optic Neuritis: The Role of CD19+ B Cells
Anna Feldman, Michael Gurevich, Anat Achiron

P07.144 Tears Analysis: A New Standard for Multiple Sclerosis Diagnosis
Gauthier Calais, Gérard Forzy, Charlotte Crinquette, Alexandre Mackowiak, Jerome De Seze, Christine Lebrun Frenay, Bernadette Hennache, Hélène Zephir, Patrick Vermersch, Patrick Hauteceour

P07.145 Quercetin and Interferon- β Modulate Immune Response(s) in Multiple Sclerosis Patients: *In Vitro* Studies
Zohara Sternberg, Kailash Chadha, Alicia A. Lieberman, Allison Drake, David Hohnaki, Paolo Zamboni, Erica Grazioli, Bianca Weinstock-Guttman, Fredrick Munschauer

P07.146 Conformational Serum Anti-Myelin Antibodies Are Not Associated with Preclinical Phase of MS
Andrew Chan, Dun Zhou, Corinna Franke, Bernhard Peter, Andreas Weishaupt, Klaus Toyka, Bernhard Hemmer, Ralf Gold

P07.147 Peripheral Blood Regulatory and Cell Percentages Correlate with Serum Vitamins D and A Ratios in Patients with Relapsing-Remitting Multiple Sclerosis (RRMS)
Walter Royal, Younus Mia, Huifen Li, Kerry Naunton

P07.148 Increased Intrathecal Chemokine Receptor CCR2 Expression in Multiple Sclerosis
Hideto Nakajima, Takafumi Hosokawa, Toshiyuki Ikemoto, Kei-ichi Shinoda, Masakazu Sugino, Fumiharu Kimura

P07.149 Time-Dependent RNA Signatures of Peripheral Blood Cells from Interferon Beta Treated MS Patients Disclose Consistent Differential Gene Expression
Robert Goertsches, Michael Hecker, Dirk Koczan, Uwe K. Zettl

P07.150 Multiple Sclerosis (MS) Patients Taking Interferon-beta-1a (IFN β 1a) Have Full Biological Activity in Both Stable and Breakthrough Disease
Susan E. Goelz, Emmanuelle Waubant, Jun Deng, Mark Agius, Aaron B. Kantor

P07.151 Soluble Receptor for Advanced Glycation End Products in Multiple Sclerosis: A Potential Biomarker of Disease Severity
Zohara C. Sternberg, Bianca Weinstock-Guttman, David Hohnaki, Paolo Zamboni, Robert Zivadinov, Kailash Chadha, Alicia Lieberman, Latif Kazim, Allison Drake, Paluch Rocco, Erica Grazioli, Frederick E. Munschauer

P07.152 Modulation of IFNAR1 mRNA Expression in Multiple Sclerosis Patients
Ruggero Capra, Alessandra Sottini, Claudia Ghidini, Federico Serana, Monica Valotti, Marco Chiarini, Cinzia Zanotti, Cinzia Cordioli, Sarah Rasia, Luigi Caimi, Luisa Imberti

P07.153 Antibodies to Epstein-Barr Virus Early Antigen Are Increased in Multiple Sclerosis
J. William Lindsey, Landon M. Hatfield

P07.154 Effect of Natalizumab on Regulatory T Cells: Analysis of Frequency, Migratory Behaviour and Suppressive Capacity of Two Natural Regulatory T Cell Populations *In Vitro* and *Ex Vivo*
Max-Philipp Stenner, Anne Waschbisch, Dorothea Buck, Hermann Einsele, Heinz Wiendl

P07.155 Tau Protein Concentrations in Cerebrospinal Fluid of Patients with Multiple Sclerosis: Relationship with Disease Course and Activity
Gorkem Kosehasanogullari, Serkan Ozakbas, Serap Tufan, Derya Kaya, Egemen Idiman

P07.156 Type I Interferon Receptor (IFNAR₁) Expressing Th17 Lymphocytes Are Increased during MS Relapses and Are Selectively Inhibited by IFN β
Luca Durelli, Laura Conti, Marinella Clerico, Giulia Contessa, Chiara Rivoiro, Alessia Tavella, Elisabetta Picco, Daniela Viglietti, Angelo Ghezzi, Mauro Zaffaroni, Franco Novelli

