

Saturday, September 21, 2013

14:30-16:00

Hall I

Teaching Course 1: Challenges in epilepsy treatment

Chairpersons: **A. Guekht, *Russia***
 C. Baumgartner, *Austria*

14:30 **TRENDS IN ANTIEPILEPTIC PHARMACOTHERAPY**
 C. Baumgartner, *Austria*

15:15 **EPILEPSY IN FEMALES OF CHILDBEARING AGE**
 T. Tomson, *Swaziland*

16:00 Break

14:30-16:00

Hall J

Teaching Course 6: How to read EEG

Chairpersons: **E. Trinka, *Austria***
 T.P. Bleck, *USA*

14:30 **INTRODUCTION**
 E. Trinka, *Austria*

14:40 **BASIC PRINCIPLES FOR EEG READING**
 G. Bauer, *Austria*

15:20 **USE AND ABUSE OF CLINICAL EEG**
 E. Trinka, *Austria*

16:00 Break

14:30-16:00

Hall K

Teaching Course 4: CNS infection around the world including tropical neurology

Chairpersons: **E. Schmutzhard, *Austria***
 S.M. Katrak, *India*

14:30 **VASCULITIS AND STROKE IN CNS**
 TUBERCULOSIS
 S.M. Katrak, *India*

15:15 **NEW DEVELOPMENTS IN ACUTE BACTERIAL**
 MENINGITIS
 E. Schmutzhard, *Austria*

16:00 Break

Saturday, September 21, 2013

14:30-16:00

Hall L

Teaching Course 3: Neurorehabilitation

Chairpersons: S. Clarke, *Switzerland*
E. Auff, *Austria*

14:30 UNDERSTANDING MOTOR RECOVERY AFTER
STROKE

G. Kwakkel, *The Netherlands*

15:15 RECOVERY OF COGNITIVE FUNCTIONS

S. Clarke, *Switzerland*

16:00 Break

14:30-16:00

Hall M

Teaching Course 2: Headache - Management of headache - An update

Chairpersons: S.-J. Wang, *Taiwan*
R.H. Jensen, *Denmark*

14:30 THE ESSENTIALS OF A GOOD HEADACHE
HISTORY

S.-J. Wang, *Taiwan*

15:15 ORGANIZATION OF HEADACHE SERVICE

F. Sakai, *Jamaica*

16:00 Break

16:30-18:00

Hall I

Teaching Course 1: Challenges in epilepsy treatment (cont.)

Chairpersons: A. Guekht, *Russia*
C. Baumgartner, *Austria*

16:30 STATUS EPILEPTICUS: AN UPDATE

A. Rossetti, *Switzerland*

17:15 AEDS IN THE TREATMENT ON NON-EPILEPTIC
CONDITIONS

A. Guekht, *Russia*

Saturday, September 21, 2013

16:30-18:00

Hall J

Teaching Course 6: How to read EEG (cont.)

Chairpersons: E. Trinka, *Austria*
T.P. Bleck, *USA*

16:30 EEG IN PATIENTS WITH DISTURBED
CONSCIOUSNESS
P. Kaplan, *USA*

17:15 EEG IN SPECIAL SITUATIONS: ACUTE SETTING
AND ICU
T.P. Bleck, *USA*

16:30-18:00

Hall K

Teaching Course 4: CNS infection around the world including tropical neurology (cont.)

Chairpersons: E. Schmutzhard, *Austria*
S.M. Katrak, *India*

16:30 HELMINTHIC INFESTATIONS OF THE CENTRAL
NERVOUS SYSTEM
P.-M. Preux, *France*

17:15 NODDING SYNDROME - A NEW INFECTIOUS(?)
DISEASE ENTITY IN EASTERN AFRICA
R. Idro, *Uganda*

16:30-18:00

Hall L

Teaching Course 3: Neurorehabilitation (cont.)

Chairpersons: E. Auff, *Austria*
S. Clarke, *Switzerland*

16:30 TRAUMATIC BRAIN INJURY REHABILITATION IN
PEDIATRIC AND ADOLESCENT PATIENTS
L.W. Braga, *Brazil*

17:15 NEUROPHARMACOLOGICAL ASPECTS OF
NEUROREHABILITATION
E. Auff, *Austria*

Saturday, September 21, 2013

16:30-18:00

Hall M

**Teaching Course 2: Headache - Management of headache
- An update (cont.)**

Chairpersons: **S.-J. Wang**, *Taiwan*
 R.H. Jensen, *Denmark*

16:30 **MANAGEMENT OF PRIMARY HEADACHES**
 J. Schoenen, *Belgium*

17:15 **MANAGEMENT OF SECONDARY HEADACHES**
 R.H. Jensen, *Denmark*

Sunday, September 22, 2013

07:00-08:00

Hall D

Free Teaching Course 7: How to interpret CT/MRI in acute stroke

Speaker: F. Fazekas, *Austria*

08:00-08:45

Hall A

Plenary Lectures

Chairpersons: V. Hachinski, *Canada*
E. Auff, *Austria*

08:00 **VIENNA AND THE AGE OF INSIGHT**
E. Kandel, *USA*

09:00-10:30

Hall A

Diagnosis and Management of Epilepsy in Resource-limited settings

Chairpersons: G. Birbeck, *Zambia*
M. Zebenigus, *Ethiopia*

09:00 **KNOWLEDGE GAPS, RESEARCH NEEDS AND THE ROLE OF INTERNATIONAL COLLABORATIONS**
G. Birbeck, *Zambia*

09:20 **INSIGHTS GAINED THROUGH THE CHINA DEMONSTRATION PROJECT**
D. Zhou, *China*

09:40 **AN UPDATE ON MEASURING THE GLOBAL BURDEN OF EPILEPSY: THE 2005 GLOBAL BURDEN OF DISEASE STUDY METHODS AND RESULTS**
A.-C. Meyer, *Kenya*

10:00 **ESTABLISHING EPILEPSY CARE SERVICES IN IRAN**
A. Asadi-Pooya, *Iran*

10:30 Coffee Break, Poster and Exhibition Visit

Sunday, September 22, 2013

09:00-10:30

Hall B

Chronic Migraine

Chairpersons: S.D. Silberstein, *USA*
P. Goadsby, *UK*

09:00 **PATHOPHYSIOLOGY OF CHRONIC HEADACHE**
P. Goadsby, *UK*

09:20 **DIAGNOSIS AND CLASSIFICATION**
S.D. Silberstein, *USA*

09:40 **PHARMACOLOGIC TREATMENT**
D. Dodick, *USA*

10:00 **NEUROMODULATION**
J. Schoenen, *Belgium*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall C

Motor and Cognitive Neurorehabilitation

Joint World Federation of Neurology / World Federation of Neurorehabilitation Session

Chairpersons: S. Clarke, *Switzerland*
E. Auff, *Austria*

09:00 **SHAPING PLASTICITY TO ENHANCE RECOVERY
AFTER INJURY**
R. Nudo, *USA*

09:20 **MOTOR REHABILITATION: OUTCOME AND
EVIDENCE**
G. Kwakkel, *The Netherlands*

09:40 **NEUROSTIMULATION OF LANGUAGE TRAINING**
S. Cappa, *Italy*

10:00 **NEURAL PLASTICITY UNDERLYING RECOVERY
FROM NEGLECT**
S. Clarke, *Switzerland*

10:30 Coffee Break, Poster and Exhibition Visit

Sunday, September 22, 2013

09:00-10:30

Hall D

Making the case for neurology

Chairpersons: D. Silberberg, *USA*
J. Olesen, *Denmark*

- 09:00 **THE COST OF NEUROLOGICAL DISORDERS IN LOW INCOME COUNTRIES - ADVOCACY VIA FINANCES AND HUMAN CAPITAL**
D. Bergen, *USA*
- 09:20 **THE COST OF NEUROLOGICAL DISORDERS IN EUROPE - ADVOCACY VIA FINANCES**
J. Olesen, *Denmark*
- 09:40 **DO THE DATA INFLUENCE PUBLIC POLICY?**
B. Vickrey, *USA*
- 10:00 **THE GLOBAL BURDEN OF DISEASE - ADVOCACY VIA EPIDEMIOLOGY**
G. Birbeck, *Zambia*
- 10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall E

Central Nervous System Infections

Chairpersons: S.M. Katrak, *India*
E. Katabira, *Uganda*

- 09:00 **MEASLES VIRUS AND THE NERVOUS SYSTEM**
D.E. Griffin, *USA*
- 09:30 **STEM CELL AND SOLID ORGAN TRANSPLANT - INDUCED CENTRAL NERVOUS SYSTEM INFECTIONS**
S.M. Katrak, *India*
- 10:00 **CHANGING CLINICAL SCENARIOS IN TUBERCULOSIS MENINGITIS**
D. Heemskerk, *UK*
- 10:30 Coffee Break, Poster and Exhibition Visit

Sunday, September 22, 2013

09:00-10:30

Hall G

Free Papers Session 1: Epilepsy

Chairpersons: **A. Gil-Nagel**, *Spain*
R. Kälviäinen, *Finland*

- 09:00 **EPILEPSY: A GLOBAL CRY, RAISING UP THE VOLUME**
R.N. Mbugua, *Kenya*
- 09:10 **ASSESSMENT OF CONNECTIVITY STRENGTH BETWEEN THE PRIMARY FOCUS AND REMOTE CORTICAL FDG PET ABNORMALITIES IN CHILDREN WITH NON-LESIONAL EPILEPSY**
O. Muzik, C. Juhasz, J. Hua, E. Asano, H. Chugani, *USA*
- 09:20 **PRESCRIPTION PATTERNS AND SELF-REPORTED SIDE EFFECTS OF ANTIEPILEPTIC DRUGS IN PATIENTS WITH EPILEPSY AT TERTIARY REFERRAL CENTER IN AUSTRIA**
E. Patariaia, R. Jung, K. Trimmel, S. Aull-Watschinger, *Austria*
- 09:30 **EFFICACY OF ESLICARBAZEPINE ACETATE AS ADJUNCTIVE THERAPY OF ADULT PATIENTS WITH PARTIAL-ONSET SEIZURES UP TO ONE YEAR OF FOLLOW-UP**
A. Gil-Nagel, C. Elger, E. Ben-Menachem, **R. Sousa**, J. Moreira, P. Soares-da-Silva^{4,5}, *Spain, Germany, Sweden, Portugal*
- 09:40 **HEALTH ECONOMIC CONSEQUENCES OF EPILEPSY IN AUSTRIA**
F. Schwendinger, T.E. Dorner, K.V. Stein, B. Seidl, E. Patariaia, *Austria*
- 09:50 **NEURAL AUTOANTIBODIES AND IMMUNOTHERAPY-RESPONSIVE EPILEPSY: A PROSPECTIVE STUDY**
R. Iorio, G. Assenza, G. Della Marca, G. Colicchio, M. Tombini, V. Damato, A. Benvenga, A. Evoli, D. Plantone, A. Marti, C. Vollono, G. Frisullo, A.P. Batocchi, *Italy*
- 10:00 **ADVERSE BIRTH OUTCOMES AFTER PRENATAL EXPOSURE TO ANTIEPILEPTIC DRUGS**
D. Kilic, H. Pedersen, M.I.S. Kjaersgaard, E.T. Parner, M. Vestergaard, M.J. Sørensen, J. Olsen, *Denmark*
- 10:30 Coffee Break, Poster and Exhibition Visit

Sunday, September 22, 2013

09:00-10:30

Hall H

Free Papers Session 2: Epilepsy

Chairpersons: M. Baulac, *France*
F. Schmitt, *Germany*

09:00 **EFFECT OF COGNITIVE STIMULATION ON HIPPOCAMPAL RIPPLES IN EPILEPTIC PATIENTS**
M. Brazdil, J. Cimbalnik, R. Roman, M. Stead, P. Daniel, J. Halamek, P. Jurak, *Czech Republic, USA*

09:10 **A DOUBLE-BLIND EXTENSION STUDY TO ASSESS LONG-TERM SAFETY/EFFICACY OF ZONISAMIDE VERSUS CARBAMAZEPINE MONOTHERAPY FOR TREATMENT OF NEWLY DIAGNOSED PARTIAL EPILEPSY**
M. Baulac, A. Patten, L. Giorgi, *France, UK*

09:20 **LACK OF POTASSIUM CURRENT IN NOVEL MUTATIONS OF *KCNQ2* AND *KCNQ3* IDENTIFIED IN BENIGN FAMILIAL NEONATAL EPILEPSY (BFNE)**
Y. Sugiura, Y. Ihara, A. Ishii, Y. Ugawa, S. Hirose, *Japan*

09:30 **NEUROPSYCHOLOGICAL OUTCOME OF SEIZURE-FREE TEMPORAL LOBE EPILEPSY PATIENTS AFTER TEMPORAL LOBE RESECTION WITH AND WITHOUT ANTIEPILEPTIC DRUGS**
D. Moser, S. Aull-Watschinger, B. Seidl, E. Pataria, *Austria*

09:40 **EPILEPSY IN CHILDREN WITH HIV/AIDS IN BOTSWANA: PREVALENCE, RISK FACTORS, AND OUTCOMES**
D. Bearden, D. Dlugos, K. Brizzi, E. Lowenthal, E. Tracey, S. Kessler, *USA*

09:50 **PREGNANT WOMEN WITH EPILEPSY: IS THE RISK OF PERIPARTUM PSYCHIATRIC SYMPTOMS INCREASED? - A PROSPECTIVE, POPULATION BASED COHORT STUDY**
M.H. Bjørk, G. Veiby, S. Reiter, A.K. Daltveit, N.E. Gilhus, *Norway*

10:00 **EFFICACY OF CHRONIC STIMULATION OF NUCLEUS ACCUMBENS (NAC) AND ANTERIOR THALAMUS (ANT) IN PATIENTS WITH PHARMACORESISTANT FOCAL EPILEPSY**
F.C. Schmitt, J. Voges, L. Buentjen, T. Zaehle, K. Bohlmann, H. Stefan, F. Oltmanns, H.-J. Heinze, M. Holtkamp, A. Kowski, *Germany*

10:30 Coffee Break, Poster and Exhibition Visit

Sunday, September 22, 2013

09:00-10:30

Hall I

Teaching Course 11: Autoimmune Neurology of the CNS and PNS

Chairpersons: **S. Pittock, USA**
 J. Verschuuren, The Netherlands

09:00 **AUTOIMMUNE NEUROLOGY OF THE CNS :
OVERVIEW AND UPDATE**
 S. Pittock, USA

09:45 **GUILLAIN-BARRE SYNDROME: PATHOGENESIS
AND TREATMENT**
 N. Yuki, Singapore

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall J

Teaching Course 9: Stroke - update on different stroke types

Chairpersons: **L. Wong, Hong Kong S.A.R.**
 J. Ferro, Portugal

09:00 **INTRACEREBRAL HEMORRHAGE**
 T. Steiner, Germany

09:45 **CEREBRAL VENOUS THROMBOSIS**
 J. Ferro, Portugal

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall K

Teaching Course 40: Child neurology

Chairpersons: **J. Wilmshurst, South Africa**
 I. Tein, Canada

09:00 **CLINICAL APPROACH TO SEIZURES AND
SEIZURE LIKE EVENTS IN CHILDHOOD (WITH
VIDEOS)**
 J. Wilmshurst, South Africa

09:45 **THE "NEW ORGANISATION OF THE EPILEPSIES"**
 I. Scheffer, Australia

10:30 Coffee Break, Poster and Exhibition Visit

Sunday, September 22, 2013

09:00-10:30

Hall L

Teaching Course 10: Peripheral neuropathy (immune mediated neuropathies, diabetes)

Chairpersons: E. Feldman, *USA*
E. Nobile-Orazio, *Italy*

09:00 **DIAGNOSIS AND TREATMENT OF DIABETIC PERIPHERAL NEUROPATHY**
E. Feldman, *USA*

09:45 **DIAGNOSIS AND TREATMENT OF DIABETIC AUTONOMIC NEUROPATHY**
R. Freeman, *USA*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall M

Teaching Course 5: Stroke ABC

Chairpersons: B. Norrving, *Sweden*
P. Sandercock, *UK*

09:00 **THE GLOBAL PERSPECTIVE OF STROKE**
B. Norrving, *Sweden*

09:45 **MEDICAL TREATMENTS FOR ISCHAEMIC AND HAEMORRHAGIC STROKE**
P. Sandercock, *UK*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall N

Free Teaching Course 12: AAN advocacy workshop

Chairpersons: M. Wasay, *Pakistan*
W. Grisold, *Austria*

09:00 **OPENING REMARKS AND FACULTY INTRODUCTIONS**
M. Wasay, *Pakistan*

09:15 **GLOBAL NEUROLOGY AND FUTURE ROLE OF ADVOCACY**
A.-C. Meyer, *Kenya*

09:40 **WHAT IS ADVOCACY, WHY IS IT IMPORTANT?**
M.M. Mehndiratta, *India*

10:05 **TOPIC IDENTIFICATION BREAKOUTS**
M. Wasay, *Pakistan*

Sunday, September 22, 2013

09:00-10:30

Hall O

Teaching Course 13: Autonomic nervous system

Chairpersons: M. Hinz, *Germany*
R. Freeman, *USA*

09:00 **STROKE AND THE AUTONOMIC NERVOUS SYSTEM**

M. Hinz, *Germany*

09:45 **AUTONOMIC DYSFUNCTION IN THE ICU**

R. Freeman, *USA*

10:30 Coffee Break, Poster and Exhibition Visit

11:00-12:30

Hall A

Epilepsy genetics: new insights change clinical practice

Chairpersons: I. Scheffer, *Australia*
A.-C. Meyer, *USA*

11:00 **ADULT PATIENTS WITH EPILEPTIC ENCEPHALOPATHIES: NOT TOO LATE TO MAKE A GENETIC DIAGNOSIS**

I. Scheffer, *Australia*

11:30 **MONOGENIC FOCAL EPILEPSIES - NEW GENES CHANGE THE PLAYING FIELD**

A. van den Maagdenberg, *The Netherlands*

12:00 **THE EXPANDING EPILEPSY SPECTRUM OF GLUT1 DEFICIENCY**

P. de Jonghe, *Belgium*

12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall B

Important headache issues

Chairpersons: **S.-J. Wang**, *Taiwan*
 J. Olesen, *Denmark*

- 11:00 **WORRISOME HEADACHES IN THE THIRD WORLD**
 K. Ravishankar, *India*
- 11:20 **MIGRAINE COMORBIDITIES**
 M. Peres, *Brazil*
- 11:40 **TRIGEMINAL AUTONOMIC CEPHALALGIAS**
 C. Diener, *Germany*
- 12:00 **ACUPUNCTURE FOR HEADACHE TREATMENT**
 S.-J. Wang, *Taiwan*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:00-12:30

Hall C

Disease Specific Neurorehabilitation

Joint World Federation of Neurology / World Federation of Neurorehabilitation Session

Chairpersons: **L.W. Braga**, *Brazil*
 M. Selzer, *USA*

- 11:00 **AXON REGENERATION IN THE INJURED
CENTRAL NERVOUS SYSTEM**
 M. Selzer, *USA*
- 11:20 **TRANSLATIONAL RESEARCH IN SPINAL CORD
INJURY: HOW TO OVERCOME THE GAP?**
 A. Curt, *Switzerland*
- 11:40 **FUNCTIONAL IMAGING BEFORE AND AFTER
EPILEPSY SURGERY: A MODEL FOR NEURAL
PLASTICITY**
 M.J. Koepp, *UK*
- 12:00 **CEREBRAL PALSY**
 L.W. Braga, *Brazil*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall D

Making the case for neurology

Chairpersons: D. Silberberg, *USA*
S. Al-Deeb, *Saudi Arabia*

- 11:00 **DECADE OF THE BRAIN TO 2013 - ADVOCACY PROGRESSES**
D. Silberberg, *USA*
- 11:20 **INFLUENCING THE GOVERNMENT IN A MIDDLE INCOME COUNTRY**
M. Cruz, *Ecuador*
- 11:40 **INFLUENCING THE GOVERNMENT IN A LOW INCOME COUNTRY**
E. Katabira, *Uganda*
- 12:00 **THE PROMISE OF SOCIAL NETWORKING**
A. Craven, *Ireland*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:00-12:30

Hall E

Central Nervous System Infections

Chairpersons: A. Bhigjee, *South Africa*
P. Satishchandra, *India*

- 11:00 **HTLVI ASSOCIATED MYELOPATHY**
A. Bhigjee, *South Africa*
- 11:20 **SPINAL SCHISTOSOMIASIS**
T.C.A. Ferrari, *Brazil*
- 11:40 **MANAGEMENT OF CRYPTOCOCCAL MENINGITIS WITH SPECIAL REFERENCE TO COMPLICATIONS**
D. Clifford, *USA*
- 12:00 **VASCULITIS AND STROKES IN CENTRAL NERVOUS SYSTEM TUBERCULOSIS**
P. Satishchandra, *India*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall G

Free Papers Session 3: Epilepsy

Chairpersons: **A.E.M. Ahmed**, *Sudan*
L.V. de Oliveira, *Brazil*

- 11:00 **ROBOTICS IN NEUROSURGICAL STEREOTACTIC INTERVENTIONS: OBLIQUE INTRINSULAR ELECTRODES IMPLANTED OF PATIENTS WITH EPILEPSY**
A. Afif, *France*
- 11:10 **EPIDEMIOLOGICAL ASPECTS OF EPILEPSY IN BRAZIL FROM 2008 TO 2012**
C.D. Rocha, J.A.D.O. Júnior, M.A.A. de Oliveira, **L.V. de Oliveira**, D.J. da Silva, *Brazil*
- 11:20 **A7-CONTAINING NICOTINIC ACETYLCHOLINE RECEPTORS ON INTERNEURONS OF THE BASOLATERAL AMYGDALA AND THEIR ROLE IN THE REGULATION OF THE NETWORK EXCITABILITY**
V.I. Pidoplichko, E.M. Prager, V. Aroniadou-Anderjaska, **M.F.M. Braga**, *USA*
- 11:30 **THE NATURE HISTORY OF UNTREATED EPILEPSY IN RURAL AREAS IN TIBETAN AREAS**
J. Mu, L. Liu, Y. Zhao, D. Zhou, J. Wu, S. Li, *China*
- 11:40 **PROPOSAL OF A STAGING SYSTEM FOR RISK STRATIFICATION AND CROSS SECTIONAL REPORTING OF STATUS EPILEPTICUS**
M. Leitinger, G. Kalss, D. Huber, A. Rohrer, J. Höfler, J. Döbesberger, E. Trinka, *Austria*
- 11:50 **STIGMA OF EPILEPSY AMONG PATIENTS AND THEIR RELATIVES ATTENDING CHARITY CLINIC, OMDURMAN-SUDAN**
O. Hamid, **M.A.O. Taha**, S.A. Balla, A. Hussien, *Sudan*
- 12:00 **EPILEPSY IN THE AMAZON: AN INVISIBLE DISEASE IN THE RAIN FOREST**
A.M.R. Souza, V.L. Pereira, L.S. Said, C. Chirano, A.P.Q. Ramalho, **L.M. Li**, *Brazil*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall H

Free Papers Session 4: Headache

Chairpersons: M.D. Ferrari, *The Netherlands*
G. Akdal, *Turkey*

- 11:00 **GREY MATTER IN CHRONIC MIGRAINE PATIENTS**
G. Zanchin, M. Margoni, M. Calabrese, F. Maggioni,
Italy
- 11:10 **CAMEO (CHRONIC MIGRAINE EPIDEMIOLOGY & OUTCOMES) STUDY: DESIGN, METHODOLOGY, AND BASELINE COHORT CHARACTERISTICS**
A.N. Manack, M.L. Reed, V. Marske, D. Serrano, K. Fanning, C. Cunanan, D.C. Buse, R.B. Lipton, *USA*
- 11:20 **DISTINCTIVE ANATOMICAL AND PHYSIOLOGICAL FEATURES OF MIGRAINE AURA REVEALED BY 20 YEARS OF PATIENT RECORDING**
J.M. Hansen, S.M. Baca, A. Charles, *USA*
- 11:30 **DO MIGRAINEURS WITH VERTIGO/DIZZINESS DISPLAY SOME COMMON CHARACTERISTICS? RESULTS FROM A POPULATION-BASED STUDY**
G. Akdal, B. Baykan, M. Ertaş, Turkish Prevalence Study Group, *Turkey*
- 11:40 **OPTIC COHERENCE TOMOGRAPHY FOR OPTIC DISC AND CLINICAL EVALUATION IN IDIOPATHIC INTRACRANIAL HYPERTENSION**
P. Gelener, S. Üçler, Ö. Coşkun, E.U. Altıparmak, L.E. İnan, *Cyprus*
- 11:50 **ANALYSIS OF THE DEVELOPMENT OF ALLODYNIA: CORRELATION BETWEEN MIGRAINE DURATION AND SEVERITY**
B. Lu, X. Li, E. Connors, S. Kori, N.L. Earl, *USA*
- 12:00 **A RANDOMIZED DOUBLED BLINDED TRIAL OF TREATMENT WITH DIAMINO-OXIDASE (DAO) IN PATIENTS WITH MIGRAINE AND DEFICIT OF ENZYME'S ACTIVITY**
J. Izquierdo, D. Mon, M. Lorente, L. Soler Singla,
Spain
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall I

Teaching Course 11: Autoimmune Neurology of the CNS and PNS (cont.)

Chairpersons: **S. Pittock, USA**
 J. Verschuuren, The Netherlands

11:00 **AUTOIMMUNE WATER CHANNELOPATHIES/ NMO**
 A. Vincent, UK

11:45 **AUTOIMMUNE SYNAPTIC DISORDERS OF THE**
 PNS: MYASTHENIA GRAVIS AND LEMS
 J. Verschuuren, The Netherlands

12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:00-12:30

Hall J

Teaching Course 9: Stroke - update on different stroke types (cont.)

Chairpersons: **J. Ferro, Portugal**
 L. Wong, Hong Kong S.A.R.

11:00 **CARDIOEMBOLIC STROKE (INCLUDING AORTIC**
 ARCH)
 S. Davis, Australia

11:45 **STROKE ASSOCIATED WITH INTRACRANIAL**
 LARGE VESSEL DISEASE
 L. Wong, Hong Kong S.A.R.

12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:00-12:30

Hall K

Teaching Course 40: TC40 Child neurology (cont.)

Chairpersons: **I. Tein, Canada**
 J. Wilmshurst, South Africa

11:00 **APPROACH TO AUTOIMMUNE**
 ENCEPHALOPATHIES AND SEIZURES INCLUDING
 RASMUSSENS ENCEPHALITIS
 R. Dale, Australia

11:45 **APPROACH TO VITAMIN AND COFACTOR-**
 RESPONSIVE EARLY ONSET
 ENCEPHALOPATHIES AND SEIZURES
 I. Tein, Canada

12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall L

Teaching Course 10: Peripheral neuropathy (immune mediated neuropathies, diabetes) (cont.)

Chairpersons: E. Feldman, *USA*
E. Nobile-Orazio, *Italy*

11:00 TREATMENT OF CHRONIC IMMUNE-MEDIATED NEUROPATHIES

E. Nobile-Orazio, *Italy*

11:45 TREATMENT OF ACUTE IMMUNE-MEDIATED NEUROPATHIES

P. van Doorn, *The Netherlands*

12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:00-12:30

Hall M

Teaching Course 5: Stroke ABC (cont.)

Chairpersons: B. Norrving, *Sweden*
P. Sandercock, *UK*

11:00 STROKE MIMICS AND CHAMELEONS

H. Mattle, *Switzerland*

11:45 ORGANIZATION OF STROKE SERVICES IN HIGH-MID-LOW RESOURCE SETTINGS

J. Pandian, *India*

12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:00-12:30

Hall N

Free Teaching Course 12: AAN advocacy workshop (cont.)

Chairpersons: M. Wasay, *Pakistan*
W. Grisold, *Austria*

11:00 BASIC PRINCIPLES OF ACTION PLANNING

M. Wasay, *Pakistan*

11:30 LEGISLATIVE TRAINING

T. Wijeratne, *Australia*

12:00 DEVELOPING YOUR MESSAGE

G. Stokin, *Slovenia*

12:30 Lunch Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

11:00-12:30

Hall O

Teaching Course 13: Autonomic nervous system (cont.)

