

Sunday, July 10, 2005

09:00-09:45 a.m.

PNS Fellows Platform Session 1

Chairs: Nicola Rizzuto and Rudolf Martini

SUBMAXIMAL ANODAL STIMULATION: A NEW NON-INVASIVE NEUROPHYSIOLOGICAL TEST TO EVALUATE INTRADERMAL SKIN ENDINGS AND PRELIMINARY DATA ON THE DIAGNOSTIC SENSITIVITY IN MILD POLYNEUROPATHIES

Aprile I, Stalberg E, Caliandro P, Pazzaglia C, Tonali P, Foschini M, Bertolini C, Piazzini DB, Padua L

MUTATIONS IN MITOFUSIN 2 ARE A MAJOR CAUSE FOR AUTOSOMAL DOMINANT AXONAL CHARCOT-MARIE-TOOTH NEUROPATHY

Claeys K, Verhoeven K, Züchner S, Schröder JM, Vance JM, Timmerman V, De Jonghe P

THE MORBIDITY AND LONG-TERM OUTCOMES OF SEVERE GUILLAIN-BARRÉ SYNDROME ADMITTED TO THE ICU: THE 20-YEAR EXPERIENCE AT LONDON HEALTH SCIENCES CENTRE

Dhar R, Hahn AF

09:45-10:30 a.m.

PLENARY LECTURE 1

Chair: Eduardo Nobile-Orazio

TREATMENT OF GUILLAIN-BARRÉ SYNDROME AND CIDP

Pieter A. van Doorn

10:30-11:30 a.m.

Poster Session 1

THERAPEUTIC POTENTIAL OF LOVASTATIN FOR THE TREATMENT OF EXPERIMENTAL AUTOIMMUNE NEURITIS, AN ANIMAL MODEL OF GUILLAIN-BARRÉ SYNDROME

Sarkey JP, Richards MP, Stubbs EB Jr

CRITICAL ILLNESS WEAKNESS: NEUROPATHY OR MYOPATHY

Smith TA, Fabricius M

DELAYED REINNERVATION OF DENERVATED AND INAPPROPRIATELY PROTECTED PERIPHERAL NERVE STUMPS

Midha R, Xu QG, Gordon T

CENTELLA ASIATICA L. (GOTU KOLA) ACCELERATES NERVE REGENERATION IN THE RAT SCIATIC NERVE UPON ORAL ADMINISTRATION AND INCREASES NEURITE ELONGATION VIA ERK ACTIVATION

Gold BG, Soumyanath A, Zhong Y-P, Gold SA, Yu X, Koop D, Bourdette D

TRANSIENT NEUROMYOTONIA

Gutmann Lu, Pawar G, Gutmann La

THALIDOMIDE THERAPY AND POLYNEUROPATHY IN MYELOMA PATIENTS

Laaksonen S, Remes K, Koskela K, Voipio-Pulkki LM, Falck B

THE NATURAL HISTORY OF NEUROMUSCULAR FUNCTION IN POLIOMYELITIS

Sorenson EJ, Daube JR, Windebank AJ

NERVE GROWTH FACTOR (NGF) MODULATION INDUCED BY ACETYL-L-CARNITINE (ALC) DURING PACLITAXEL-CISPLATIN CHEMOTHERAPY

Piatti M, Marzorati L, Bogliun G, Zincone A, **Frigeni B**, Tagliabue E, Cundari S, Zanna C, Cavaletti G

MULTIVARIATE ANALYSIS OF PERIPHERAL NEUROPATHY AFTER BARIATRIC SURGERY PERFORMED AT ONE INSTITUTE

Thaisetthawatkul P, Sarr MG, Norell JE, Dyck PJB

RITUXIMAB FOR THE TREATMENT OF IGM-ASSOCIATED POLYNEUROPATHIES

Barohn RJ, Rashid I, McVey AL, Herbelin L, Skikne B, Saperstein DS

THE REINNERVATION PATTERN OF WOUNDS AND SCARS COULD EXPLAIN THEIR SENSORY SYMPTOMS

Henderson J, Terenghi G, McGrouther DA, Ferguson MWJ

STRUCTURAL ALTERATIONS ON THE RENAL NERVES OF RATS CAUSED BY CHRONIC EXPERIMENTAL DIABETES

Sato KL, do Carmo JM, **Fazan VPS**

TARGET REINNERVATION AND DISTRIBUTION OF MOTOR AXONS IN THE REGENERATED RAT SCIATIC NERVE

Lago N, Navarro X

AN ANTI-DISIALOSYL ANTIBODY CAUSING SELECTIVE PERISYNAPTIC SCHWANN CELL DEATH AT MOUSE NEUROMUSCULAR JUNCTIONS

Morrison I, Halstead SK, O'Hanlon GM, Humphreys PD, Goodfellow JA, Plomp JJ, Willison HJ

EFFECTS OF α -LIPOIC ACID ON IMPAIRED NEURAL CONTROL OF SKIN BLOOD FLOW IN DIABETIC RATS

Hinder L, Cotter MA, Cameron NE

CYTOKINE CHANGES AFTER PERIPHERAL NERVE INJURY

Ruohonen S, Tenhami M, Kylliäinen L-M, Røyttä M

A NOVEL LITAF MUTATION IN A TREATABLE MULTIFOCAL DEMYELINATING POLYNEUROPATHY

Scelsa SN

COMPOSITION OF PERIPHERAL NERVE AMYLOID AFTER ORTHOTOPIC LIVER TRANSPLANT FOR FAP

Benson MD, Liepnieks JJ, Kincaid JC

THE LATE ENDOSOMAL GTPASE RAB7 CONTROLS THE ENDOSOMAL TRAFFICKING AND SIGNALLING OF THE NERVE GROWTH FACTOR RECEPTOR TRKA

Saxena S, Bucci C, Weis J, **Kruttgen A**

THIAZOLIDINEDIONE DRUGS INHIBIT HIGH GLUCOSE INDUCED OXIDATIVE STRESS IN NEURONS

Russell JW, Gilmore D, Kim E, Cherian K

ANALYSIS OF NDRG1 AND ITS DOWN-STREAM EFFECTS IN NERVE DISEASE

Kwa MSG, Chandler DC, De Jonge RR, ten Asbroek A, Verheesen P, Frieden M, Kalaydjieva L, Baas F

BASAL LAMINA DISRUPTION IN SCHWANN CELL AND FIBROBLAST CULTURES OF A PMP22 TRANSGENIC MOUSE MODEL OF CMT1A

Saavedra JT, Kwa MSG, Wolterman R, Baas F, ten Asbroek A

MUTATIONS OF THE LITAF/SIMPLE GENE IN CHARCOT-MARIE-TOOTH DISEASE

Meggouh F, Vreijling J, Bordewijk L, Bagnay M, Baas F

THE USE OF SKIN INNERVATION DENSITY TO ASSESS COURSE AND SEVERITY OF TOXIC NEUROPATHIES IN ANIMAL MODELS

Canta A, Cavaletti G, Gilardini A, Galbiati S, Rodriguez V, Lanzani F, Frigeni B, Nicolini G, Tredici G, Penza P, Lombardi R, Lauria G

ELECTRODIAGNOSTIC CHARACTERIZATION OF MYELIN PROTEIN ZERO MUTATIONS IN PATIENTS WITH EARLY AND LATE ONSET NEUROPATHIES

Jani-Acsadi A, Krajewski K, Shy ME, Lewis RA

ANTI-GM1 GANGLIOSIDE ANTIBODIES INCREASE SEVERITY OF NEUROPATHY FOLLOWING INDUCTION OF EXPERIMENTAL AUTOIMMUNE NEURITIS

Lee G, Willison HJ, Latov N

EARLY NERVE REGENERATIVE EVENTS: AN AXON-SCHWANN CELL 'DANCE'

McDonald D, Cheng C, Chen Y, **Zochodne DW**

SCIATIC MONONEUROPATHY IN SJÖGREN'S SYNDROME (SS): A CASE REPORT

Tagliente D, Caliandro P, Aprile I, Pazzaglia C, Tonali P, Padua L

A CASE OF HSAN TYPE II WITH COMPOUND HETEROZYGOSIS FOR TWO NEW HSN2 GENE MUTATIONS

Pareyson D, Laurà M, Coen K, Nelis E, De Jonghe P, Timmerman V

INTRAEPIDERMAL NERVE FIBER DENSITY IN PATIENTS WITH SMALL FIBER POLYNEUROPATHY WITH AND WITHOUT SIMULTANEOUS LARGE FIBER AFFECTATION

Moravcova E, Bednarik J, Sommer C

EXPRESSION OF APOPTOSIS IN SPINAL DORSAL ROOT GANGLION OF EXPERIMENTAL DIABETIC RATS

Kato J, Yasaki S, Honma H, Oikawa R, Takahashi Y

PARANEOPLASTIC VASCULITIC NEUROPATHY: A REPORT OF 2 CASES

Laurà M, Groves MJ, Clarke C, Kapoor R, Reilly MM

THE PHENOTYPE OF MUTATIONS IN THE NEUROFILAMENT LIGHT CHAIN GENE (NEFL)

Fabrizi GM, Pellegrini M, Angiari C, Cavallaro T, Cabrini I, Rizzuto N

FUNCTIONAL ANALYSES OF GLYCYL-TRNA SYNTHETASE MUTATIONS REVEAL A PUTATIVE LINK BETWEEN PROTEIN SYNTHESIS DEFECTS AND NEURODEGENERATION

Antonellis A, Nangle LA, Lee-Lin S-Q, Maduro V, Ionasescu V, Züchner S, Vance JM, Saifi M, Lupski JR, Sumner C, Fischbeck KH, Schimmel P, Green ED

EARLY AND SELECTIVE DEATH OF LARGE MOTONEURONS IN THE SOD1 G93A TRANSGENIC MOUSE MODEL OF FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS

Hegedus J, Sharp PS, **Gordon T**

PAINFUL INFLAMMATORY SMALL FIBER NEUROPATHY OBSERVED IN PATIENTS WITH HTLV-I/II INFECTION

Nascimento OJM, de Freitas MRG, Escada TM, Hahan M, Leite AC, Lacerda G, Quintanilha G

INTERLEUKIN-23 IN ACUTE INFLAMMATORY DEMYELINATION OF THE PERIPHERAL NERVOUS SYSTEM

Hu W, Hartung H-P, **Kieseier BC**

ABNORMAL MEDIAN-NORMAL SURAL SENSORY RESPONSE IN ANTI-MAG POLYNEUROPATHY

Denys V, Viala K, Maisonobe T, Neil J, Léger J-M, Bouche P

CMT NEUROPATHY SCORE IDENTIFIES TWO YEAR PROGRESSION IN CMT-1A PATIENTS

Lewis RA, McDermott M, Krajewski K, Herrmann D, Shy ME

LOCAL DOWN-REGULATION OF MYELIN-ASSOCIATED GLYCOPROTEIN PERMITS AXONAL SPROUTING WITH CHRONIC NERVE COMPRESSION INJURY

Gupta R, Rummeler L, Palispis W, Truong L, Chao T, Rowshan K, Steward O

ADULT-ONSET ATAXIA AND SENSORI-MOTOR NEUROPATHY: UNUSUAL MANIFESTATION OF APRATAXIN GENE MUTATION

Suzuki C, Tanosaki M, Kamijyo M, Baba M

MULTIFOCAL DEMYELINATING NEUROPATHY IN A PATIENT WITH ULCERATIVE COLITIS TREATED WITH INFLIXIMAB

Shields RW Jr

MEASUREMENT OF MUSCLE IMBALANCE IN PATIENTS WITH PES CAVUS AND CHARCOT-MARIE-TOOTH DISEASE, COMPARED TO HEALTHY CONTROLS, USING HAND-HELD DYNAMOMETRY

Burns J, Redmond A, Ouvrier R, Crosbie J

REDUCED INTRAEPIDERMAL NERVE FIBER AND SUBEPIDERMAL PLEXUS IMMUNOSTAINING FOLLOWING SINGLE APPLICATION OF A NOVEL HIGH-CONCENTRATION CAPSAICIN FORMULA

Schaefers MA, Bischofs S, Boettger MK, Bley KR, **Sommer C**

BETA4 INTEGRIN PROMOTES MYELIN STABILITY IN THE PERIPHERAL NERVOUS SYSTEM

Nodari A, Previtali SC, Zambroni D, Dati G, Occhi S, Dina G, Ferri C, Campbell K, Saito F, Quattrini A, Wrabetz L, Feltri ML

HETEROGENEITY OF ANTI-MAG NEUROPATHY

Magy L, Lacoste M, Boukhris S, Vallat J-M

INFLAMMATORY SWELLING OF THE CAUDA EQUINA. INFECTION, TUMOR OR FOCAL RADICULOPATHY? CASE REPORT, ELECTROPHYSIOLOGY, NEUROIMAGING, CSF STUDIES AND BIOPSY

Grisold W, Feichtiger H, Hitzenberger P, Horvath B, Urbanits S, Vass A

ATAXIA AND HEREDITARY MOTOR SENSORY NEUROPATHY ASSOCIATED WITH A MYELIN PROTEIN ZERO POINT MUTATION

Azan G, Miscio G, Gellera C, Milani M, Taroni F, Mauro A

ROLE OF TNF- α IN MODULATING GBS PHENOTYPE IN ITALIAN PATIENTS

Carmo M, Bersano A, Scarlato M, Cavanna B, Fabio G, Zarantonello M, Pulixi E, Del Bo R, Nobile-Orazio E, Citterio A, Bresolin N

THE PRESENCE OF SERUM ANTIBODIES TO A PANEL OF GANGLIOSIDE ANTIGENS IN THE GUILLAIN-BARRÉ SYNDROME AND RELATED DISORDERS

Piven L, Bersudsky M, Ifergane G, Hallevy C, Valdman S, Wirguin I

MANNOSE-BINDING LECTIN CONTRIBUTES TO THE SEVERITY OF GUILLAIN-BARRÉ SYNDROME

Geleijns K, Roos A, Houwing-Duistermaat JJ, van Rijs W, Tio-Gillen AP, Laman JD, van Doorn PA, Jacobs BC

IN VITRO DRUG SCREENING FOR THE PREVENTION AND TREATMENT OF DIABETIC NEUROPATHY

Vincent AM, Backus C, McLean LL, Feldman EL

PERIPHERAL NEUROPATHY IN CELIAC DISEASE: A PROSPECTIVE CLINICAL, ELECTROPHYSIOLOGICAL, AND BIOCHEMICAL STUDY

Briani C, Zara G, Toffanin E, Ruggiero S, Ferrarini A, Grassivaro F, Ermani M, De Lazzari F, D'Odorico A

PERIPHERAL NEUROPATHY ASSOCIATED WITH SERONEGATIVE SJÖGREN'S SYNDROME

Jaradeh S, Barboi A

IMMUNOHISTOCHEMICAL ASSESSMENT OF EPIDERMAL NERVE FIBERS IN MALES AND FEMALES WITH FABRY DISEASE

Bertelsen AK, Ericson ME, Benhabib E, Hordinsky MK, Mellgren SI, Wilcox GL

EXPERIMENTAL STUDY OF BIODEGRADABLE POLYMER CONDUIT WITH COLLAGEN SPONGE FOR PERIPHERAL NERVE DEFECT

Nakatsuka H, **Takamatsu K**, Koshimune M, Kazuki K, Takaoka K

CLINICOPATHOLOGICAL AND GENETIC STUDY OF DEMYELINATING CMT
Parman Y, Poyraz M, Battaloglu E, Baris I, Bilir B, Bissar-Tadmouri N,
Serdaroglu P, Deymeer F

11:30 a.m.-01:00 p.m.

Platform Session 1

“Peripheral Neurobiology/Regeneration”

Chairs: Robert R. Myers and Douglas W. Zochodne

IN VIVO ASSESSMENT OF NERVE LESIONS DURING WALLERIAN
DEGENERATION AND AUTOIMMUNITY BY GADOFLUORINE M ENHANCED MRI
Stoll G, Wessig C, Schütz A, Solymosi L, Toyka KV, Bendszus M

DIFFERENTIAL UPREGULATION OF NEUROTROPHIC FACTORS DURING
REINNERVATION OF SENSORY AND MOTOR NERVE GRAFTS
Höke A, Zhou C, Redett R, Jari R, Brushart T

PROTEINASE-ACTIVATED RECEPTORS AND PERIPHERAL NERVE
REGENERATION
Brussee V, Martinez JA, Ramji N, Toth C, Vergnolle N, Zochodne DW

DELAYED WALLERIAN DEGENERATION AND FASTER REGENERATION IN
COMPLEMENT DEFICIENT RAT SCIATIC NERVE FOLLOWING ACUTE AXONAL
INJURY
Ramaglia V, de Jonge R, Wolterman R, King RHM, Baas F

GANGLIOSIDES ARE IMPORTANT FOR FORMATION AND MAINTENANCE OF
ION CHANNEL CLUSTERS IN MYELINATED PERIPHERAL NERVES
Susuki K, Baba H, Tohyama K, Furukawa K, Hirata K, **Yuki N**

THE EXPRESSION OF INFLAMMATORY RELATED GENES AFTER PERIPHERAL
NERVE INJURY
Kylliäinen L-M, Kimppa K, Ruohonen S, Tenhami M, Røyttä M

02:00-03:45 p.m.

Platform Session 2

“Immune and Inflammatory Neuropathies”

Chairs: Angelika Hahn and Klaus V. Toyka

RESULTS OF A CONTROLLED TRIAL OF IV METHYLPREDNISOLONE IN
DIABETIC LUMBOSACRAL RADICULOPLEXUS NEUROPATHY (DLRPN): A
PRELIMINARY INDICATION OF EFFICACY
Dyck PJB, O'Brien PC, Bosch EP, Grant I, Burns TM, Windebank AJ,
Haubenschild JK, Peterson D, Norell JE, Capelle SK, Lodermeier K, Dyck PJ

ENDONEURIAL FIBROBLAST-LIKE CELLS EXPRESS THE HEMATOPOETIC STEM
CELL MARKER CD34 AND FORM CELL CONTACTS WITH RESIDENT AND
PHAGOCYTOSING MACROPHAGES IN NORMAL MICE AND DEMYELINATING
MUTANTS
Kroner A, Mäurer M, Kohl B, Kobsar I, Martini R

PERIVASCULAR MACROPHAGE CLUSTERING IS A SENSITIVE MARKER FOR

INFLAMMATORY NEUROPATHIES

Sommer C, Koch S, Lammens M, Gabreëls-Festen A, Toyka KV

TNF MEDIATES MACROPHAGE MIGRATION VIA INDUCTION OF MMP-9 IN WALLERIAN DEGENERATION. STUDIES WITH RATS, TNF -/- MICE AND WLD MICE

Shubayev VI, Dolkas J, Angert M, Palenscar K, **Myers RR**

PRESYNAPTIC EFFECTS OF SERA FROM PATIENTS WITH PARANEOPLASTIC NEUROPATHIES AND THEIR NEUTRALIZATION BY INTRAVENOUS IMMUNOGLOBULINS

Buchwald B, Ahangari R, Weishaupt A, Toyka KV

SUSCEPTIBILITY TO GUILLAIN-BARRÉ SYNDROME IS ASSOCIATED WITH POLYMORPHISMS OF CD1A AND CD1E GENES

Caporale CM, Papola F, Fioroni MA, Giovannini A, Adorno D, Caporale V, Uncini A

SERUM ANTIBODIES TO CAMPYLOBACTER JEJUNI LIPO-OLIGOSACCHARIDES IN THE GUILLAIN-BARRÉ SYNDROME

Kuijf ML, van Rijs W, Heikema AP, Ang CW, Willison HJ, van Doorn PA, Jacobs BC

04:30-06:00 p.m.