P07.157 Altered Human Pancreatic Ribonuclease I in Multiple Sclerosis
Niamh B. O'Hara, Erin Drazich, Qijiang Yan, Lin Jerry, Saud A. Sadiq

P07.158 Comparison of 2 Year Whole Genome RNA Expression Profiles Derived from Peripheral Blood Reveals Evident Pharmacological Differences Due to Distinct Interferon-beta Therapies
Robert Goertsches, Michael Hecker, Dirk Koczan, Uwe K. Zettl

P07.159 Cytokine and Chemokine mRNA in Peripheral Blood of MS Patients Correlates with Treatment Response and Interferon Beta Dose
Giulia Contessa, Chiara Rivoiro, Angele Cucci, Marinella Clerico, Pierangelo Barbero, Bruno Ferrero, Cinzia Ferrero, Elisabetta Picco, Paolo Ripellino, Daniela Viglietti, Luca Durelli

POSTER SESSION VII

THURSDAY, APRIL 17 / 11:30 A.M.–2:30 P.M.

FIRST AUTHORS STAND BY POSTER FROM 12:00 P.M.–1:30 P.M.

P07.160 BaroFeron™, an Interferon Beta Product, with Improved Bioavailability *Jeffrey L. Cleland, Mary Rosendahl, Steven P. Eisenberg, Matthew Seefeldt, David Haughey*

P07.161 Functional Differences of Binding vs. Neutralizing Anti-Interferon Beta Antibodies in MS Patients – Assessment of IgG Isotypes, Titers and Affinities *Til Menge, Gloria Von Geldern, Sabine Cepok, Sonja Hochgesand, Hans Hartung, Bernhard Hemmer*

P07.162 CD454RA+ T Helper Cell Percentages Correlate with Measures Related to Cognitive Function in Patients with Multiple Sclerosis (MS) *Walter Royal, Mitchell Wallin, Robert Kane, Heidi Maloni, Joel Culpepper, Micheline McCarthy, William Tyor, Younus Mia, David Ford, Christopher Bever*

P07.163 Effect of Natalizumab on Counts and Function on Natural Regulatory T-Cells in Patients with Multiple Sclerosis *Manoj Kumar, Kerstin Hellwig, Erich Kreutzfelder, Norman Putzki*

P07.164 Genes That Are Over-Expressed in Multiple Sclerosis Are Not Specifically Regulated by Treatment with Interferon-beta *Finn Sellebjerg, Martin Krakauer, Lars P. Ryder, Ingrid Alsing, Arne Svejgaard, Per S. Sorensen*

P07.165 Natalizumab in Multiple Sclerosis – Monitoring CD4:CD8 Ratios and JC Viral Loads *Roisin M. Lonergan, Lisa F. Costelloe, Jean M. Fletcher, Cillian F. De Gascun, Suzie Coughlan, Marguerite S. Duggan, Katie Doyle, Sinead Jordan, William W. Hall, Michael W. Hutchinson, Niall J. Tubridy*

P07.166 A Potential Blood Based Diagnostic Marker of Multiple Sclerosis *Benjamin M. Greenberg, Douglas W. Bigwood, Eric M. Eastman, Christopher P. Alvares, Eric Kaldjian*

P07.167 How Are MS Relapses Treated? *Tuula Tyry, Ruth-Ann Marrie, Denise Campagnolo, Timothy Vollmer, Gary Cutter*

P07.168 Spontaneous MxA mRNA Expression in Multiple Sclerosis Is Associated with IL10 mRNA Expression and Low MRI Disease Activity *Dan Hesse, Martin Krakauer, Henrik Lund, Lars P. Ryder, Ingrid Alsing, Arne Svejgaard, Per S. Sorensen, Finn Sellebjerg*

P07.169 Blood Gene Signatures in Clinically Isolated Syndromes and Multiple Sclerosis *Cynthia Farina, Marco Di Dario, Anna Luisa Di Stefano, Clara Ballerini, Tiziana Biagioli, Diego Franciotta, Renato Mantegazza, Paolo Confalonieri, Luca Massacesi, Roberto Bergamaschi, Loredana La Mantia, Clara Milanese, Enzo Medico*