Chairpersons: M. Hiltz, *Germany*
R. Freeman, *USA*

11:00 **AMYLOID NEUROPATHIES**

T. Coehlo, *Portugal*

11:45 **PARKINSON'S DISEASE AND THE AUTONOMIC
NERVOUS SYSTEM**

W. Struhal, *Austria*

12:30 Lunch Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall A

Status Epilepticus

Chairpersons: S. Shorvon, *UK*
A. Guekht, *Russia*

14:30 **THE INFLAMMATORY AND IMMUNOLOGICAL
CAUSES OF STATUS EPILEPTICUS**

J. Dalmau, *USA*

14:50 **TREATMENT OF ACUTE EPILEPSY AND EARLY
STATUS**

U. Kramer, *Israel*

15:10 **SUBTLE STATUS IN THE INTENSIVE CARE UNIT
AFTER CEREBRAL ANOXIA - IS IT STATUS
EPILEPTICUS AND SHOULD IT BE TREATED?**

A. Rossetti, *Switzerland*

15:30 **TREATMENT OF REFRACTORY STATUS**

S. Shorvon, *UK*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

14:30-16:00

Hall B

Updating the treatment guidelines for neuropathic pain

Chairpersons: **N. Attal, *France***
 C. Meshram, *India*

14:30 **THE LATEST EFNS AND NEUPSIG TREATMENT
GUIDELINES**
 M. Haanpaa, *Finland*

14:50 **NOVEL DRUGS AT THE HORIZON**
 N. Attal, *France*

15:10 **ADVANCES IN NEUROSTIMULATION THERAPY**
 G. Cruccu, *Italy*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall C

Therapeutic Neurotoxins

Chairpersons: **C. Comella, *USA***
 R. Kaji, *Japan*

14:30 **EXPANDING APPLICATIONS OF BOTULINUM
TOXIN**
 M. Merello, *Argentina*

15:00 **COMPARATIVE TRIALS OF BOTULINUM TOXINS**
 C. Comella, *USA*

15:20 **THE CHALLENGE OF BOTULINUM TREATMENT
FOR SPASTICITY**
 R. Kaji, *Japan*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

14:30-16:00

Hall D

Making the case for neurology 2

Chairpersons: D. Silberberg, *USA*
A. Craven, *Ireland*

- 14:30 **INTRODUCTION - SETTING THE SCENE**
J. Olesen, *Denmark*
- 14:50 **CASE STUDY 1: THE DYSTONIA COALITION**
H.A. Jinnah, *USA*
- 15:10 **CASE STUDY 2: THE NEUROLOGICAL ALLIANCE OF IRELAND**
M. Harney, *Ireland*
- 15:30 **CASE STUDY 3: THE PARKINSON'S DISEASE AND MOVEMENT DISORDER SOCIETY, INDIA**
M. Barretto, *India*
- 16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall E

Regional Session: ASIAN OCEANIAN ASSOCIATION OF NEUROLOGY

Chairpersons: M.M. Mehndiratta, *India*
C.P. Tsai, *Taiwan*

- 14:30 **STATUS OF RESEARCH IN NEUROLOGY IN ASIAN OCEANIAN REGION**
L. Wong, *Hong Kong S.A.R.*
- 14:50 **CNS BUGS AND STROKE**
M.M. Mehndiratta, *India*
- 15:10 **CNS INFECTIONS IN EAST AND WEST**
M. Wasay, *Pakistan*
- 15:30 **IMPROVING STROKE CARE IN ASIAN OCEANIAN REGION**
S. Davis, *Australia*
- 15:50 **CONCLUDING REMARKS**
M.M. Mehndiratta; C.P. Tsai, *India, Taiwan*
- 16:00 Coffee Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

14:30-16:00

Hall G

Teaching Course 19: Neuroimaging

Chairpersons: M. Filippi, *Italy*
C. Enzinger, *Austria*

14:30 **ALZHEIMER'S DISEASE AND ALLIED DEMENTING CONDITIONS**
M. Filippi, *Italy*

15:15 **MOVEMENT DISORDERS**
F. Agosta, *Italy*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall H

Free Papers Session 5: Headache

Chairpersons: Al-Hashel, *Kuwait*

14:30 **NEUROLOGICAL MANIFESTATIONS OF CEREBRAL VENOUS THROMBOSIS: RETROSPECTIVE CASE STUDY OF 100 PATIENTS WITH OUR EXPERIENCE IN KUWAIT**
V.P. Vembu, J.K. John, J.Y. Al-Hashel, *Kuwait*

14:40 **IDIOPATHIC INTRACRANIAL HYPERTENSION; CLINICAL FEATURES AND PROGNOSIS**
A.O. Keskin, F. Idiman, D. Kaya, B. Bircan, E. Idiman, *Turkey*

14:50 **DO VESTIBULAR MIGRAINE PATIENTS DIFFER FROM MIGRAINE PATIENTS WITHOUT HISTORY OF VERTIGO IN ANXIETY?**
G. Akdal, Ö. Kutay, B.D. Balci, T. Alkin, *Turkey*

15:00 **INTERICTAL INCREASE IN CGRP LEVELS IN PERIPHERAL BLOOD AS A RELIABLE BIOMARKER FOR CHRONIC MIGRAINE**
J. Pascual, E. Cernuda-Morollón, C. Ramón, J. Vega, D. Larrosa, P. Martínez-Cambor, *Spain*

15:10 **WHITE MATTER MICROSTRUCTURE ABNORMALITIES IN PEDIATRIC MIGRAINE PATIENTS: IN VIVO MEASURES OF BRAIN HYPEREXCITABILITY?**
R. Messina, M.A. Rocca, B. Colombo, E. Pagani, A. Falini, G. Comi, M. Filippi, *Italy*

Sunday, September 22, 2013

14:30-16:00

Hall H

15:20 **IS GRAY MATTER ATROPHY A BIOMARKER OF MIGRAINE? A STUDY IN PEDIATRIC PATIENTS WITH MIGRAINE**

R. Messina, M.A. Rocca, B. Colombo, E. Scola, A. Falini, G. Comi, M. Filippi, *Italy*

15:30 **CLINICAL EFFECTIVENESS OF OSTEOPATHIC MANIPULATIVE TREATMENT VERSUS SHAM THERAPY AND USUAL CARE IN CHRONIC MIGRAINE: 3 ARMED RCT**

F. Cerritelli, L. Ginevri, G. Messi, E. Caprari, C. Renzetti, V. Cozzolino, G. Barlafante, N. Foschi, L. Provinciali, *Italy*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall I

Free Papers Session 8: Neuro-rehabilitation

Chairpersons: **R. Stien**, *Norway*
W.D. Byblow, *New Zealand*

14:30 **PRIMING AT THE SUB-ACUTE STAGE AFTER STROKE ACCELERATES RECOVERY OF UPPER LIMB FUNCTION**

W.D. Byblow, C.M. Stinear, M.A. Petoe, S. Anwar, P.A. Barber, *New Zealand*

14:40 **SMOOTH PURSUIT EYE MOVEMENT TRAINING ACCELERATES RECOVERY FROM AUDITORY/VISUAL NEGLECT AND REDUCES DISABILITY AND UNAWARENESS: 2 RANDOMIZED CONTROLLED TRIALS**

G. Kerkhoff, S. Reinhart, W. Ziegler, F. Artinger, V. Völzke, M. Brasse, L. Bucher, I. Keller, *Germany*

14:50 **REPETITIVE SENSORY STIMULATION IN STROKE REHABILITATION - PERSPECTIVES AND POTENTIAL**

H.R. Dinse, J.C. Kattenstroth, T. Kalisch, M. Tegenthoff, *Germany*

15:00 **THE EFFECTS OF MIRROR THERAPY ON ARM AND HAND FUNCTION IN SUBACUTE STROKE INPATIENTS**

A. Radajewska, **J. Opara**, A. Małeckci, J. Szczygieł, *Poland*

15:10 **VIRTUAL REALITY GAME-BASED THERAPY FOR RESTORING POSTURAL AND COORDINATION ABNORMALITIES IN PATIENTS WITH TBI**

K. Ustinova, J. Perkins, *USA*

Sunday, September 22, 2013

14:30-16:00

Hall I

15:20 **NEUROPROTECTIVE ROLE OF DOCOSAHEXAENOIC ACID AND GAMMA-LINOLENIC ACID IN LEAD INDUCED NEUROLOGICAL DEFICIT IN SWISS ALBINO MICE**
S. Yadav, V. Sharma, *India*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall J

Free Papers Session 7: Neuro-rehabilitation

Chairpersons: H. Thieme, *Germany*
Y. Vandermeeren, *Belgium*

- 14:30 **INTRACORTICAL GABA IS DECREASED AFTER STROKE AND FURTHER SUPPRESSED WITH SUCCESSFUL REHABILITATION**
J.U. Blicher, J. Near, E. Næss-Schmidt, L. Østergaard, H. Johansen-Berg, Y.-C.L. Ho, *Denmark, Canada, UK*
- 14:40 **CARE ASSISTANT SUPPORT FOLLOWING SPECIALIST REHABILITATION FOR PEOPLE WITH PARKINSON'S AND CARERS IN THE COMMUNITY: FINDINGS FROM THE SPIRITT RCT**
H. Gage, L.D. Grainger, S. Ting, P. Williams, C. Chorley, G. Carey, N. Borg, K. Bryan, B. Castleton, P. Trend, J. Kaye, D. Wade, *UK*
- 14:50 **ONABOTULINUMTOXINA IN LOWER LIMB SPASTICITY: SAFETY RESULTS FROM A POOLED ANALYSIS**
N. Earl, L. James, G. Shi, G. Demos, R. Dimitrova, *USA*
- 15:00 **MIRROR THERAPY FOR IMPROVING MOTOR FUNCTION AFTER STROKE**
H. Thieme, J. Mehrholz, M. Pohl, J. Behrens, C. Dohle, *Germany*
- 15:10 **NEURAL SUBSTRATES UNDERLYING EARLY MOTOR SKILL LEARNING IN CHRONIC STROKE PATIENTS: A FMRI STUDY**
S. Lefebvre, L. Dricot, W. Gradkowski, P. Laloux, P. Desfontaines, F. Evrard, A. Peeters, J. Jamart, Y. Vandermeeren, *Belgium, Poland*
- 15:20 **MIRROR THERAPY FOR PATIENTS WITH SEVERE ARM PARESIS AFTER STROKE - A RANDOMIZED CONTROLLED TRIAL**
H. Thieme, M. Bayn, M. Wurg, C. Zange, M. Pohl, J. Behrens, *Germany, Switzerland*

Sunday, September 22, 2013

14:30-16:00

Hall K

Teaching Course 15: Stroke (advanced) - translational research to bridge the gap

Chairpersons: R. Veltkamp, *Germany*
S. Davis, *Australia*

14:30 **OPPORTUNITIES AND CHALLENGES OF NEW ORAL ANTICOAGULANTS IN STROKE**
R. Veltkamp, *Germany*

15:15 **BIOMARKERS IN STROKE**
D. Howells, *Australia*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall L

Teaching Course 14: Neuro Genetics

Chairpersons: F. Zimprich, *Austria*
J.-M. Burgunder, *Switzerland*

14:30 **THE APPROACH OF THE PATIENT WITH A POTENTIAL NEUROGENETIC DISORDER**
J.-M. Burgunder, *Switzerland*

15:15 **NEW GENETIC TECHNIQUES: HOW THEY WORK AND WHAT THEY CAN DO. SIMPLY EXPLAINED FOR CLINICIANS**
J. Hardy, *UK*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall M

Teaching Course 17: Palliative Care in Neurology

Chairpersons: G.-D. Borasio, *Switzerland*
D. Oliver, *UK*

14:30 **HOW TO BREAK BAD NEWS IN NEUROLOGY**
G.-D. Borasio, *Switzerland*

15:15 **HOW TO EFFECTIVELY TREAT DYSPNEA IN THE NEUROLOGICAL PATIENT**
W. Johnston, *Canada*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

14:30-16:00

Hall N

Free Teaching Course 12: AAN advocacy workshop (cont.)

Chairpersons: **M. Wasay**, *Pakistan*
 W. Grisold, *Austria*

14:30 **COMMUNICATIONS AND MEDIA**
 W. Struhal, *Austria*

15:00 **LOCATING AND USING ADVOCACY RESOURCES**
 W. Grisold, *Austria*

15:30 **BREAKOUT SESSION**
 W. Grisold; **W. Struhal**, *Austria*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

14:30-16:00

Hall O

Teaching Course 16: Muscle Disease

Chairpersons: **I. Nishino**, *Japan*
 D. Hilton-Jones, *UK*

14:30 **GENERAL CLINICAL ASPECTS OF MUSCLE DISEASE**
 D. Hilton-Jones, *UK*

15:15 **BASICS IN MUSCLE PATHOLOGY**
 I. Nishino, *Japan*

16:00 Coffee Break, Poster Viewing and Exhibition Visit

Sunday, September 22, 2013

16:30-18:00

Hall A

Surgical treatment for epilepsy

Chairpersons: J. Engel Jr., *USA*
E. Patariaia, *Austria*

16:30 **WHO SHOULD BE REFERRED FOR SURGICAL THERAPY?**

J. Engel Jr., *USA*

16:50 **BENEFITS OF SURGICAL THERAPY**

S. Wiebe, *Canada*

17:10 **MINIMUM REQUIREMENTS FOR AN EPILEPSY SURGERY CENTER**

K. Radhakrishnan, *India*

17:30 **THE IMPACT OF GOVERNMENTALLY SPONSORED EPILEPSY SURGERY CENTERS**

A. Palmini, *Brazil*

16:30-18:00

Hall B

"Sensory profiles" in chronic pain: from symptoms to mechanism and possibly to targeted treatment

Chairpersons: G. Cruccu, *Italy*
R. Baron, *Germany*

16:30 **THE "SENSORY PROFILE" THEORY**

R. Baron, *Germany*

17:00 **SUPPORT FROM BASIC NEUROSCIENCE**

D. Bouhassira, *France*

17:30 **SUPPORT FROM CLINICAL NEUROPHYSIOLOGY**

A. Truini, *Italy*

Sunday, September 22, 2013

16:30-18:00

Hall C

Responding to the Global Burden of Headache

A Joint presentation of Lifting the Burden and the World Federation of Neurology

Chairpersons: T. Steiner, *UK*
S.-J. Wang, *Taiwan*

- 16:30 **GLOBAL BURDEN OF HEADACHE**
T. Steiner, *UK*
- 16:50 **COST OF HEADACHE DISORDERS AND CAN THEY BE REDUCED?**
M. Linde, *Norway*
- 17:10 **EPIDEMIOLOGY OF HEADACHE IN ASIA**
S.-J. Wang, *Taiwan*
- 17:30 **HEADACHE SERVICE IN DEVELOPING COUNTRIES**
Z. Katsarava, *Germany*

16:30-18:00

Hall D

Neurology, Health Economics, and Outcomes

Chairpersons: B. Vickrey, *USA*
O. Abramsky, *Israel*

- 16:30 **HEALTH ECONOMICS - BASICS FOR NEUROLOGISTS**
R. Dodel, *Germany*
- 16:50 **NICE EPILEPSY GUIDELINES: OUTCOMES, QUALITY STANDARDS AND PERFORMANCE**
T. Marson, *UK*
- 17:10 **APPROACHES TO ASSESSING OUTCOMES AND HEALTH CARE UTILIZATION USING POPULATION BASED DATA AND CHALLENGES IN CROSS-NATIONAL STUDIES**
N. Jette, *USA*
- 17:30 **ACCESSIBILITY OF TREATMENTS, AND THE NEUROLOGIST-PATIENT DIALOGUE**
B. Vickrey, *USA*

Sunday, September 22, 2013

16:30-18:00

Hall E

Regional Session: Africa

Chairpersons: R. Gouider, *Tunisia*

16:30 **NEUROPATHY SCREENING IN AFRICA**
T. Sonan, *Ivory Coast*

16:50 **INHERITED FOCAL NEUROPATHIES**
R. Gouider, *Tunisia*

17:10 **DIABETIC NEUROPATHIES**
E. Feldman, *USA*

17:30 **INFECTIOUS NEUROPATHIES**
M. Zebenigus, *Ethiopia*

16:30-18:00

Hall G

Teaching Course 19: Neuroimaging (cont.)

Chairpersons: C. Enzinger, *Austria*
M. Filippi, *Italy*

16:30 **MULTIPLE SCLEROSIS AND ALLIED WHITE
MATTER CONDITIONS**
C. Enzinger, *Austria*

17:15 **STROKE**
Speaker TBC

Sunday, September 22, 2013

16:30-18:00

Hall H

Free Papers Session 6: Headache

Chairpersons: O. Abdulghani, *Egypt*
C. Bischoff, *Germany*

- 16:30 **ALTERED RESTING STATE FUNCTIONAL CONNECTIVITY IN PATIENTS WITH HEADACHE AND MEDICATION OVERUSE**
F. Riederer, S. Kollias, A. Gantenbein, S. Schreglmann, M. Rosenberg-Nordmann, L. Michels, *Switzerland*
- 16:40 **PRIMARY STABBING HEADACHE: A NEW DURAL SINUS STENOSIS-ASSOCIATED PRIMARY HEADACHE?**
A. Ranieri, S. Montella, R. De Simone, *Italy*
- 16:50 **CHRONIC HEADACHE AND OVER-THE-COUNTER MEDICATION OVERUSE: PREVALENCE AND LIFESTYLE FACTORS**
M.L. Westergaard, C. Glümer, E. Holme Hansen, R.H. Jensen, *Denmark*
- 17:00 **STIMULATION OF THE SPHENOPALATINE GANGLION (SPG) FOR CLUSTER HEADACHE (CH)- PATHWAY CH-1- EFFECTIVENESS AND QUALITY OF LIFE THROUGH 18 MONTHS**
R. Jensen, J. Schoenen, J.M. Láinez, C. Gaul, A. Goodman, A. Caparso, A. May, *Denmark, Belgium, Spain, Germany, USA*
- 17:10 **DEXKETOPROFEN TROMETAMOL IN THE ACUTE TREATMENT OF MIGRAINE ATTACK: A PHASE II, RANDOMIZED, DOUBLE-BLIND, CROSSOVER, PLACEBO-CONTROLLED, DOSE OPTIMIZATION STUDY**
F. Mainardi, F. Maggioni, D. Pezzola, D. Zava, G. Zanchin, *Italy*
- 17:20 **COGNITIVE FUNCTION PATIENTS WITH IDIOPATHIC INTRACRANIAL HYPERTENSION**
H. Yri, B. Fagerlund, R. Jensen, *Denmark*

Sunday, September 22, 2013

16:30-18:00

Hall I

Free Papers Session 9: Neuro-rehabilitation

Chairpersons: R. Takahashi, *Japan*
R. Stien, *Norway*

- 16:30 **FUNCTIONAL CONNECTIVITY NETWORK BREAKDOWN AND RESTORATION IN BLINDNESS**
M. Bola, C. Gall, C. Moewes, A. Fedorov, H. Hinrichs, B.A. Sabel, *Germany*
- 16:40 **ISLANDS OF CONSCIOUSNESS IN VEGETATIVE STATE OR FUNCTIONAL LOCKED-IN SYNDROME?**
R. Formisano, S. Catani, C. Falletta Caravasso, M. D'Ippolito, F. de Pasquale, U. Sabatini, *Italy*
- 16:50 **STROKE AND APHASIA QUALITY OF LIFE SCALE (SAQOL-39). EVALUATION OF ACCEPTABILITY, RELIABILITY AND VALIDITY OF CHILEAN VERSION**
V. Diaz, R. Gonzalez, D. Salgado, D. Perez, *Chile*
- 17:00 **MODULATION OF CORTICAL PLASTICITY BY WHOLE-HAND ELECTRICAL STIMULATION IN ATTEMPT TO IMPROVE HAND MOTOR FUNCTIONS AFTER STROKE**
L.-S. Koenig, M. Christova, K. Schwenker, H. Bartsch, G. Luthringshausen, E. Gallasch, A.B. Kunz, M. Seidl, E. Trinka, S.M. Golaszewski, *Austria*
- 17:10 **NEUROMODULATION OF THE SENSORIMOTOR CORTEX BY VIBRATION STIMULATION OF THE WHOLE-HAND**
S.M. Golaszewski, M. Seidl, A.B. Kunz, M. Christova, K. Schwenker, L.-S. Koenig, R. Nardone, E. Trinka, F. Gerstenbrand, *Austria, Italy*
- 17:20 **IMPACT OF SOFT-TISSUE-SHORTENING ON GOAL ACHIEVEMENT IN PATIENTS TREATED WITH BOTULINUM-TOXIN A (BONT-A) FOR POST-STROKE UPPER-LIMB-SPASTICITY (ULIS-2 STUDY)**
S. Ashford, K. Fheodoroff, J. Jacinto, L. Turner-Stokes, *UK, Austria, Portugal*

Sunday, September 22, 2013

16:30-18:00

Hall J

Free Papers Session 10: Pain

Chairpersons: H. Thieme, *Germany*
K. Kulkantrakorn, *Thailand*

- 16:30 **PREOPERATIVE INTRADERMAL ACUPUNCTURE REDUCES POSTOPERATIVE PAIN, NAUSEA AND VOMITING, ANALGESIC REQUIREMENT AND SYMPATHOADRENAL RESPONSES**
E. Philip, *Ghana*
- 16:40 **SENSORY PROFILE AND ITS IMPACT ON QUALITY OF LIFE IN PATIENTS WITH PAINFUL DIABETIC POLYNEUROPATHY**
K. Kulkantrakorn, C. Lorsuwansiri, *Thailand*
- 16:50 **DYNAMIC EVALUATION OF THE CERVICAL SPINE IN 3T REVEALS POSITION-DEPENDENT CHANGES OF PATHOLOGY IN PATIENTS WITH CERVICAL PAIN SYNDROME**
A. Ragoschke-schumm, F. Rauer, T.E. Mayer, *Germany*
- 17:00 **CONTROL OF CHRONIC PAIN BY THE UBIQUITIN PROTEASOME SYSTEM**
T. Yakovleva, M.H. Ossipov, A.S. Ahmed, G. Bakalkin, *Sweden, USA*
- 17:10 **GREY MATTER CHANGES IN CHRONIC PAIN PATIENTS WITH AND WITHOUT UNILATERAL NONDERMATOMAL SENSORY DEFICITS (NDSDS)**
F. Riederer, G. Landmann, A.R. Gantenbein, L. Stockinger, N. Egloff, H. Sprott, W. Schleinzer, S. Kollias, P.S. Sandor, *Austria, Switzerland*
- 17:20 **INVOLVEMENT OF THE MIDDLE SHORT GYRUS OF THE INSULA IN PAIN PROCESSING: ELECTRIC STIMULATION INTRACEREBRAL OF THE EPILEPTIC PATIENTS**
A. Afif, D. Hoffmann, L. Minotti, P. Kahane, *France*

Sunday, September 22, 2013

16:30-18:00

Hall K

Teaching Course 15: Stroke (advanced) - translational research to bridge the gap (cont.)

Chairpersons: S. Davis, *Australia*
R. Veltkamp, *Germany*

16:30 **TRANSLATIONAL PERSPECTIVES FOR REGENERATION**
C. Gerloff, *Germany*

17:15 **NEW DEVELOPMENTS IN REPERFUSION THERAPIES FOR ACUTE STROKE - NEW IV LYTICS, PENUMBRAL SELECTION, IA THERAPY - CLOT RETRIEVAL ETC**
S. Davis, *Australia*

16:30-18:00

Hall L

Teaching Course 14: Neuro Genetics (cont.)

Chairpersons: F. Zimprich, *Austria*
J.-M. Burgunder, *Switzerland*

16:30 **AN EXAMPLE OF PRACTICAL NEUROGENETICS: MOTONEURON DISORDERS AND NEUROPATHIES**
S. Kuzuhara, *Japan*

17:15 **PHARMACOGENETICS: HOW FAR HAVE WE COME AND WHAT CAN WE EXPECT?**
F. Zimprich, *Austria*

16:30-18:00

Hall M

Teaching Course 17: Palliative Care in Neurology (cont.)

Chairpersons: G.-D. Borasio, *Switzerland*
D. Oliver, *UK*

16:30 **HOW TO TAKE CARE OF NEUROLOGICAL PATIENTS IN THE LAST DAYS OF LIFE**
D. Oliver, *UK*

17:15 **HOW TO DEAL WITH WISHES FOR HASTENED DEATH**
A. Pace, *Italy*

Sunday, September 22, 2013

16:30-18:00

Hall N

Free Teaching Course 12: AAN advocacy workshop (cont.)

Chairpersons: M. Wasay, *Pakistan*
W. Grisold, *Austria*

16:30 **BREAKOUT SESSION**
W. Struhal; W. Grisold; M. Wasay, *Austria, Pakistan*

17:00 **PRESENTING YOUR ACTION PLAN AND SOUND BITE (5 MINUTES EACH FOR SELECTED PARTICIPANTS)**

16:30-18:00

Hall O

Teaching Course 16: Muscle Disease (cont.)

Chairpersons: I. Nishino, *Japan*
D. Hilton-Jones, *UK*

16:30 **STATINS AND MUSCLE DISEASES**
A. Toscano, *Israel*

17:15 **PREGNANCY COMPLICATIONS**
M. de Visser, *The Netherlands*

Sunday, September 22, 2013

18:30-20:00

Hall A

Opening Ceremony

Chairpersons: **E. Auff, *Austria***
 V. Hachinski, *Canada*

MUSICAL INTERLUDE

Vienna State Opera Children's Choir

WELCOME ADDRESS

Eduard Auff, Congress president
Vladimir Hachinski, President of the WFN
Richard Hughes, President of the EFNS
Sonja Wehsely, City councilor for Health of Vienna
Heinz Fischer, Federal President of Austria (by video)

The Opening Ceremony is held under the Patronage of:
Karlheinz Töchterle, Austrian Federal Minister for Science and Research
Alois Stöger, diploma, Austrian Federal Minister of Health
Michael Häupl, Mayor of the City of Vienna

INTERLUDE

Cross Road: Austria

FOLLOWED BY A NETWORKING RECEPTION

Monday, September 23, 2013

07:00-08:00

Hall D

Teaching Course 20: How to Examine a Patient with muscle weakness

Speaker: D. Hilton-Jones, *UK*

07:30-09:00

Hall A

Plenary Lectures 2, 3 & 4

Chairpersons: W. Poewe, *Austria*
R. Shakir, *UK*

07:30 **ADVANCES IN CHILDHOOD EPILEPSY**
J. Wilmshurst, *South Africa*

08:00 **B SINGHAL LECTURE: NEUROLOGY OF AGING**
A. Massaro, *Brazil*

08:30 **VICTOR AND CLARA SORIANO LECTURE:
RECANALIZATION IN ACUTE ISCHEMIC STROKE**
W. Hacke, *Germany*

09:00-10:45

Hall A

Presidential Session

Chairpersons: E. Auff, *Austria*
V. Hachinski, *Canada*

09:00 **MEDALS AND LIFETIME ACHIEVEMENT AWARDS**

09:15 **PRESIDENT OF THE WFN LECTURE:
BRAIN HEALTH - THE SUPREME WEALTH**
V. Hachinski, *Canada*

09:50 **CONGRESS PRESIDENT LECTURE:
NEUROLOGY IN THE AGE OF GLOBALIZATION**
E. Auff, *Austria*

10:25 **THE SOCIETAL & HEALTH CHALLENGES IN
EUROPE**
M. Baker, *UK*

10:45 Coffee Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall A

Acute stroke therapies: current status and future directions

Joint World Federation of Neurology/World Stroke Organization Session

Chairpersons: **S. Davis, Australia**
 C. Meshram, India

- 11:15 **THROMBOLYTIC THERAPY FOR STROKE: ARE THERE RESIDUAL UNCERTAINTY AREAS?**
 P. Sandercock, UK
- 11:35 **ENDOVASCULAR THERAPY FOR STROKE - FOR WHOM, BY WHOM?**
 H. Mattle, Switzerland
- 11:55 **IMAGING ISSUES IN ACUTE STROKE THERAPIES**
 S. Davis, Australia
- 12:15 **INTRINSIC AND EXTRINSIC BRAIN PROTECTION STRATEGIES**
 U. Dirnagl, Germany
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:15-12:45

Hall B

Advances in inflammatory neuropathies

Chairpersons: **E. Nobile-Orazio, Italy**
 J.M. Leger, France

- 11:15 **GUILLAIN BARRÉ SYNDROME**
 P. van Doorn, The Netherlands
- 11:35 **CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY**
 E. Nobile-Orazio, Italy
- 11:55 **MULTIFOCAL MOTOR NEUROPATHY**
 D. Cornblath, USA
- 12:15 **NEUROPATHY AND MONOCLONAL GAMMOPATHY**
 J.M. Leger, France
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall C

Palliative care

A presentation of the World Federation of Neurology's Applied Research Group on Palliative Care

Chairpersons: G.-D. Borasio, *Switzerland*
M. Schwartz, *UK*

- 11:15 **PALLIATIVE CARE IN NEUROLOGY: PRINCIPLES AND PRACTICE**
G.-D. Borasio, *Switzerland*
- 11:35 **PALLIATIVE CARE AND NEUROLOGY: A GLOBAL PERSPECTIVE**
M.R. Rajagopal, *India*
- 11:55 **AMYOTROPHIC LATERAL SCLEROSIS: A PARADIGMATIC DISEASE FOR NEUROLOGICAL PALLIATIVE CARE**
W. Johnston, *Canada*
- 12:15 **ETHICAL ISSUES IN NEUROLOGICAL PALLIATIVE CARE**
R. Jox, *Germany*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:15-12:45

Hall D

Leukoencephalopathies and Child Neurology

Joint World Federation of Neurology / International Child Neurology Association Session

Chairpersons: J. Wilmshurst, *South Africa*
B. Anlar, *Turkey*

- 11:15 **NEW FORMS OF LEUKODYSTROPHY**
M. Van der Knaap, *The Netherlands*
- 11:35 **LEUKODYSTROPHIES RELATED TO SYSTEMIC DISEASE E.G. MALNUTRITION, VITAMIN DEFICIENCIES, COELIAC DISEASE, TOXINS, SLE, AND HYPERTENSION**
B. Anlar, *Turkey*
- 11:55 **LEUKODYSTROPHIES RELATED TO NEUROINFECTIONS IN CHILDREN**
J. Wilmshurst, *South Africa*
- 12:15 **MITOCHONDRIAL DISEASES MIMICKING LEUKODYSTROPHIES**
I. Tein, *Canada*

Monday, September 23, 2013

11:15-12:45

Hall E

Biomarkers

Chairpersons: F. Deisenhammer, *Austria*
A. Malaspina, *UK*

- 11:15 **THE ROLE OF BIOMARKERS FOR MONITORING THE COURSE OF MOTOR NEURON DISEASE**
A. Malaspina, *UK*
- 11:35 **THE IMPACT OF BIOMARKERS ON THE DEFINITION AND OUTCOME OF MULTIPLE SCLEROSIS**
F. Deisenhammer, *Austria*
- 11:55 **THE ROLE OF BIOMARKERS IN THE DIAGNOSIS AND TREATMENT OF ALZHEIMER'S DISEASE**
K. Blennow, *Sweden*
- 12:15 **USING BIOMARKERS TO DIAGNOSE PARKINSON'S DISEASE IN THE PRE-MOTOR STAGE**
D. Berg, *Germany*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

11:15-12:45

Hall G

World Health Organization Neurology Initiatives

Chairpersons: D. Bergen, *USA*
T. Dua, *Switzerland*

- 11:15 **NON-COMMUNICABLE DISEASE INITIATIVE**
T. Dua, *Switzerland*
- 11:35 **MHGAP PROGRAMME, CLOSING THE MENTAL HEALTH GAP**
S. Saxena, *Switzerland*
- 11:55 **REVISING THE ICD-10**
R. Shakir, *UK*
- 12:15 **THE WORLD BRAIN ALLIANCE - SPEAKING UP FOR BRAIN HEALTH**
V. Hachinski, *Canada*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall J

Free Papers Session 11: Neuromuscular disorders

Chairpersons: J. Kimura, *Japan*
J. Aarli, *Norway*

- 11:15 **INCREASED PROGRANULIN IN THE SKIN OF AMYOTROPHIC LATERAL SCLEROSIS: AN IMMUNOHISTOCHEMICAL STUDY**
K. Yasui, S. Ono, *Japan*
- 11:25 **DECREASED AMOUNT OF COLLAGEN IN THE SKIN OF AMYOTROPHIC LATERAL SCLEROSIS IN THE KII PENINSULA OF JAPAN**
T. Tsukie, S. Ono, *Japan*
- 11:35 **AUTOSOMAL RECESSIVE LIMB GIRDLE MUSCULAR DYSTROPHY: PROSPECTIVE STUDY AND CHARACTERISATION OF 280 CASES BY IMMUNOHISTOCHEMISTRY AND IMMUNOBLOTTING**
A. Nalini, *India*
- 11:45 **A RETROSPECTIVE REVIEW OF AUTONOMIC SCREENING TESTS CONDUCTED AT A TERTIARY GENERAL HOSPITAL**
O.S.Q. Koh, L.B. Tay, M.M. Li, T. Umapathi, *Singapore*
- 11:55 **MUSCLE MAGNETIC RESONANCE IMAGING (MRI) IN PATIENTS WITH LGMD 2I CONFIRMED BY IMMUNOHISTOCHEMISTRY AND / OR IMMUNOBLOTTING**
A. Ramakrishna, A. Nalini, N. Gayathri, M.M.S. Bharath, B. Sunitha, K. Polavarapu, *India*
- 12:05 **THE IMPORTANCE OF FOLLOW-UP THORACIC IMAGING IN MYASTHENIA GRAVIS PATIENTS**
H. Murai, K. Utsugisawa, S. Suzuki, T. Imai, Y. Nagane, M. Masuda, S. Konno, Y. Suzuki, S. Nakane, J.-I. Kira, *Japan*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall K

Free Papers Session 12: Neuromuscular disorders

Chairpersons: M. de Visser, *The Netherlands*
D.B.Vodusek, *Slovenia*.