Platform Session 3

“Therapy”

Chairs: John D. Pollard and Angelo Quattrini

TREATMENT OF GUILLAIN-BARRÉ SYNDROME WITH INTRAVENOUS IMMUNOGLOBULINS AND METHYLPREDNISOLONE COMBINED WITH MYCOPHENOLATE (CELLCEPT®) - A PILOT STUDY

Garsen MPJ, van Koningsveld R, van Doorn PA

AXONAL MARKERS (NEUROFILAMENTS) PREDICT OUTCOME IN GUILLAIN-BARRÉ SYNDROME

Petzold A, Hinds N, Hirsch N, Grant D, Keir G, Thompson EJ, Murray N, Reilly MM

INTRAVENOUS IMMUNOGLOBULINS VS. CORTICOSTEROIDS IN CIDP. EVALUATION OF LONG-TERM EFFICACY IN THE DIFFERENT CLINICAL SUBTYPES

Sabatelli M, Madia F, Conte A, Mereu ML, Tonali P

CYCLOPHOSPHAMIDE IN REFRACTORY CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY: A RETROSPECTIVE ANALYSIS OF 12 PATIENTS

Korngut L, Hahn AF

ARE INTRAVENOUS IMMUNOGLOBULINS (IVIG) A LONG-TERM THERAPY OF MULTIFOCAL MOTOR NEUROPATHY? A RETROSPECTIVE STUDY OF RESPONSE TO IVIG AND ITS PREDICTIVE CRITERIA IN 40 PATIENTS

Léger J-M, Viala K, Cancalon F, Maisonobe T, Gruwez B, Jolivet I, Waegemans T, Bouche P

SPATIO-TEMPORAL ANALYSIS OF EXPERIMENTAL LASER-ASSISTED NERVE
TRANSPLANTATION

Schober R, Ogunlade V, Ulrich F

06:15-07:00 p.m.

Richard P. Bunge Memorial Lecture

Chair: Anthony J. Windebank

THE IMMUNOBIOLOGY OF GUILLEIN-BARRÉ SYNDROMES

Hugh J. Willison

Monday, July 11, 2005

09:00-09:45 a.m.

PNS Fellows Platform Session 2

Chairs: James W. Russell and Carol L. Koski

TRANSTHYRETIN KNOCKOUTS ARE A NEW MOUSE MODEL FOR INCREASED
NEUROPEPTIDE Y IN THE PERIPHERAL NERVOUS SYSTEM

Nunes AF, Saraiva MJ, **Sousa MM**

M-CSF ACTIVATES PATHOGENIC RESIDENT AND INFILTRATING
MACROPHAGES AND MEDIATES MYELIN PHAGOCYTOSIS IN A MOUSE MODEL
FOR AN INHERITED DEMYELINATING NEUROPATHY

Berghoff M, Müller M, Kobsar I, Kiefer R, Martini R

RAGE AND EXPERIMENTAL DIABETIC NEUROPATHY: DOES RAGE DRIVE THE
DEVELOPMENT OF DIABETIC AXONAL ATROPHY?

Toth C, Schmidt AM, Brussee V, Yan SF, Rong LL, Zochodne DW

09:45-10:30 a.m.

PLENARY LECTURE 2

Chair: John W. Griffin

LAMININS AND THEIR RECEPTORS IN SCHWANN CELLS AND HEREDITARY
NEUROPATHIES

Maria Laura Feltri, Lawrence Wrabetz

10:30-11:30 a.m.

Poster Session 2

GLYCERYL TRINITRATE SPRAY IN THE MANAGEMENT OF PAINFUL DIABETIC
NEUROPATHY: A RANDOMIZED DOUBLE-BLIND PLACEBO CONTROLLED
CROSSOVER STUDY

Agrawal RP, Choudhary R, Sharma S, Beniwal R, Kaswan K, Kochar DK

DEFINING FEATURES, COURSE AND OUTCOME OF LIMB SARCOIDOSIS
NEUROPATHY: A REVIEW OF 56 CASES SEEN AT MAYO CLINIC OVER 30
YEARS

Burns TM, Dyck PJB, Aksamit AJ, Dyck PJ

CLASSIFICATION OF ENTRAPMENT NEUROPATHY ACCORDING TO THE ELECTROPHYSIOLOGICAL EXAMINATION AND ITS CLINICAL RESULTS
Yamano Y, Sakanaka H, Teraura H, Nakatsuka H

EXPRESSION OF THE COMPLEMENT REGULATORY PROTEIN CD59 IN SURAL NERVE BIOPSIES
Stopps V, **Groves MJ**

ELECTROPHYSIOLOGICAL PATTERNS OF DIABETIC POLYNEUROPATHY
Bagai K, Wilson JR, **Fisher MA**

N-ACETYLCYSTEINE PREVENTS SENSORY NEURONAL CELL DEATH AFTER PERIPHERAL NERVE INJURY
West CA, Hart AM, Wiberg M, Terenghi G

PEROXINREDOXIN 5 IS OVER-EXPRESSED IN A VARIETY OF PERIPHERAL POLYNEUROPATHIES
Lu JL, Ouvrier R

TOPIRAMATE IMPROVES INTRAEPIDERMAL NERVE FIBER MORPHOLOGY AND QUANTITATIVE NEUROPATHY MEASURES IN DIABETIC NEUROPATHY PATIENTS
Pittenger GL, Simmons K, Anandacoomaraswamy D, Rice A, Barlow P, Vinik AI

THE NEURONAL AND GLIAL GANGLIOSIDE EXPRESSION PROFILE DETERMINES THE EXTENT OF ANTIBODY-MEDIATED INJURY AT THE MOUSE NEUROMUSCULAR JUNCTION
Goodfellow JA, Odaka M, Humphreys P, Halstead SK, Plomp JJ, Willison HJ

PERIPHERAL NEUROPATHY IN LYMPHOMA: DIFFERENT PATTERNS OF PRESENTATION ARE RELATED TO THE TYPE OF LYMPHOMA AND ARE PREDICTIVE OF THE OUTCOME
Viala K, Behin A, Maisonobe T, Leblond V, Léger J-M, Bouche P

MONONEUROPATHY MULTIPLEX: AN HETEROGENOUS CONDITION
Manicone M, Grifoni SC, Di Bella P, Danieli MG, Calcabrini L, Provinciali L, **Logullo F**

MULTIPLEX LIGATION-DEPENDENT PROBE AMPLIFICATION IMPROVES DIAGNOSTIC YIELD IN PATIENTS WITH DEMYELINATING NEUROPATHIES DUE TO DETECTION OF SMALL DUPLICATIONS AND DELETIONS INVOLVING THE PMP22 GENE
Winer J, Sutton I, Barber R, Lindley V, Bryon J, Norman A, MacDonald F

NOVEL MISSENSE GARS GENE MUTATION IN AN ITALIAN FAMILY WITH HEREDITARY DISTAL MOTOR NEUROPATHY
Del Bo R, Ghezzi S, Locatelli F, Scarlato M, Corti S, Prella A, Fagiolari G, Ripolone M, Moggio M, Carpo M, Bresolin N, Comi GP

OUTCOME AND RELAPSE IN VASCULITIC PERIPHERAL NEUROPATHY: A RETROSPECTIVE ANALYSIS
Mathew L, Talbot K, Puvanarajah S, Love S, Donaghy M

THE EFFECTS OF PHOSPHOLIPIDS ON THE ACTIVITY OF ANTIGANGLIOSIDE ANTIBODIES

Hirakawa M, Sada M, Morita D, Tsuji S, Kusunoki S

ROLE OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR) IN THE DEVELOPMENT OF EXPERIMENTAL DIABETIC NEUROPATHY: EFFECTS OF ITS LIGAND ON PROTEIN KINASE C ACTIVITY AND PERIPHERAL NERVE FUNCTION

Yagihashi S, Yamagishi S-I, Otsuki S, Mizukami H

CHARCOT-MARIE-TOOTH DISEASE TYPE 1X AND PROGRESSIVE RELAPSING MULTIPLE SCLEROSIS. A CASE REPORT

Isoardo G, Fassio F, Nobile M, DiVito N

IDENTIFICATION OF NEURAL, VASCULAR AND MATRIX COMPONENTS IN ANCIENT EGYPTIAN AND NATURAL MUMMIES AND A CONTEMPORARY REPLICATION OF AN EGYPTIAN MUMMY

Jeziorska M, Wade RS, Appenzeller O

ANTI-GANGLIOSIDE COMPLEX ANTIBODIES ASSOCIATED WITH SEVERE DISABILITY AND MECHANICAL VENTILATION IN GUILLAIN-BARRÉ SYNDROME

Kaida K-I, Morita D, Kanzaki M, Kamakura K, Motoyoshi K, Hirakawa M, Kusunoki S

SMALL SENSORY FIBER INVOLVEMENT IN CRYOGLOBULINEMIC NEUROPATHY

Brindani F, Marbini A, Alfieri S, Vitetta F, Giuberti T, Gemignani F

MUCOSAL NERVE DEFICIENCY IN IDIOPATHIC CHRONIC CONSTIPATION: A POST MIGRATION DEFECT?