MOVEMENT DISORDERS: ATYPICAL PARKINSONISM

P07.170 Application of Disease-Related Metabolic Networks for Automated Differential Diagnosis of Parkinsonian Disorders *Chengke Tang, Thomas Eckert, Yilong Ma, Nathaniel Brown, Andrew Bauerschmidt, Andrew Feigin, Steven Frucht, David Eidelberg*

P07.171 Nocturnal Sudden Death in Patients with Multiple System Atrophy *Takayoshi Shimohata, Tetsutaro Ozawa, Hideaki Nakayama, Masahiko Tomita, Masatoyo Nishizawa*

P07.172 Comparison of ¹⁸F-FDG PET and Clinical Features of 50 Cases with Early Multiple System Atrophy: Different Patterns of Glucose Metabolism between Possible and Probable Subtype *Sun Ju Chung, Kyum-Yil Kwon, Jae Seung Kim, Ki Chun Im, Myoung Chong Lee*

P07.173 The Wide Spectrum of Clinicopathological Manifestations in Histopathologically Proven Progressive Supranuclear Palsy: A Study of Japanese Patients *Masato Kanazawa, Takayoshi Shimohata, Yasuko Toyoshima, Mari Tada, Akiyoshi Kakita, Tetsutaro Ozawa, Takashi Morita, Hitoshi Takahashi, Masatoyo Nishizawa*

P07.174 Autonomic Dysfunction in Different Subtypes of Multiple System Atrophy (MSA): MSA-P vs. MSA-C *Tjalf Ziemssen, Claudia Schmidt, Birgit Herting, Ludger Schoels, Daniela Berg, Susann Junghanns, Heinz Reichmann*

P07.175 Brainstem Atrophy on Routine MR Study in Frontotemporal Dementia and Parkinsonism Linked to Chromosome 17 (FTDP-17) *Jerzy Slowinski, Katherine J. Schweitzer, Akiko Imamura, Ryan Uitti, Audrey J. Strongosky, Dennis Dickson, Daniel Broderick, Zbigniew Wszolek*

P07.176 Neurodegenerative “Overlap” Syndrome: Parkinsonism, Motor Neuron Disease, and Cognitive Decline *Katherine Schweitzer, Kevin Boylan, Avi Algom, Christian Wider, Ryan Uitti, Dennis Dickson, Rosa Rademakers, Zbigniew Wszolek*

P07.177 Sporadic Guam Parkinsonian Complex or the Co-Incidence of Several Neurodegenerative Conditions: The Report of 4 Czech Cases Suffering from Parkinsonism, Amyotrophic Lateral Sclerosis and Dementia *Petr Kanovsky, Katerina Farnikova, Igor Nestrasil*

P07.178 High Prevalence of Cerebral Microbleeds in Vascular Parkinsonism *Yung-Yee Chang, Min-Yu Lan, Chun-Chung Lui, Ying-Fa Chen, Jia-Shou Liu*

P07.179 Comparison of Neuropsychological Profiles of Normal Pressure Hydrocephalus and Parkinson's Disease with Dementia *Kija Weldon, Natalie Denburg, John Wright, Matthew Howard, Robert Rodnitzky, Daniel Tranel, Ergun Uc*

MOVEMENT DISORDERS: MISCELLANEOUS

P07.180 Fluoroscopic, EMG-Guided, Botulinum-Toxin Injection into the Longus Colli and Longus Capitis for the Treatment of Anterocollis *Graham A. Glass, Jill Ostrem, Susan Heath, Paul Larson*

P07.181 Does Previous Response to a Botulinum Toxin Type A Affect Subsequent Treatment with Botulinum Toxin Type B in Patients with Cervical Dystonia? Analysis of a Long-Term Open-Label Study (AN072-401 EU/CD) *Austen P. Moore, Joaquim J. Ferreira, Terry Germanson, Eric J. Pappert*