- 11:15 **THE UP-REGULATION OF IL-1B/TGF-B1 AND HYPOXIA INDUCED IN IMMOBILIZATION ARE RELATED TO THE MOLECULAR MECHANISMS UNDERLYING MUSCLE CONTRACTURE**
Y. Honda, Y. Kondo, R. Sasabe, Y. Sekino, Y. Morimoto, H. Kataoka, J. Sakamoto, J. Nakano, T. Yoshimura, M. Okita, Laboratory of Locomotive Rehabilitation Science, *Japan*
- 11:25 **PLASMA CORTISOL LEVELS IN AMYOTROPHIC LATERAL SCLEROSIS**
R. Spataro, P. Volanti, F. Vitale, T. Colletti, D. De Cicco, F. Meli, V. La Bella, *Italy*
- 11:35 **ULTRASONOGRAPHY DOES NOT INCREASE SENSITIVITY OF THE CARPAL TUNNEL SYNDROME ELECTRODIAGNOSIS**
G. Omejec, S. Podnar, *Slovenia*
- 11:45 **ANOCTAMIN 5 MYOPATHY: MORE PATIENTS, MORE PHENOTYPES**
A. Behin, F. Leturcq, M. Cossée, K. Wahbi, N. Deburgrave, H.-M. Bécane, R.-Y. Carlier, P. Laforêt, T. Stojkovic, P. Carlier, B. Eymard, *France*
- 11:55 **CLINICAL, ULTRASTRUCTURAL STUDY OF TRASPORINOPATHY, A NEW NUCLEAR ENVELOPE LGMD**
C. Angelini, E. Peterle, M. Fanin, G. Cenacchi, V. Nigro, *Italy*
- 12:05 **NEUROANATOMICAL PATTERNS OF CENTRAL NERVOUS SYSTEM INVOLVEMENT IN MYOTONIC DYSTROPHY TYPE 1 AND CLINICAL CORRELATES**
F. Caso, F. Agosta, S. Peric, V. Rakocevic-Stojanovic, L. Sarro, V.S. Kostic, M. Filippi, *Italy, Serbia*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall L

Free Papers Session 13: Neuromuscular disorders

Chairpersons: E. Feldman, *USA*
W. Loescher, *Austria*

- 11:15 **ETIOLOGICAL CONSIDERATION OF 26 PATIENTS WITH DROPPED HEAD SYNDROME**
K. Uchino, G. Ogawa, T. Chiba, K. Hokkoku, Y. Hatanaka, M. Sonoo, *Japan*
- 11:25 **PROGRESS REPORT ON THE DEVELOPMENT OF NEW CLASSIFICATION CRITERIA FOR ADULT AND JUVENILE IDIOPATHIC INFLAMMATORY MYOPATHIES**
M. de Visser, A. Tjärnlund, M. Bottai, L.G. Rider, V.P. Werth, C. Pilkington, L. Alfredsson, A.A. Amato, R.J. Barohn, M.H. Liang, J.A. Singh, F.W. Miller, I.E. Lundberg, *The Netherlands, Sweden, USA, UK*
- 11:35 **COMPLEX CHROMOSOMAL REARRANGEMENTS IN A PATIENT WITH OLIGOZOOSPERMIA AND CHARCOT-MARIE-TOOTH DISEASE**
G.J. Braathen, V. Haugan, A.G.F. Helland, K.O. Clausen, *Norway*
- 11:45 **INCREASED PREVALENCE OF MALIGNANCY IN MITOCHONDRIAL DISORDERS**
J. Finsterer, E. Krexner, *Austria*
- 11:55 **AUTOSOMAL RECESSIVE CEREBELLAR ATAXIA: A CLINICAL AND GENETIC STUDY**
L. Ali-Pacha, W. Hamza, S. Nouioua, C. Lagier-Tourenne, S. Assami, T. Benhassine, M. Koenig, M. Tazir, *Algeria*
- 12:05 **PATHWAYS OF CARE OF ITALIAN PATIENTS IN VEGETATIVE STATE AND MINIMALLY CONSCIOUS STATE: RESULTS FROM A NATIONAL STUDY**
V. Covelli, M. Pagani, A.M. Giovannetti, D. Sattin, P. Meucci, M. Cerniauskaite, R. Quintas, S. Schiavolin, A. Raggi, M. Leonardi, *Italy*
- 12:15 **DIAGNOSIS AND MANAGEMENT OF NEURO-BEHÇET'S DISEASE: INTERNATIONAL CONSENSUS RECOMMENDATIONS**
S. Kalra, A. Silman, G. Akman-Demir, S. Bohlega, A. Borhani-Haghighi, C. Constantinescu, H. Houman, A. Mahr, C. Salvarani, P. Sfikakis, A. Siva, A. Al-Araji, *UK, Turkey, Saudi Arabia, Iran, Tunisia, France, Italy*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall M

Free Papers Session 14: Neuromuscular disorders

Chairpersons: J. Yeung, *Hong Kong S.A.R.*
K. Jellinger, *Austria*

- 11:15 **PRELIMINARY REPORT OF TROPALS STUDY - A SURVEY OF AMYOTROPHIC LATERAL SCLEROSIS IN AFRICA**
B. Marin, M. Diagana, B. Hamidou, R. Gouider, A. Basse Faye, A. Balogou, D. Houinato, P. Couratier, P.M. Preux, TROPALS Collaboration, *France, Mauritania, Tunisia, Senegal, Togo, Benin*
- 11:25 **INTERFERON GAMMA AS A POTENTIAL THERAPY FOR FRIEDREICH ATAXIA**
B. Tomassini, G. Arcuri, S. Fortuni, C. Sandi, V. Ezzatzadeh, C. Casali, I. Condo, F. Malisan, S. Al-Mahdawi, M. Pook, R. Testi, *Italy, UK*
- 11:35 **LATE-ONSET NON-THYMOMATOUS GENERALIZED MYASTHENIA GRAVIS**
S. Yildiz-Celik, H. Durmus, V. Yilmaz, P. Serdaroglu-Oflazer, Y. Gulsen-Parman, G. Saruhan-Direskeneli, F. Deymeer, *Turkey*
- 11:45 **SUBDERMAL NEEDLE ELECTRODE FACILITATES RECORDING OF LUMBAR N22 TIBIAL SEP RESPONSES**
B.E. Smith, J.C. Watson, B.P. Goodman, M.A. Ross, *USA*
- 11:55 **DETECTION OF LIMB GIRDLE MUSCULAR DYSTROPHY 2A (CALPAINOPATHY) BY AUTOCATALYTIC ACTIVITY OF CALPAIN AND BY QUANTIFICATION OF CALPAIN BANDS BY DENSITOMETRY**
S. Modi, A. Nalini, N. Gayathri, M.S. Bharath, B. Sunitha, K. Polavarapu, *India*
- 12:05 **CARPAL TUNNEL SYNDROME: THE POSSIBILITY OF EARLY DIAGNOSIS**
E. Bakhtereva, V. Shirokov, E. Leyderman, *Russia*
- 12:15 **PSYCHOSOCIAL FACTORS RELEVANT TO BRAIN DISORDERS IN EUROPE (PARADISE)**
A. Cieza, C. Sabariego, M. Coenen, J.-L. Ayuso-Mateos, M. Leonardi, S. Chatterji, J. Bickenbach, M. Baker, S. Hartley, M. Anczewska, T. Pitkänen, PARADISE Consortium, *UK, Germany, Switzerland, Spain, Italy, Belgium, Poland*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall N

Free Papers Session 15: Stroke

Chairpersons: G. Saposnik, *Canada*
M. Knoflach, *Austria*

- 11:15 **WALKING RECOVERY IN THE FIRST-YEAR AFTER STROKE: RESULTS FROM THE LEAPS RCT**
K.J. Sullivan, S.Y. Cen, *Stroke, USA*
- 11:25 **PREDICTORS OF LONG-TERM SURVIVAL AMONG FIRST-EVER ISCHEMIC AND HEMORRHAGIC STROKE IN A BRAZILIAN STROKE COHORT**
A. Goulart, T.G. Fernandes, I.S. Santos, A.P. Alencar, I.M. Bensenor, P.A. Lotufo, *Brazil*
- 11:35 **RELEVANCE OF GENETIC POLYMORPHISMS IN FAMILIAL INTRACRANIAL ANEURYSM IN BRAZILIAN POPULATION**
M.L. Gregório, M.A.S. Pinhel, G.M.D.S. Florim, G.S. Amorim, M.A. Nakazone, M.L.T. Santos, J.R.L. Ferraz-Filho, D.R.S. Souza, W.A. Tognola, *Brazil*
- 11:45 **FUNCTIONAL RECOVERY AFTER ISCHEMIC STROKE - A MATTER OF AGE. RESULTS FORM THE AUSTRIAN STROKE UNIT REGISTRY**
M. Knoflach, B. Matosevic, M. Rücker, M. Furtner, A. Mair, G. Wille, A. Zangerle, P. Werner, J. Ferrari, C. Schmidauer, L. Seyfang, S. Kiechl, J. Willeit, *Austrian Stroke Unit Collaboration, Austria*
- 11:55 **PREVALENCE OF CARDIOEMBOLIC STROKE INCREASED SIGNIFICANTLY IN CHINESE POPULATION IN THE PAST 10 YEARS**
Y. Soo, X. Huang, X.Y. Chen, N. Chan, V. Ip, L. Au, F. Fan, A. Chan, T. Leung, L.K.S. Wong, *Hong Kong S.A.R., China*
- 12:05 **HOW ACCURATE ARE CLINICIANS WHEN ESTIMATING STROKE OUTCOMES? RESULTS FROM THE JURASSIC RANDOMIZED STUDY**
G. Saposnik, R. Cote, R. Raptis, M. Mamdani, K. Thorpe, J. Fang, D. Redelmeier, L.B. Goldstein, *JURASSIC Study Group, Canada, USA*
- 12:15 **EFFECTS OF MLC601 ON EARLY RECURRENT VASCULAR EVENTS IN POST-STROKE PATIENTS - THE CHIMES STUDY**
C. Chen, N. Venketasubramanian, C.F. Lee, K.S.L. Wong, M.-G. Boussier, for the CHIMES Study Investigators, *Singapore, Hong Kong S.A.R., France*
- 12:30 Lunch Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

11:15-12:45

Hall O

Free Papers Session 16: Stroke

Chairpersons: G.L. Lenzi, *Italy*
D. Muresanu, *Romania*

- 11:15 **ELECTROCARDIOGRAPHIC MAXIMAL P-WAVE DURATION IN PATIENTS WITH ACUTE ISCHEMIC STROKE: A NOVEL YARDSTICK IN DIAGNOSING ISCHEMIC-STROKE SUBTYPES?**
M. Sugie, Y. Shimizu, K. Itaya, Y. Ohnaka, Y. Kamiya, H. Ichikawa, *Japan*
- 11:25 **VASCULAR ENDOTHELIAL GROWTH FACTOR: GENETIC POLYMORPHISMS IN PATIENTS WITH INTRACRANIAL ANEURYSM AND ITS RELATION TO HYPERTENSION AND DIABETES MELLITUS**
T.D.B. Maluf, M.L. Gregorio, M.A.D.S. Pinhel, M.L.T. Santos, M.A. Nakazone, J.R.L. Ferraz-Filho, W.A. Tognola, D.R.S. Souza, *Brazil*
- 11:35 **NANOWIRED CEREBROLYSIN ATTENUATED EXACERBATION OF BLOOD-BRAIN BARRIER BREAKDOWN, EDEMA FORMATION AND BRAIN PATHOLOGY AFTER HEATSTROKE IN DIABETIC AND HYPERTENSIVE RATS**
D.F. Muresanu, A. Sharma, R. Patnaik, H. Moessler, H.S. Sharma, *Romania, Sweden, India, Austria*
- 11:45 **TITLE: INDIAN APHASIA BATTERY: TOOL FOR SPECIFIC DIAGNOSIS OF LANGUAGE DISORDER POST STROKE**
A. Nehra, D. Pershad, V. Sreenivas, *India*
- 11:55 **SUPERFICIAL SIDEROSIS OF THE CENTRAL NERVOUS SYSTEM: A POST-MORTEM 7.0 TESLA MAGNETIC RESONANCE IMAGING STUDY WITH NEUROPATHOLOGICAL CORRELATES**
J. De Reuck, *Belgium*
- 12:05 **EFFECTS OF URIC ACID LEVELS ON OUTCOME IN SEVERE ISCHEMIC STROKE PATIENTS TREATED WITH INTRAVENOUS RTPA**
S.H. Heo, S.-H. Lee, J.-H. Kim, S.-H. Cho, S.S. Yoon, D.-I. Chang, *Republic of Korea*
- 12:15 **HEMATOMA SIZE BUT NOT GCS SCORE ON ADMISSION PREDICTS IN-HOSPITAL CASE FATALITY IN THE VERY ELDERLY. A CASE CONTROL STUDY**
M. Florczak-Rzepka, B. Piechowski-Jozwiak, K. Gocyla, J. Sierdzinski, H. Kwiecinski, A. Kaminska, *Poland, UK*

Monday, September 23, 2013

13:00-14:30

Hall B

Satellite Symposium Sponsored by Lundbeck & Teva:

Dopamine optimization and motor control in Parkinson's disease

Chairperson: **W. Poewe, Austria**

- 13:00 **CHAIRMAN'S INTRODUCTION: TREATMENT CONSIDERATIONS IN PARKINSON'S DISEASE**
W. Poewe, Austria
- 13:05 **MECHANISTIC BASIS FOR OPTIMIZING SYNAPTIC DOPAMINE IN THE TREATMENT OF PARKINSON'S DISEASE**
P. Jenner, UK
- 13:35 **CLINICAL STRATEGIES FOR EFFECTIVE MOTOR CONTROL IN ADJUNCTIVE THERAPY**
S. Isaacson; W. Poewe, USA, Austria
- 14:15 **Q&A PANEL DISCUSSION**
W. Poewe, Austria

Monday, September 23, 2013

13:00-14:30

Hall C

Satellite Symposium Sponsored by Genzyme

Can you spot them in time? Diagnostic challenges and clues for the General Neurologist in Pompe and Fabry disease

Chairperson: J. Wokke, *The Netherlands*

- 13:00 **SYMPOSIUM INTRODUCTION**
J. Wokke, *The Netherlands*
- 13:05 **DIAGNOSTIC GUIDANCE FOR FABRY DISEASE
HIGH RISK GROUPS**
A. Burlina, *Italy*
- 13:20 **CHALLENGING DIAGNOSTIC CASES**
R. Baron, *Germany*
- 13:35 **Q & A**
- 13:45 **MULTI-DISEASE DIAGNOSTIC ALGORITHMS FOR
PROXIMAL MUSCLE WEAKNESS AND PAUCI-
SYMPTOMATIC HYPERCKEMIA**
T. Mongini, *Italy*
- 14:00 **CHALLENGING DIAGNOSTIC CASES**
P. Young, *Germany*
- 14:15 **Q & A AND CLOSING REMARKS**
J. Wokke, *The Netherlands*

Monday, September 23, 2013

13:00-14:30

Hall D

Satellite Symposium Sponsored by Takeda:

Current perspectives in post stroke cognitive impairment

Chairperson: M. Brainin, *Austria*

13:00 **VASCULAR AND NEURONAL CROSS TALK IN
CEREBRAL ISCHEMIA**
A. Federico, *Italy*

13:30 **CRITICAL ISSUES IN POST STROKE COGNITIVE
IMPAIRMENT**
M. Brainin, *Austria*

14:00 **WHAT IS NEXT IN POST STROKE COGNITIVE
IMPAIRMENT?**
A. Guekht, *Russia*

Monday, September 23, 2013

13:00-14:30

Hall E

Satellite Symposium Sponsored by Allergan:

On the path of discovery: New perspectives on the role of BOTOX® (botulinum toxin type A) in neurology

Chairperson: D. Dodick, *USA*

- 13:00 **INTRODUCTION AND WELCOME**
D. Dodick, *USA*
- 13:05 **THE TARGETED SENSORIMOTOR ACTION OF BOTOX®**
O. Dolly, *Ireland*
- 13:20 **CERVICAL DYSTONIA: MORE THAN A MOTOR CONDITION**
M. Simonetta-Moreau, *France*
- 13:40 **THE BURDEN OF MULTIPLE SCLEROSIS - ARE WE LOOKING IN THE RIGHT DIRECTION?**
C. Fowler, *UK*
- 14:00 **SHEDDING LIGHT ON THE COMPLEX DISORDER OF CHRONIC MIGRAINE***
*HEADACHES ON ≥ 15 DAYS PER MONTH, OF WHICH AT LEAST 8 DAYS WITH MIGRAINE
D. Dodick, *USA*
- 14:20 **Q&A AND MEETING CLOSE**
D. Dodick, *USA*

Monday, September 23, 2013

14:45-16:15

Hall A

Stroke in the Young

Joint World Federation of Neurology/World Stroke Organization Session

Chairperson: **B. Norrving, Sweden**
 J. Ferro, Portugal

- 14:45 **NOVEL INSIGHTS IN CAUSES OF JUVENILE STROKE: DIAGNOSTIC AND THERAPEUTIC IMPLICATIONS**
 B. Norrving, Sweden
- 15:05 **CADASIL - THE CONTINUATION OF THE STORY**
 H. Chabriat, France
- 15:25 **STROKE RELATED TO PREGNANCY**
 J. Ferro, Portugal
- 15:45 **CHILDHOOD STROKES: CLINICAL SPECTRUM AND MANAGEMENT**
 G. deVeber, Canada
- 16:15 Coffee Break, Poster Viewing and Exhibition Visit

14:45-16:15

Hall B

Advances in Inherited neuropathies

Chairpersons: **M. Zatz, Brazil**
 M. Reilly, UK

- 14:45 **UNDERSTANDING THE PATHOMECHANISMS OF INHERITED PERIPHERAL NEUROPATHIES**
 V. Timmerman, Belgium
- 15:05 **CLINICAL PHENOTYPE OF GENETIC NEUROPATHIES**
 M. Reilly, UK
- 15:25 **NERVE CONDUCTION STUDIES IN THE DIAGNOSIS OF INHERITED NEUROPATHY**
 R. Lewis, USA
- 15:45 **THERAPEUTIC PERSPECTIVES IN GENETIC NEUROPATHIES**
 M. Shy, USA
- 16:15 Coffee Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

14:45-16:15

Hall C

Autonomic Nervous System

A presentation by the World Federation of Neurology's Applied Research Group on Autonomic Disorders

Chairpersons: R. Freeman, USA
M. Hiltz, Germany

14:45 **CENTRAL AND PERIPHERAL AUTONOMIC DISORDERS**

E. Benarroch, USA

15:05 **STANDARD AND NOVEL TESTS OF AUTONOMIC FUNCTION**

R. Freeman, USA

15:25 **GENETIC AUTONOMIC DISORDERS**

P. Cortelli, Italy

15:45 **ASSESSMENT AND TREATMENT OF UROGENITAL FUNCTION**

M. Hiltz, Germany

16:15 Coffee Break, Poster Viewing and Exhibition Visit

14:45-16:15

Hall D

Child neurology

Joint World Federation of Neurology / International Child Neurology Association Session

Chairpersons: C. Newton, Kenya
S. Alam, Pakistan

14:45 **STROKE MIMICS AND DIFFERENTIAL DIAGNOSES**

V. Ganesan, UK

15:05 **METABOLIC NEUROPATHIES IN CHILDHOOD**

R. Ouvrier, Australia

15:25 **ETHICS IN CHILD NEUROLOGY**

C. Newton, Kenya

15:45 **EPILEPSY AND COGNITION**

L. Lagae, Belgium

16:15 Coffee Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

14:45-16:15

Hall E

Autoimmune Encephalopathies

Chairpersons: J. Dalmau, *USA*
O. Seidi, *Sudan*

- 14:45 **BASAL GANGLIA ENCEPHALITIS AND AUTOIMMUNE MOVEMENT DISORDERS IN CHILDREN**
R. Dale, *Australia*
- 15:05 **AUTOIMMUNE ENCEPHALITIS IN JAPAN**
T. Iizuka, *Japan*
- 15:25 **SPECTRUM OF SYMPTOMS AND CELLULAR AND SYNAPTIC MECHANISMS OF NMDA AND OTHER AUTOIMMUNE ENCEPHALITIS**
J. Dalmau, *USA*
- 15:45 **ENCEPHALITIS AND ANTIBODIES TO VGKC-RELATED PROTEINS**
A. Vincent, *UK*
- 16:15 Coffee Break, Poster Viewing and Exhibition Visit

14:45-16:15

Hall G

Teaching Course 21: Update on different types of dementia

Chairpersons: M. Emre, *Turkey*
R.L. Arizaga, *Argentina*

- 14:45 **COGNITIVE IMPAIRMENT: CURRENT APPROACH**
R.L. Arizaga, *Argentina*
- 15:30 **ALZHEIMER'S DISEASE: AN UPDATE**
M. Emre, *Turkey*
- 16:15 Coffee Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

14:45-16:15

Hall H

Teaching Course 22: Update on MS & Demyelinating Diseases: Heterogeneity of CNS inflammatory demyelinating disease: Moving toward individualized diagnosis and treatment

Chairpersons: R. Gold, *Germany*
B. Weinschenker, *USA*

- 14:45 **MS: A DISEASE OR A SYNDROME; HOW TO DIAGNOSE AND AVOID MISDIAGNOSIS (EMPHASIZING CLINICAL CONSIDERATIONS)**
B. Weinschenker, *USA*
- 15:30 **AUTOANTIBODIES IN MS (AQP4, KIR4.1, MOG, NEUROFASCIN, AND OTHERS): WHAT IS THEIR CURRENT STATUS IN UNDERSTANDING THE DISEASE AND APPLICATION TO PERSONALIZED MEDICINE**
R. Gold, *Germany*
- 16:15 Coffee Break, Poster Viewing and Exhibition Visit
-

14:45-16:15

Hall I

Teaching Course 23: Clinical Neuropathology for Neurologists

Chairpersons: M. de Visser, *The Netherlands*
J. Hainfellner, *Austria*

- 14:45 **CYTOLOGICAL EXAMINATION OF THE CSF**
J. Hainfellner, *Austria*
- 15:05 **MASS LESION IN THE BRAIN AND CLINICAL NEUROPATHOLOGY**
J. Hainfellner, *Austria*
- 15:25 **MUSCLE WEAKNESS AND CLINICAL NEUROPATHOLOGY**
M. de Visser, *The Netherlands*
- 15:45 **SENSORY ABNORMALITIES AND CLINICAL NEUROPATHOLOGY**
M. de Visser, *The Netherlands*
- 16:05 **DISCUSSION**
- 16:15 Coffee Break, Poster Viewing and Exhibition Visit

Monday, September 23, 2013

14:45-16:15

Hall J

Teaching Course 24: Neuroophthalmology

Chairpersons: N.J. Newman, *USA*
D. Straumann, *Switzerland*

14:45 **OPTIC NEUROPATHIES**

N.J. Newman, *USA*

15:05 **PAPILLEDEMA**

V. Biousse, *USA*

15:25 **ANISOCORIA**

V. Biousse, *USA*

15:45 **CASE PRESENTATIONS**

N.J. Newman; V. Biousse, *USA*

16:05 **DISCUSSION**

16:15 Coffee Break, Poster Viewing and Exhibition Visit

14:45-16:15

Hall K

Teaching Course 25: Channelopathies

Chairpersons: L. Ptacek, *USA*
A. Vincent, *UK*

14:45 **AUTOANTIBODIES TO ION CHANNELS,
RECEPTORS AND ASSOCIATED PROTEINS**

A. Vincent, *UK*

15:30 **CHANNELS IN FAMILIAL HEMIPLEGIC MIGRAINE**

A. van den Maagdenberg, *The Netherlands*

16:15 Coffee Break, Poster Viewing and Exhibition Visit

14:45-16:15

Hall L

Teaching Course 26: How to get published in international journals

Chairpersons: J.D. England, *USA*
C. Kennard, *UK*

14:45 **THE FIRST STEP IN PUBLISHING - WHAT CAN I
DO?**

C. Kennard, *UK*

15:30 **THE ART AND SCIENCE OF WRITING ABOUT
CLINICAL OUTCOMES IN NEUROLOGY**

B. Ovbiagele, *USA*

Monday, September 23, 2013

14:45-16:15

Hall M

Teaching Course 27: Neuropsychology

Chairpersons: M. El Alaoui Faris, *Morocco*
F. Manes, *Argentina*

14:45 **EXECUTIVE & SOCIAL FUNCTIONS AND THE
FRONTAL LOBES: NEW CONCEPTS AND
IMPLICATIONS FOR NEUROLOGY**
F. Manes, *Argentina*

15:30 **DISORDERS OF WRITING LANGUAGES**
M. El Alaoui Faris, *Morocco*

16:15 Coffee Break, Poster Viewing and Exhibition Visit

16:45-18:15

Hall A

Stroke recovery and rehabilitation

*Joint World Federation of Neurology/World Stroke
Organization Session*

Chairpersons: M. Brainin, *Austria*
S. Cramer, *USA*

16:45 **BRAIN RECOVERY STRATEGIES**
S. Cramer, *USA*

17:05 **STEM CELL BASED THERAPIES FOR STROKE -
HOW FAR FROM THE BENCH?**
Z. Kokaia, *Sweden*

17:25 **CAN WE PREDICT RECOVERY POTENTIAL AFTER
STROKE?**
C. Stinear, *New Zealand*

17:45 **ORGANIZATION OF STROKE REHABILITATION
SERVICES**
M. Brainin, *Austria*

Monday, September 23, 2013

16:45-18:15

Hall B

Muscle Disorders

Chairpersons: Z. Argov, *Israel*
S. Mishra, *USA*

- 16:45 **MODERN GENETIC TREATMENTS OF MUSCULAR DYSTROPHIES**
T. Voit, *France*
- 17:05 **CLINICAL, GENETIC AND POSSIBLE THERAPEUTIC APPROACHES**
M. Zatz, *Brazil*
- 17:25 **CLINICAL, GENETIC AND IMAGING CHARACTERISTICS OF DISTAL MYOPATHIES**
B. Udd, *Finland*
- 17:45 **IATROGENIC MYOPATHIES**
Z. Argov, *Israel*
-

16:45-18:15

Hall C

Tropical Neurology

Chairpersons: A.G. Diop, *Senegal*
P.-M. Preux, *France*

- 16:45 **DEMENTIA IN TROPICAL AREAS, A FUTURE PUBLIC HEALTH CHALLENGE?**
T. Kamadore, *Senegal*
- 17:05 **STROKE IN TROPICAL COUNTRIES: PREVENTION AND MANAGEMENT**
M.T. Medina, *Honduras*
- 17:25 **NEUROLOGICAL COMPLICATIONS OF DENGUE**
J. Murthy, *India*
- 17:45 **EPILEPSY IN AFRICA: CURRENT SITUATION AND NEXT STEPS IN THE SITUATION OF GLOBALIZATION**
A. Gallo Diop, *Senegal*

Monday, September 23, 2013

16:45-18:15

Hall D

Infantile epilepsies: where are we going from here?

*Joint World Federation of Neurology / International League
Against Epilepsy / International Child Neurology Association
Session*

Chairpersons: **S.I. Moshe, USA**
 L. Lagae, Belgium

16:45 **INFANTILE EPILEPSY GUIDELINES**
 J. Wilmshurst, South Africa

17:15 **INFANTILE SEIZURES AND THEIR**
 COMORBIDITIES
 L. Lagae, Belgium

17:45 **INFANTILE EPILEPSIES; FROM THE CLINIC TO**
 THE BASICS AND BEYOND
 S.I. Moshe, USA

16:45-17:30

Hall E

Debate: Movement Disorders

Chairperson: **W. Poewe, Austria**

16:45 **DBS SHOULD BE CONSIDERED AS SOON AS**
 FLUCTUATIONS OCCUR

YES:
G. Deuschl, Germany

NO:
O. Rascol, France

Monday, September 23, 2013

16:45-18:15

Hall G

Teaching Course 21: Update on different types of dementia (cont.)

Chairpersons: M. Emre, *Turkey*
R.L. Arizaga, *Argentina*

16:45 **UPDATE ON FRONTO-TEMPORAL LOBAR DEGENERATIONS**
M. Rossor, *UK*

17:30 **VASCULAR COGNITIVE IMPAIRMENT: FROM WML TO FULL-BLOWN DEMENTIA**
G. Roman, *USA*

16:45-18:15

Hall H

Teaching Course 22: Update on MS & Demyelinating Diseases: Heterogeneity of CNS inflammatory demyelinating disease: Moving toward individualized diagnosis and treatment (cont.)

Chairpersons: R. Gold, *Germany*
B. Weinschenker, *USA*

16:45 **“OMIC” APPROACHES TO CNS DEMYELINATING DISEASES: WHAT HAS IT TOLD US AND WHAT IS THE POTENTIAL FOR THE FUTURE**
L. Fugger, *UK*

17:30 **MR IMAGING: HOW CAN IT HELP DIFFERENTIATE PROTOTYPIC MS FROM OTHER IIDD'S AND OTHER MIMICS OF MS**
F. Fazekas, *Austria*

Monday, September 23, 2013

16:45-18:15

Hall I

Teaching Course 23: Clinical Neuropathology for Neurologists (cont.)

Chairpersons: J. Hainfellner, *Austria*
M. de Visser, *The Netherlands*

- 16:45 **INTRACTABLE EPILEPSY AND CLINICAL NEUROPATHOLOGY**
A. Mühlebner, *Austria*
- 17:05 **CEREBRAL WHITE MATTER ABNORMALITY AND CLINICAL NEUROPATHOLOGY**
H. Lassmann, *Austria*
- 17:25 **DEMENTIA AND CLINICAL NEUROPATHOLOGY**
G. Kovacs, *Austria*
- 17:45 **PROGRESSIVE ABNORMALITY OF MOVEMENT / POSTURE AND CLINICAL NEUROPATHOLOGY**
G. Kovacs, *Austria*
- 18:05 **DISCUSSION**

16:45-18:15

Hall J

Teaching Course 24: Neuro-ophthalmology (cont.)

Chairpersons: N.J. Newman, *USA*
D. Straumann, *Switzerland*

- 16:45 **OCULAR MOTOR SIGNS IN ACUTE STROKE**
D. Straumann, *Switzerland*
- 17:10 **DIAGNOSIS AND TREATMENT OF NYSTAGMUS**
M. Strupp, *Germany*
- 17:35 **CASE PRESENTATIONS**
M. Strupp; D. Straumann, *Germany, Switzerland*
- 18:00 **DISCUSSION**

Monday, September 23, 2013

16:45-18:15

Hall K

Teaching Course 25: Channelopathies (cont.)

Chairpersons: A. Vincent, *UK*
 L. Ptacek, *USA*

16:45 **CHANNELS IN EPILEPSY**
 I. Scheffer, *Australia*

17:30 **PAROXYSMAL DYSKINESIAS**
 L. Ptacek, *USA*

16:45-18:15

Hall L

Teaching Course 26: How to get published in international journals (cont.)

Chairpersons: J.D. England, *USA*
 V. Hachinski, *Canada*

16:45 **WRITING FOR THE WORLD: ISSUES IN GLOBAL
 NEUROLOGY**
 D. Silberberg, *USA*

17:30 **NEW EMPHASES FOR THE JOURNAL OF
 NEUROLOGICAL SCIENCES AND HOW YOU CAN
 CONTRIBUTE**
 J.D. England, *USA*

16:45-18:15

Hall M

Teaching Course 27: Neuropsychology (cont.)