Neppalli V, Wendelschafer-Crabb G, Jessurun J, **Kennedy WR**

THE SPECTRUM OF PERIPHERAL NEUROPATHY IN PRIMARY SJÖGREN'S SYNDROME

Gøransson LG, Herigstad A, Tjensvoll AB, Mellgren SI, Harboe E, **Omdal R**

EPIDERMAL NERVE FIBER DENSITIES IN SIX BODY LOCATIONS OF NORMAL AND DIABETIC SUBJECTS

Wendelschafer-Crabb G, Walk D, Foster S, Kennedy WR

MORPHOLOGIC CHANGES OF NON-MYELINATING SCHWANN CELLS IN CHARCOT-MARIE-TOOTH DISEASE TYPE 1A WITH THE 17p11.2 DUPLICATION

Koike H, Iijima M, Mori K, Yamamoto M, Hattori N, Sobue G

DEVELOPMENT OF A SMALL RODENT MODEL OF HIV-ASSOCIATED SENSORY NEUROPATHIES

Jack C, Zhou C, Melli G, Keswani S, **Höke A**

ACCUMULATION OF MACROPHAGES AFTER LIDOCAINE INJECTION IN THE RAT SCIATIC NERVE

Westerlund T, Vuorinen V, Røyttä M

RITUXIMAB IN ANTI-MAG POLYNEUROPATHY

Benedetti L, Gobbi M, Ghiglione E, Vigo T, Carpo M, Cocito D, Briani C, Caporale CM, Abbruzzese M, Mancardi G, Schenone A

CMT-X DISEASE: CLINICAL AND ELECTROPHYSIOLOGICAL STUDY OF TWO NOVEL CX-32 MUTATIONS

Mazzeo A, Toscano A, Muglia M, Patitucci A, Gabriele AL, Peluso G, Di Leo R, Messina C, Vita G

SCREENING FOR MUTATIONS OF CMT GENES IN A LARGE COHORT OF DUTCH PATIENTS

Meggouh F, Vreijling J, Bordewijk L, de Wissel M, Bagnay M, **Baas F**

FAMILIAR MOTONEURON DISEASE: TWO ITALIAN CASES OF ADULT FORM OF GM2 GANGLIOSIDOSIS

Fazio R, Malaguti MC, Dacci P, Previtali SC, Delcarro U, Quattrini A, Comi G

NEURO-MUSCULAR BIOPSY IN THE DIAGNOSIS OF VASCULITIC NEUROPATHY
Vital C, Vital A

HOW USEFUL ARE ANTI-NEURAL IGM ANTIBODIES IN THE DIAGNOSIS OF CHRONIC DYSIMMUNE NEUROPATHIES?

Terenghi F, Casellato C, Allaria S, Carpo M, Nobile-Orazio E

THE GENE FOR HSANI WITH DEMENTIA AND SENSORINEURAL DEAFNESS LOCALIZES TO 19p13.2

Klein CJ, Wu Y, Klein DM, Slusser JP, Cunningham JM, Smith GE, Litchy WJ, Dyck PJ

TWO DISTINCT PHENOTYPES IN WOMEN WITH CMTX1

Krajewski K, Herr E, Lewis RA, Shy ME

PROTEIN KINASE C BETA INHIBITOR LY333531 AMELIORATES DISTURBED CALCIUM HOMEOSTASIS IN SENSORY NEURONS OF STZ-INDUCED DIABETIC RATS

Tahara M, Sanada M, Omatsu-Kanbe M, Kashiwagi A, Yasuda H

ROLE OF GLIAL FIBRILLARY ACIDIC PROTEIN IN PERIPHERAL NERVE REGENERATION

Previtali SC, Triolo D, Dina G, Malaguti MC, Lorenzetti I, Amadio S, Del Carro U, Comi G, Messing A, Quattrini A

ANTI-GD1A ANTIBODIES IMPAIR NEURITE OUTGROWTH IN AN IN VITRO MODEL OF NERVE REGENERATION

Lehmann HC, Lopez PHH, Nguyen T, Zhang G, Kieseier BC, Sheikh KA

A CASE OF HIV ASSOCIATED VASCULITIS PRESENTING WITH PAINLESS SEVERE TETRAPARESIS AND BULBAR SIGNS

Renaud S, Fuhr P, Tolnay M, Steck AJ

THE EFFECT OF INSULIN ON ELECTROPHYSIOLOGICAL SUSCEPTIBILITY TO REPERFUSION INJURY IN DIABETIC NERVE

Baba M, Nukada H, Wada R, Yagihashi S

STIR IMAGE IS USEFUL FOR ESTIMATING THE PROCESS OF MUSCULAR CHANGES IN A CIDP PATIENT

Yasaki S, Takahashi Y

SUBCLASS IGG TO MOTOR GANGLIOSIDES IN RELATION TO INFECTION AND CLINICAL COURSE IN GUILLAIN-BARRÉ SYNDROME

Jacobs BC, Koga M, van Rijs W, Geleijns K, van Doorn PA, Willison HJ, Yuki N

THALIDOMIDE-INDUCED NEUROPATHY IS A DISTAL AXONOPATHY NOT DUE TO VEGF INHIBITION

Scarlato M, Briani C, Zara G, Doria A, Malaguti MC, Previtali SC, Carpo M, Del Bo R, Comi GP, Quattrini A

A NOVEL MUTATION IN THE GDAP1 GENE CAUSING SEVERE EARLY-ONSET CMT PHENOTYPE WITH BOTH AXONAL AND DEMYELINATING FEATURES

Milani M, Moroni I, Morbin M, Ciano C, Pareyson D, Taroni F

HETEROZYGOUS P0 DEFICIENCY PROTECTS MICE FROM VINCRISTINE-INDUCED POLYNEUROPATHY

Üçeyler N, Ulzheimer J, Kobzar I, Martini R, Sommer C

CUTANEOUS INNERVATION IN FRIEDREICH ATAXIA: A FOLLOW-UP STUDY

Provitara V, Nolano M, Stancanelli A, Saltalamacchia AM, Lanzillo B, Santoro L

SIRNA-MEDIATED SUPPRESSION OF BETA-CATENIN GENE EXPRESSION CAUSES CHANGES IN MORPHOLOGY, PROLIFERATION AND RATE OF APOPTOSIS IN SCHWANN CELLS IN VITRO

Gess V, Kleffner I, Halfter H, **Young P**

THE CELL-VIZIO, A NEW TOOL FOR PERIPHERAL NERVE CELLULAR AND MOLECULAR IMAGING

Loiseau S, Osdoit A, Custody C

HIV-1 GP120 INDUCED LOCAL AXONAL DEGENERATION INVOLVES CASPASES ACTIVATION

Melli G, Höke A

ROLE OF SKIN DERIVED STEM CELLS IN PERIPHERAL NERVE REGENERATION

Marchesi C, Pluderi M, Belicchi M, Gavina M, Meregalli M, Draghi L, Pisati F, Gaini SM, Bresolin N, Grimoldi N, Torrente Y

A NOVEL MUTATION IN THE NEFL GENE IN SEVERE AUTOSOMAL-DOMINANT HEREDITARY MOTOR AND SENSORY NEUROPATHY (CMT 2E)

Löscher W, Miltenberger G, Wanschitz J, Janecke AR, Auer-Grumbach M, Windpassinger C

EFFECTIVE TREATMENT OF EXPERIMENTAL ALLERGIC NEURITIS WITH FC FRAGMENT OF HUMAN IMMUNOGLOBULIN

Lin HH, Wang MX, Spies JM, Pollard JD

CERVICAL SPONDYLOTIC MYELOPATHY IN AN UNUSUAL CASE OF AMYLOID POLYNEUROPATHY

Wang AK, Wolfe D, Gultekin SH, Gorevic PD

ITALIAN LONGITUDINAL MULTICENTRIC STUDY OF ULNAR NEUROPATHY AT ELBOW (UNE)

Giannini F, Greco G, Bibbò G, Mondelli M, Romano M, Simonetti S, Di Donato G, Martino E, Callegarini C, Padua L

THE ONE LIMB MULTINEUROPATHY OF NEURAL LEPROSY

Barreira AA, Marques VD, Marques W Jr

ON THE USE OF BIODEGRADABLE MULTI-CHANNEL CONDUITS FOR PERIPHERAL NERVE REPAIR

de Ruiter GCW, Moore MJ, Wang S, Malessy MMJA, Spinner RJ, Sorenson EJ, Dyck PJ, Currier BL, Yaszemski MJ, Windebank AJ

DRUG DELIVERY SYSTEM OF BASIC FGF FOR PERIPHERAL NERVE DEFECT USING BIODEGRADABLE POLYMER CONDUIT

Koshimune M, Takamatsu K, Nakatsuka H

CORRELATION BETWEEN EPIDERMAL NERVE FIBER DENSITY AND SENSORY EXAMINATION IN SUSPECTED IDIOPATHIC PAINFUL SMALL FIBER NEUROPATHY

Walk D, Wendelschafer-Crabb G, Kennedy WR

A MODIFIED FORM OF THE PLASMA PROTEIN α 2-MACROGLOBULIN INHIBITS WALLERIAN DEGENERATION IN RESPONSE TO SCIATIC NERVE CRUSH INJURY IN MICE

Campana WM, Arandjelovic S, Myers RR, **Gonias SL**

11:30 a.m.-01:00 p.m.

Platform Session 4

"Inherited and Genetic Neuropathies"

Chairs: Michael Shy and Gianluigi Mancardi

POSITIONAL CLONING OF THE CMT2B2 GENE AND ITS IMPLICATIONS FOR CMT1A

Rautenstrauss B, Leal A, Huehne K, Bauer F, Sticht H, Berger P, Suter U, Ekici A, Pasutto F, Endeles S, Saifi M, Lupski JR, Morera B, Del Valle G, Barrantes R, Heuss D, Berghoff C, Berghoff M, Neundörfer B, Uhlmann T, Meisterernst M, Sereda MW, zu Horste GM, Nave K-A, Reis A

THE ROLE OF THE IMMUNE SYSTEM IN A MOUSE MODEL FOR CMT 1A

Verhamme C, King RHM, ten Asbroek A, de Kok-Nazaruk MM, Wolterman R, Baas F, van Schaik IN

TWO DISTINCTIVE PATHOLOGIES BETWEEN EARLY- AND LATE-ONSET OF CMT1B

Bai Y, Qin P, Ghandour K, Ianakova E, Hatfield J, Kupsky WJ, Martin J-J, Ceuterick-de Groote C, Seeman P, Mazanec R, Shy ME, **Li J**

UNFOLDED PROTEIN RESPONSE IN A MOUSE MODEL OF CMT1B NEUROPATHY

Tinelli E, Pennuto M, Dati G, D'Antonio M, Zambroni D, Dina G, Quattrini A, Feltri ML, Wrabetz L

CLINICAL, PATHOLOGICAL AND GENETIC CHARACTERIZATION OF HEREDITARY SENSORY AND AUTONOMIC NEUROPATHY TYPE 1 (HSAN I)
Houlden H, King RHM, Blake J, Jacobs J, Groves MJ, Love S, Woodward C, Hammons S, Nicoll J, Thomas PK, Reilly MM

GENOTYPE-PHENOTYPE CORRELATIONS IN CMTX1
Hahn AF, Siskind C, Krajewski K, Lewis RA, Shy ME

02:00-03:30 p.m.