P07.182 Botulinum Toxin Type A (Botox) Versus Botulinum Toxin Type B (MYOBLOC) in Patients with Cervical Dystonia: A Comparison of the Frequency of Xerostomia and Dysphagia *Eric Pappert, Terry Germanson, Peter Moore, Joaquim Ferreira*

P07.183 Botulinum Toxin Type B Effects on Pain Associated with Cervical Dystonia: Results of a Meta-Analysis *Mark F. Lew, Terry Germanson, Eric J. Pappert*

P07.184 Botulinum Toxin Type B in Cervical Dystonia: A Two-Year Open-Label Study in Botulinum Toxin Type A Resistant/Responsive Subjects (AN072-401 EU/CD) *Austen Moore, Joaquim Ferreira, Eric Pappert*

P07.185 Retrospective Analysis of Cervical Dystonia Patient Population and Treatment Patterns at Vanderbilt University *Neil D. Manus, Michael W. Pelster, Jason A. Cook, Wallace J. Title, Chandler E. Gill, P. Charles*

P07.186 Involvement of the Human Pedunculopontine Nucleus Region in Movement Preparation *Eric Tsang, Jamie Purzner, Clement Hamani, Filomena Mazzella, Yu-Yan Poon, Andres Lozano, Elena Moro, Robert Chen*

P07.187 Treatment of Freezing of Gait in Parkinson's Disease with Deep Brain Stimulation of the Pedunculopontine Nucleus *Muhammad Nashatizadeh, Joseph Jankovic*

P07.188 Clinical Experience with Transdermal Patch of Rotigotine in Parkinson's Disease *Ernest Balaguer Martinez, Antonio Callén Soto, Lluís Soler Singla*

P07.189 A Single Dose, Placebo Controlled, Cross-Over Trial Comparing the Latency to Onset of Orally Disintegrating (OD) Levodopa (Parcopa) Versus Oral (PO) Levodopa *William G. Ondo, Lina M. Shinawi, Steven Moore*

MOVEMENT DISORDERS: PSYCHOGENIC

P07.190 Transient Exacerbation of Cerebellar Ataxia by Smoking Cigarettes: A Prevalence Survey *Raquel C. Gardner, Roy N. Alcalay, Jeremy D. Schmahmann*

P07.191 Autosomal-Dominant Neurodegenerative Disorder with Predominantly Spinocerebellar Signs *Philip Seibler, Angela Rosenbohm, Katja Lohmann, Katja Zschiedrich, Ana Djarmati, Christine Zuehlke, Christine Klein, Albert Ludolph*

P07.192 Prevalence of Cardiac Abnormalities in Friedreich Ataxia *Ivar V. Brandi, Daniela G. Martins, Dalton Portugal, Daniela S. Martins, André G. Ferreira, Ana Pavlova, Edson M. Negro*

P07.193 Gray and White Matter Atrophy Revealed by Voxel-Based Morphometry (VBM) in Machado-Joseph Disease *Anelyssa D'Abreu, Marcondes C. França, Jr., Clarissa L. Yassuda, Iscia Lopes-Cendes, Fernando Cendes*

P07.194 Spinocerebellar Ataxia 12 Found Only in Agarwal Ethnic Group in India *Srivastava K. Achal*

P07.195 Psychogenic Tremor Outcomes *Andrew McKeon, J. Ahlskog, James Bower, Keith Josephs, Joseph Matsumoto*

P07.196 Characteristics of Archimedean Spiral Drawing in Patients with Psychogenic Tremor *Lesly Aguilar Tabora, Anthony Davidson, Joseph Jankovic, William Ondo*

P07.197 Phenomenology of Psychogenic Movement Disorders in Children *Joseph M. Ferrara, Joseph Jankovic*

P07.198 Morbidity Associated with Psychogenic Movement Disorders in Children *Joseph M. Ferrara, Joseph Jankovic*

P07.199 Genetic Analysis of the Parkin Gene as a Modifier in Restless Legs Syndrome (RLS) *Irene Pichler, Fabio Marroni, Daniela Grazio, Sara Pedrotti, Alessandro De Grandi, Claudia Beu Volpato, Andrew A. Hicks, Katja Lohmann, Christine Klein, Peter P. Pramstaller*