Chairpersons: M. El Alaoui Faris, *Morocco*
 F. Manes, *Argentina*

16:45 **ASSESSMENT OF LANGUAGE FUNCTIONS IN A
 GLOBAL WORLD**
 T. Bak, *UK*

17:30 **PRIMARY PROGRESSIVE APHASIA: A
 DIAGNOSTIC GUIDE FOR NEUROLOGISTS**
 T. Benke

Monday, September 23, 2013

17:30-18:15

Hall E

Debate: Multiple Sclerosis

Chairperson: W. Carroll, *Australia*

17:30 **CLINICIANS RATE RISK OF DISABLING MS LESS THAN RISK OF EFFECTIVE TREATMENT**

YES:

C. Heesen, *Germany*

NO:

D. Ontaneda, *USA*

18:30-20:00

Hall B

Satellite Symposium Sponsored by EISAI:

Under the Spotlight: Epilepsy management – are we on the right track?

Chairperson: S. Saville, *UK*

18:30 **NEWLY DIAGNOSED PATIENTS: ARE WE MAKING THE CORRECT DIAGNOSIS AND SELECTING THE APPROPRIATE INITIAL TREATMENT?**

M. Baulac, *France*

18:50 **WHAT ARE THE KEY CHALLENGES IN SELECTING THE APPROPRIATE COMBINATION THERAPY?**

E. Ben-Menachem, *Sweden*

19:10 **ARE WE ADDRESSING THE NEEDS OF OUR PATIENTS?**

M. Bagary, *UK*

19:30 **WHAT IS THE DIRECTION OF EPILEPSY MANAGEMENT IN THE FUTURE?**

E. Trinka, *Austria*

Monday, September 23, 2013

18:30-20:00

Hall D

Satellite Symposium Sponsored by EVER Neuro Pharma:

Multimodal treatment approaches in Stroke and Dementia

Chairperson: **W.-D. Heiss, Germany**

- 18:30 **ALZHEIMER'S DISEASE - DIAGNOSIS AND TREATMENT OPTIONS**
 S. Gauthier, Canada
- 18:50 **VASCULAR DEMENTIA - DIAGNOSIS AND TREATMENT OPTIONS**
 R. Schmidt, Austria
- 19:10 **EARLY MOBILIZATION AFTER STROKE**
 B. Norrving, Sweden
- 19:30 **TREATMENT OPPORTUNITIES WITHIN ORGANIZED STROKE CARE - THE IMPORTANCE OF EARLY RECOVERY**
 M. Brainin, Austria

Tuesday, September 24, 2013

07:00-08:00

Hall D

Free Teaching Course 28: How to examine a patient with vertigo (cont.)

Speaker: M. Strupp, *Germany*

08:00-09:00

Hall A

Plenary Lectures 5 & 6

Chairpersons: F. Fazekas, *Austria*
W. Hacke, *Germany*

08:00 **AUTOANTIBODIES AND CNS DISEASE**
A. Vincent, *UK*

08:30 **VASCULAR COGNITIVE IMPAIRMENT**
C. Chen, *Singapore*

09:00-10:30

Hall A

Biomarkers: Rethinking Alzheimer's Disease

Presented by the World Federation of Neurology's Applied Research Group on Dementia

Chairpersons: M. Emre, *Turkey*
K. Blennow, *Sweden*

09:00 **PET AND AMYLOID MARKERS**
K. Kantarci, *USA*

09:30 **CSF AND BLOOD BIOMARKERS**
K. Blennow, *Sweden*

10:00 **STRUCTURAL AND FUNCTIONAL MRI IN EARLY COGNITIVE IMPAIRMENT**
G. Frisoni, *Italy*

10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall B

Update on Clinical Subtypes and Diagnosis of Multiple Sclerosis

Chairpersons: W. Carroll, *Australia*
K. Fujihara, *Japan*

- 09:00 **DIAGNOSTIC CRITERIA OF MULTIPLE SCLEROSIS**
L. Kappos, *Switzerland*
- 09:20 **PROGRESSIVE MULTIPLE SCLEROSIS**
A. Thompson, *UK*
- 09:40 **PAEDIATRIC MULTIPLE SCLEROSIS: ITS UNIQUENESS AND IMPLICATIONS FOR ADULT MULTIPLE SCLEROSIS**
B. Banwell, *Canada*
- 10:00 **DIFFERENTIAL DIAGNOSIS OF MULTIPLE SCLEROSIS**
K. Fujihara, *Japan*
- 10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall C

Mitochondrial diseases

Chairpersons: L. Bindoff, *Norway*
H. Mizusawa, *Japan*

- 09:00 **NEW DIRECTIONS IN UNDERSTANDING MITOCHONDRIAL DISEASES IN CHILDREN**
A. Wartiovaara, *Finland*
- 09:30 **TREATABLE MITOCHONDRIAL DISEASES AFFECTING THE NERVOUS SYSTEM**
M. Hirano, *USA*
- 10:00 **MITOCHONDRIA AND NEURODEGENERATION**
L. Bindoff, *Norway*
- 10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall D

Global burden of stroke

Joint World Federation of Neurology/World Stroke Organization Session

Chairpersons: **J. Pandian, India**
 L. Wong, Hong Kong S.A.R.

09:00 **TRENDS IN STROKE INCIDENCE, PREVALENCE, MORTALITY AND DALYS**

V. Feigin, New Zealand

09:20 **REGIONAL DIFFERENCES IN STROKE SUBTYPES AND AETIOLOGIES: WHY DO THEY EXIST? HOW DO THEY AFFECT THERAPY?**

L. Wong, Hong Kong S.A.R.

09:40 **SOCIOECONOMICAL FACTORS AND STROKE**

G. Saposnik, Canada

10:00 **STROKE SERVICES IN LOW RESOURCE SETTINGS**

J. Pandian, India

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall E

Environmental Neurology

A presentation of the World Federation of Neurology's Applied Research Group on Environmental Neurology

Chairpersons: **G. Roman, USA**
 R. Lucchini, Italy

09:00 **MCS - "MULTIPLE CHEMICAL SENSITIVITY"**

J. Reis, France

09:30 **FROM NOSE TO BRAIN, HISTORICAL APPROACH AND RECENT DEVELOPMENTS IN PARKINSONISM**

R. Lucchini, Italy

10:00 **STROKE AND WEATHER**

V. Feigin, New Zealand

10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall F

Free Papers Session 17: MS & Demyelinating Diseases

Chairpersons: **B. Sigsbee, USA**
G. Comi, Italy

- 09:00 **EFFECT OF TERIFLUNOMIDE ON LYMPHOCYTE AND NEUTROPHIL COUNTS IN PATIENTS WITH RELAPSING MULTIPLE SCLEROSIS: RESULTS FROM THE TOWER STUDY**
G. Comi, M.S. Freedman, L. Kappos, A. Miller, T.P. Olsson, J.S. Wolinsky, J.-L. Delhay, J. Li, P. Truffinet, P.W. O'Connor, *Italy, Canada, Switzerland, USA, Sweden, France*
- 09:10 **CLINICAL INFLAMMATORY ACTIVITY ASSOCIATED WITH RESPONSE TO SECOND-LINE TREATMENTS IN MULTIPLE SCLEROSIS**
T. Gholipour, B.C. Healy, E.C. Dimakopolous, G. Buckle, H.L. Weiner, T. Chitnis, *USA*
- 09:20 **OPTICAL COHERENCE TOMOGRAPHY IN DIFFERENTIAL DIAGNOSIS OF NEUROMYELITIS OPTICA AND MULTIPLE SCLEROSIS**
Y. Beckmann, A. Ozdemir, *Turkey*
- 09:30 **SPECTRUM OF IDIOPATHIC INFLAMMATORY DEMYELINATING DISEASES OF THE CNS IN A TERTIARY CARE HOSPITAL IN INDIA**
G. Butchi Raju, S. Deshmukh, S. Gopi, T. Sateesh Kumar, *India*
- 09:40 **CEREBROSPINAL FLUID OLIGOCLONAL IGG BANDS IN JAPANESE PATIENTS WITH CLINICALLY ISOLATED SYNDROME**
M. Daifu, K. Tanaka, M. Tanaka, *Japan*
- 09:50 **ALEMTUZUMAB IMPROVES VISUAL OUTCOMES IN TREATMENT-NAÏVE PATIENTS WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS (RRMS): ANALYSIS FROM THE PHASE 3 CARE-MS I STUDY**
L.J. Balcer, D.L. Arnold, J.A. Cohen, A.J. Coles, C. Confavreux, E.J. Fox, H.-P. Hartung, E. Havrdova, K.W. Selmaj, H.L. Weiner, V. Brinar, G. Giovannoni, M. Stojanovic, A. Cinar, D.H. Margolin, M. Panzara, D.A.S. Compston, *USA, Canada, UK, France, Germany, Czech Republic, Poland*

Tuesday, September 24, 2013

09:00-10:30

Hall F

Free Papers Session 17: MS & Demyelinating Diseases (cont.)

- 10:00 **EDUCATIONAL ATTAINMENT MODERATES THE EFFECT OF T2 LESION LOAD AND ATROPHY ON COGNITION IN MULTIPLE SCLEROSIS**
D. Pinter, J. Sumowski, A. Pichler, M. Khalil, C. Langkammer, S. Fuchs, J. Deluca, F. Fazekas, C. Enzinger, *Austria, USA*
- 10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall G

Free Papers Session 18: MS & Demyelinating Diseases

Chairpersons: G. Ebers, *UK*
D.A.S. Compston, *UK*

- 09:00 **NEUROLOGICAL MANIFESTATIONS REVEALING GOUGEROT SJOGREN SYNDROME: 18 CASES**
I. Bedoui, M. Malek, A. Riahi, O. Ben Waddy, J. Zaouali, R. Mrissa, *Tunisia*
- 09:10 **INCIDENCE AND PREVALENCE OF MULTIPLE SCLEROSIS IN NORDLAND COUNTY, NORWAY, 1970 - 2010**
E. Benjaminsen, J. Olavsen, M. Karlberg, K. Alstadhaug, *Norway*
- 09:20 **IRON AND OXIDATIVE DAMAGE IN THE MULTIPLE SCLEROSIS BRAIN**
S. Hametner, I. Wimmer, L. Haider, W. Brück, H. Lassmann, *Austria, Germany*
- 09:30 **MONITORING AND MANAGEMENT OF MS PATIENTS STARTING NATALIZUMAB THERAPY IN GERMANY - FINAL RESULTS OF THE PROSPECTIVE TYSTART STUDY**
A. Chan, U. Walter, B. Kallmann, C. Wernsdoerfer, V.C. Zingler, *Germany*
- 09:40 **FUNCTIONAL AND STRUCTURAL DISRUPTION OF THE PRECUNEUS CONTRIBUTES TO COGNITIVE IMPAIRMENT IN PEDIATRIC MULTIPLE SCLEROSIS**
P. Preziosa, M.A. Rocca, M. Absinta, M.P. Amato, A. Ghezzi, L. Moiola, A. Fiorino, P. Veggiotti, G. Comi, M. Filippi, and the MS and Neuroimaging Study Groups of the Italian Neurological Society, *Italy*
- 09:50 **PROGNOSTIC VALUE OF MAGNETIZATION TRANSFER PARAMETERS IN CLINICALLY ISOLATED SYNDROMES (CIS)**
C. Oreja-Guevara, A. Royo, S. Noval, C. Valencia, C. Utrilla, J. Alvarez-Linera, *Spain*
- 10:00 **BG-12 EFFECTS ON QUALITY OF LIFE IN RELAPSING-REMITTING MS PATIENTS: INTEGRATED ANALYSIS OF THE PHASE 3 DEFINE AND CONFIRM STUDIES**
M. Kita, R.J. Fox, R. Gold, G. Giovannoni, J.T. Phillips, S.P. Sarda, J. Kong, N.C. Kurukulasuriya, V. Viglietta, S.I. Sheikh, K.T. Dawson, L. Kappos, *USA, Germany, UK, Switzerland*
- 10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall H

Free Papers Session 20: Dementia

Chairpersons: M. El Alaoui Faris, *Morocco*
M. Emre, *Turkey*

- 09:00 **COMPLEMENTARY AND ALTERNATIVE MEDICINE USE AMONG PATIENTS WITH COGNITIVE IMPAIRMENT IN SINGAPORE**
S. Hameed, S. Ting, F. Yan, H. Ng, D. Yeo, *Singapore*
- 09:10 **DIETARY PATTERNS AND RISK OF DEMENTIA IN AN ELDERLY JAPANESE POPULATION: THE HISAYAMA STUDY**
M. Ozawa, T. Ninomiya, T. Ohara, Y. Doi, K. Uchida, T. Shirota, K. Yonemoto, T. Kitazono, Y. Kiyohara, The Hisayama Study Group, *Japan*
- 09:20 **SAFETY AND EFFICACY OF ORM-12741 ON COGNITIVE AND BEHAVIORAL SYMPTOMS IN PATIENTS WITH ALZHEIMER'S DISEASE: A RANDOMIZED, DOUBLE-BLIND, PROOF-OF-CONCEPT STUDY**
J.O. Rinne², K. Wesnes, J. Hänninen, M. Murphy, H. Riordan, J. Rouru, ALPO Study Group, *Finland, UK, USA*
- 09:30 **ALZHEIMER'S DISEASE CSF BIOMARKERS PREDICT COGNITIVE DECLINE IN HEALTHY ELDERLY OVER TWO YEARS**
J.A. Monge-Argilés, R. Gasparini-Berenguer, C. Muñoz-Ruiz, J. Sánchez-Payá, M.E. Blanco-Cantó, C. Leiva-Santana, *Spain*
- 09:40 **NEUROPATHOLOGICAL STUDY IN DEMANTIA-FREE CENTENARIANS**
T. Iwase, M. Yoshida, Y. Hashizume, *Japan*
- 09:50 **COGNITIVE IMPAIRMENT - CAUSE OR CONSEQUENCE OF ANTICOAGULATION UNDERUSE?**
N. Diaconu, C. Gratii, A. Grosu, M. Lazu, G. Pavlic, *Moldova*
- 10:00 **ANTI-NMDAR ENCEPHALITIS: CLINICAL AND IMMUNOLOGICAL CHARACTERIZATION OF A CASE SERIES**
L. Zuliani, M. Zoccarato, S. Sartori, M.F. Pelizza, I. Rosellini, V. Argentiero, P. Marson, A. Suppiej, B. Giometto, *Italy*
- 10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-18:00

Hall I

Teaching Course /W33: EMG (analysis and hands-on)

Chairpersons: J. Kimura
J. Valls-Sole

- 09:00 **NERVE CONDUCTION STUDIES AND F WAVE**
J. Kimura
- 09:45 **SENSORY NERVE CONDUCTION STUDIES**
N. Birouk, *Morocco*
- 10:30 Coffee Break, Poster and Exhibition Visit
- 11:00 **EMG (CONVENTIONAL AND SINGLE FIBER)**
W. Grisold, *Austria*
- 12:30 Lunch Break, Poster and Exhibition Visit
- 14:30 **H REFLEX AND BLINK REFLEX**
J. Valls-Sole
- 16:00 Coffee Break, Poster and Exhibition Visit
- 16:30 **TRANSCRANIAL MAGNETIC STIMULATION**
P.M. Rossini, *Italy*

09:00-10:30

Hall J

Teaching Course 29: Movement Disorders (CL)

Chairpersons: E. Tolosa, *Spain*
K. Sethi, *USA*

- 09:00 **DIAGNOSIS AND TREATMENT OF TREMORS**
E. Tolosa, *Spain*
- 09:45 **AN UPDATE ON PAROXYSMAL DYSKINESIAS**
K. Sethi, *USA*
- 10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall K

Teaching Course 31: Neuro-critical care

Chairpersons: **S. Schwab**, *Germany*
E. Wijdicks, *USA*

09:00 **DIFFICULT DECISIONS IN CEREBRAL
HEMORRHAGE**
S. Schwab, *Germany*

09:45 **POSTRESUSCITATION COMA AND THERAPEUTIC
HYPOTHERMIA: CHALLENGES FOR THE
NEUROLOGIST**
E. Wijdicks, *USA*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall L

Teaching Course 32: Neuro metabolic disorders

Chairpersons: **A. Federico**, *Italy*
J.-M. Burgunder, *Switzerland*

09:00 **LATE ONSET NEUROMETABOLIC DISEASE:
PHENOTYPIC PRESENTATIONS AND GUIDELINES
FOR DIAGNOSIS**
A. Federico, *Italy*

09:45 **UPDATE ON NEUROMETABOLIC DISORDERS
INVOLVING EXTRAPYRAMIDAL SYSTEM**
V. Bonifati, *The Netherlands*

10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-10:30

Hall M

Teaching Course 30: The spectrum of neurooncology

Chairpersons: **R. Soffiatti, *Italy***
 W. Wick, *Germany*

09:00 **GLIOBLASTOMAS : FROM MOLECULAR
MARKERS TO TREATMENT DECISIONS**
 M. Weller, *Switzerland*

09:45 **ANAPLASTIC GLIOMAS : WHAT HAVE WE
LEARNT FROM RECENT CLINICAL TRIALS**
 W. Wick, *Germany*

10:30 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

09:00-18:00

Hall N

Teaching Course /W34: Ultrasound of extra- and intracranial vessels

Chairpersons: **M. Kaps, Germany**
 L. Wong, Hong Kong S.A.R.

- 09:00 **THE DOPPLER FREQUENCY SPECTRUM (PHYSICAL BACKGROUND, CLINICAL EXAMPLES OF DISTURBED FLOW, PROPER TERMINOLOGY)**
 L. Wong, Hong Kong S.A.R.
- 09:45 **CLASSIFICATION OF EXTRACRANIAL STENOSIS (GUIDELINES, PITFALLS, CLINICAL EXAMPLES)**
 G. Von Reutern, Germany
- 10:30 Coffee Break, Poster and Exhibition Visit
- 11:00 **DEMO: INVESTIGATION OF THE EXTRA/INTRACRANIAL ARTERIES**
- 11:45 **CLASSIFICATION OF INTRACRANIAL STENOSIS (ACTUALLY ACCEPTED CRITERIA, VASOSPASM AFTER SAH, PITFALLS)**
 L. Wong, Hong Kong S.A.R.
- 12:30 Lunch Break, Poster and Exhibition Visit
- 14:30 **HOW CAN SONOGRAPHY CONTRIBUTE TO BETTER UNDERSTANDING OF DEMENTIA? (NEW CONCEPTS LINKING VASCULAR AND ALZHEIMER DEMENTIA, THE NEUROVASCULAR UNIT, FUNCTIONAL TESTING)**
 N. Bornstein, Israel
- 15:15 **NON-ATHEROSCLEROTIC DISEASE OF CRANIAL ARTERIES (DISSECTION, CRANIAL (-TEMPORAL) ARTERITIS, FOLLOW UP AFTER STENTING)**
 K. Niederkorn, Austria
- 16:00 Coffee Break, Poster and Exhibition Visit
- 16:30 **4 GROUPS HANDS ON (2XTCD, 2XDUPLEX)**
- 17:30 **INTERACTIVE CLINICAL CASES (CASES THAT DEMONSTRATE HOW SONOLOGY CAN SUPPORT CLINICAL DECISIONS)**
 M. Kaps, Germany

Tuesday, September 24, 2013

11:00-12:30

Hall A

Alzheimer's Disease: Diagnostic Update

Chairpersons: R.L. Arizaga, *Argentina*
G. Waldemar, *Denmark*

11:00 **WHY NEW CRITERIA IN ALZHEIMER'S DISEASE?**
R.L. Arizaga, *Argentina*

11:30 **NEW CRITERIA IN ALZHEIMER'S DISEASE**
B. Dubois, *France*

12:00 **ALZHEIMER'S DISEASE DIAGNOSIS IN THE
DEVELOPING WORLD**
A. Ogunniyi, *Nigeria*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall B

Frontiers in Pathogenesis of Multiple Sclerosis

Chairpersons: R. Hohlfeld, *Germany*
C. Giancarlo, *Italy*

11:00 **NEUROPATHOLOGY OF MULTIPLE SCLEROSIS**
H. Lassmann, *Austria*

11:20 **IMMUNOLOGICAL ABNORMALITIES IN MULTIPLE
SCLEROSIS**
R. Hohlfeld, *Germany*

11:40 **THE EFFECT OF INTERACTION OF
ENVIRONMENT AND GENES ON EPIDEMIOLOGY
OF MULTIPLE SCLEROSIS**
G. Ebers, *UK*

12:00 **ROLE OF INFECTIONS IN THE PATHOGENESIS OF
MULTIPLE SCLEROSIS**
J. Correale, *Argentina*

12:30 Lunch Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

11:00-12:30

Hall C

Muscle Disorders

Chairpersons: I. Nishino, *Japan*
J. Walton, *UK*

- 11:00 **RECENT ADVANCES IN METABOLIC MYOPATHY**
I. Nishino, *Japan*
- 11:20 **RECENT ADVANCES IN MYOTONIC DISORDERS**
C. Thornton, *USA*
- 11:40 **RECENT ADVANCES IN CONGENITAL MYASTHENIC SYNDROME**
H. Lochmuller, *UK*
- 12:00 **RECENT ADVANCES IN INFLAMMATORY MYOPATHY**
F. Mastaglia, *Australia*
- 12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall D

Neuroophthalmology

Chairpersons: N.J. Newman, *USA*
C. Kennard, *UK*

- 11:00 **HOW CAN THE CLINICAL BEDSIDE EXAMINATION OF EYE MOVEMENTS INFORM THE NEUROLOGIST?**
G.M. Halmagyi, *Australia*
- 11:20 **HOW CAN OCULAR FUNDUS PHOTOGRAPHY INFORM THE NEUROLOGIST?**
N.J. Newman, *USA*
- 11:40 **HOW CAN OPTICAL COHERENCE TOMOGRAPHY (OCT) INFORM THE NEUROLOGIST?**
S.L. Galetta
- 12:00 **HOW CAN VENOUS IMAGING INFORM THE NEUROLOGIST?**
V. Biousse, *USA*
- 12:30 Lunch Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

11:00-12:30

Hall E

Climate and the Global Change

A presentation of the World Federation of Neurology's Applied Research Group on Environmental Neurology

Chairpersons: J. Reis, *France*
F. Gerstenbrand, *Austria*

11:00 **THE WEST NILE VIRUS STORY**
G. Roman, *USA*

11:30 **THE NO INPUT SYNDROME: FROM SPACE TO PATIENT**
F. Gerstenbrand, *Austria*

12:00 **NEUROLOGICAL CONSEQUENCES OF RADIATION: THE JAPANESE EXAMPLE**
Y. Ogawa, *Japan*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall F

Interventional Neuroradiology

Chairpersons: W. Hacke, *Germany*
L. Csiba, *Hungary*

11:00 **NEW TECHNIQUES AND DATA IN THE INTERVENTIONAL THERAPY OF RUPTURED ANEURYSM**
P. Lylyk, *Argentina*

11:20 **THE NEED OF RANDOMIZED EVIDENCE FOR RECANALIZATION DEVICES - A GENERAL STATEMENT**
W. Hacke, *Germany*

11:40 **STATUS AND PRELIMINARY RESULTS OF IMS III**
J. Broderick, *USA*

12:00 **SWIFT, A RANDOMIZED COMPARISON BETWEEN MERCI AND SOLITAIRE**
O. Zaidat, *USA*

12:30 Lunch Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

11:00-12:30

Hall G

Free Papers Session 19: MS & Demyelinating Diseases

Chairpersons: B. Yamout, *Lebanon*
E. Hynčicová, *Czech Republic*

- 11:00 **MEMORY IMPAIRMENT IN PATIENTS WITH CLINICALLY ISOLATED SYNDROME**
E. Hynčicová, E. Meluzínová, M. Vyhnálek, J. Vecánová, J. Libertínová, I. Kovářová, T. Nikolai, J. Hort, J. Laczó, *Czech Republic*
- 11:10 **CLINICAL AND EPIDEMIOLOGICAL PROFILE OF GUILLAIN-BARRE SYNDROME IN TUNISIA**
M. Gargouri, F. Nabli, S. Ben Sassi, F. Hentati, *Tunisia*
- 11:20 **NK CELL EXPANSION PREDICTS TREATMENT RESPONSE TO RITUXIMAB**
P.S. Rommer, E. Auff, F. Leutmezer, *Austria*
- 11:30 **MICRORNA REGULATION OF B CELLS IN MULTIPLE SCLEROSIS: MIR-320 AND ITS SPECIFIC TARGETS**
L.L. Aung, S. Dhib-Jalbut, K.E. Balashov, *USA*
- 11:40 **INTERFERON-BETA UP-REGULATES SUPPRESSOR OF CYTOKINE SIGNALING 1 IN T CELLS OF MULTIPLE SCLEROSIS PATIENTS**
R. Schneider, D. Beauseigle, P. Duquette, A. Prat, H.M. Johnson, N. Arbour, *Canada, USA*
- 11:50 **INTRINSIC DAMAGE TO THE CEREBELLAR PEDUNCLES IS ASSOCIATED TO MULTIPLE SCLEROSIS CLINICAL DISABILITY**
P. Preziosa, M.A. Rocca, S. Mesaros, E. Pagani, T. Stosic-Opincal, J. Drulovic, G. Comi, M. Filippi, *Italy, Serbia*
- 12:00 **NEUROMYELITIS OPTICA AND OPTIC SPINAL MULTIPLE SCLEROSIS ARE DIFFERENT DISEASES?**
M.P. Alvarenga, M.P. Alvarenga, C.C. Ferreira Vasconcelos, U.C. Linhares, C. Bento, G. Santos, R.M. Papais-Alvarenga, *Brazil*
- 12:30 Lunch Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

11:00-12:30

Hall H

Free Papers Session 21: Dementia

Chairpersons: J. Chopra, *India*
R. Nitrini, *Argentina*

- 11:00 **APOLIPOPROTEIN E PLASMA LEVEL AND GENOTYPE - RISK OF DEMENTIA IN 76,000 INDIVIDUALS FROM THE GENERAL POPULATION**
K.L. Rasmussen, A. Tybjerg-Hansen, B.G. Nordestgaard, R. Frikke-Schmidt, *Denmark*
- 11:10 **CSF ALZHEIMER'S DISEASE BIOMARKERS VALIDITY FOR EARLY DIFFERENTIAL DIAGNOSIS OF MILD COGNITIVE IMPAIRMENT PATIENTS**
J.A. Monge-Argilés, M.E. Blanco-Cantó, C. García-Pérez, A. García-Escrivá, C. Badía-Picazo, C. Muñoz-Ruiz, J. Sánchez-Payá, R. Gasparini-Berenguer, C. Leiva-Santana, *Spain*
- 11:20 **CLINICAL IMPLICATIONS OF HIPPOCAMPAL VULNERABILITY PATTERNS IN TAUOPATHIES**
I. Milenkovic, T. Petrov, G.G. Kovacs, *Austria, Switzerland*
- 11:30 **INTRANASAL DELIVERY OF CURCUMIN-DONEPEZIL NANOEMULSION FOR BRAIN TARGETING IN ALZHEIMER'S DISEASE**
S. Sood, K. Jain, K. Gowthamarajan, *India*
- 11:40 **AUTOLOGOUS ANTI-A β ANTIBODIES IN CAA-RI: NEW BIOMARKER FOR DETECTION OF AMYLOID-RELATED IMAGING ABNORMALITIES (ARIA) DURING A β -DISEASE MODIFYING THERAPIES FOR AD**
F. Piazza, S.M. Greenberg, M. Savoiaro, M. Gardinetti, R. Nitrini, H. Sakaguchi, I. Raicher, G. Giaccone, L. Chiapparini, M. Brioschi, G. Billo, A. Colombo, F. Lanzani, G. Piscosquito, M. Carriero, F. Tagliavini, C. Ferrarese, J.C. DiFrancesco, on behalf of the CAA-ri International Network, *Italy, USA, Brazil, Japan*
- 11:50 **HIGHER PLASMA CONCENTRATIONS OF TOTAL CAROTENOIDS ARE ASSOCIATED WITH SLOWER COGNITIVE DECLINE: RESULTS FROM THE AUSTRIAN STROKE PREVENTION STUDY**
A. Sen, K. Petrovic, P. Freudenberger, A.M. Töglhofer, R. Schmidt, H. Schmidt, Austrian Stroke Prevention Study, *Austria*
- 12:30 Lunch Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

11:00-12:30

Hall J

Teaching Course 29: Movement Disorders (CL) (cont.)

Chairpersons: E. Tolosa, *Spain*
K. Sethi, *USA*

11:00 THE MANY CAUSES OF PARKINSON DISEASE
C.M. Tanner, *USA*

11:45 ADDRESSING THE NON-MOTOR SYMPTOMS IN
PARKINSON DISEASE
G. Ransmayr, *Austria*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall K

Teaching Course 31 Neuro-critical care (cont.)

Chairpersons: S. Schwab, *Germany*
E. Wijdicks, *USA*

11:00 INTENSIVE CARE ACQUIRED WEAKNESS
(ICUAW)- A CLINICAL APPROACH
Z. Argov, *Israel*

11:45 REFRACTORY STATUS EPILEPTICUS AND LAST
RESORT OPTIONS
T.P. Bleck, *USA*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall L

Teaching Course 32: Neuro metabolic disorders (cont.)

Chairpersons: A. Federico, *Italy*
J.-M. Burgunder, *Switzerland*

11:00 LATE ONSET MITOCHONDRIAL
ENCEPHALONEUROMYOPATHIES
J.-M. Burgunder, *Switzerland*

11:45 LATE ONSET LYSOSOMAL MYOPATHIES:
MANAGEMENT AND THERAPY
A. Toscano, *Italy*

12:30 Lunch Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

11:00-12:30

Hall M

Teaching Course 30: The spectrum of neuro-oncology (cont.)