Platform Session 5

“Diabetic and Metabolic Neuropathies”

Chairs: Eva L. Feldman and Peter Dyck

TREATMENT WITH THE CYTOKINE INTERLEUKIN-6 IMPROVES NERVE FUNCTION IN DIABETIC RATS
Cotter MA, Cameron NE

NEURITIN, A NOVEL NGF MESSENGER MOLECULE, IS POTENTIALLY IMPLICATED IN DIABETIC NEUROPATHY DEFICITS
Karamoysoyli E, Gardiner NJ, **Tomlinson DR**

CHARACTERIZATION OF NEW MOUSE MODELS OF DIABETIC NEUROPATHY
Sullivan KA, Vincent AM, Schin ML, Backus C, Hayes JM, McLean LL, Burke K, Russell JW, Brosius F III, Feldman EL

INCOMPLETE RECOVERY OF REGENERATIVE NOCICEPTOR FIBER SPROUTS FROM PEOPLE WITH DIABETES MELLITUS, WITH MILD OR NO NEUROPATHY
Polydefkis M, Brown A, Hauer P, Miller C, Ritsema T, Leoniak S, Griffin JW, McArthur JC

THE EFFECT OF DIET AND EXERCISE ON NEUROPATHY PROGRESSION IN SUBJECTS WITH IMPAIRED GLUCOSE TOLERANCE
Smith AG, Bixby B, Smith S, Howard J, Russell JW, Peltier AC, Goldstein J, Feldman EL, Katz B, Singleton JR

AUTONOMIC DYSFUNCTION IN SUBJECTS WITH IMPAIRED GLUCOSE TOLERANCE
Russell JW, Peltier AC, Sheikh K, Howard J, Goldstein J, Smith AG, Feldman EL, Singleton JR

04:30-06:00 p.m.

Platform Session 6

“Neurobiology of Pain”

Chairs: Claudia Sommer and Michael Polydefkis

THE “OVERTROPHED” NOCICEPTOR AND NEUROPATHIC PAIN
Griffin JW, Murinson BB, Höke A, Ringkamp M, Meyer RA

ERYTHROPOIETIN REDUCES TNF- α EXPRESSION AND PAIN PERCEPTION AFTER PERIPHERAL NERVE INJURY
Campana WM, Li X, Angert M, Dolkas J, Cai K, Myers RR

p38 MAP KINASE CONTRIBUTES TO TACTILE ALLODYNIA IN OSTEOSARCOMA BONE CANCER PAIN MODEL

Svensson CI, Brainin-Mattos J, Luo ZD, Powell HC, Tony L. Yaksh

SKIN BIOPSIES FOR SENSORY NEUROPATHIES: THE JOHNS HOPKINS EXPERIENCE

Venkataramana AB, Hauer P, Freeman B, Polley M, Miller C, Polydefkis M, McArthur JC

EFNS GUIDELINES ON THE USE OF SKIN BIOPSY IN THE DIAGNOSIS OF PERIPHERAL NEUROPATHY

Lauria G, Cornblath DR, Johansson O, McArthur JC, Mellgren SI, Nolano M, Rosenberg N, Sommer C

THE RELATIONSHIP BETWEEN FOOT PAIN AND PLANTAR PRESSURE IN NEUROGENIC AND IDIOPATHIC PES CAVUS

Burns J, Crosbie J, Hunt A, Ouvrier R

06:15-07:00 p.m.

Special PNS Fellows Platform Session

Chairs: Ahmet Höke and David R. Tomlinson

DISRUPTION OF MTMR2 IN SCHWANN CELLS PRODUCES CMT4B1-LIKE NEUROPATHY WITH MYELIN OUTFOLDINGS

Bolis A, Bussini S, Coviello S, Dina G, Previtali SC, Pardini C, Malaguti MC, Quattrini A, Wrabetz L, **Bolino A**

IGF-I INHIBITS HIGH GLUCOSE-INDUCED MITOCHONDRIAL DYSFUNCTION IN DRG NEURONS VIA BIM, BAX AND THE FISSION PROTEIN DRP1

Leininger GM, Backus C, Sastry AM, Yi Y-B, Wang C-W, Feldman EL

MICE HETEROZYGOUSLY DEFICIENT FOR THE MYELIN COMPONENT P0 SHOW INCREASED ERK-PHOSPHORYLATION AND MCP-1 EXPRESSION AT INITIAL STAGES OF PRIMARILY GENETICALLY-MEDIATED DEMYELINATION

Fischer S, Kleinschnitz C, Berghoff M, Troppmair J, Martini R

Tuesday, July 12, 2005

09:00-09:45 a.m.

PNS Fellows Platform Session 3

Chairs: Mary A. Cotter and Nobuhiro Yuki

TNF-ALPHA RETROGRADE AXONAL TRANSPORT ACTIVATES IPSILATERAL AND CONTRALATERAL SPINAL GLIA AND DRG GENE EXPRESSION AFTER PERIPHERAL NERVE INJURY

Shubayev VI, Dolkas J, Angert M, Myers RR

NEUROFILAMENT PHOSPHORYLATION IS NOT REQUIRED FOR THE MAINTENANCE OF AXONAL SURVIVAL BY MAG

Nguyen T, Sheikh KA, Garcia M, Carteret A, Cleveland D, Schnaar RL, Griffin JW

IDENTIFICATION OF NEURONAL GENE CHANGES ASSOCIATED WITH
DIABETIC NEUROPATHY USING GENE CHIP ARRAYS
Price SA, Gardiner NJ, Zeef L, Tomlinson DR

09:45-10:30 a.m.

PLENARY LECTURE 3

Chair: Richard A.C. Hughes

PRESIDENT'S ADDRESS: DRUG AND TOXIC NEUROPATHIES
Anthony J. Windebank

10:30-11:45 a.m.

Poster Session 3

HIGH-DOSE CYCLOPHOSPHAMIDE RESULTS IN LONG-TERM DISEASE
REMISSION WITH RESTORATION OF A NORMAL QUALITY OF LIFE IN
PATIENTS WITH SEVERE REFRACTORY CHRONIC INFLAMMATORY
DEMYELINATING POLYNEUROPATHY
Gladstone DE, Prestrud AA, Brannagan TH III

LOCALIZATION, REGULATION AND FUNCTIONS OF BASIC FIBROBLAST
GROWTH FACTOR IN PERIPHERAL GANGLIA AFTER NERVE LESION
Klimaschewski L

NEUROPHYSIOLOGICAL FINDINGS IN MULTIFOCAL MOTOR NEUROPATHY
Selvan VA, Slee M, Donaghy M

IDENTIFICATION OF HUMAN GENES ASSOCIATED WITH NEURITE
ELONGATION BY FK506 USING GENE MICROARRAY ANALYSIS
Gold BG, Chaudhary P, Zhong Y-P, Bourdette D

DO WOMEN AND SHORT PERSONS HAVE MORE EPIDERMAL NERVE FIBERS?
Umapathi T, Tan WL, Tan NCK, Chan YH

ALTERATIONS OF AXONAL MITOCHONDRIA IN CMT2A DUE TO MITOFUSIN 2
MUTATION: COMPARISON TO CASES WITH MITOCHONDRIAL DNA
MUTATION
Schröder JM, Verhoeven K, Van Hul M, De Jonghe P, Timmerman V

PERIPHERAL BLOOD STEM CELL TRANSPLANTATION (PBSCT) IN POEMS
POLYNEUROPATHY: EVALUATION AND OUTCOMES IN 16 PATIENTS
Suarez GA, Dispenzieri A, Moreno-Aspitia A, Lacy MQ, Gertz MA

PERIPHERAL NERVOUS SYSTEM LESIONS IN CHURG AND STRAUSS
SYNDROME
Vital A, Vital C

NEUROTROPHIN EXPRESSION IN LARYNGEAL MUSCLES FOLLOWING
DENERVATION AND REINNERVATION
Kingham PJ, Birchall MA, Terenghi G

EFFECTS OF INHIBITION OF THE NUCLEAR FACTOR KAPPA B CASCADE ON
FUNCTION OF THE GASTRIC FUNDUS INNERVATION IN DIABETIC RATS

Gibson TM, Cotter MA, **Cameron NE**

MUTATIONS IN THE PLECKSTRIN HOMOLOGY DOMAIN OF DYNAMIN 2 CAUSE DOMINANT INTERMEDIATE CHARCOT-MARIE-TOOTH DISEASE

Züchner S, Nouredine M, Kennerson M, Verhoeven K, Claeys K, De Jonghe P, Merory J, Oliveira SA, Speer MC, Stenger JE, Walizada G, Zhu D, Pericak-Vance MA, Nicholson G, Timmerman V, Vance JM

NEUROPATHY IN MICROSCOPIC POLYANGIITIS

Oku T, Oka N, **Yoshikawa H**

BURNING MOUTH SYNDROME: A NEW SMALL-FIBER SENSORY NEUROPATHY

Lauria G, Majorana A, Borgna M, Lombardi R, Penza P, Padovani A, Sapelli P

PROGRESSIVE DIABETIC SENSORY NEUROPATHY IS NOT APOPTOSIS RELATED

Sima AAF, Kamiya H

ANTISENSE OLIGONUCLEOTIDE SUPPRESSION OF TRANSTHYRETIN SYNTHESIS: A POSSIBLE TREATMENT FOR FAP

Benson MD, Kluge-Beckerman B, Sloop KW, Bodenmiller DM

ACTIVATION OF PROGRAMMED CELL DEATH MARKERS IN VENTRAL HORN MOTOR NEURONS DURING EARLY PRESYMPTOMATIC STAGES OF AMYOTROPHIC LATERAL SCLEROSIS IN A TRANSGENIC MOUSE MODEL

Wengenack TM, Holasek SS, Montano CM, Gregor D, Curran GL, **Poduslo JF**

INFLUENCE OF LOW-INTENSITY LASER THERAPY ON MOTOR AND SENSORY CONDUCTION VELOCITY VALUES OF N. PERONEUS IN PATIENTS WITH DIABETIC NEUROPATHY

Peric Z, Stojanovic I, Cvetkovic B

ADENYL CYCLASE-MEDIATED REGULATION OF MITOCHONDRIAL PROTEIN EXPRESSION IN SCHWANN CELLS: IMPLICATIONS FOR DIABETIC NEUROPATHY

Cowell R, Kennedy E, Berent-Spillsen A, Sundkvist G, **Russell JW**

RECESSIVE HEREDITARY NEUROPATHIES. CLINICAL, MORPHOLOGICAL AND GENETIC STUDIES OF 150 ALGERIAN FAMILIES

Vallat J-M, Tazir M, Grid D

SMALL-FIBER POLYNEUROPATHY IN PURE NEURAL LEPROSY

de Freitas MRG, Nascimento OJM, Hahn MD

THE SPECTRUM OF NEUROLOGICAL DISEASE ASSOCIATED WITH ANTIBODIES TO MINOR GANGLIOSIDES GM1B AND GALNAC-GD1A

Tatsumoto M, Odaka M, Koga M, Hirata K, Kuwabara S, **Yuki N**

DISTINGUISHING ACUTE-CIDP FROM GUILLAIN-BARRÉ SYNDROME WITH TREATMENT RELATED FLUCTUATIONS

Ruts L, van Koningsveld R, van Doorn PA

EXCITABILITY CHANGES OF CAT TIBIAL NERVE DURING WALLERIAN

DEGENERATION

Moldovan M, Krarup C

SUBCLINICAL PERONEAL NERVE INJURY AMONG JAPANESE PEOPLE

Jin C-Y, Shen Z-N, Baba M

RECORDING OF PERIPHERAL NERVE AFFERENT AND EFFERENT SIGNALS
WITH POLYIMIDE CUFF ELECTRODES

Lago N, Udina E, Serra J, Micera S, **Navarro X**

IMMUNOELECTRON MICROSCOPY STUDY OF SKIN BIOPSIES FROM PATIENTS
WITH DIFFERENT TYPES OF CHARCOT-MARIE-TOOTH NEUROPATHY

Schenone A, Cozzani E, Ghandour K, Pu Q, Grandis M, Cadoni A, La Padula
V, Hatfield J, Shy ME, Li J

NEUROPATHIES ASSOCIATED WITH AUTOANTIBODIES TO AN M-PHASE
PHOSPHOPROTEIN

Zochodne DW, Fritzler MJ

DOWN-REGULATION OF VEGF/VEGFR AND NEUROFILINS IN A TRANSGENIC
MODEL OF CMT1A

Panico MB, Palumbo C, Vigo T, Nobbio L, Pisani V, Terracciano C, Schenone
A, Modesti A, Massa R

TUMOR NECROSIS FACTOR-ALPHA CONVERTING ENZYME IS EXPRESSED IN
THE INFLAMED PERIPHERAL NERVOUS SYSTEM

Kurz M, Hartung H-P, **Kieseier BC**

CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY (CIDP): A
COMMON TREATMENT APPROACH TO DIFFERENT CLINICAL SYNDROMES

Jann S, Beretta S

INTRANEURAL INJECTIONS OF ANTI-GANGLIOSIDE ANTIBODIES INDUCE
REVERSIBLE CONDUCTION FAILURE

David MA, Spies JM, Pollard JD, Zhang G, Armati P, Sheikh KA

CLINICAL FINDINGS THAT APPROPRIATELY INDICATE SEVERITY OF DIABETIC
POLYNEUROPATHY

Hasegawa O, Kawasaki S, Ishii M, Matsumoto S

THE PAIN OF CARPAL TUNNEL SYNDROME OCCURS SECONDARY TO
LOCALIZED ION CHANNEL MIGRATION

Bear D, Rummeler L, **Gupta R**

THE ROLE OF MEMBRANE ATTACK COMPLEX (MAC) IN COMPLEMENT
COMPONENT C6 DEFICIENT LEWIS RAT

Tran GT, Carter N, Killingsworth M, Nomura M, Hall BM, Hodgkinson SJ

PLEIOTROPHIN IS A NEUROTROPHIC FACTOR FOR MOTOR AND SENSORY
NEURONS

Mi R, **Höke A**

SKIN DERIVED STEM CELLS: A SOURCE OF SCHWANN CELLS THAT SURVIVE

AND ENSHEATH AXONS UPON TRANSPLANTATION INTO PERIPHERAL NERVE
Midha R, McKenzie I, Biernaskie J, Miller F

TWO CASES OF NEUROPATHY IN CHURG-STRAUSS VASCULITIS
Ghiglione E, Reni L, Strada L, Schenone A, Abbruzzese M

EXPRESSION OF CILIARY NEUROTROPHIC FACTOR (CNTF) IN CHARCOT-MARIE-TOOTH TYPE 1A (CMT1A) DISEASE
Vigo T, Schenone A, Mancardi G, Abbruzzese M, **Nobbio L**

EXPERIMENTAL CHARCOT-MARIE-TOOTH TYPE 1A: A CDNA MICROARRAYS ANALYSIS
Vigo T, Nobbio L, Van Hummelen P, Abbruzzese M, Mancardi G, Sereda MW, Nave K-A, Timmerman V, Schenone A

THE EFFECT OF STATIN ON EXPERIMENTAL AUTOIMMUNE NEURITIS
Kiyozuka T, Fujioka T, Miura H, Kawabe K, Iguchi H, Kurihara T, Iwasaki Y

MECHANISMS RESPONSIBLE FOR MORPHOLOGICAL SUSCEPTIBILITY TO ISCHAEMIA/REPERFUSION IN DIABETIC NERVE
Nukada H, McMorran D, Baba M, Wada R, Yagihashi S

MULTIFOCAL MOTOR NEUROPATHY DURING TREATMENT WITH INFLIXIMAB
Cocito D, Costa P, Ciaramitaro P, Tavella A, Poglio F, Paolasso I, Isoardo G

NEUROFIBROMATOSIS-LIKE NEUROPATHY MIMICKING A CIDP PRESENTING WITH A PROGRESSIVE DISTAL TETRAPARESIS. A CASE REPORT
Urbanits S, Lahrman H, Horvath B, Hainfellner J, Haberler C, Brandl I, Grisold W

A PRECONDITIONING LESION ENHANCES NEURITE OUTGROWTH OF ADULT SENSORY NEURONS ON SPECIFIC FIBRONECTIN FRAGMENTS
Gardiner NJ, Tomlinson DR, Fernyhough P, Streuli CH

CHARCOT-MARIE-TOOTH TYPE X: DESCRIPTION OF A FAMILY WITH A NEW MUTATION IN CONNEXIN 32 GENE
Cafforio G, Baldinotti F, Bertini V, Piazza S, Volpi L, Maluccio MR, Simi P, Siciliano G

A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, DOSE-RANGING STUDY OF INTERFERON BETA-1A (AVONEX®) IN CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY
Pollard JD, Ropper A, Cros D, Vallat J-M, Toal M, Dawson K, Riester K

DOES SMALL FIBER NEUROPATHY AFFECT SELECTIVELY SMALL FIBERS?
Nolano M, Provitera V, Stancanelli A, Saltalamacchia AM, Lanzillo B, Santoro L

DIAGNOSTIC VALUE OF ANTI-GM1 GANGLIOSIDE SEROLOGY AND VALIDATION OF THE INCAT-ELISA
Kuijf ML, van Doorn PA, Tio-Gillen AP, Geleijns K, Ang CW, Jacobs BC

SYMPATHETIC ADRENERGIC INNERVATION OF THE SKIN: AN

IMMUNOFLUORESCENCE CONFOCAL STUDY

Donadio V, Nolano M, Provitera V, Stancanelli A, Lullo F, Liguori R, Santoro L

RELIABILITY STUDY ON CLINICAL OUTCOME MEASURES FOR CLINICAL TRIALS ON CHARCOT-MARIE-TOOTH DISEASE

Pareyson D, Laurà M, Salsano E, Schenone A, Quattrone A, Rizzuto N, Fabrizi GM, Santoro L, Vita G, Gemignani F, Padua L, Solari A

FREQUENCY OF POLYNEUROPATHIES IN AN OUT-PATIENT REFERENCE CENTER

Nascimento OJM, de Freitas MRG, Escada TM, Quintanilha G, Lacerda G, Hahan M, Maroco M

ELECTRICAL CONDUCTION REGULATES AXOTOMY-INDUCED NF- κ B ACTIVATION IN ADULT RAT SENSORY NEURONS

Smith DR, Van Der Ploeg RP, Schapansky JS, Gardiner PF, Glazner GW

TTRMET(30) FAMILIAL AMYLOID POLYNEUROPATHY (FAPTTRMET30) WITH NEUROPHYSIOLOGICAL PATTERN SUGGESTIVE OF A MULTIFOCAL DEMYELINATING NEUROPATHY

Marques VD, Marques W Jr, Elias J Jr, Barreira AA

ENDOTHELIN-1 AND ECE-1 IN INFLAMMATORY NEUROPATHIES: AN IN SITU HYBRIDIZATION STUDY

Volpi N, Massai L, Giannini F, Greco G, Magi S, Mencarelli M, Alessandrini C

PROTEOMIC ANALYSIS OF MYELIN PROTEINS FROM SINGLE MYELINATED FIBERS

Tatum AH

PERIPHERAL NEUROPATHY ASSOCIATED WITH MILD VITAMIN B12 DEFICIENCY

Marquez J, Jaradeh S

INHERITED ULCERO-MUTILATING NEUROPATHIES CMT2B AND HSN1 IN CZECH FAMILIES

Seeman P, Mazanec R, Boehm J, Ridzon P, Baránková L, Windpassinger C, Auer-Grumbach M

11:45 a.m.-12:30 p.m.