Chairpersons: **W. Wick**, *Germany*
 R. Soffietti, *Italy*

11:00 **LOW GRADE GLIOMAS : STATE OF ART AND FUTURE DIRECTIONS**

R. Soffietti, *Italy*

11:45 **NEOPLASTIC MENINGITIS: UPDATE ON DIAGNOSIS AND TREATMENT**

L.M. DeAngelis, *USA*

12:30 Lunch Break, Poster and Exhibition Visit

12:45-14:15

Hall C

Sponsored Symposium Sponsored by GE:

Satellite Symposium: Early and Accurate Diagnosis of Dementia: Clinical and Imaging Perspectives

Chairperson: **J. O'Brien**, *UK*

12:45 **INTRODUCTION AND WELCOME**

J. O'Brien, *UK*

12:50 **VISUALIZING THE SPECTRUM OF DEMENTIA - CORRELATES OF SCANNING AND NEUROPATHOLOGY**

J. O'Brien, *UK*

13:10 **DEVELOPMENTS IN THE EARLY DETECTION AND DIAGNOSIS OF PARKINSON'S DISEASE**

D. Grosset, *UK*

13:30 **THE ROLE OF SPECT IMAGING IN DIFFERENTIAL DIAGNOSIS OF DEMENTIA**

A. Padovani, *Italy*

13:50 **AMYLOID IMAGING IN ALZHEIMER'S -A NEW GENERATION OF DIAGNOSTIC TOOLS**

K. Van Laere, *Belgium*

14:10 **Q&A**

J. O'Brien, *UK*

Tuesday, September 24, 2013

12:45-14:15

Hall D

Tournament of the Minds – Qualifying Round

Chairpersons: R. Shakir, *UK*
A. Vass, *Austria*
E. Stoegmann, *Austria*
C. Enzinger, *Austria*
G.D. Perkin, *UK*
R. Stark, *Australia*

14:30-16:00

Hall A

Update in non AD dementias

Chairpersons: V. Hachinski, *Canada*
B.S. Jeon, *Republic of Korea*

14:30 **FRONTOTEMPORAL DEMENTIA**
M. Rossor, *UK*

15:00 **LEWY BODY DEMENTIA AND PARKINSON
DISEASE DEMENTIA**
M. Emre, *Turkey*

15:30 **VASCULAR DEMENTIA - NEW CONCEPTS**
V. Hachinski, *Canada*

16:00 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

14:30-16:00

Hall B

Emerging Multiple Sclerosis Treatment Strategies

Chairpersons: **W. Carroll, Australia**
 A. Thompson, UK

- 14:30 **OVERVIEW**
 W. Carroll, Australia
- 14:45 **PATHOPHYSIOLOGICAL INSIGHTS WITH**
 ADVANCED IMAGING OF MULTIPLE SCLEROSIS
 J. Geurts, The Netherlands
- 15:10 **OVER THE HORIZON THERAPIES**
 R. Ransohoff, USA
- 15:35 **DIFFICULT TO TREAT MS - AGGRESSIVE,**
 PROGRESSIVE, PAEDIATRIC AND LATE ONSET
 FORMS
 B. Kieseier, Germany
- 16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall C

Stem cells in neurology: hopes, uses and abuses

Chairpersons: **G. Martino, Italy**
 O. Lindvall, Sweden

- 14:30 **STEM CELL TRANSPLANTATION IN**
 PARKINSON'S DISEASE 30 YEARS LATER
 O. Lindvall, Sweden
- 15:00 **STEM CELL THERAPY IN INFLAMMATORY**
 NEUROLOGICAL DISORDERS
 G. Martino, Italy
- 15:30 **STEM CELL THERAPY IN CHILD NEUROLOGY**
 A. Curt, Switzerland
- 16:00 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

14:30-16:00

Hall D

Sports Neurology

Chairpersons: M. Hallett, *USA*
V. Dietz, *Switzerland*

14:30 **CONCUSSION: MECHANISM AND ACUTE MANAGEMENT**
J. Kutcher, *USA*

14:50 **CONCUSSION: CHRONIC MANAGEMENT AND SECOND IMPACT SYNDROME**
B. Jordan, *USA*

15:10 **PERIPHERAL NERVE INJURIES**
M. Hallett, *USA*

15:30 **CERVICAL SPINE INJURY**
V. Dietz, *Switzerland*

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall E

Nutritional Disorders & Neurotoxins

Chairpersons: M.T. Medina, *Honduras*
N. Senanayake, *Sri Lanka*

14:30 **TOXIC DISORDERS OF THE NERVOUS SYSTEM**
D. Tshala-Katumbay, *USA*

14:50 **MALNUTRITION AND BRAIN DEVELOPMENT**
K. Holden, *USA*

15:10 **NEUROLOGIC CONSEQUENCES OF MALNUTRITION**
M.T. Medina, *Honduras*

15:30 **DISORDERS OF THE NEUROMUSCULAR JUNCTION CAUSED BY NATURALLY OCCURRING NEUROTOXINS**
N. Senanayake, *Sri Lanka*

16:00 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

14:30-16:00

Hall F

Free Papers Session 22: Dementia

Chairpersons: U. Meyding-Lamadé, *Germany*
M. Filippi, *Italy*

- 14:30 **THE OUTCOME OF VENTRICULO-ATRIAL SHUNT FOR IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS: ANALYSIS OF 393 CASES**
K. Takagi, D. Oguri, Y. Kato, *Japan*
- 14:40 **NETWORK ANALYSIS OF INTRINSIC FUNCTIONAL CONNECTIVITY IN THE SEMANTIC VARIANT OF PRIMARY PROGRESSIVE APHASIA**
M. Filippi, F. Agosta, S. Galantucci, S. Sala, P. Valsasina, A. Meani, E. Canu, F. Caso, S.F. Cappa, G. Magnani, M. Franceschi, A. Falini, G. Comi, *Italy*
- 14:50 **POTENTIAL EFFECT OF AMYLOID IMAGING ON DIAGNOSIS AND INTENDED MANAGEMENT OF PATIENTS WITH COGNITIVE DECLINE: IMPACT OF APPROPRIATE USE CRITERION**
M.J. Pontecorvo, A. Siderowf, G. Dell'Agnello, M. Lu, C. Hunter, A.K. Arora, M.A. Mintun, *USA, Italy*
- 15:00 **BEING PHYSICALLY ACTIVE IS ASSOCIATED WITH IMPROVED EXECUTIVE FUNCTION AND PROCESSING SPEED BUT NOT MEMORY: THE LADIS STUDY**
K. Frederiksen, A. Verdelho, S. Madureira, H. Bänzner, J.T. O'Brien, F. Fazekas, P. Scheltens, R. Schmidt, A. Wallin, L.-O. Wahlund, T. Erkinjuntti, A. Poggesi, L. Pantoni, D. Inzitari, G. Waldemar, on behalf of the LADIS Study, *Denmark, Portugal, Germany, UK, Austria, The Netherlands, Sweden, Finland, Italy*
- 15:10 **MORPHOLOGICAL ALTERATIONS OF PURKINJE CELLS OF THE FLOCCULUS OF THE CEREBELLUM IN EARLY CASES OF ALZHEIMER'S DISEASE**
S.J. Baloyannis, I. Mavroudis, I.S. Baloyannis, V.G. Costa, *Greece*
- 15:20 **TELEMEDICINE - IS TELE-EEG, TELE-ELECTROPHYSIOLOGY AND TELECYTOLOGY POSSIBLE - A FEASIBILITY STUDY**
E. Craemer, F. Idris, N. Ahmad, D. Durani, B. Bassa, C. Jacobi, I. Jafaar, B. Kress, U. Meyding-Lamadé, *Germany, Brunei*
- 15:30 **ACUTE MYELOPATHIES FOLLOWING EPIDURAL AND SPINAL ANESTHESIA**
A. Honig, A. Lossos, M. Gumori, Z. Meiner, *Israel*

Tuesday, September 24, 2013

14:30-16:00

Hall G

Free Papers Session 23: Stroke

Chairpersons: S.M. Kim, *Republic of Korea*
M. Arezki, *Algeria*

- 14:30 **OPTIMIZED AMIDE PROTON TRANSFER IMAGING OF ISCHEMIC STROKE**
Z. Dai, G. Yan, S. Li, G. Xiao, Z. Shen, G. Zhang, R. Wu, *China*
- 14:40 **SEASONAL VARIATION IN STROKE OCCURRENCES IN JAPAN**
K. Shigematsu, T. Ito, N. Oka, H. Nakano, Y. Watanabe, The Kyoto Stroke Registry Committee, *Japan*
- 14:50 **INFLUENCE OF SERUM GLUCOSE ON THE RISK OF SYMPTOMATIC HAEMORRHAGIC TRANSFORMATION IN NON-DIABETIC PATIENTS TREATED BY THROMBOLYSIS FOR SUPRATENTORIAL STROKE**
M. Gnofam, D. Leys, N. Ponchelle de Quatre, M. Bodenant, H.C. Henon, R. Bordet, C. Cordonnier, *France*
- 15:00 **PATENT FORAMEN OVALE PREVALENCE IN PATIENTS WITH ACUTE ISCHEMIC STROKE AND THE RISK OF SUBSEQUENT EVENTS**
C. Fernandes, L. Pereira, M. Rodrigues, *Portugal*
- 15:10 **ISOLATED INFARCTION OF MEDULLARY PYRAMID: ITS CLINICAL FEATURES AND PATHOLOGY**
S. Kaji, H. Katada, S. Sato, H. Shibayama, T. Fukutake, Y. Kikuchi, S. Murayama, *Japan*
- 15:20 **SURGICAL THERAPY OF INTERNAL CAROTID ARTERY OCCLUSION (ICAO) IN NINE PATIENTS**
J.-J. Huang, Y.-W. Bai, S.-Q. Zhang, X. Ma, J.-P. Wang, C.-G. Ma³, *China*
- 15:30 **LONG-TERM RISK OF STROKE AND MYOCARDIAL INFARCTION IN WOMEN WITH LOW SOCIAL SUPPORT IN RUSSIA: MONICA-PSYCHOSOCIAL EPIDEMIOLOGICAL STUDY**
V. Gafarov, D. Panov, E. Gromova, I. Gagulin, A. Gafarova, *Russia*
- 16:00 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

14:30-16:00

Hall H

Free Papers Session 24: Stroke

Chairpersons: **J. Jiaping**, *China*
L. Vecsei, *Hungary*

- 14:30 **IMPACT OF PRIOR IV THROMBOLYSIS ON EARLY RECANALIZATION AND CLINICAL OUTCOME AFTER ENDOVASCULAR TREATMENT IN ACUTE ISCHEMIC STROKE**
D. Sanak, D. Skoloudik, T. Veverka, M. Kuliha, M. Kral, M. Kocher, M. Roubec, K. Langova, V. Prochazka, M. Nevrlý, D. Franc, K. Mensikova, R. Marak, P. Otruba, P. Kanovsky, *Czech Republic*
- 14:40 **PREDICTORS OF SHORT-TERM OUTCOME IN POSTERIOR CIRCULATION STROKES**
K. Antonenko, L. Sokolova, *Ukraine*
- 14:50 **THE VOLUME DWI METHOD INCREASES DETECTABILITY OF SMALL ISCHEMIC LESIONS IN PATIENTS WITH TRANSIENT GLOBAL AMNESIA**
T. Yuasa, K. Mutsukura, Y. Nakao, K. Ichinose, I. Tomita, H. Satoh, A. Satoh, M. Seto, M. Ochi, M. Tsujihata, *Japan*
- 15:00 **CEREBROVASCULAR REACTIVITY AND SYSTEMIC HAEMODYNAMICS PARAMETERS IN RESPONSE TO ACUTE HYPEROXIA IN STROKE AND DIABETIC PATIENTS WITH STROKE**
I. Hegedus, I. Drenjancevic, K. Buljan, B. Radanovic, *Croatia*
- 15:10 **HOSPITAL MORTALITY ASSOCIATED WITH STROKE IN SOUTHERN IRAN**
A. Borhani Haghighi, R. Safari, A. Safari, S.T.H. Heydari, *Iran*
- 15:20 **POSSIBILITIES OF NEUROPROTECTION DURING ARTERIAL HYPERTENSION AND CEREBROVASCULAR DISORDERS**
N. Salimova, *Uzbekistan*
- 16:00 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

14:30-16:00

Hall J

Teaching Course 36: Emergency neurology

Chairpersons: P. Berlit, *Germany*
J. Biller, *USA*

14:30 **MANAGEMENT OF ASCENDING PARESIS**
P. Berlit, *Germany*

15:15 **MANAGEMENT OF ACUTE HEADACHE**
A. Ducros, *France*

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall K

Teaching Course 37: How to do (and publish) trials in neurological disorders

Chairpersons: O. Rascol, *France*
P. Sandercock, *UK*

14:30 **DIFFERENT TYPES OF TRIALS FOR DIFFERENT OBJECTIVES: EXAMPLES FROM MOVEMENT DISORDERS**
O. Rascol, *France*

15:15 **TRIALS IN ACUTE DISORDERS LIKE STROKE AND HEAD INJURY - PETER SANDERCOCK**
P. Sandercock, *UK*

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall L

Teaching Course 38: Neurology and pain

Chairpersons: G. Cruccu, *Italy*
K. Foley, *USA*

14:30 **DIABETIC NEUROPATHY: NEW TREATMENT OPTIONS**
N. Attal, *France*

15:15 **LOW-BACK PAIN AND ANTIDEPRESSANTS**
G. Cruccu, *Italy*

16:00 Coffee Break, Poster and Exhibition Visit

Tuesday, September 24, 2013

14:30-16:00

Hall M

Teaching Course 35: Movement Disorders (AL)
translational research to bridge into clinical practice

Chairpersons: **W. Poewe, *Austria***
 M. Hallett, *USA*

14:30 **PARKINSON DISEASE, MOTOR ASPECTS**
 W. Poewe, *Austria*

15:15 **PARKINSON DISEASE, NON-MOTOR ASPECTS**
 R. Chaudhuri, *UK*

16:00 Coffee Break, Poster and Exhibition Visit

16:30-18:00

Hall A

Pathophysiological mechanisms in dementia: an update

Chairpersons: **S. Black, *Canada***
 R. Takahashi, *Japan*

16:30 **PROTEIN AGGREGATIONS**
 M.G. Spillantini, *UK*

17:00 **NEUROTRANSMITTERS DEFICITS**
 S. Black, *Canada*

17:30 **GENETIC CAUSES; MONOGENIC CAUSES AND
 RISK GENES**
 J. Hardy, *UK*

Tuesday, September 24, 2013

16:30-18:00

Hall B

Neuromyelitis Optica

Chairpersons: B. Weinschenker, *USA*
K. Fujihara, *Japan*

- 16:30 **CLINICAL SPECTRUM OF NEUROMYELITIS OPTICA**
B. Weinschenker, *USA*
- 16:50 **ANTI-AQUAPORIN 4 ANTIBODY: DETECTION METHODS AND PATHOGENETIC IMPLICATIONS**
P. Waters, *UK*
- 17:10 **IMMUNOPATHOLOGY OF NEUROMYELITIS OPTICA**
T. Misu, *Japan*
- 17:30 **CURRENT, FUTURE AND SYMPTOMATIC THERAPIES OF NEUROMYELITIS OPTICA**
J. de Seze, *France*

16:30-18:00

Hall C

Evolution in Neurology

A presentation by the World Federation of Neurology's Applied Research Group on the History of the Neurosciences

Chairpersons: G.K. York III, *USA*
A. Karenberg, *Germany*

- 16:30 **INTRODUCTION AND WELCOME**
G.K. York III, *USA*
- 16:50 **EVOLUTION IN ANCIENT AND GALENIC MEDICINE**
A. Karenberg, *Germany*
- 17:10 **DARWINIAN AND JACKSONIAN EVOLUTION**
D. Steinberg, *USA*
- 17:30 **EVOLUTION IN NEUROLOGY IN THE 20TH CENTURY...AND THE 21ST**
G.K. York III, *USA*

Tuesday, September 24, 2013

16:30-18:00

Hall D

Neurosurgery for Neurologists

Joint World Federation of Neurology and World Federation of Neurosurgical Societies Session

Chairpersons: **F. Tomasello, Italy**
 P. Black, USA

- 16:30 **NEUROLOGICAL SYNDROMES IN BULBAR
 COMPRESSION BY AN ECTATIC VERTEBRAL
 ARTERY**
 F. Tomasello, Italy
- 16:50 **NEUROSURGICAL CONTRIBUTIONS TO MAPPING
 THE HUMAN BRAIN**
 P. Black, USA
- 17:10 **SEIZURES AND SURGICAL MANAGEMENT OF
 LOW GRADE GLIOMAS**
 H. Duffau, France
- 17:30 **THE POTENTIAL OF DEEP BRAIN STIMULATION
 IN DISEASES OF THE BRAIN**
 A.M. Lozano, Canada
-

16:30-17:15

Hall E

Debate: Stroke

Chairperson: **W. Hacke, Germany**

16:30 **IT IS ETHICAL TO TEST RECANALIZATION
 DEVICES IN PLACEBO CONTROLLED TRIALS**

YES:

S. Davis, Australia

NO:

H. Mattle, Switzerland

Tuesday, September 24, 2013

16:30-18:00

Hall F

Free Papers Session 25: Stroke

Chairpersons: J. Kruja, *Albania*
C. Hicham, *Morocco*

- 16:30 **A POOLED ANALYSIS IDENTIFIES THE POTENTIAL AND LIMITATIONS TO IMPROVE UPON INTRAVENOUS RT-PA**
T.A. Kent, P. Mandava, *USA*
- 16:40 **INTRA-ARTERIAL MECHANICAL PROCEDURES IN TREATMENT OF ACUTE STROKE**
B. Labovic, S. Culafic, T. Lepic, R. Raicevic, *Serbia*
- 16:50 **CILOSTAZOL PLUS ASPIRIN VERSUS ASPIRIN ALONE IN PATIENTS WITH SYMPTOMATIC INTRACRANIAL ARTERIAL STENOSIS: RESULTS OF CATHARSIS**
S. Uchiyama, N. Sakai, S. Toi, M. Ezura, Y. Okada, M. Takagi, Y. Nagai, K. Miyakoda, K. Minematsu, N. Suzuki, N. Tanahashi, W. Taki, I. Nagata, M. Matsumoto, The CATHARSIS Study Group, *Japan*
- 17:00 **LONG-TERM NATURAL HISTORY OF INTRACRANIAL ARTERIAL STENOSIS: AN MRA FOLLOW-UP STUDY**
Y. Kim, W.S. Ryu, S.S. Park, Y.S. Kim, S.H. Lee, K. Kang, C. Kim, C.H. Sohn, S.H. Lee, B.W. Yoon, *Republic of Korea*
- 17:10 **SYSTEMIC ALLOSTATIC OVERLOAD IN ACUTE STROKE**
P.F. Fiori, A. Morella, G. Bellizzi, V. Pallecchia, L. Iurato, G. Esposito, C. Tammaro, E. Mazza, M. Rossi, L.M. Giannetti, M. D'Avanzo, M. Raffa, E. Pace, V.M.N. Ferrante, A. Monaco, *Italy*
- 17:20 **ESTIMATED GLOMERULAR FILTRATION RATE AND RISK OF SURVIVAL IN ACUTE STROKE**
F.A. Imarhiagbe, E.I. Okaka, F. Odiase, O. Okoye, *Nigeria*
- 17:30 **A-LIPOIC ACID TREATMENT IS NEURORESTORATIVE AND PROMOTES FUNCTIONAL RECOVERY AFTER STROKE IN RATS**
K. Choi, J. Kim, H. Kim, *Republic of Korea*

Tuesday, September 24, 2013

16:30-18:00

Hall G

Free Papers Session 26: Stroke

Chairpersons: W.C. Fong, *Hong Kong S.A.R.*
G. Fuller, *UK*

- 16:30 **TROPONIN-T IN ACUTE ISCHEMIC STROKE PATIENS - RESULTS OF THE PROSPECTIVE HISTORY STUDY**
M. Kral, D. Šaňák, T. Veverka, M. Hutyra, D. Vindiš, A. Bártková, T. Dorňák, M. Švábová, V. Kubíčková, J. Zapletalová, R. Herzig, D. Školoudík, P. Kaňovský, *Czech Republic*
- 16:40 **THE DISSEMINATION AND CONDITIONS FOR ENDOVASCULAR TREATMENTS IN ACUTE ISCHAEMIC STROKE IN EUROPE**
A. Kobayashi, A. Czlonkowska, EFNS Stroke Scientist Panel, *Poland*
- 16:50 **BEDSIDE DYSPHAGIA SCREENING AFTER ACUTE STROKE: INCIDENCE, SCREENING, AND CLINICAL OUTCOMES**
J.A.S. Vatanagul, C.P.V. Gallemitt, *Philippines*
- 17:00 **CIRCULATING BETA ANTITHROMBIN GLYCOFORM INCREASES DURING THE ACUTE ISCHEMIC CEREBROVASCULAR EVENT**
A.M. Garcia, M. de la Morena-Barrio, J. Corral, J. Iniesta, A. Miñano, *Spain*
- 17:10 **APPLICATION OF CHEMICAL EXCHANGE SATURATION TRANSFER (CEST) MRI IN ACUTE STROKE TO VISUALIZE TISSUE ACIDOSIS AND INFARCTION RISK**
J. Blicher, A. Tietze, I.K. Mikkelsen, L. Østergaard, M. Strother, S. Smith, M. Donahue, *Denmark, USA*
- 17:20 **MULTIDISCIPLINARY STROKE EARLY SUPPORTED DISCHARGE PROGRAM IN A LOCAL HOSPITAL: OUTCOME AND SAFETY**
W.C. Fong, S.T. Chan, C. Chao, T. Fung, V. Kwok, A. Tsoi, P. Lau, K.F. Leung, J.H.M. Chan, P.C.K. Li, *Hong Kong S.A.R.*

Tuesday, September 24, 2013

16:30-18:00

Hall H

Free Papers Session 27: Stroke

Chairpersons: **W Lang**, *R.O.C*
C.N. Ketzoian, *Uruguay*

- 16:30 **MORTALITY TRENDS BY STROKE IN URUGUAY**
H.J. Hackembruch, A. Perna, **C.N. Ketzoian**, *Uruguay*
- 16:40 **IS TREATMENT WITH ALTEPLASE BENEFICIAL IN ELDERLY PATIENTS OR PATIENTS WITH MILD DEFICIT?**
S. Greisenegger, **J. Ferrari**, L. Seyfang, W. Lang, *Austria*
- 16:50 **POSTSTROKE DEPRESSION**
A. Alajbegovic, J. Djelilovic-Vranic, L. Todorovic, S. Alajbegovic, A. Nakicevic, M. Tiric-Campara, *Bosnia-Herzegovina*
- 17:00 **LONG-TERM IMAGING FOLLOW-UP IN PATIENTS WITH ADEQUATELY COILED BASILAR TIP ANEURYSMS IS ESSENTIAL TO TIMELY DETECT LATE REOPENING**
M. van Eijck, W.J. van Rooij, M. Sluzewski, G. Roks, *The Netherlands*
- 17:10 **CEREBRAL VASOREACTIVITY WITH BREATH HOLDING TEST IN TRANSCRANIAL DOPPLER AND FUNCTIONAL MRI IN PATIENTS WITH CAROTID STENOSIS**
C.R. Campos-Herrera, G.C. Beltramini, W.M. Avelar, **L.M. Li**, *Brazil*
- 17:20 **CYP2C19 GENOTYPE AND RISK OF IN-STENT RESTENOSIS AMONG VERTEBRAL ARTERY STENT PATIENTS TREATED WITH CLOPIDOGREL: A RETROSPECTIVE STUDY**
Y. Xu, *China*

Tuesday, September 24, 2013

16:30-18:00

Hall J

Teaching Course 36: Emergency neurology (cont.)

Chairpersons: J. Biller, *USA*
P. Berlit, *Germany*

16:30 COMMONLY ASKED QUESTIONS IN PATIENTS WITH ACUTE ISCHEMIC STROKE CONSIDERED FOR INTRAVENOUS THROMBOLYSIS
J. Biller, *USA*

17:15 EMERGENCY MANAGEMENT OF CNS INFECTIONS
J. Weber, *Australia*

16:30-18:00

Hall K

Teaching Course 37: How to do (and publish) trials in neurological disorders (cont.)

Chairpersons: P. Sandercock, *UK*
O. Rascol, *France*

16:30 KEY ASPECTS OF TRIALS IN NEURO-REHABILITATION
G. Kwakkel, *The Netherlands*

17:15 INTERPRETING AND PUBLISHING TRIAL RESULTS
B. Ovbiagele, *USA*

16:30-18:00

Hall L

Teaching Course 38: Neurology and pain (cont.)

Chairpersons: K. Foley, *USA*
G. Cruccu, *Italy*

16:30 POSTHERPETIC NEURALGIA: FROM VACCINE TO SYMPTOMATIC TREATMENT
M. Haanpaa, *Finland*

17:15 THE PROBLEM OF MIXED PAIN IN CANCER
K. Foley, *USA*

Tuesday, September 24, 2013

16:30-18:00

Hall M

Teaching Course 35: Movement Disorders (AL)
translational research to bridge into clinical practice
(cont.)

Chairpersons: **W. Poewe**, *Austria*
 M. Hallett, *USA*

16:30 **DYSTONIA**
 M. Hallett, *USA*

17:15 **ESSENTIAL TREMOR**
 G. Deuschl, *Germany*

17:15-18:00

Hall E

Debate: Epilepsy

Chairperson: **J.J. Engel**, *USA*

17:15 **TREATMENT OPTIONS AND OUTCOMES FOR**
 EPILEPSY CONTINUE TO IMPROVE

YES:

M. Bialer, *Israel*

NO:

D.C. Hesdorffer; *USA*

Tuesday, September 24, 2013

18:15-19:45

Hall B

Satellite Symposium Sponsored by Novartis:

New therapeutic options for Alzheimer's disease: high dose (13.3 mg/24 h) rivastigmine patch

Chairpersons: J. Galvin, *USA*
R. Blesa, *Spain*

- 18:15 **WELCOME / INTRODUCTION**
R. Blesa, *Spain*
- 18:20 **ALZHEIMER'S DISEASE: CONSIDERATIONS FOR DIAGNOSIS AND TREATMENT INITIATION**
H. Förstl, *Germany*
- 18:40 **FACTORS THAT INFLUENCE TREATMENT OUTCOMES, ADHERENCE AND PERSISTENCE WITH RIVASTIGMINE PATCH**
R. Blesa, *Spain*
- 19:00 **OPTIMISING RIVASTIGMINE PATCH THERAPY OVER THE DISEASE COURSE (INCL. OPTIMA AND ACTION STUDIES)**
J. Galvin, *USA*
- 19:20 **SUMMARY AND CONCLUSIONS**
J. Galvin, *USA*
- 19:25 **PANEL DISCUSSION / Q&A**

Tuesday, September 24, 2013

18:15-19:45

Hall C

Satellite Symposium Sponsored by Biogen:

Moving the treatment of MS forward

Chairpersons: **E. Auff, Austria**
 H.P. Hartung, Germany

- 18:15 **TAILORING CHOICE: A DRUG FOR EACH PATIENT AT THE RIGHT TIME**
 M. Freedman, Canada
- 18:30 **PEGYLATION: A NEW ADVANCE AFTER 20 YEARS OF INTERFERON BETA EVOLUTION**
 B. Kieseier, Germany
- 18:50 **ORAL DIMETHYL FUMARATE: DEVELOPMENT FOR MS**
 T. Berger, Austria
- 19:20 **NATALIZUMAB: AN EARLY TREATMENT OPTION FOR THE RIGHT PATIENTS**
 P. Vermersch, France
- 19:40 **Q AND A**

Tuesday, September 24, 2013

18:15-19:45

Hall D

Satellite Symposium Sponsored by Menarini:

The Algorithm of Migraine Treatment

Chairpersons: **M.D. Ferrari, *The Netherlands***
 S. Evers, *Germany*

- 18:15 **INTRODUCTION**
 M.D. Ferrari, *The Netherlands*
- 18:20 **NEW DIAGNOSTIC AND SEVERITY CRITERIA FOR**
 MIGRAINE AND OTHER HEADACHES
 S. Evers, *Germany*
- 18:45 **TRIPTANS: WHAT HAVE WE LEARNT?**
 M.D. Ferrari, *The Netherlands*
- 19:10 **MANAGEMENT OF MIGRAINE PATIENTS IN**
 CLINICAL PRACTICE - A CASE-BASED
 APPROACH
 C. Lisotto, *Italy*
- 19:40 **CLOSURE**
 S. Evers, *Germany*

Wednesday, September 25, 2013

07:00-08:00

Hall D

Teaching Course 39: How to examine a patient with movement disorder

Speaker: K. Bhatia, *UK*

08:00-09:00

Hall A

Plenary Lectures 7 & 8

Chairpersons: D. Bergen, *USA*
R. Katzenschlager, *Austria*

08:00 **FULTON SYMPOSIUM SORIANO LECTURE:
IMPACT OF GENETICS ON THE FIELD OF
NEUROLOGY**
J. Hardy, *UK*

08:30 **TOWARDS A REDEFINITION OF PARKINSON'S
DISEASE**
W. Poewe, *Austria*

09:00-10:30

Hall A

Diagnosing Parkinson's Disease – evolving concepts

Joint World Federation of Neurology / International Parkinson and Movement Disorder Society Session

Chairpersons: G. Deuschl, *Germany*
E. Dietrichs, *Norway*

09:00 **PARKINSON'S DISEASE REVISITED**
E.C. Wolters, *The Netherlands*

09:20 **THE CONCEPT OF MILD COGNITIVE IMPAIRMENT
IN PARKINSON'S DISEASE**
B. Dubois, *France*

09:40 **GLOBAL BURDEN OF PARKINSON'S DISEASE**
C.M. Tanner, *USA*

10:00 **THE SPECTRUM OF NON-MOTOR
DISTURBANCES IN PARKINSON'S DISEASE AND
THEIR DIAGNOSIS**
R. Chaudhuri, *UK*

10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall B

Acute Brain Injury, beyond ICP and CPP

Chairpersons: C. Hemphill III, *USA*
J. Claassen, *USA*

09:00 **BRAIN OXYGEN MONITORING**
C. Hemphill III, *USA*

09:30 **CEREBRAL MICRODIALYSIS**
R. Helbok, *Austria*

10:00 **CONTINUOUS EEG AND MONITORING**
J. Claassen, *USA*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall C

Neurooncology

Chairpersons: W. Grisold, *Austria*
L.M. DeAngelis, *USA*

09:00 **CNS LYMPHOMA - RECENT DEVELOPMENTS IN
DIAGNOSIS AND TREATMENT**
L.M. DeAngelis, *USA*

09:20 **TUMORS OUTSIDE THE BRAIN**
W. Grisold, *Austria*

09:40 **THE VANISHING ROLE OF WHOLE BRAIN
RADIOTHERAPY IN NEUROONCOLOGY**
R. Soffiatti, *Italy*

10:00 **ANTI-ANGIOGENESIS IN GLIOBLASTOMA
THERAPY**
M. Weller, *Switzerland*

10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall D

Regional Session: Pan Arab Union of Neurological Societies (PAUNS)

Chairperson: A. Khalifa, *Syria*

09:00 **COGNITIVE EFFECTS OF CARDIAC SURGERY IN SYRIA**

A. Khalifa, *Syria*

09:30 **MANAGEMENT OF NONCONVULSIVE STATUS EPILEPTICUS**

H. Hosny, *Egypt*

10:00 **RECESSIVE ATAXIAS**

C. Mhiri, *Tunisia*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall E

Brain & Behavior

A presentation by the World Federation of Neurology's Applied Research Group on Aphasia and Cognitive Disorders

Chairpersons: F. Benedetti, *Italy*
F. Manes, *Argentina*

09:00 **HOW PLACEBOS CHANGE THE PATIENT'S BRAIN**
F. Benedetti, *Italy*

09:30 **APATHY, IRRITABILITY, PSYCHOSIS - PSYCHIATRIC SYMPTOMS IN MOTOR DISORDERS**
T. Bak, *UK*

10:00 **PSYCHIATRIC CONDITIONS THAT CAN MIMIC EARLY BEHAVIORAL VARIANT FRONTOTEMPORAL DEMENTIA (BVFTD)**
F. Manes, *Argentina*

10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall F

Free Teaching Course 43: The Future is ours! Meet the Young Neurologists worldwide