Platform Session 7

"Toxic Neuropathies"

Chairs: Giovanni Tredici and Wolfgang Grisold

MORPHOLOGICAL AND MORPHOMETRIC ANALYSIS OF PACLITAXEL AND DOCETAXEL-INDUCED PERIPHERAL NEUROPATHY IN RATS

Persohn E, Traebert M, Canta A, Gilardini A, Galbiati S, Nicolini G, Giussani G, Marmiroli P, Cavaletti G

VALIDATION OF THE TOTAL NEUROPATHY SCORE (TNS) TO ASSESS THE PERIPHERAL NEUROTOXICITY OF DIFFERENT CHEMOTHERAPY SCHEDULES

Cavaletti G, Jann S, Pace A, Plasmati R, Siciliano G, Briani C, Cocito D, Padua L, Logullo F, Schenone A, Rottoli M, the Italian NETox Group

PERIPHERAL NEUROTOXICITY OF PEGYLATED ALPHA INTERFERONS (PEG-IFNS): PROSPECTIVE STUDY IN CHRONIC HEPATITIS C

Briani C, Zara G, Bernardinello E, Cavalletto L, Ruggero S, Toffanin E, Ermani M, Chemello L

Wednesday, July 13, 2005

09:00-09:45 a.m.

PNS Fellows Platform Session 4

Chairs: Guido Stoll and Giuseppe Lauria

VH AND VL-GENE ANALYSIS IN POLYNEUROPATHY ASSOCIATED WITH IGM MGUS

Eurelings M, Notermans NC, Lokhorst HM, van Kessel B, Wokke JHJ, Bloem A

IN VITRO MYELINATION OF MOUSE DORSAL ROOT GANGLIA NEURONS BY HIGHLY PURIFIED ADULT MOUSE SCHWANN CELLS

Kleffner I, Gess B, Halfter H, Young P

L5 MIXED SPINAL NERVE TRANSECTION PRODUCES WIDESPREAD PARTIAL DENERVATION OF C-FIBER (REMAK) BUNDLES IN DISTAL PERIPHERAL NERVES

Murinson BB, Meyer RA, Griffin JW

09:45-10:30 a.m.

Platform Session 8

"Neuropathy and Systemic Diseases"

Chairs: Philip A. Low and Angelo Schenone

EXPLORING THE SPECTRUM OF AUTOIMMUNE AUTONOMIC NEUROPATHY (AAN)

Sandroni P, Vernino S, Lennon VA, Klein CM, Thieben MJ, Benrud-Larson LM, Fealey RD, Low PA

THE SUDOMOTOR AXON REFLEX RESPONSE INDICATES PRECLINICAL POLYNEUROPATHY IN SUBJECTS WITH IMPAIRED GLUCOSE REGULATION

Peltier AC, Consens FB, Sheikh K, Russell JW

A SELECTIVE LOSS OF SMALL-DIAMETER NERVE FIBERS IN SYSTEMIC LUPUS ERYTHEMATOSUS

Gøransson LG, Tjensvoll AB, Herigstad A, Mellgren SI, **Omdal R**

10:30 a.m.-12:00 p.m.

Poster Session 4

EFFECTS OF A MUTATION IN THE CCT4 CHAPERONIN SUBUNIT ON THE PHENOTYPE OF ADULT RAT LUMBAR DORSAL ROOT GANGLION NEURONS

Groves MJ, Reilly MM, Stephenson D, Scaravilli F

CONTRALATERAL CYTOKINE GENE INDUCTION AFTER PERIPHERAL NERVE

LESIONS: DEPENDENCE ON THE MODE OF INJURY AND NMDA RECEPTOR SIGNALING

Kleinschnitz C, Sommer C, Brinkhoff J, Toyka KV, Stoll G

SERIAL ELECTROPHYSIOLOGICAL STUDIES IN RHESUS MONKEYS WITH KRABBE DISEASE

Weimer MB, Gutierrez A, Baskin GB, Borda JT, Veazey RS, Myers L, Phillippi-Falkenstein KM, Bunnell BA, Ratterree MS, England JD

PAST COMPUTATIONAL PROPERTIES OF NERVE NET MODELS AND EXCITABILITY FLUCTUATIONS OF EXPERIMENTAL NERVE PROTOTYPES: PRESENT APPLICATIONS TO EMG PROFILE IN ANTI-MAG NEUROPATHY AND CIDP

Echebarría SG

IS INFLAMMATORY AXONAL NEUROPATHY AN AUTOIMMUNE DISEASE?

Oh SJ, Vehra N, Hatanaka Y, Hemmi S, Claussen GC

MEPP FREQUENCY INCREASE OF THE VARIANT TYPE GUILLAIN-BARRÉ SYNDROME. PREDNISOLONE EFFICACY IN VITRO

Kishi M, Shioya K, Saita K, Kumamoto K, Nakazato M

PERIPHERAL NERVOUS SYSTEM INVOLVEMENT IN NIEMANN-PICK DISEASE TYPE A

Rigolio R, Vercelli A, Gilardini A, Bossi M, Avezza F, Tredici G, Marmioli P, Cavaletti G

EXPRESSION PROFILING OF THE PERIPHERAL NERVE: COMPARISON OF MOUSE AND MEN

ten Asbroek A, van Ruissen F, Waaijer R, Ruijter JM, Baas F

NEUROPHYSIOLOGIC AND QUANTITATIVE SENSORY TESTING IN THE DIAGNOSIS OF TRIGEMINAL NEUROPATHY AND NEUROPATHIC PAIN

Jääskeläinen SK, Teerijoki-Oksa T, Forssell H

DIFFERENTIATION POTENTIAL OF MESENCHYMAL STEM CELLS FOR THEIR USE IN PERIPHERAL NERVE REGENERATION

Caddick J, Wiberg M, Terenghi G

SONIC HEDGEHOG AMELIORATES GENE EXPRESSION DEFICITS FOR STRUCTURAL PROTEINS IN EXPERIMENTAL DIABETIC NEUROPATHY

Burnand R, **Tomlinson DR**

SYNAPOPODIN AND 4 NOVEL GENES IDENTIFIED IN PRIMARY SENSORY NEURONS

Verpoorten N, Verhoeven K, Weckx S, Jacobs A, Serneels S, Del Favero J, Ceuterick C, Van Bockstaele DR, Berneman ZN, Van Den Bosch L, Robberecht W, Nobbio L, Schenone A, Dessaud E, deLapeyrière O, Huylebroeck D, Zwijzen A, De Jonghe P, **Timmerman V**

MANIFESTING CARRIERS AND GENETIC HETEROGENEITY IN GIANT AXONAL NEUROPATHY

Houlden H, Roper H, Blake J, Reilly MM

ADULT POLYGLUCOSAN BODY DISEASE ASSOCIATED POLYNEUROPATHY
WITHOUT CENTRAL NERVOUS SYSTEM INVOLVEMENT

Gruis KL, Peltier AC, Blaivas M, Russell JW

IMMORTALIZATION AND DEVELOPMENT OF A NOCICEPTIVE DRG NEURONAL
CELL LINE

Chen W, Liang H, Zhou C, **Höke A**

VISUAL ELECTROPHYSIOLOGIC FINDINGS IN PATIENTS WITH CHARCOT-
MARIE-TOOTH DISEASE

Stojkovic T, de Seze J, Bouacha I, Arndt C, Defoort-Dhelemmes S, Hache J-
C, Vermersch P

DIABETES MELLITUS AND PERIPHERAL FACIAL NERVE PARALYSIS:
EVALUATION OF PERIPHERAL NERVES IN PATIENTS WITH PERIPHERAL
FACIAL PARALYSIS

Sahin R, Kiziltan ME, Akalin MA

MULTIFOCAL MOTOR NEUROPATHY (MMN) ASSOCIATED WITH MONOCLONAL
ANTI-GD1A IgMk MGUS

Logullo F, Arabi S, Manicone M, Di Bella P

ITALIAN MULTICENTER STUDY ON CHARCOT-MARIE-TOOTH PATIENTS:
QUALITY OF LIFE AND DISABILITY RELATED TO PHENOTYPE AND GENOTYPE

Padua L, Aprile I, Fabrizi GM, Pareyson D, Quattrone A, Rizzuto N, Schenone
A, Vita G

OUTCOME OF VENTILATORY SUPPORT IN PATIENTS WITH GUILLAIN BARRÉ
SYNDROME

Al-Zaidi MA, Al-Memmar AY

INTRAEPIDERMAL NERVE FIBRE DENSITY, QUANTITATIVE SENSORY TESTING
AND NERVE CONDUCTION STUDIES IN PATIENTS WITH SYMPTOMS AND
SIGNS OF SENSORY POLYNEUROPATHY

Loseth S, Lindal S, Stalberg E, Mellgren SI

MOLECULAR PROFILE OF NUCLEAR FACTOR- κ B-MODULATED GENES IN
FAMILIAL AMYLOIDOTIC POLYNEUROPATHY: A MICROARRAY ANALYSIS

Mazzeo A, Aguenouz M, Toscano A, Messina C, Vita G

BILATERAL SYMMETRICAL PERONEAL NEUROPATHY: RAPID RECOVERY AFTER
IVIG

Toscano A, Mazzeo A, Cianci V, Girlanda P, Messina C, Vita G

PAINFUL AXONAL PERIPHERAL NEUROPATHY: ATYPICAL PRESENTATION OF
WHIPPLE DISEASE?