Chairpersons: **W. Struhal, *Austria***
 T. Wijeratne, *Australia*

- 09:00 **INTRODUCTION: ACTIVITIES OF YOUNG NEUROLOGISTS WORLDWIDE**
 W. Struhal, *Austria*
- 09:20 **NEUROLOGY TRAINING IN EUROPE**
 X. Kobeleva, *Germany*
- 09:40 **NEUROLOGY TRAINING IN AFRICA**
 F. Yepnijo, *France*
- 10:00 **INDIAN OCEAN TO DOWN UNDER- PERSONAL REFLECTIONS AND EARLY DAYS OF APAYNET**
 T. Wijeratne, *Australia*
- 10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall G

Free Papers Session 28: Movement Disorders

Chairpersons: C.W. Olanow, *USA*
F. Cardoso, *Brazil*

- 09:00 **SPHEROID BODIES: FROM SEITELBERGER'S DISEASE TO NEUROAXONAL DYSTROPHY AND MSA-C**
S.G. Echebarria Mendieta, *Spain*
- 09:10 **CLINICAL SPECTRUM OF CEREBRAL PALSY IN SOUTH JORDAN: ANALYSIS OF 122 CASES**
O. Nafi, *Jordan*
- 09:20 **A PHASE 2, PLACEBO-CONTROLLED, RANDOMIZED, DOUBLE-BLIND TRIAL OF TOZADENANT (SYN-115) IN PATIENTS WITH PARKINSON'S DISEASE WITH WEARING-OFF FLUCTUATIONS ON LEVODOPA**
R.A. Hauser, C.W. Olanow, K.D. Kieburtz, A. Neale, C. Resburg, U. Meya, S.I. Bankak, *USA*
- 09:30 **A LONG-TERM, OPEN-LABEL STUDY OF LEVODOPA-CARBIDOPA INTESTINAL GEL IN ADVANCED PARKINSON'S DISEASE PATIENTS: SAFETY AND MOTOR-SYMPTOM ENDPOINTS**
A.J. Espay, P. Odin, H.H. Fernandez, R.A. Hauser, D.G. Standaert, A.E. Lang, V.S. Fung, F. Klostermann, W.Z. Robieson, K. Chatamra, J. Benesh, *USA*,
Germany, Sweden, Canada, Australia
- 09:40 **POSTURAL ABNORMALITY AS A RISK MARKER FOR LEG DEEP VEIN THROMBOSIS (DVT) IN PARKINSON'S DISEASE**
T. Hirose, K. Yamane, M. Ota, F. Kimura, *Japan*
- 09:50 **GENETIC DECONVOLUTION OF CEREBELLAR ATAXIAS IN INDIA THROUGH NEXT GENERATION SEQUENCING: NOVEL MUTATIONS IN ATYPICAL AND TYPICAL GENETIC LOCI**
M. Faruq, A. Narang, R. Kumari, D. Dash, A.K. Srivastava, M. Mukerji, *India*
- 10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall H

Free Papers Session 29: Movement Disorders

Chairpersons: B.S. Jeon, *Republic of Korea*
D. Komphf, *Germany*

- 09:00 **ASSOCIATION OF IDIOPATHIC POLYNEUROPATHY AND INCIDENT PARKINSON'S DISEASE: A POPULATION-BASED OBSERVATIONAL STUDY**
F. Andersohn, A. Miclea, C. Ismail, N. Arnold, D. Guo, T. Nisslein, C. Conradt, *Germany, USA*
- 09:10 **CAN REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION (RTMS) HELP ON-FREEZERS WITH ADVANCED PD?**
H. Shehata, M. Tamawy, N. Mohieldin, E. Hassan, A. Naweto, *Egypt*
- 09:20 **BRIEF ASSESSMENT OF COGNITIVE DECLINE IN THE EARLY STAGES OF PARKINSON'S DISEASE - A TWO YEAR LONGITUDINAL STUDY**
P. Bugalho, M. Viana-Baptista, *Portugal*
- 09:30 **INVESTIGATION OF CORTICAL BRAIN DAMAGE IN PATIENTS WITH MACHADO-JOSEPH DISEASE**
T.J.R. Rezende, A. D'Abreu, R. Guimarães, T.M. Lopes, I. Lopes-Cendes, G. Castellano, M.C. França Junior, *Brazil*
- 09:40 **RAPID EYE MOVEMENT SLEEP BEHAVIOR DISORDER IN PATIENTS WITH PARKINSON'S DISEASE: USING RAPID EYE MOVEMENT SLEEP BEHAVIOR DISORDER SCREENING QUESTIONNAIRE**
K. Suzuki, T. Miyamoto, M. Miyamoto, Y. Watanabe, S. Suzuki, M. Tatsumoto, M. Iwanami, T. Sada, T. Kadowaki, A. Numao, K. Hashimoto, H. Sakuta, K. Hirata, *Japan*
- 09:50 **CORONAL OBLIQUE ORIENTATION OFFERS IMPROVED VISUALIZATION OF NEUROFORAMINA IN CERVICAL SPINE MAGNETIC RESONANCE IMAGING**
W. Freund, S. Klessinger, M. Mueller, M.-E. Halatsch, G. Hoepner, B.L. Schmitz, *Germany*
- 10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall I

Free Papers Session 30: Movement Disorders

Chairpersons: K. Sethi, *USA*
L. Almaguer Mederos, *Cuba*

- 09:00 **HIGH RESOLUTION OPTICAL COHERENCE TOMOGRAPHY OF THE RETINA DEMONSTRATES SELECTIVE THINNING IN INDIVIDUAL RETINAL LAYERS IN PARKINSON'S DISEASE**
I. Gottlob, A. Pilat, R. McLean, V. Sheth, G. Maconachie, Y. Rajabally, F.A. Proudlock, *UK*
- 09:10 **GLUTATHIONE S-TRANSFERASE OMEGA 2 INFLUENCE THE CLINICAL PHENOTYPE OF SPINOCEREBELLAR ATAXIA TYPE 2**
L. Almaguer Mederos, R. Aguilera Rodríguez, D. Almaguer Gotay, Y. González Zaldivar, D. Cuello Almarales, J. Laffita Mesa, Y. Vázquez Mojena, P. Zayas Feria, L. Velázquez Pérez, P. MacLeod, *Cuba, Canada*
- 09:20 **ADVERSE DRUG REACTIONS WITH SELEGILINE AND RASAGILINE COMPARED TO LEVODOPA AND ROPINIROLE: A STUDY IN THE FRENCH PHARMACOVIGILANCE DATABASE**
S. Perez-Lloret, M.V. Rey, J.-L. Montastruc, O. Rascol, *France*
- 09:30 **INTERGENERATIONAL CAG REPEAT INSTABILITY AND MUTATIONAL FLOW IN CUBAN FAMILIES WITH SPINOCEREBELLAR ATAXIA TYPE 2**
L. Almaguer Mederos, J. Laffita Mesa, Y. González Zaldivar, D. Cuello Almarales, D. Almaguer Gotay, Y. Vázquez Mojena, P. Zayas Feria, G. Sánchez, L. Velázquez Pérez, *Cuba*
- 09:40 **DIPLOPIA IN PARKINSON'S DISEASE: PREVALENCE AND ASSOCIATIONS WITH OTHER MOTOR AND NON MOTOR SYMPTOMS**
A. Sauerbier, P. Martinez-Martin, A. Todorova, L. Gallagher, J. Tuazon, A. Rizos, C. Rodriguez-Blazquez, K. Ray Chaudhuri, *UK, Spain*
- 09:50 **ANTIPSYCHOTIC EFFICACY AND MOTOR TOLERABILITY IN A PHASE III PLACEBO-CONTROLLED STUDY OF PIMAVANSERIN IN PATIENTS WITH PARKINSON'S DISEASE PSYCHOSIS (ACP-103-020)**
J. Cummings, S. Isaacson, R. Mills, H. Williams, K. Chi-Burris, R. Dhall, C. Ballard, *USA, UK*

Wednesday, September 25, 2013

09:00-10:30

Hall I

Free Papers Session 30: Movement Disorders (cont.)

10:00 **CHARACTERISTICS OF WATER CHANNEL PROTEIN AQUAPORIN EXPRESSION IN PARKINSON'S DISEASE**

A. Hoshi, A. Tsunoda, M. Tada, Y. Ugawa, M. Nishizawa, H. Takahashi, A. Kakita, *Japan*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall J

Teaching Course /W45: Nerve & muscle ultrasound

Chairpersons: E. Bodner, *Austria*
A. Boon, *USA*

09:00 **ULTRASOUND GUIDED INTERVENTION ON PERIPHERAL MONONEUROPATHY**

E. Bodner, *Austria*

09:45 **ULTRASOUND AS A COMPLEMENT TO ELECTRODIAGNOSIS**

A. Boon, *USA*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall K

Teaching Course 41: Dementia (AL) - translational research to bridge into clinical practice

Chairpersons: R. Schmidt, *Austria*
P. Scheltens, *The Netherlands*

09:00 **GENOME-WIDE ASSOCIATION RESULTS IN AD: WILL THEY EVER YIELD NEW THERAPEUTIC STRATEGIES?**

C. van Duijn, *The Netherlands*

09:45 **MRI METHODS FOR IN VIVO DETECTION OF MICROSTRUCTURAL TISSUE CHANGES IN DEMENTIA: IS WHAT WE DON'T SEE MORE IMPORTANT THAN WHAT WE SEE?**

R. Schmidt, *Austria*

10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

09:00-10:30

Hall L

Teaching Course 42: MS & Demyelinating Diseases (AL) - translational research to bridge into clinical practice

Chairpersons: **W. Carroll, *Australia***
 H. Lassmann, *Austria*

09:00 **DIVERGENCE AND CONVERGENCE IN THERAPEUTIC ADVANCES**
 W. Carroll, *Australia*

09:45 **THE ROLE OF MRI IN MODERN MANAGEMENT AND TREATMENT DECISIONS IN MS**
 F. Fazekas, *Austria*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall M

Teaching Course 44: Motor neuron disease: ALS for the clinician

Chairpersons: **A. Ludolph, *Germany***
 R. Kaji, *Japan*

09:00 **THE CLINICAL DIAGNOSIS OF ALS - STRATEGIES AND PITFALLS**
 A. Ludolph, *Germany*

09:45 **THE CONTRIBUTION OF ELECTROPHYSIOLOGY**
 R. Kaji, *Japan*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall N

Teaching Course 8: Neuroepidemiology

Chairpersons: **P. Heuschmann, *Germany***
 V. Feigin, *New Zealand*

09:00 **GLOBAL BURDEN OF STROKE 1990-2010: UPDATES FROM GBD PROJECT**
 V. Feigin, *New Zealand*

09:45 **NEUROEPIDEMIOLOGY ISSUES IN AFRICA**
 P.-M. Preux, *France*

10:30 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall A

Latest developments in the treatment of Parkinson's disease

Chairpersons: E.C. Wolters, *The Netherlands*
R. Katzenschlager, *Austria*

- 11:00 RECENT DEVELOPMENTS OF MEDICAL MANAGEMENT FOR PARKINSON'S DISEASE
R. Katzenschlager, *Austria*
- 11:20 RECENT DEVELOPMENTS OF SURGICAL THERAPY FOR PARKINSON'S DISEASE
R. Uitti, *USA*
- 11:40 TREATMENT OF AFFECTIVE AND PSYCHOTIC DISORDERS IN PARKINSON'S DISEASE
P. Barone, *Italy*
- 12:00 TREATMENT OF AUTONOMIC DISTURBANCES IN PARKINSON'S DISEASE
P. Pal, *India*
- 12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall B

Neurocritical Care in Stroke

Chairpersons: S. Schwab, *Germany*
U.K. Misra, *India*

- 11:00 ANEURYSMAL SUBARACHNOID HEMORRHAGE
E. Schmutzhard, *Austria*
- 11:20 INTRACEREBRAL HEMORRHAGE
T. Steiner, *Germany*
- 11:40 ISCHEMIC STROKE
S. Schwab, *Germany*
- 12:00 SINUS VENOUS THROMBOSIS
U.K. Misra, *India*
- 12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall C

Neuro-Otology and Ophthalmology: Evaluation and Management of Vertigo, Nystagmus and Visual Disturbances

Chairpersons: R.J. Leigh, *USA*
G.M. Halmagyi, *Australia*

- 11:00 **EVALUATION AND MANAGEMENT OF THE PATIENT WITH UNILATERAL AND BILATERAL PERIPHERAL VESTIBULAR DISTURBANCES**
G.M. Halmagyi, *Australia*
- 11:30 **EVALUATION AND MANAGEMENT OF CENTRAL VESTIBULAR DISTURBANCES AND NYSTAGMUS**
R.J. Leigh, *USA*
- 12:00 **NEW APPROACHES TO TREATING VISUAL DEFECTS AND NYSTAGMUS**
C. Kennard, *UK*
- 12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall D

Neuroepidemiology

A presentation of the World Federation of Neurology's Applied Research Group on Neuroepidemiology

Chairpersons: G. Logroscino, *Italy*
V. Feigin, *New Zealand*

- 11:00 **ALZHEIMER'S DISEASE AND PARKINSON DISEASE IN POPULATION-BASED STUDIES INVOLVING SUPEROLD**
C. Brayne, *UK*
- 11:30 **THE STUDY OF EPILEPSY IN DEVELOPING COUNTRIES: THE ROLE OF DIFFERENT CULTURE**
P.-M. Preux, *France*
- 12:00 **ALS: THE STUDY OF A RARE DISEASE IN POPULATION-BASED SETTING**
G. Logroscino, *Italy*
- 12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall E

Psychiatry for the Neurologist: Theoretical and clinical implications

Joint World Federation of Neurology / World Psychiatric Association Session

Chairpersons: L. Kuey, *Turkey*
M. El Alaoui Faris, *Morocco*

11:00 **NEUROBIOLOGY IN PSYCHIATRY**

A. Heinz, *Germany*

11:20 **SOMATIFORM DISORDERS**

M. El Alaoui Faris, *Morocco*

11:40 **CATATONIA**

S. Laureys, *Belgium*

12:00 **DEPRESSIVE DISORDERS: CHALLENGES IN CLASSIFICATION AND CLINICAL PRACTICE**

L. Kuey, *Turkey*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall F

Free Teaching Course 43: The Future is ours! Meet the Young Neurologists worldwide (cont.)

Chairpersons: W. Struhal, *Austria*
T. Wijeratne, *Australia*

11:00 **PAST, PRESENT AND FUTURE NEUROLOGY TRAINING IN SOUTH EAST ASIA (SEA)**

S. Tanprawate, *Thailand*

11:20 **SCIENTIFIC OPPORTUNITIES FOR JUNIOR NEUROLOGISTS IN EUROPE**

J. Sellner, *Austria*

11:40 **BENCH TO BEDSIDE: LESSONS FROM A PERSONAL TRAINING EXPERIENCE BETWEEN NIGERIA AND UK**

R. Akinyemi, *UK*

12:00 **STRUCTURE OF NEUROLOGY TRAINING IN INDIAN SUBCONTINENT**

M.M. Mehndiratta, *India*

12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall G

Training in neurology around the world

Chairpersons: **W. Grisold, *Austria***
 R. Gouider, *Tunisia*

- 11:00 **EDUCATION AS AN IMPACT IN THE HEALTH SYSTEM**
 M.T. Medina, *Honduras*
- 11:15 **EDUCATIONAL STRUCTURES IN ASIA**
 M.M. Mehndiratta, *India*
- 11:30 **THE NEEDS IN AFRICAN EDUCATION**
 A.G. Diop, *Senegal*
- 11:45 **SUBSPECIALIZATION - A NEW DEVELOPMENT IN NEUROLOGY**
 S. Sergay, *USA*
- 12:00 **CERTIFICATION AND HARMONIZATION IN EUROPE**
 W. Grisold, *Austria*
- 12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall H

Free Papers Session 31: Movement Disorders

Chairpersons: V. Ponomarev, *Belarus*
C. Trenkwalder, *Germany*

- 11:00 **THE SEQUENCE EFFECT IS NOT A DEFINING CHARACTERISTIC OF PARKINSON'S DISEASE**
J. Alty, S. Lacy, S. Jamieson, K. Possin, N. Schuff, M. Lones, S.L. Smith, *UK, USA*
- 11:10 **EFFICACY, SAFETY AND TOLERABILITY OF RASAGILINE AS AN ADD-ON THERAPY TO DOPAMINE AGONISTS IN EARLY PARKINSON'S DISEASE: THE ANDANTE STUDY**
S. Isaacson, D. Silver, A. Choudhry, R.A. Hauser, *USA*
- 11:20 **SUBSTANTIA NIGRA HYPERECHOGENICITY AND APPARENT DIFFUSION COEFFICIENT (ADC): RELATIONSHIP TO CLINICAL FEATURES OF THE PARKINSON'S DISEASE**
K. Mazurenka, V. Ponomarev, R. Sakovich, *Belarus*
- 11:30 **SEVERE NIGROSTRIATAL DEGENERATION WITHOUT CLINICAL PARKINSONISM IN PATIENTS WITH POLG MUTATIONS**
C. Tzoulis, G.T. Tran, T. Schwarzlmüller, K. Specht, K. Haugarvoll, N. Balafkan, P.K. Lilleng, H. Miletic, B. Martin, L.A. Bindoff, *Norway*
- 11:40 **NON-MOTOR FEATURES AND MOTOR COMPLICATIONS IN IPD: ARE UPDRS PARTS I AND IV RELEVANT EVALUATION TOOLS?**
M. Sebok, A. Erlacher, S. Seiler, C.N. Homann, *Austria*
- 11:50 **OPIOID TREATMENT IS EFFECTIVE IN PATIENTS WITH SEVERE RLS AFTER FAILURE OF PREVIOUS MEDICATIONS - RESULTS OF A 1-YEAR STUDY**
C. Trenkwalder, H. Benes, L. Grote, B. Högl, J. Winkelmann^{5,6,7}, R.P. Allen, M. Hopp, B. Bosse, R. Kohlen, *Germany, Sweden, Austria, USA*
- 12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall I

Free Papers Session 32: Movement Disorders

Chairpersons: V. Kostic, *Serbia*
K. Sethi, *USA*

- 11:00 **TRUST AND RISK BEHAVIOR IN PARKINSON'S DISEASE: EXPERIMENTAL EVIDENCE AND CLINICAL IMPLICATIONS**
A. Javor, R. Riedl, M. Kirchmayr, M. Reichenberger, G. Ransmayr, *Austria*
- 11:10 **NON-MOTOR MANIFESTATIONS IN PARKINSON'S DISEASE: 5 YEAR FOLLOW UP**
M. Petrovic, E. Stefanova, L. Ziropadja, T. Stojkovic, V. Kostic, *Serbia*
- 11:20 **FUNCTIONAL CONNECTIVITY IN EARLY PARKINSON DISEASE: A RESTING-STATE FMRI STUDY**
M. Filippi, F. Agosta, F. Caso, I. Stankovic, A. Inuggi, I. Petrovic, G. Comi, V.S. Kostic, *Italy, Serbia*
- 11:30 **CLINICAL ABNORMALITIES IN NIEMANN-PICK TYPE C-CARRIERS - A FAMILY CASE REPORT**
S. Nia, A. Baumgartner, S. Geiblinger, C. Gruber, C. Baumgartner, *Austria*
- 11:40 **TRANSCRANIAL DIRECT CURRENT STIMULATION FOR TREATMENT OF FREEZING OF GAIT IN PARKINSON'S DISEASE. A CROSS-OVER STUDY**
G. Cosentino, F. Valentino, N.G. Pozzi, F. Brighina, B. Fierro, G. Savettieri, G. Sandrini, C. Pacchetti, M. D'Amelio, *Italy*
- 11:50 **NMDA-RECEPTOR MEDIATED EXCITOTOXICITY IS INVOLVED IN THE PATHOGENESIS OF EXPERIMENTAL CEREBRAL MALARIA**
K.M. Wechselberger, B. Taferner, R. Beer, G. Broessner, R. Helbok, M. Fischer, N. Singewald, E. Schmutzhard, P. Lackner, Translational Neurocritical Care, *Austria*
- 12:00 **DIAGNOSIS OF FUNCTIONAL MOTOR DISORDER: 10 YEARS LATER**
L. Leht, Ü. Krikmann, S.-M. Lüüs, S. Haldre, *Estonia*
- 12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall J

Teaching Course /W45: Nerve & muscle ultrasound (cont.)

Chairpersons: E. Bodner, *Austria*
A. Boon, *USA*

11:00 **ULTRASOUND OF MUSCULAR DISEASE**
S. Pillen, *The Netherlands*

11:45 **ULTRASOUND ON COMPRESSION
NEUROPATHIES**
C. Martinoli, *Italy*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall K

Teaching Course 41: Dementia (AL) - translational research to bridge into clinical practice (cont.)

Chairpersons: P. Scheltens, *The Netherlands*
R. Schmidt, *Austria*

11:00 **BIOMARKERS IN AD: DEVELOPMENT FROM
BENCH TO BEDSIDE, AND BACK!**
K. Kantarci, *USA*

11:45 **SEARCHING FOR NON-AMYLOID RELATED
CAUSES IN AD: TAU**
G. Ransmayr, *Austria*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall L

Teaching Course 42: MS & Demyelinating Diseases (AL) - translational research to bridge into clinical practice (cont.)

Chairpersons: W. Carroll, *Australia*
H. Lassmann, *Austria*

11:00 **UNDERSTANDING THE JCV AND THE
DEVELOPMENT OF RISK STRATIFICATION**
R. Gold, *Germany*

11:45 **MOLECULAR PATHOLOGY: SIGNPOSTS TO NEW
THERAPIES**
H. Lassmann, *Austria*

12:30 Lunch Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

11:00-12:30

Hall M

Teaching Course 44: Motor neuron disease: ALS for the clinician (cont.)

Chairpersons: **A. Ludolph**, *Germany*
 R. Kaji, *Japan*

11:00 **ALS AND FTD - THE CLINICAL APPROACH**
 T. Bak, *UK*

11:45 **SPLITTING OR LUMPING? - THE SUBPHENOTYPES OF ALS/MND**
 V. Meiniger, *France*

12:30 Lunch Break, Poster and Exhibition Visit

11:00-12:30

Hall N

Teaching Course 8: Neuroepidemiology (cont.)

Chairpersons: **P. Heuschmann**, *Germany*
 V. Feigin, *New Zealand*

11:00 **RAISING THE PROFILE OF REGISTER STUDIES FOR EPIDEMIOLOGICAL AND HEALTH CARE PURPOSES**
 P. Heuschmann, *Germany*

11:45 **METHODOLOGICAL ISSUES OF NEUROEPIDEMIOLOGICAL STUDIES**
 C. Brayne, *UK*

12:30 Lunch Break, Poster and Exhibition Visit

12:45-14:15

Hall C

Tournament of the Minds: Semi Final

Chairpersons: **R. Shakir**, *UK*
 A. Vass, *Austria*
 E. Stoegmann, *Austria*

12:45-14:15

Hall D

Tournament of the Minds: Semi Final

Chairpersons: **D. Perkin**, *UK*
 C. Enzinger, *Austria*
 R. Stark, *Australia*

Wednesday, September 25, 2013

14:30-16:00

Hall A

Update on atypical Parkinsonism

Joint World Federation of Neurology / International Parkinson and Movement Disorder Society Session

Chairpersons: **W. Poewe, Austria**
 R. Kaji, Japan

14:30 **RECENT ADVANCES IN PSP**
 I. Litvan, USA

14:50 **A MOLECULAR DISSECTION OF ATYPICAL
PARKINSONISM: X-LINKED DYSTONIA-
PARKINSONISM**
 R. Kaji, Japan

15:10 **IMAGING FOR THE DIAGNOSIS OF ATYPICAL
PARKINSONISM**
 K. Seppi, Austria

15:30 **STRATEGIES FOR TREATMENT OF ATYPICAL
PARKINSONISM**
 K.B. Bhattacharyya, India

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall B

Neurocritical Care in Neuromuscular Diseases

Chairpersons: **R. Hughes, UK**
 N. Birouk, Morocco

14:30 **MYASTHENIC CRISIS**
 A. Chaudhuri, UK

14:50 **GUILLAIN BARRÉ SYNDROME**
 R. Hughes, UK

15:10 **TETANUS AND BOTULISM**
 T.P. Bleck, USA

15:30 **CRITICAL ILLNESS POLYNEUROPATHY AND
MYOPATHY**
 N. Latronico, Italy

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall C

Movies and neurology

Speaker: **J. Topel, USA**

Wednesday, September 25, 2013

14:30-16:00

Hall D

Regional Session: Latin America

Chairperson: M.T. Medina, *Honduras*

- 14:30 **MS IN LATIN AMERICA**
J. Correale, *Argentina*
- 14:50 **JUVENILE MYOCLONIC EPILEPSY IN BRAZIL**
E.M. Yacubian, *Brazil*
- 15:10 **VASCULAR DEMENTIA AMONG HISPANICS**
G. Roman, *USA*
- 15:30 **COMMUNITY INTERVENTIONS TO REDUCE
EPILEPSY DUE TO NEUROCYSTICERCOSIS IN
LATIN AMERICA**
M.T. Medina, *Honduras*
- 16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall E

Teaching Course 46: Vertigo and Balance Disorders

Chairpersons: B. Bloem, *The Netherlands*
M. Dieterich, *Germany*

- 14:30 **QUANTITATIVE TESTING OF VESTIBULAR
FUNCTION**
G.M. Halmagyi, *Australia*
- 15:15 **PERIPHERAL VESTIBULAR DISORDERS**
T. Brandt, *Germany*
- 16:00 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

14:30-16:00

Hall F

Free Papers Session 33: Neuro-critical care

Chairpersons: I. Rektor, *Czech Republic*
E. Schmutzhard, *Austria*

- 14:30 **A NEW PERCUTANEOUS MODEL OF SUBARACHNOID HAEMORRHAGE IN RATS**
F. Murillo-Cabezas, J. Egea-Guerrero, E. Gordillo-Escobar, M. Moreno-Valladares, M. Munoz-Sánchez, *Spain*
- 14:40 **MINOCYCLINE CANNOT PROTECT NEURONS AGAINST BILIRUBIN-INDUCED HYPEREXCITATION IN THE VENTRAL COCHLEAR NUCLEUS**
C. Li, S. Yin, *China*
- 14:50 **TEMPERATURE MODULATES THE NEURONAL RESPONSE IN THE THALAMUS AND THE CORTEX IN RATS**
C. Chen, A. Maybhate, H. Cai, X. Jia, *USA, China*
- 15:00 **CHRONIC HYDROCEPHALUS AFTER EXPERIMENTAL SUBARACHNOID HEMORRHAGE**
P. Lackner, A. Vahmjanin, Q. Hu, P.R. Krafft, W. Rolland, J.H. Zhang, *Austria, USA*
- 15:10 **INTEROBSERVER AGREEMENT AND VALIDITY OF BEDSIDE "POSITIVE SIGNS" FOR FUNCTIONAL WEAKNESS, SENSORY AND GAIT DISORDERS IN CONVERSION DISORDER**
C. Daum, F. Gheorgita, M. Spatola, V. Stojanova, F. Medlin, F. Vingerhoets, A. Berney, G.E. Maccaferri, M. Hubschmid, S. Aybek, *Switzerland*
- 15:20 **THE PHENOMENOLOGY AND EPISTEMOLOGY OF KONZO: READINGS FROM THE KAHEMBA OUTBREAK, DEMOCRATIC REPUBLIC OF CONGO. PART I: SOCIOECONOMIC ASPECTS**
D. Okitundu, M.-T. Sombo, M.M. Bumoko, J. Kambale, N. Mashukano, T. Kazadi, D. Mumba, M. Boivin, J.J. Tamfum-Muyembe, B. Mayambu, D. Tshala-Katumbay, *Congo, USA*
- 15:30 **CEREBRAL MALARIA WITH CORPUS CALLOSUM SPLENIUM LESION**
A. Eker, H.K. Suer, O. Tosun, *Cyprus*
- 16:00 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

14:30-16:00

Hall G

Free Papers Session 34: Stroke

Chairpersons: J. De Ruecke, *Belgium*
A.Etribi, *Egypt*

- 14:30 **AN EVALUATION OF NEUROENDOCRINE DYSFUNCTION FOLLOWING ACUTE ANEURYSMAL SUBARACHNOID HEMORRHAGE: A PROSPECTIVE STUDY**
A.K. Jaiswal, S.B. Yadav, R.N. Sahu, S. Behari, A.K. Mahapatra, *India*
- 14:40 **NECROSECTOMY BY MIN TECHNIQUES VERSUS CRANIECTOMY IN STROKE**
K.D.M. Resch, *Germany*
- 14:50 **CAPABILITY OF NAVIGATED REPEATED TRANSCRANIAL MAGNETIC STIMULATION IN STROKE REHABILITATION (RANDOMIZED BLIND SHAM-CONTROLLED STUDY) (CLINICALTRIALS.GOV IDENTIFIER: NCT01652677)**
A. Chervyakov, M. Piradov, L. Chernikova, M. Nazarova, V. Gnezditsky, N. Savitskaya, P. Fedin, *Russia*
- 15:00 **PERILESIONAL AND SUBCORTICAL PLASTICITY AFTER FOCAL ISCHEMIC STROKE IS ASSOCIATED WITH MOTOR RECOVERY: A TENSOR-BASED MORPHOMETRY STUDY**
E. Abela, A. Seiler, J. Missimer, A. Federspiel, C. Hess, M. Sturzenegger, R. Wiest, B. Weder^{2,6}, *Switzerland*
- 15:10 **CAVEOLIN-1 PHOSPHORYLATION PLAYS AN IMPORTANT ROLE IN INHIBITION OF OXYGEN-GLUCOSE-DEPRIVATION-INDUCED ENDOTHELIAL CELL APOPTOSIS VIA REGULATING STAT3 PATHWAY**
H. Chen, C. Chen, R. Deng, J. Shen, *Hong Kong S.A.R.*
- 15:20 **PEROXYNITRITE COULD REGULATE PROLIFERATION AND NEURONAL DIFFERENTIATION OF NEURAL STEM/PROGENITOR CELLS THROUGH ACTIVATING WNT/B-CATENIN SIGNALING PATHWAY**
J. Shen, X.-M. Chen, T.-T. Yan, *Hong Kong S.A.R.*

Wednesday, September 25, 2013

14:30-16:00

Hall G

Free Papers Session 34: Stroke (cont.)