Fazio R, Terreni M, Grassi S, Quattrini A, Malaguti MC, Dacci P, Comi G

INCREASED ANTIGEN SPECIFIC CSF/SERUM INDICES OF ANTI- α B-
CRYSTALLIN ANTIBODIES IN GUILLAIN-BARRÉ SYNDROME

Wanschitz J, Ehling R, Löscher W, Reindl M, Berger T

CHARACTERISTICS OF VELCADE-INDUCED PERIPHERAL NEUROPATHY

Chaudhry V, Cornblath DR, George B, Borrello I

LOCAL DELIVERY OF ERYTHROPOIETIN IMPROVES REGENERATION
FOLLOWING EXPERIMENTAL NERVE INJURY

Toth C, Chen Y, Diggle J, Zochodne DW

GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR-INDUCED SIGNALING IN
SCHWANN CELLS

Iwase T, Bae H, Jung C-G, Zhang M, Cook S, **Soliven B**

WIDE-RANGED CLINICAL MANIFESTATIONS IN SJÖGREN'S SYNDROME-
ASSOCIATED NEUROPATHY

Mori K, Iijima M, Koike H, Hattori N, Saito T, Asakura K, Hirayama M, Sobue
G

ULTRASTRUCTURE IN HUMAN INTRAEPIDERMAL NERVE FIBER

Hirai T, Kanbe M, Nakagawa H, Inoue K

AN AUTOPSY CASE OF CRITICAL ILLNESS POLYNEUROPATHY WITH SEPTIC
MENINGOENCEPHALOPATHY IN DIABETES MELLITUS

Kamijo M, Morishita S, Sakakibara T, Hashizume Y, Baba M

ERASMUS GBS OUTCOME SCALE (EGOS): A BEDSIDE SCORING SYSTEM TO
PREDICT OUTCOME IN GUILLAIN-BARRÉ SYNDROME

van Koningsveld R, Steyerberg EW, van Doorn PA, Jacobs BC

INFLUENCE OF TNF-ALPHA ON TRPV1 IMMUNOREACTIVITY IN PRIMARY
SENSORY NEURONES IN VITRO

Boettger MK, Boettger S, Sommer C

PATHOPHYSIOLOGICAL HETEROGENEITY OF CONDUCTION BLOCKS IN
MULTIFOCAL MOTOR NEUROPATHY

Bossi B, Ardolino G, Bertolasi L, Carpo M, Nobile-Orazio E, Barbieri S, Priori A

MECHANISM OF ACTION OF CD4+ CD25+ TOLERANT T CELLS IN
EXPERIMENTAL ALLERGIC NEURITIS (EAN)

Hodgkinson SJ, Carter N, Tran GT, Robinson C, Hall BM

THE VALUE OF INVESTIGATION OF DERMAL NERVES WITH SEMI-THIN
SECTIONS AND HISTOMORPHOMETRY FOR THE DIAGNOSIS OF
INDETERMINATE LEPROSY

Raposo MAF, Maceira JP, **Chimelli L**

ELECTROPHYSIOLOGICAL COMPARISON BETWEEN CMT1A AND CMT1
PATIENTS WITH AUTOSOMAL DOMINANT INHERITANCE AND WITHOUT
MOLECULAR DIAGNOSIS

Manganelli F, Bellone E, Santoro L

BSCL2 MISSENSE MUTATION IN AN ITALIAN CASE WITH DISTAL MOTOR
NEUROPATHY AND SILVER SYNDROME (SPG17)

Siciliano G, Cafforio G, Mancuso M, Calabrese R, Martinuzzi A, Bassi MT,
Crippa F, Murri L

STRUCTURAL REQUIREMENTS OF ANTI-GD1A ANTIBODIES DETERMINES THEIR TARGET SPECIFICITY

Lopez PHH, Zhang G, Schnaar RL, Sheikh KA

PASSIVE TRANSFER STUDIES IN MICE OVER EXPRESSING GD1A GANGLIOSIDE

Zhang G, Lopez PHH, **Sheikh KA**

IDENTIFICATION OF THE FOUNDER HMSN-LOM MUTATION IN THE NDRG1 GENE IN THREE ITALIAN GYPSY FAMILIES

Milani M, Moroni I, Balestrini MR, Micheli R, Ciano C, Pareyson D, Taroni F

CHARACTERIZATION OF A MOUSE MODEL FOR REFSUM DISEASE

Brites P, Komen JC, Hamers FP, Duran M, Zomer AW, van der Saag P, Wanders RJ, Poll-The BT, Ferdinandusse S

PATHOGENIC PATHWAYS OF ACRYLAMIDE NEUROTOXICITY IN VITRO

Melli G, Höke A

REHABILITATION MANAGEMENT OF CHARCOT-MARIE-TOOTH DISEASE

Zuccarino R, Schenone A, Grandis M, Narciso E, Ghiglione E, Reni L, Pisotti L, Mantero M, Maggi G

THE PHOSPHODIESTERASE INHIBITOR ROLIPRAM PROMOTES AXONAL REGENERATION OF TRANSECTED PERIPHERAL NERVES

Furey MJ, **Gordon T**

MONONEUROPATHY OF THE PERONEAL NERVE AS UNUSUAL COMPLICATION OF MULTIPLE MYELOMA IGA LAMBDA: A CASE REPORT

Gualandi C, Geraldini C, Mignogna T, Andriani A, Tarquini D, D'Alessandro A

LATE-ONSET TTRMET30 FAMILIAL AMYLOID POLYNEUROPATHY (FAP^{TTRMET30})

Marques W Jr, Oliveira MF, Marques VD, Bastos PG, Sobreira C, Barreira AA

A CHEMICAL AND PHYSICAL ASSESSMENT OF SMALL NERVE FIBER FUNCTION IN DIABETES MELLITUS

Berghoff M, Kilo S, Freeman R

CLINICAL, NEUROPHYSIOLOGICAL AND MORPHOLOGICAL FINDINGS IN SEVERE CYCLOSPORINE INDUCED POLYNEUROPATHY

Greco G, Volpi N, Carrì MT, Bibbò G, Voltolini L, Alessandrini C, Giannini F

NEURONAL DEFICITS IN IN VITRO MODELS OF DIABETES RELATED NEUROPATHIES

Nuydens R, Jarvis I, De Jongh R, Vissers K, Meert T

SELECTIVE ENGRAFTMENT OF BONE MARROW STROMAL CELLS IN LUMBAR DORSAL ROOT GANGLIA AND SPINAL CORD FROM RATS SUBJECTED TO SCIATIC NERVE LESION

Coronel MF, Musolino PL, Villar MJ

THE CELL-VIZIO, A NEW TOOL FOR IMAGING PERIPHERAL NERVE
REGENERATION

Loiseau S, Osdoit A, **Cavé C**

MAPK INVOLVEMENT IN PLATINUM COMPOUNDS TOXICITY ON RAT DRG
NEURONS

Scuteri A, Nicolini G, Canta A, Galbiati S, Gilardinia A, Losa D, Cavaletti G,
Tredici G

HLA CLASS II ALLELE FREQUENCY AND IVIG RESPONSIVENESS IN JAPANESE
CIDP

Iijima M, Mori K, Koike H, Hattori N, Tanaka F, Yamamoto M, Sobue G

EPO-ANALOGUE CEPO NOT ONLY PROTECTS BUT EVEN REVERSES
PERIPHERAL NERVE ABNORMALITIES IN STREPTOZOTOCIN-DIABETIC RATS

Bianchi R, Savino C, Cavaletti G, Oggioni N, Lauria G, Borgna M, Lombardi R,
Cerami A, Brines M, Ghezzi P

MORPHOLOGY AFTER SYNERGISTIC TERMINAL END-TO-SIDE NERVE GRAFT
REPAIR: INVESTIGATION IN A NON-HUMAN PRIMATE MODEL

Schmidhammer R, Hausner T, Redl H, Millesi H

CLINICAL UTILITY OF DORSAL SURAL NERVE AND PLANTAR NERVE
CONDUCTION STUDIES IN PATIENTS WITH DIABETES MELLITUS - NORMAL
VALUES AMONG HEALTHY JAPANESE, AND CLINICAL APPLICATIONS TO
DIABETIC POLYNEUROPATHY

Kurita A, Nakamura M, Ito Y, Kawaguchi S, Takagi S, Inoue K

COLD OR HEAT PARALYSIS IN PERIPHERAL NEUROPATHIES AND THEIR
MECHANISMS

Franssen H, van Asseldonk J-T, Gebbink T, van den Berg LH, van Schelven
LH

IS THERE PERIPHERAL NEUROPATHY IN Hexb -/- MOUSE MODELS OF
SANDHOFF'S DISEASE?

McNally M, Strichartz G, Seyfried T, Kirschner D

12:00-01:00 p.m.

Platform Session 9

"Outcome Measures"

Chairs: David R. Cornblath and Guido Cavaletti

THE AMC LINEAR DISABILITY SCORE (ALDS): A PRIMARY OUTCOME SCALE
FOR CLINICAL TRIALS IN PERIPHERAL NERVE DISEASE

Weisscher N, van Schaik IN, de Haan RJ, Holman R, Vermeulen M

ITALIAN MULTICENTRE STUDY ON QUALITY OF LIFE AND DISABILITY IN
PATIENTS WITH POLYNEUROPATHY: RELATIONSHIP BETWEEN NERVE
INVOLVEMENT AND QOL AND DISABILITY

Pazzaglia C, Caliendo P, Aprile I, Schenone A, Benedetti L, Tonali P, Nobile-
Orazio E, Padua L, for the Italian NEUROPA Study Group

AXONAL CONDUCTION VELOCITY AND SINGLE FIBER EMG NEEDLE
CONDUCTION VELOCITY: VIRTUAL AND REAL ASPECTS OF A NEW MORE
SENSITIVE NERVE CONDUCTION TEST

Caliandro P, Stalberg E, Tonali P, Aprile I, Pazzaglia C, Tagliente D, Padua L

DEVELOPMENT AND VALIDATION OF DIAGNOSTIC CRITERIA FOR CHRONIC
INFLAMMATORY DEMYELINATING POLYNEUROPATHY

Koski CL; Study Group for Validation of CIDP Criteria