15:30 **PREDICTORS OF EARLY POST-STROKE SEIZURES IN PATIENTS WITH SPONTANEOUS INTRACEREBRAL HEMORRHAGE**

A. Osama, Y. Ashour, M. Negm, H. Aboel-Hamd,
Egypt

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall H

Free Papers Session 37: Child Neurology

Chairpersons: **H.Awn**, *Yemen*
M.Rivera, *Chile*

14:30 **AGE, SEX AND STROKE TYPE DIFFERENCES IN STROKE PATIENTS AT MUKALLA, HADHRAMOUT, REPUBLIC OF YEMEN: ANALYSIS OF 1072 CASES**

R.M. Bamekhlah, H.S. Al Ghazali, N.S. Musaian,
Yemen

14:40 **EVALUATION OF INTELLECTUAL DEVELOPMENT IN CHILDREN WITH CONGENITAL HEART DISEASE**

M. Nurmukhamedova, Y. Madjidova, *Uzbekistan*

14:50 **DIFFUSION TENSOR IMAGING REVEALS CEREBELLAR, THALAMIC AND GLOBAL WHITE MATTER ABNORMALITIES IN A RAT MODEL OF KERNICTERUS**

D. Reisinger, J. Zhang, J. Marx, M. Porambo, M.V. Johnston, A. Fatemi, *USA*

15:00 **AN EVALUATION OF THE RISKS INVOLVED IN ISCHEMIC ENCEPHALOPATHY AMONG MONGOLIAN CHILDREN**

T. Sosorburam, B. Batbayar, *China, Mongolia*

15:10 **RISK FACTORS FOR CEREBRAL PALSY IN CHILDREN WITH HIV/AIDS IN BOTSWANA**

D. Bearden, B. Monokwane, *USA, Botswana*

15:20 **ASTROCYTES IN INFANTILE NEURONAL CEROID LIPOFUSCINOSIS (INCL)**

S. Saravanabavan, *UK*

16:00 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

14:30-16:00

Hall I

Teaching Course /W59: Botulinum toxin workshop

Chairpersons: D. Truong, *USA*
P. Schnider, *Austria*

14:30 **PHARMACOLOGY, IMMUNOLOGICAL ASPECTS,
TOXINS OF NEXT GENERATIONS**
T. Sycha, *Austria*

15:15 **THE USE OF BOTULINUM TOXIN IN DYSTONIA**
D. Truong, *USA*

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall J

Teaching Course 48: Neurotrauma (CNS and PNS)

Chairpersons: P.E. Vos, *The Netherlands*
D.W. Zochodne, *Canada*

14:30 **REGENERATIVE STEPS AND BARRIERS TO
REGROWTH**
D.W. Zochodne, *Canada*

15:15 **CHALLENGES TO NERVE REGENERATION IN
HUMANS: THE LONG TERM DENERVATED STUMP**
A. Hoke, *USA*

16:00 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

14:30-16:00

Hall K

Teaching Course 49: Danube Symposium: Neurodegenerative disorders I

Chairpersons: L. Vécsei, *Hungary*
Z. Stelmasiak, *Poland*

- 14:30 **INTRODUCTION**
F. Gerstenbrand, *Austria*
- 14:45 **COGNITION DETERIORATING AFTER STROKE- A
MAJOR DISABILITY**
M. Brainin, *Austria*
- 15:00 **FRONTOTEMPORAL DEMENTIAS**
G. Ransmayr, *Austria*
- 15:15 **THE PRIONIZATION OF NEURODEGENERATIVE
DISEASES**
A. Korczyn, *Israel*
- 15:30 **THE BLOOD-BRAIN BARRIER IN DEMENTIA**
O. Bajenaru, *Romania*
- 16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall L

Teaching Course 50: Education neurology (paradigm shift in training and assessment)

Chairpersons: J. Kuks, *The Netherlands*
M.M. Mehndiratta, *India*

- 14:30 **INTRODUCTION: TEACHING AND LEARNING IN
THE 21ST CENTURY**
J. Kuks, *The Netherlands*
- 15:05 **WHAT IS IMPORTANT IN TODAY'S
NEUROLOGICAL TRAINING?**
T. Wijeratne, *Australia*
- 15:40 **DISCUSSION**
- 16:00 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

14:30-16:00

Hall M

Teaching Course 51: Neuroethics

Chairpersons: J. Bernat, *USA*
S. Laureys, *Belgium*

14:30 **ETHICAL ISSUES IN DISORDERS OF CONSCIOUSNESS**
S. Laureys, *Belgium*

15:15 **AUTONOMY AT THE END OF LIFE: THE ROLE OF THE NEUROLOGIST**
G.-D. Borasio, *Switzerland*

16:00 Coffee Break, Poster and Exhibition Visit

14:30-16:00

Hall N

Teaching Course 47: Sleep disorders / NeuroSleep

Chairpersons: M. Grigg-Damberger, *USA*
B. Högl, *Austria*

14:30 **IMPACT OF IDENTIFYING AND TREATING OBSTRUCTIVE SLEEP APNEA IN PEOPLE WITH EPILEPSY**
M. Grigg-Damberger, *USA*

15:15 **CIRCADIAN RHYTHM DISORDERS AND CHRONOPHARMACOLOGY NEUROLOGISTS NEED TO KNOW**
C. Bassetti, *Switzerland*

16:00 Coffee Break, Poster and Exhibition Visit

Wednesday, September 25, 2013

16:30-18:00

Hall A

Recent advances in Movement Disorders

Joint World Federation of Neurology / Movement Disorders Society Session

Chairpersons: R. Uitti, *USA*
F. Cardoso, *Brazil*

16:30 **WHAT IS ESSENTIAL TREMOR?**
G. Deuschl, *Germany*

16:50 **NEW CONCEPTS OF DYSTONIA**
V. Fung, *Australia*

17:10 **DIAGNOSTIC WORK-UP OF CHOREAS**
F. Cardoso, *Brazil*

17:30 **THE SPECTRUM OF ATAXIAS**
A. Durr, *France*

16:30-18:00

Hall B

Brain Death and the Concept of Brain Death across regions and cultures

Chairpersons: E. Schmutzhard, *Austria*
S. Ogun, *Nigeria*

16:30 **EUROPE**
F. Erbguth, *Germany*

16:50 **MIDDLE EAST AND AFRICA**
M. El-Tamawy, *Egypt*

17:10 **ASIA AND AUSTRALIA**
M. Irving, *Australia*

17:30 **AMERICAS**
E. Wijdicks, *USA*

Wednesday, September 25, 2013

16:30-18:00

Hall C

Advances in neuro-imaging

A presentation of the World Federation of Neurology's Applied Research Group on Neuro-imaging

Chairpersons: J.C. Masdeu, *USA*
K. Seppi, *Austria*

- 16:30 **ADVANCES IN MULTIPLE SCLEROSIS IMAGING**
M. Filippi, *Italy*
- 16:45 **CONQUERING INFECTION WITH THE HELP OF NEUROIMAGING**
L. Amaral, *Brazil*
- 17:00 **HIGH FIELD MRI IMAGING AT 7T**
T. Nakada, *Japan*
- 17:15 **MOVEMENT DISORDERS: MRI AND PET**
D.J. Brooks, *UK*
- 17:30 **UNRAVELING THE NEUROBIOLOGY OF DEMENTIA WITH NEUROIMAGING AND GENETICS**
J.C. Masdeu, *USA*

16:30-18:00

Hall D

Regional Session: Europe

Chairpersons: R. Hughes, *UK*
C. Bassetti, *Switzerland*

- 16:30 **UPDATE ON EVIDENCE-BASED TREATMENT AND PREVENTION OF STROKE**
P. Sandercock, *UK*
- 17:00 **THE EXPECTED CHALLENGE OF STROKE DURING THE NEXT DECADE**
M. Pugliatti, *Italy*
- 17:30 **RESEARCH IS THE WAY TO IMPROVE TREATMENT FOR BRAIN DISORDERS**
P. Cupers, *Belgium*

Wednesday, September 25, 2013

16:30-18:00

Hall E

Teaching Course 46: Vertigo and Balance Disorders (cont.)

Chairpersons: **B. Bloem**, *The Netherlands*
 M. Dieterich, *Germany*

16:30 **CENTRAL VESTIBULAR DISORDERS**
 M. Dieterich, *Germany*

17:15 **CLINICAL ASSESSMENT OF FALLS**
 B. Bloem, *The Netherlands*

Wednesday, September 25, 2013

16:30-18:00

Hall F

Free Papers Session 36: Stroke

Chairpersons: J. Sellner, *Austria*
A. Siva, *Turkey*

- 16:30 **IS THERE AN EVIDENCE TO PERFORM THROMBECTOMY IN PATIENTS OVER 80 YEARS OLD?**
E. Broussalis, F. Weymayr, E. Trinkla, M. Killer, *Austria*
- 16:40 **TREAT AND TRANSFER: EFFICACY AND SAFETY OF THE TELESTROKE APPROACH IN SALZBURG, AUSTRIA**
I. Deak, J.S. Mutzenbach, T. Johansson, E. Trinkla, J. Sellner, *Austria*
- 16:50 **CEREBRAL VENOUS THROMBOSIS: AN OVERLOOKED COMPLICATION OF LUMBAR PUNCTURE**
B.I. Tiftikcioglu, D. Guner, Y. Zorlu, *Turkey*
- 17:00 **EVALUATION OF THE FLUENCY PROFILING SYSTEM (FPS) AS A MEASURE OF THE EFFICIENCY OF DYNAMIC LANGUAGE NETWORKS**
K.M. Hird, R. Oehmen, D. Little, J. Dunn, K. Kirsner, *Australia*
- 17:10 **NOT SO FAST! THE PUBLIC STRUGGLES TO RECOGNISE STROKE**
E. Caruana, S. Micallef, M.M. Boffa, G. Pace-Moore, G. Torpiano, G. Maresca, G. Apap-Bologna, J. Borg, P. Schembri-Wismayer, *Malta*
- 17:20 **VERTEBRAL ARTERY DISSECTIONS AN UNDER DIAGNOSED STROKE**
M.H. Thekkumpurath, N. Ravi, T. Thekkumpurath, A. Kumar, B. Kiran, *India*
- 17:30 **STROKE IN YOUNG MALAWIAN ADULTS IS ASSOCIATED WITH HIV INFECTION AND RECENT ANTIRETROVIRAL DRUG INITIATION: A PROSPECTIVE CASE-CONTROL STUDY**
L. Benjamin, L. Corbett, M.D. Connor, H. Mzinganjira, S. Kampondeni, A. Choko, H. Emsley, A. Bryer, B. Faragher, R.S. Heyderman, T.J. Allain, T. Solomon, *UK, Malawi, South Africa*

Wednesday, September 25, 2013

16:30-18:00

Hall G

Free Papers Session 35: Stroke

Chairpersons: L. Csiba, *Hungary*
A. Aquino, *Philippines*

- 16:30 **NEW PROGNOSTIC SCORE FOR THE PREDICTION OF 30-DAY OUTCOME IN SPONTANEOUS SUPRATENTORIAL CEREBRAL HEMORRHAGE**
L. Csiba, I. Széll, R. Szepesi, L. Láncki, E. Berényi, K. Nagy, D. Bereczki, L. Kardos, *Hungary*
- 16:40 **LATE CEREBROVASCULAR COMPLICATIONS OF RADIATION THERAPY FOR PEDIATRIC PRIMARY CENTRAL NERVOUS SYSTEM TUMORS**
J. Passos, H. Nzwalo, J. Marques, A. Azevedo, S. Nunes, D. Salgado, *Portugal*
- 16:50 **THROMBOLYSIS OR ANTICOAGULATION FOR CEREBRAL VENOUS THROMBOSIS (TO-ACT TRIAL)**
J. Coutinho, J.M. Ferro, S.M. Zuurbier, P. Canhão, I. Crassard, C.B. Majoie, J.A. Reekers, E. Houdart, R.J. de Haan, M.-G. Boussier, J. Stam, *The Netherlands*
- 17:00 **P-WAVE DISPERSION & TRANSTHORACIC ECHOCARDIOGRAPHY TO PREDICT PAROXYSMAL ATRIAL FIBRILLATION AS A CAUSE OF STROKE OR TRANSIENT ISCHEMIC ATTACK**
D. Ragab, H. Zaghla, M. Hamdy, M. Elansary, *Egypt*
- 17:10 **PROFILE IN IMPACT OF DEPRESSIVE SYMPTOMS AFTER STROKE**
Z. Adwan, *Syria*
- 17:20 **VASCULAR RISK FACTORS, ETIOLOGY AND OUTCOME COMPARISON BETWEEN CANCER AND NON-CANCER PATIENTS WITH ACUTE ISCHEMIC STROKE: NESTED CASE-CONTROL STUDY**
A.M. Carrilho, M. Brum, C. Rosado, A. Valadas, C. Semedo, R. Guerreiro, J.P. Marques, *Portugal*
- 17:30 **BEYOND DWI - EMERGING CANDIDATE MRI BIOMARKERS ASSOCIATED WITH RISK OF EARLY STROKE AFTER TIA**
L. Akijian, F. Carty, J. Thornton, R. Grech, E. Kavanagh, Á. Merwick, D. Ní Chróinín, N. Hannon, Ó. Sheehan, M. Marnane, E.L. Callaly, E.M. Fallon, G. Horgan, T. Lynch, K. O'Rourke, J. Duggan, L. Kyne, S. Murphy, E. Dolan, D. Williams, P.J. Kelly, *Ireland*

Wednesday, September 25, 2013

16:30-18:00

Hall H

Free Papers Session 38: Neurogenetics

Chairpersons: Riadh Gouider, *Tunisia*
S.Boholega, *Saudi Arabia*

- 16:30 **NEW GENE MUTATIONS IDENTIFIED IN RECESSIVE CHARCOT MARIE TOOTH TUNISIAN FAMILIES**
I. Kacem, L. Sellami, M. Ben Djebara, Y. Hizem, C. Gnaichia, A. Gargouri-Berrechid, E. Legeurn, R. Gouider, *Tunisia, France*
- 16:40 **A NOVEL CSF1R MUTATION IN HEREDITARY DIFFUSE LEUCO-ENCEPHALOPATHY WITH SPHEROIDS**
D. Van Melkebeke, R. Rademakers, M. Baker, M. Lammens, J. Maes, D. Hemelsoet, *Belgium, USA, The Netherlands*
- 16:50 **SPG4 MUTATIONS IN BRAZILIAN PATIENTS WITH HEREDITARY SPASTIC PARAPLEGIA**
M. França Jr, A. D'Abreu, D.B. Dogini, H.A.G. Teive, J.A.M. Saute, L.B. Jardim, I. Lopes-Cendes, *Brazil*
- 17:00 **C9ORF72 EXPANSION IN ATYPICAL PARKINSONISM**
L. Schottlaender, A. Sailer, J. Polke, H. Ling, R. de Silva, J. Holton, T. Revesz, A. Lees, H. Houlden, *UK*
- 17:10 **THREE NEW MUTATIONS IN CSF1R GENE IN 3 ITALIAN PATIENTS WITH HEREDITARY DIFFUSE LEUKOENCEPHALOPATHY WITH AXONAL SPHEROIDS**
I. Di Donato, S. Bianchi, I. Taglia, G.N. Gallus, C. Stabile, C. Battisti, A. Rufa, M.T. Dotti, A. Federico, *Italy*
- 17:20 **NEUROPHYSIOLOGICAL ENDOPHENOTYPE IN NON-DEMENTED CARRIERS OF APOLIPOPROTEIN E AND APOLIPOPROTEIN J/CLUSTERIN ALZHEIMER'S RISK VARIANTS**
N.V. Ponomareva, T.V. Andreeva, M. Protasova, L.I. Shagam, D.D. Malina, A.Y. Goltsov, A.A. Mitrofanov, E.I. Rogaev^{2,4}, *Russia, USA*
- 17:30 **CLINICAL ANALYSIS OF LONGSTANDING SUBACUTE MYELO-OPTICO-NEUROPATHY (SMON), A CLIOQUINOL INTPXOCATION**
M. Konagaya, S. Kuru, M. Sakai, Y. Saito, Y. Konagaya, SMON Research Committee, *Japan*

Wednesday, September 25, 2013

16:30-18:00

Hall I

Teaching Course/W59: Botulinum toxin workshop (cont.)

Chairpersons: D. Truong, *USA*
P. Schnider, *Austria*

16:30 THE USE OF BOTULINUM TOXIN IN AUTONOMIC
P. Schnider, *Austria*

17:15 THE USE OF BOTULINUM TOXIN IN HEADACHE
S.D. Silberstein, *USA*

16:30-18:00

Hall J

Teaching Course 48: Neurotrauma (CNS and PNS) (cont.)

Chairpersons: D.W. Zochodne, *Canada*
P.E. Vos, *The Netherlands*

16:30 TRAUMATIC BRAIN INJURY
P.E. Vos, *The Netherlands*

17:15 SPINAL CORD INJURIES- CLINICAL
ASSESSMENT. NEW PHARMACOLOGICAL
APPROACH IN BRAIN AND SPINAL CORD
NEUROPROTECTION AND NEURORECOVERY
TREATMENT
D. Muresanu, *Romania*

Wednesday, September 25, 2013

16:30-18:00

Hall K

**Teaching Course 49: Danube Symposium:
Neurodegenerative disorders II (cont.)**

Chairpersons: U. Bonuccelli, *Italy*
A. Korczyn, *Israel*

- 16:30 **CURRENT STATUS ON BIOMARKERS IN
ALZHEIMER'S DISEASE**
P. Riederer, *Germany*
- 16:45 **PROGRESSIVE SUPRANUCLEAR PALSY
VARIANTS**
V. Kostic, *Serbia*
- 17:00 **HIGHER LEVEL GAIT DISORDERS**
E. Ruzicka, *Czech Republic*
- 17:15 **NEUROPLASTICITY IN NEURODEGENERATION
DISEASES AND STROKE**
V. Demarin, *Croatia*
- 17:30 **NOVEL PRECLINICAL THERAPEUTIC
STRATEGIES OF NEURODEGENERATION WITH
KYNURENINES: CLINICAL PERSPECTIVES**
L. Vécsei, *Hungary*
- 17:45 **DISCUSSION**

16:30-18:00

Hall L

**Teaching Course 50: Education neurology (paradigm shift
in training and assessment) (cont.)**

Chairpersons: J. Kuks, *The Netherlands*
M.M. Mehndiratta, *India*

- 16:30 **ASSESSMENT IN A POSTGRADUATE SETTING**
W. Struhal, *Austria*
- 17:05 **CONTINUOUS MEDICAL EDUCATION / E-
LEARNING**
M.M. Mehndiratta, *India*
- 17:40 **CONCLUSIONS**
J. Kuks, *The Netherlands*

Wednesday, September 25, 2013

16:30-18:00

Hall M

Teaching Course 51: Neuroethics (cont.)

Chairpersons: J. Bernat, *USA*
F. Gerstenbrand, *Austria*

16:30 **INTERNATIONAL CONSENSUS ON BRAIN DEATH DETERMINATION**
F. Gerstenbrand, *Austria*

17:15 **INFORMED CONSENT AND REFUSAL IN NEUROLOGY**
J. Bernat, *USA*

16:30-18:00

Hall N

Teaching Course 47: Sleep disorders / NeuroSleep (cont.)

Chairpersons: B. Högl, *Austria*
M. Grigg-Damberger, *USA*

16:30 **ROLE AND VALUE OF VIDEO-POLYSOMNOGRAPHY AND QUESTIONNAIRES IN DIAGNOSING REM SLEEP BEHAVIOR DISORDER**
B. Högl, *Austria*

17:15 **MANAGING RESTLESS LEGS SYNDROME AND ITS AUGMENTATION**
C. Trenkwalder, *Germany*

Wednesday, September 25, 2013

18:15-20:15

Hall B

Satellite Symposium Sponsored by Bayer:

25 Years of Partnership: Working Towards a Better Future for Patients with MS

Chairperson: T. Berger, *Austria*

- 18:15 **25 YEARS OF PARTNERSHIP: WORKING TOWARDS A BETTER FUTURE FOR PATIENTS WITH MS**
T. Berger, *Austria*
- 19:00 **25 YEARS OF PARTNERSHIP: THE EARLY YEARS**
W. Carroll, *Australia*
- 19:10 **25 YEARS OF PARTNERSHIP: CURRENT FOCUS**
R. Berkovich, *USA*
- 19:35 **TOWARDS A BETTER FUTURE FOR PATIENTS WITH MS**
A. Thompson, *UK*
- 19:45 **25 YEARS OF PARTNERSHIP: CONTINUOUS EFFORTS TO IMPROVE MS PATIENT SUPPORT**
V. Limmroth, *Germany*
- 20:00 **DISCUSSION**

Thursday, September 26, 2013

07:00-08:00

Hall D

Teaching Course 52: How to examine a patient with sudden loss of consciousness

Speaker: S. Laureys, *Belgium*

08:00-09:00

Hall A

Plenary Lectures 9 & 10

Chairpersons: W. Grisold, *Austria*
R. Hughes, *UK*

08:00 **JAMES PARKINSON**
G. Stern, *UK*

08:30 **MASLAND LECTURE: CNS TUBERCULOSIS - A GLOBAL CHALLENGE**
S.M. Katrak, *India*

09:00-10:30

Hall A

Sleep

Chairpersons: A. Culebras, *USA*
B. Högl, *Austria*

09:00 **NARCOLEPSY - AN UPDATE**
C. Bassetti, *Switzerland*

09:20 **CASE STUDIES IN NON-REM PARASOMNIAS**
C. Schenck, *USA*

09:40 **NOCTURNAL FRONTAL LOBE EPILEPSY: DIFFERENTIAL DIAGNOSIS**
L. Parrino, *Italy*

10:00 **SLEEP, SLEEPINESS, AND REM SLEEP BEHAVIOR DISORDER IN PARKINSONIAN DEGENERATIVE DISORDERS**
C. Trenkwalder, *Germany*

10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall B

The Spectrum of Amyotrophic Lateral Sclerosis/Motor Neuron Disease

Chairpersons: G. Sobue, *Japan*
M. Neumann, *Switzerland*

09:00 **THE NEUROPATHOLOGY OF AMYOTROPHIC LATERAL SCLEROSIS AND FRONTO-TEMPORAL DEMENTIA - SPECTRUM OR DISTINCT DISEASES**
M. Neumann, *Switzerland*

09:30 **CLINICAL SPECTRUM AND GENETICS OF KII A LS-PD COMPLEX**
S. Kuzuhara, *Japan*

10:00 **COGNITION AND OTHER PROGNOSTIC FACTORS IN AMYOTROPHIC LATERAL SCLEROSIS /MOTOR NEURON DISEASE**
A. Ludolph, *Germany*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall C

Neuroethics

Chairpersons: J. Bernat, *USA*
J. Chopra, *India*

09:00 **ETHICAL ISSUES IN NEUROSCIENCE RESEARCH**
E. Racine, *Canada*

09:20 **PHILOSOPHICAL ISSUES IN CONSCIOUSNESS**
A. Zeman, *UK*

09:40 **BRAIN DEATH: ETHICAL ISSUES**
J. Bernat, *USA*

10:00 **END-OF-LIFE ISSUES IN NEUROLOGY**
G.-D. Borasio, *Switzerland*

10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall D

Advanced Neurophysiology

Chairpersons: P.M. Rossini, *Italy*
S. Teipel, *Germany*

- 09:00 **ELECTROENCEPHALOGRAPHY AND BRAIN CONNECTIVITY**
C. Babiloni, *Italy*
- 09:30 **MAGNETIC RESONANCE IMAGING AND BRAIN CONNECTIVITY**
S. Teipel, *Germany*
- 10:00 **TRANSCRANIAL MAGNETIC STIMULATION AND BRAIN CONNECTIVITY**
P.M. Rossini, *Italy*
- 10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall F

Free Papers Session 39: Sleep

Chairpersons: C. Trenkwalder, *Germany*
J.Y. Fonsah, *Cameroon*

- 09:00 **POLYSOMNOGRAPHIC SLEEP PARAMETERS IN AN AGING POPULATION**
W. Moraes, R. Piovazzan, L. Bittencourt, D. Poyares, S. Tufik, *Brazil*
- 09:10 **WORLDWIDE RECORD OF REM SLEEP TIME IN A PATIENT WITH PEDONCULOPONTINE NUCLEUS AREA (PPNA) STIMULATION**
D. Neutel, D. Grabli, C. Karachi, M.-L. Welter, E. Claire, B. Eric, F. Chantal, I. Arnulf, *France*
- 09:20 **INJURIES TO PATIENTS AND THEIR BEDPARTNERS ARE FREQUENT IN REM SLEEP BEHAVIOR DISORDER**
E.K. St. Louis, *USA*
- 09:30 **CORTICAL AFFERENT INHIBITION IS REDUCED IN PATIENTS WITH IDIOPATHIC REM SLEEP BEHAVIOR DISORDER AND COGNITIVE IMPAIRMENT: A TMS STUDY**
A.B. Kunz, S.M. Golaszewski, J. Bergmann, F. Brigo, M. Seidl, M. Christova, F. Tezzon, E. Trinka, R. Nardone, *Austria, Italy*
- 09:40 **ACTIGRAPHY IN THE ASSESSMENT OF SLEEP PATTERNS IN HIV-AIDS IN CAMEROON (SUB-SAHARAN AFRICA)**
A.K. Njamnshi, L.N. Nfor, L. Ngarka, P.F.E. Seke, E.N. Mbong, E.T. Chokote, A.A. Njoh, J.Y. Fonsah, W.F.T. Muna, *Cameroon, Saudi Arabia*
- 09:50 **OBSTRUCTIVE SLEEP APNEA IN SICKLE-CELL DISEASE PATIENTS IN CAMEROON**
J.Y. Fonsah, E.T. Chokote, E.N. Mbong, L.N. Nfor, L. Ngarka, A.A. Njoh, N. Koki, A.K. Njamnshi, W.F.T. Muna, *Cameroon*
- 10:00 **LEWY NEURITE-LIKE STRUCTURES ARE RARELY ASSOCIATED WITH LEWY BODY PATHOLOGY AT THE BRAINSTEM OF MULTIPLE SYSTEM ATROPHY (MSA)**
M. Mimuro, S. Tatsumi, Y. Iwasaki, M. Yoshida, *Japan*
- 10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall G

Free Papers Session 40: Miscellaneous

Chairpersons: S. Sergay, *USA*
S. Nafisi, *Iran*

- 09:00 **A LONG-TERM EVALUATION OF LATENCY OF PEDIATRIC BRAIN TUMORS DIAGNOSIS IN PROVINCE OF DELTA-EGYPT**
H.I. Maaty, *Egypt*
- 09:10 **SAFETY OF BEVACIZUMAB WITH OR WITHOUT ANTICOAGULANT TREATMENT IN NEURO-ONCOLOGICAL PATIENTS: A SYSTEMATIC REVIEW**
G. Simonetti, E. Trevisan, P. Gaviani, E. Lamperti, A. Salmaggi, A. Silvani, *Italy*
- 09:20 **EFFICACY AND BIOMARKER FINDINGS FROM AVAGLIO, A PHASE III TRIAL OF BEVACIZUMAB PLUS TEMOZOLOMIDE AND RADIOTHERAPY IN NEWLY DIAGNOSED GLIOBLASTOMA**
W. Wick, T. Cloughesy, W. Mason, R. Henriksson^{4,5}, F. Saran, R. Nishikawa, M. Hilton, J. Garcia, C. Pallaud, O. Chinot, *Germany, USA, Canada, Sweden, UK, Japan, Switzerland, France*
- 09:30 **PARANEOPLASTIC MOTOR NEURON DISEASE**
I. Kacem, C. Gnaichia, Y. Hizem, L. Sellami, M. Ben Djebara, A. Gargouri-Berrechid, R. Gouider, *Tunisia*
- 09:40 **THE RELATIONSHIP BETWEEN OPTICAL COHERENCE TOMOGRAPHIC AND PERIMETRIC FINDINGS IN PATIENTS WITH PAPPILLEDEMA**
M. Morrow, *USA*
- 09:50 **TREATMENT FOR PARANEOPLASTIC NEUROPATHIES**
B. Giometto, R. Vitaliani, W. Grisold, *Italy, Austria*
- 10:00 **A NEW CLINICAL MANEUVER FOR DETECTION OF CEREBELLAR LESIONS IN HUMANS BASED ON COGNITIVE FUNCTIONS OF THE CEREBELLUM**
E. de Font-Réaulx, A.R. Díaz-Victoria, R. Ramos Cuevas, C. Cantú Brito, *Mexico*
- 10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall H

Free Papers Session 41: CNS Infections

Chairpersons: **S. Ogun, *Nigeria***
 M. Benabdeljilil, *Morocco*

- 09:00 **HHV-6 AND VZV DUAL INFECTION**
 J. Pietiläinen-Nicklén, T. Blom, L. Uotila, M. Färkkilä,
 M. Koskiniemi, *Finland*
- 09:10 **CENTRAL NERVOUS SYSTEM MANIFESTATIONS**
 OF LASSA FEVER IN NIGERIA AND THE EFFECT
 ON MORTALITY
 P.O. Okokhere, I.A. Bankole, G.O. Akpede, *Nigeria*
- 09:20 **LONG TERM COGNITIVE DEFICITS AFTER**
 TREATED LYME NEUROBORRELIOSIS-
 NEUROPSYCHOLOGICAL PROFILE AND
 DEMOGRAPHICAL CHARACTERISTICS
 R. Eikeland, G.C. Lohaugen, *Norway*
- 09:30 **CURCUMIN NANOPARTICULATE BASED**
 NEUROPROTECTIVE APPROACH FOR
 MANAGEMENT OF CEREBRAL MALARIA
 K. Jain, S. Sood, K. Gowthamarajan, *India*
- 09:40 **PLASMODIUM FALCIPARUM HISTIDINE-RICH**
 PROTEIN-2 (PHRP-2) IS A CEREBROSPINAL
 FLUID (CSF) BIOMARKER FOR CEREBRAL
 MALARIA (CM)
 K.T. Thakur, K. Mikita, K. Piera, C. Pardo-Villamizar,
 J.B. Weinberg, N.M. Anstey, J. Mukemba, S. Florence,
 E.D. Mwaikambo, D.L. Granger, D. Sullivan, *USA,*
 Australia, Tanzania
- 09:50 **NEUROLOGICAL MANIFESTATIONS OF**
 VISCERAL LEISHMANIASIS
 O. Hamid, A. Hussein, A. Sidig, F. Yassein, M. Malk
 Aldar, K. Hagnour, M.A.O. Taha, *Sudan*
- 10:00 **EVOLUTION OF REGIONALLY ACCENTUATED**
 REVERSIBLE BRAIN GREY MATTER REDUCTION
 IN ULTRA MARATHON RUNNERS DETECTED BY
 VOXEL BASED MORPHOMETRY
 W. Freund, S. Faust, F. Birklein, C. Billich, A.P.
 Wunderlich, U.H. Schuetz, *Germany*
- 10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall I

Teaching Course 54: Novel treatments in Neurology

Chairpersons: M.M. Mehndiratta, *India*
C. Diener, *Germany*

09:00 RECENT TREATMENT STRATEGIES IN STROKE
C. Diener, *Germany*

09:45 NEWER THERAPEUTIC ADVANCES IN EPILEPSY
M.M. Mehndiratta, *India*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall J

Teaching Course 53: Epilepsy, translational research to clinical practice

Chairpersons: J. Engel Jr., *USA*
A. Gil-Nagel, *Spain*

09:00 BIOMARKERS IN EPILEPSY, WHY DO WE NEED THEM, WHAT WILL THEY TELL US, AND WHERE WILL THEY COME FROM?
J. Engel Jr., *USA*

09:45 IDENTIFICATION OF THE EPILEPTOGENIC ZONE: NEW TECHNIQUES, INCREASED ACCURACY?
A. Gil-Nagel, *Spain*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall K

Teaching Course 60: Spinal cord, radiculopathy and peripheral nerve

Chairpersons: G.D. Perkin, *UK*
R. Stark, *Australia*

09:00 SPINAL SYNDROMES WITH WEAKNESS
R. Stark, *Australia*

09:45 RADICULOPATHIES
G.D. Perkin, *UK*

10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

09:00-10:30

Hall L

**Teaching Course 55: Entrapment neuropathy:
Compression and Entrapment Neuropathies**

Chairpersons: C. Bischoff, *Germany*
J. Stewart, *Canada*

09:00 **CLINICAL APPROACH TO COMPRESSION AND
ENTRAPMENT NEUROPATHY SYNDROMES**
J. Stewart, *Canada*

09:30 **ELECTROPHYSIOLOGICAL APPROACHES TO
COMPRESSION AND ENTRAPMENT
NEUROPATHIES**
C. Bischoff, *Germany*

10:00 **WHAT'S NEW AND IMPORTANT IN CARPAL
TUNNEL SYNDROME, ULNAR NEUROPATHIES AT
THE ELBOW, AND PERONEAL NEUROPATHIES?**
C. Bischoff, *Germany*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall M

**Teaching Course 56: Evoked potentials + magnetic
stimulation**

Chairpersons: K. Mills, *UK*
H. Buchner, *Germany*

09:00 **STANDARDS AND CLINICAL APPLICATIONS OF
VISUAL, AUDITORY AND SOMATOSENSORY
EVOKED POTENTIALS**
H. Buchner, *Germany*

09:45 **EVOKED POTENTIALS FOR DIAGNOSIS AND AS A
MARKER FOR THE EVOLUTION OF MS**
W. Paulus, *Germany*

Thursday, September 26, 2013

09:00-10:30

Hall N

Teaching Course 57: Specialized Nurses and patient organizations

Chairpersons: **A. Craven, *Ireland***
 H. Zwinkels, *The Netherlands*

09:00 **NURSE EDUCATIONAL PERSPECTIVE:
INTERNATIONAL OVERVIEW OF EDUCATION FOR
SPECIALIST NURSES IN NEUROLOGICAL
DISORDERS**

P. van Keeken, *The Netherlands*

09:45 **PERSONAL/PROFESSIONAL PERSPECTIVE:
DEVELOPING THE ROLE OF THE ADVANCED
NURSE PRACTITIONER**

H. Zwinkels, *The Netherlands*

10:30 Coffee Break, Poster and Exhibition Visit

09:00-10:30

Hall O

Teaching Course 58: How to manage the information explosion

Chairpersons: **R. Hughes, *UK***
 R. Lisak, *USA*

09:00 **WHAT TO LOOK FOR IN CLINICAL TRIAL
REPORTS**

L. Kappos, *Switzerland*

09:45 **WHAT TO READ**

R. Lisak, *USA*

10:30 Coffee Break, Poster and Exhibition Visit

Thursday, September 26, 2013

11:00-12:30

Hall A

Sleep

Chairpersons: M. Grigg-Damberger, *USA*
C. Bassetti, *Switzerland*

11:00 **SUDDEN DEATH IN SLEEP SYNDROMES
NEUROLOGISTS NEED TO KNOW**
M. Grigg-Damberger, *USA*

11:20 **VASCULAR COMPLICATIONS OF SLEEP APNEA**
A. Culebras, *USA*

11:40 **RESTLESS LEGS SYNDROME**
B. Högl, *Austria*

12:00 **NEUROGENIC HYPERSOMNIAS**
Y. Inoue, *Japan*

11:00-12:30

Hall B

Neurobiology of Amyotrophic Lateral Sclerosis/Motor Neuron Disease and their clinical implications

Chairpersons: A. Ludolph, *Germany*
M. Gourie-Devi, *India*

11:00 **PHENOTYPIC HETEROGENEITY OF ALS**
W. Robberecht, *Belgium*

11:30 **MOTOR NEURON DISEASE IN YOUNG IN INDIA**
M. Gourie-Devi, *India*

12:00 **WHAT CAN WE LEARN FROM KENNEDY'S
DISEASE FOR AMYOTROPHIC LATERAL
SCLEROSIS /MOTOR NEURON DISEASE**
G. Sobue, *Japan*

Thursday, September 26, 2013

11:00-12:30

Hall C

Free Papers Session: Late-Breaking Abstracts

Chairpersons: R. Verdugo, *Chile*
N.E. Gilhus, *Norway*

- 11:00 **AUTOANTIBODIES TO NEURONAL ANTIGENS IN CHILDREN WITH NEW ONSET SEIZURES CLASSIFIED ACCORDING TO THE REVISED ILAE CLASSIFICATION**
J. Suleiman, S. Wright, D. Gill, A. Vincent, B. Lang, R. Dale, *Australia, United Arab Emirates, UK*
- 11:10 **SPONTANEOUS INTRACEREBRAL HAEMORRHAGES IN THE POSTERIOR FOSSA: CHARACTERISTICS, PROGNOSTIC FACTORS AND OUTCOME**
C. Rossi, H. El Jarkass, H. Hénon, C. Cordonnier, N. Dequatre-Ponchelle, *France*
- 11:20 **CAN VISION INFLUENCE TRIGEMINAL NOCICEPTION: A STUDY OF THE EFFECT OF VISUAL CORTEX ACTIVATION ON THE NOCICEPTIVE BLINK REFLEX**
S.L. Sava, V. de Pasqua, D. Magis, J. Schoenen, *Belgium*
- 11:30 **TRANSIENT NEUROLOGICAL DEFICIT AS A RARE PRESENTATION OF SPONTANEOUS ICH**
C. Rossi, D. Strbian, T. Tatlisumak, C. Cordonnier, *France, Finland*
- 11:40 **CASE REPORT - VIRAL ENCEPHALITIS COMPLICATED BY CEREBRAL VENOUS SINUS THROMBOSIS**
A.E. Ahmed, A.M. Musa, *Sudan*
- 11:50 **SOCIAL AND MEDICAL DILEMMA OF TREATING L-DOPA INDUCED DYSKINESIA IN PATIENTS SUFFERING FROM THE PINK1 JUVENILE ONSET PARKINSON DISEASE**
S.M. El-Sadig, A.E. Ahmed, M.A. Salih, *Sudan, Saudi Arabia*
- 12:00 **PSYCHIATRIC COMORBIDITY AND SOCIAL ASPECTS IN MEN WITH EPILEPSY - THE NORWEGIAN MOTHER AND CHILD COHORT STUDY.**
S.F. Reiter, G. Veiby, M.H. Bjørk, A.K. Daltveit, B.A. Engelsen, N.E. Gilhus, *Epilepsy, Norway*

Thursday, September 26, 2013

11:00-12:30

Hall D

YouTube neurology

Chairpersons: T. Lang, *Canada*
J. Biller, *USA*

11:00 **MOVEMENT DISORDERS**

T. Lang, *Canada*

11:20 **STROKE AND GENERAL NEUROLOGY**

J. Biller, *USA*

11:40 **PEDIATRIC NEUROLOGY**

M. Patterson, *USA*

12:00 **WIGGLY EYES: SPOT THAT OSCILLATION**

R.J. Leigh, *USA*

Thursday, September 26, 2013

11:00-12:30

Hall F

Free Papers Session 42: Vertigo

Chairpersons: S.-K. Jeong, *Republic of Korea*
M. Freedman, *Canada*

- 11:00 **AIR- AND BONE-CONDUCTED CERVICAL AND OCULAR VESTIBULAR-EVOKED MYOGENIC POTENTIALS IN PATIENTS WITH SUPERIOR VESTIBULAR NEURITIS**
S.-Y. Oh, J.S. Kim, B.-S. Shin, T.-H. Yang, S.-K. Jeong, *Republic of Korea*
- 11:10 **ELECTRICAL VESTIBULAR STIMULATION AFTER VESTIBULAR DEAFFERENTATION AND IN VESTIBULAR SCHWANNOMA**
S.T. Aw, G.E. Aw, M.J. Todd, G.M. Halmagyi, *Australia*
- 11:20 **HEAD-SHAKING AIDS IN DIAGNOSIS OF ACUTE AUDIOVESTIBULAR LOSS DUE TO ANTERIOR INFERIOR CEREBELLAR ARTERY INFARCTION**
Y.E. Huh, J.-W. Koo, H. Lee, J.-S. Kim, *Republic of Korea*
- 11:30 **CLINICO-PATHOLOGICAL CORRELATES IN CEREBELLAR ATAXIA WITH NEURONOPATHY AND VESTIBULAR AREFLEXIA SYNDROME (CANVAS)**
D.J. Szmulewicz, L. Roberts, C.A. McLean, H.G. MacDougall, A.M. Chancellor, S. Mossman, D. Lamont, E. Storey, G.M. Halmagyi, *Australia, Nicaragua, New Zealand*
- 11:40 **ICTAL CHARACTERISTICS OF COMMON VESTIBULAR DISORDERS**
M.S. Welgampola, C. Lechner, H. Mac Dougall, C. Todd, M. Halmagyi, *Australia*
- 11:50 **FREQUENCY AND CLINICAL PRESENTATION OF DIZZINESS IN NEUROLOGICAL EMERGENCY DEPARTMENT**
S. Naseem, A. Mike, *Hungary*
- 12:00 **MODELLING OF MISMATCH NEGATIVITY INDICATES AGE RELATED IMPAIRMENT OF CORTICAL DYNAMICS IN FRONTAL REGIONS**
G.K. Cooray, M.I. Garrido, L. Hyllienmark, T. Brismar, *Sweden, Australia*

Thursday, September 26, 2013

11:00-12:30

Hall G

Free Papers Session 43: Miscellaneous

Chairpersons: **D. Truong, USA**
 M. Ozturk, Turkey

- 11:00 **THALAMIC LESIONS PROFILE BY MRI AS PREDICTORS FOR OUTCOME IN CASES OF ACUTE DISSEMINATED ENCEPHALOMYELITIS**
I. Shoukry, M. Yousry, H.A. Ghaffar, H. Moharam,
Egypt
- 11:10 **CONTRIBUTION OF MAJOR AMYOTROPHIC LATERAL SCLEROSIS RELATED GENES TO THE ETIOLOGY OF THE DISEASE IN CHINESE**
Z.-Y. Zou, X.-G. Li, M.-S. Liu, L.-Y. Cui, *China*
- 11:20 **INCIDENCE AND MECHANISMS OF TRAUMATIC BRAIN INJURY AND THE RELATIONSHIP WITH PSYCHOLOGICAL HEALTH AMONG ONTARIO ADOLESCENTS**
G. Ilie, M. Cusimano, A. Boak, R. Mann, E. Adlaf, M. Asbridge, J. Rehm^{4,5}, *Canada*
- 11:30 **VALSALVA MANEUVER SHOWS PROLONGED SYMPATHETIC OUTFLOW IN PATIENTS WITH A HISTORY OF MILD TRAUMATIC BRAIN INJURY**
M.J. Hilz, J. Koehn, F. Ammon, J. Marcus, S. Flanagan, P. De Fina, R. Baltadzhieva, S. Schwab, **S. Moeller**, *Germany, USA*
- 11:40 **NEURO-BEHCKET'S DISEASE:REPORT OF 51 PATIENTS**
A. Bourazz, E.J. Abdelhafid, J. Oumerzouk, Y. Hsaini,
Morocco

Thursday, September 26, 2013

11:00-12:30

Hall H

Free Papers Session 44: Miscellaneous

Chairpersons: Franz Fazekas, *Austria*
A.I. Fumagalli, *Argentina*

- 11:00 **CHANGES IN DEMENTIA DIAGNOSTIC CATEGORY AND DIAGNOSTIC CONFIDENCE AFTER DATSCAN™ IMAGING IN SUBJECTS WITH POSSIBLE DEMENTIA WITH LEWY BODIES**
A. Padovani, F. Inglis, M. Rainer, A. Lladó, R. Ehret, R. Ceravolo, E. Moreno, G. Amer Ferrer, Z. Walker^{9,10}, DaTSCAN DLB Study Group, *Italy, UK, Austria, Spain, Germany*
- 11:10 **GENOME-WIDE ANALYSIS REVEALS GENES ASSOCIATED WITH STRUCTURAL CHANGES IN THE HUMAN BRAIN**
S. Soheili-Nezhad, H. Ganjgahi, J. Mahmood, M. Zarei, The Alzheimers Disease Neuroimaging Initiative Group, *Iran, UK*
- 11:20 **EFFECTS OF AGING ON SUPRASPINAL MOTOR CONTROL OF ANKLE MOVEMENTS**
P. Linortner, M. Jehna, H. Johansen-Berg, P.M. Matthews, R. Schmidt, F. Fazekas, C. Enzinger, *Austria, UK*
- 11:30 **THE “DORMANT POTENTIAL” OF THE NON-DOMINANT HEMISPHERE: INTERHEMISPHERIC ASYMMETRY OF CORTICAL PLASTICITY**
A. Scalise, V. Russo, A. Fontana, I. Pittaro-Cadore, S. Simeoni, G.L. Gigli, *Italy*
- 11:40 **AVICENNA’S DESCRIPTION OF WILLIS CIRCLE**
A. Zargarán, A. Karimi, S.A. Ahmadi, A. Borhani-Haghighi, *Iran*
- 11:50 **NEURO EXPRESSIONISM: CONTRIBUTIONS AT THE BEGINNING OF THE 20TH CENTURY**
A.I. Fumagalli, *Argentina*
- 12:00 **WALTER DEWITT SHELDEN: THE FATHER OF NEUROLOGY AT THE MAYO CLINIC**
C.J. Boes, W. Shelden, L. von Frankl-Hochwart, E. von Neusser, *USA*

Thursday, September 26, 2013

11:00-12:30

Hall I

Teaching Course 54: Novel treatments in Neurology (cont.)

Chairpersons: M.M. Mehndiratta, *India*
C. Diener, *Germany*

11:00 **NEWER DEVELOPMENTS IN MANAGEMENT OF MULTIPLE SCLEROSIS AND OTHER NEUROINFLAMMATORY**
T. Berger, *Austria*

11:45 **WHAT IS NEW ON THE TREATMENT FRONT OF VERTIGO AND DIZZINESS?**
M. Strupp, *Germany*

11:00-12:30

Hall J

Teaching Course 53: Epilepsy, translational research to clinical practice (cont.)

Chairpersons: J. Engel Jr., *USA*
A. Gil-Nagel, *Spain*

11:00 **MECHANISMS OF ACTION OF ANTIEPILEPTIC DRUGS - SHOULD WE TAKE THEM INTO CONSIDERATION TO OPTIMIZE OUTCOME IN ROUTINE CLINICAL PRACTICE?**
E. Perucca, *Italy*

11:45 **GENETIC TESTING IN CLINICAL EPILEPSY PRACTICE**
J. Serratosa, *Spain*

Thursday, September 26, 2013

11:00-12:30

Hall K

Teaching Course 60: Spinal cord, radiculopathy and peripheral nerve (cont.)

Chairpersons: R. Stark, *Australia*
G.D. Perkin, *UK*

11:00 **VARIANTS OF MND: FLAIL ARM AND LEG**
W. Loescher, *Austria*

11:45 **MANAGEMENT OF PERIPHERAL NEUROPATHIES
IN AFRICA**
T. Sonan, *Ivory Coast*

11:00-12:30

Hall L

**Teaching Course 55: Entrapment neuropathy:
Compression and Entrapment Neuropathies (cont.)**

Chairpersons: C. Bischoff, *Germany*
J. Stewart, *Canada*

11:00 **CONTROVERSIAL COMPRESSION AND
ENTRAPMENT NEUROPATHIES**
J. Stewart, *Canada*

11:30 **IMAGING TECHNIQUES IN THE DIAGNOSIS OF
COMPRESSION AND ENTRAPMENT
NEUROPATHIES**
L. Padua, *Italy*

11:00-12:30

Hall M

**Teaching Course 56: Evoked potentials + magnetic
stimulation (cont.)**

Chairpersons: K. Mills, *UK*
H. Buchner, *Germany*

11:00 **CLINICAL APPLICATIONS OF TRANSCRANIAL
MAGNETIC STIMULATION**
K. Mills, *UK*

11:45 **MODULATION OF CORTICAL EXCITABILITY BY
RTMS: CLINICAL APPLICATIONS**
M. Hallett, *USA*

Thursday, September 26, 2013

11:00-12:30

Hall N

Teaching Course 57: Specialized Nurses and patient organizations (cont.)

Chairpersons: **A. Craven, *Ireland***
 H. Zwinkels, *The Netherlands*

11:00 **NEUROLOGIST PERSPECTIVE: BENEFITS OF THE SPECIALIST NURSE TO THE MULTI-DISCIPLINARY NEUROLOGY TEAM CASE-STUDY: ROLE OF SPECIALIST NURSE AT GLOSTRUP HEADACHE CENTRE, COPENHAGEN**
 R.H. Jensen, *Denmark*

11:45 **PATIENT PERSPECTIVE: THE RELATIONSHIP BETWEEN SPECIALIST NURSES AND PATIENT ORGANISATIONS**
 A. Craven, *Ireland*

11:00-12:30

Hall O

Teaching Course 58: How to manage the information explosion (cont.)

Chairpersons: **R. Hughes, *UK***
 R. Lisak, *USA*

11:00 **COCHRANE SYSTEMATIC REVIEWS: THE BEST EVIDENCE**
 R. Hughes, *UK*

11:45 **GUIDELINES: HARNESSING THE EVIDENCE**
 M. Leone, *Italy*

12:45-14:00

Hall A

Tournament of the Minds: Final

Chairpersons: **R. Shakir, *UK***
 A. Vass, *Austria*
 E. Stoegmann, *Austria*
 C. Enzinger, *Austria*
 R. Stark, *Australia*
 D. Perkin, *UK*

Thursday, September 26, 2013

14:00-14:30

Hall A

Closing Ceremony

Chairpersons: **E. Auff**, *Austria*
 V. Hachinski, *Canada*

ANNOUNCEMENT OF WCN 2015, SANTIAGO, CHILE

R. Verdugo, *Chile*
WCN 2015 President

FAREWELL ADDRESSES

V. Hachinski, *WFN President*
R. Hughes, *EFNS President*
E. Auff, *WCN 2013 President*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy

Poster No

- 1 **NITROFURANTOIN-INDUCED LIFE-THREATENING SEIZURES**
M. Stuhec, V. Svab, *Slovenia*
- 2 **IMPROVEMENT OF QUALITY OF LIFE IN RESISTANT EPILEPSY BY COMBINED THERAPY WITH REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION**
V. Kistsen, V. Evstigneev, B. Dubovik, V. Ulashchik, *Belarus*
- 3 **VAGUS NERVE STIMULATION IN 5 PATIENTS WITH DRUG-RESISTANT EPILEPSY IN WESTERN CHINA**
Y. Shen, Y. Deng, W. Lin, G. Zhao, J. Wang, F. Xia, Z. Zhang, M. Shi, G. Feng, X. Ren, B. Ding, Y. Zhao, Y. Chen, H. Jia, *China*
- 4 **SEIZURE FREEDOM OF EPILEPSIA PARTIALIS CONTINUA(EPC) WITH VAGUS NERVE STIMULATION (VNS) THERAPY: A CASE REPORT**
Y. Shen, Y. Deng, W. Lin, G. Zhao, J. Wang, F. Xia, Z. Zhang, G. Feng, M. Shi, L. Liu, X. Ren, B. Ding, Y. Zhao, Y. Chen, H. Jia, *China*
- 5 **NEUROMETABOLIC EFFECT OF REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION IN EPILEPTIC BRAIN: A SHAM-CONTROLLED PROTON MAGNETIC RESONANCE SPECTROSCOPY STUDY**
V. Kistsen, V. Evstigneev, I. Bulaev, R. Sakovich, B. Dubovik, *Belarus*
- 6 **PECULIARITIES OF STRUCTURAL WHITE MATTER ABNORMALITIES ON CLINICAL REALIZATION OF EPILEPSY**
V. Kistsen, V. Evstigneev, I. Bulaev, R. Sakovich, *Belarus*
- 7 **INVESTIGATION OF PATIENTS WITH TEMPORAL LOBE EPILEPSY BY MEANS OF QUANTITATIVE ELECTROENCEPHALOGRAPHY AND MAGNETIC RESONANCE SPECTROSCOPY**
M. Çam, E. Degirmenci, Y. Kiroğlu, A. Oğuzhanoğlu, *Turkey*
- 8 **THE EFFECT OF ANTIEPILEPTIC DRUGS ON IQ IN CHILDREN WITH EPILEPSY**
I. Khusainova, T. Khusainov, *Uzbekistan*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy (cont.)

Poster No

- 9 **OUTCOMES OF USING PREDNISOLONE AND ACTH IN INFANTS WITH WEST SYNDROME**
I. Khusainova, T. Khusainov, G. Sadikova,
Uzbekistan
- 10 **CROSS-REACTIVITY OF ANTI-EPILEPTIC DRUGS AND ITS ASSOCIATION WITH THE HLA-B*1502 ALLELE IN HAN CHINESE PATIENTS**
W. Wang, F.Y. Hu, X.T. Wu, D.M. An, B. Yan, D. Zhou, *China*
- 11 **REVIEW ARTICLE: EPILEPSY IN ETHIOPIA**
D. Worku, *Ethiopia*
- 12 **ELECTRO-CLINICAL PROFILE AND IDENTIFICATION OF PREDICTORS OF SEIZURE CONTROL IN ADULTS WITH COMPLEX PARTIAL SEIZURES IN KANO, NORTHWESTERN NIGERIA**
L.F. Owolabi, S. Sale, S.D. Owolabi, *Nigeria*
- 13 **AN ASSESSMENT OF CLINICAL PRACTICE TOWARD PHARMACOLOGICAL TREATMENT OF EPILEPSY: A SURVEY OF ADULT NEUROLOGISTS IN R. MACEDONIA**
I. Kuzmanovski, E. Cvetkovska, B. Boskoski, *FYROM - The Former Yugoslav Republic of Macedonia*
- 14 **PECULIARITIES OF THE EPILEPSY IMMUNOPATHOGENESIS**
R. Azizova, Y.N. Madjidova, R.B. Azizova, G.S. Rakhimbaeva, *Uzbekistan*
- 15 **LESIONECTOMY OF THE CONTRALATERAL EPILEPTOGENIC FOCUS MAY HELP EPILEPSY CONTROL**
F. Al Ghamdi, *Saudi Arabia*
- 16 **ANTHROPOLOGICAL AND EPIDEMIOLOGICAL STUDY OF EPILEPSY IN THE REGION OF TANGIER (MOROCCO)**
Y. Bahbiti, B. Benazzouz, F. Moutaouakil, A. Ouichou, A. El Hessni, A. Mesfioui, *Morocco*
- 17 **ROLE OF POSTOPERATIVE ANTIEPILEPTIC DRUG WITHDRAWAL IN CHILDREN: LONG-TERM SEIZURE OUTCOME**
H.I. Maaty, *Egypt*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy (cont.)

Poster No

- 18 **SYMPTOMATIC EPILEPSY AS A RESULT OF STROKE**
S.T. Ristic, D.T. Ristic, I. Marinkovic, *Serbia*
- 19 **KETOGENIC DIET IN CDKL5-RELATED EPILEPSY**
E.C. Wirrell, D. Kenney, S. Eckert, L. Wong-Kisiel, K. Nickels, *USA*
- 20 **PRENATAL LESIONING CORTICAL DYSPLASIA RAT MODEL WITH SPONTANEOUS TEMPORAL LOBE SEIZURES**
K.-I. Takase, T. Kamada, M. Shimmura, T. Uehara, H. Shigeto, S.O. Suzuki, H. Murai, J.-I. Kira, *Japan*
- 21 **EVALUATION OF HORMONES IN GIRLS WITH EPILEPSY IN DEPENDENCE OF RECEIVING TREATMENT**
V.V. Guzeva, V.I. Guzeva, *Russia*
- 22 **DRIVING AND EPILEPSY; PERSPECTIVES OF PATIENTS WITH EPILEPSY IN SOUTH WESTERN NIGERIA**
T.A. Sunmonu, M.A. Komolafe, O.T. Afolabi, O.A. Ogunrin, *Nigeria*
- 23 **WADA MEMORY DOMINANCE IN TEMPORAL LOBE EPILEPSY**
L. Hanoglu, N. Helvaci Yilmaz, C. Ozkara, M. Uzan, B. Polat, S. Demirci, *Turkey*
- 24 **TREATMENT OUTCOME OF STATUS EPILEPTICUS IN THAMMASAT UNIVERSITY HOSPITAL, THAILAND**
K. Kulkantrakorn, W. Moonman, *Thailand*
- 25 **CLASSIFICATION OF FOCAL EPILEPTIC SEIZURE TRANSFORMATIONS IN ADULTS**
A. Dubenko, E. Dubenko, O. Vasilyeva, D. Kovalenko, *Ukraine*
- 26 **EARLY ONSET OF CORTICAL THINNING IN CHILDREN WITH ROLANDIC EPILEPSY**
G. Overvliet, R. Besseling, J. Jansen, S. van der Kruijs, J. Vles, P. Hofman, S. Ebus, A. Aldenkamp, W. Backes, *The Netherlands*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy (cont.)

Poster No

- 27 **QUALITY OF LIFE IN PSYCHOGENIC NONEPILEPTIC SEIZURES**
A.Z. Ilic, *Serbia*
- 28 **PHYSICAL DISABILITIES OF EPILEPSY IN POOR RESOURCE COUNTRIES**
A.E. Bukusi, R.N. Mbugua, *Kenya*
- 29 **STATUS EPILEPTICUS IN THROMBOTIC THROMBOCYTOPENIC PURPURA: A CASE REPORT**
Y. Handouk, A.M. Mauro, M.G. Passarin, *Italy*
- 30 **ROLE OF POLYMORPHISM (RS2986017) AND (RS11191692) IN THE CALCIUM HOMEOSTASIS MODULATOR 1(CALHM1) GENE IN TEMPORAL LOBE EPILEPSY**
M. Nada, N. Sewelam, H. Helmy, *Egypt*
- 31 **CEREBRAL MECHANISMS OF ANTIEPILEPTIC DEFENSE**
V. Karlov, *Russia*
- 32 **KETOGENIC DIET EFFICACY IN CHILDREN WITH LENNOX-GASTAUT SYNDROME**
K. Nickels, D. Kenney, S. Eckert, L. Wong-Kisiel, E. Wirrell, *USA*
- 33 **THE POSSIBILITIES OF NEUROIMAGING IN DIAGNOSTICS OF SYMPTOMATIC EPILEPSY IN CHILDREN**
K. Aminov, *Uzbekistan*
- 34 **EFFECT OF AED ON THE EEG PATTERN IN EPILEPTIC CHILDREN**
I. Khachidze, V. Maloletnev, M. Gugushvili, *Georgia*
- 35 **TELEMEDICINE: A GREAT POTENTIAL TO BE EXPLORED FOR EPILEPSY - LITERATURE REVIEW**
B.B. Butterby, I.C.D. Souza, C.D. Rocha, J.A.D. Oliveira Júnior, F.O. Gomes, J.E.D.S. Cavalcante, *Brazil*
- 36 **THE STUDY OF MENTAL DISORDERS IN CHILDREN WITH AGE RELATED EPILEPSY WITH CENTRO-TEMPORAL (ROLANDIC) SPIKES**
D. Zaytsev, N. Titov, *Russia*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy (cont.)

Poster No

- 37 **EEG FINDINGS IN POST - STROKE SEIZURES**
S. Mijo, I. Zekja, S. Grabova, E. Konda, D. Dobi, S. Xhaxho, J. Kruja, *Albania*
- 38 **CLINICAL PRESENTATION AND NEUROPHYSIOLOGICAL FINDINGS IN PATIENTS WITH PINEAL REGION EXPANSIONS - OUR 17 YEAR EXPERIENCE**
S. Nankovic, S. Hajsek, A. Bujan Kovac, J. Paladino, Z. Petelin Gadze, V. Sulentic, I. Kovacevic, *Croatia*
- 39 **ANTICONVULSANT ACTIONS OF SKA-31 IN PILOCARPINE TREATED CHRONIC EPILEPTIC RATS**
M.L. Raza, U. Heinemann, *Germany*
- 40 **AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY'S STANDARDIZED CRITICAL CARE EEG TERMINOLOGY: INTERRATER RELIABILITY AND 2012 VERSION**
H. Arif, L.J. Hirsch, S.M. LaRoche, N. Gaspard, E. Gerard, A. Svoronos, S.T. Herman, R. Mani, N. Jetté, Y. Minazad, J.F. Kerrigan, P. Vespa, S. Hantus, J. Claassen, G.B. Young, E. So, P.W. Kaplan, M.R. Nuwer, N.B. Fountain, F.W. Drislane, *USA, Canada*
- 41 **CONTINUOUS EEG IN CRITICALLY ILL PATIENTS: EXPERIENCE AT A SINGLE TERTIARY CARE CENTER**
H. Arif, S.M. LaRoche, *USA*
- 42 **THE NEUROLOGICAL STATUS OF CHILDREN WITH EPILEPTIC ENCEPHALOPATHY**
G. Sadikova, **D. Aminova**, *Uzbekistan*
- 43 **INFANTILE SPASM IN CHILDREN: CLINICAL FEATURES AND OUTCOME**
T. Sultan, *Pakistan*
- 44 **SUBJECTIVE HANDICAP IN PEOPLE WITH EPILEPSY IN GEORGIA AND TURKEY**
N. Gzirishvili, E. Togonidze, G. Lomidze, Ç. Özkara, G. Gözübatık, S. Kasradzea, A. Tsiskaridzec, J.W. Sander^{4,5}, *Georgia, Turkey, UK, Netherlands Antilles*
- 45 **AN EPIDEMIC OF SEIZURES AND PSYCHOSIS IN A SUDANESE VILLAGE - A CHALLENGING EXPERIENCE**
O. Seidi, *Sudan*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy (cont.)

Poster No

- 46 **THE SENSITIVITY OF THE LONG TERM EEG AND SLEEP EEG IN THE DIAGNOSIS OF EPILEPSY**
I. Uludag, L. Ocek, Y. Zorlu, F. Tokucoglu, *Turkey*
- 47 **WHITE-MATTER TRACT INTEGRITY AND SEIZURE PROPAGATION IN NON-LESIONAL TEMPORAL LOBE EPILEPSY**
H. Leung, D. Wang, L. Shi, L.K. Wong, V. Mok, *Hong Kong S.A.R.*
- 48 **AUTOSOMAL RECESSIVE CORTICAL MYOCLONIC TREMOR AND EPILEPSY: ASSOCIATION WITH A MUTATION IN THE POTASSIUM CHANNEL ASSOCIATED GENE *CNTN2***
E. Stögmann, *Austria*
- 49 **PRECISE DETECTION OF EPILEPTIC SPIKES IN THE EEG**
M. Weinkopf, H. Perko, M. Hartmann, G. Gritsch, F. Fürbaß, D. Grossegger, T. Kluge, *Austria*
- 50 **STATUS EPILEPTICUS IN GLIOMA**
K.M. Knudsen-Baas, J.F. Owe, S.E. Hegrestad, B.A. Engelsen, A.M. Storstein, *Norway*
- 51 **EPILEPSY AND PARKINSON: FREQUENT COMBINATION?**
H. Stefan, J. Winkler, *Germany*
- 52 **CONTRALATERAL BLINK INHIBITION IS A POSSIBLE PATHOMECHANISM FOR ICTAL UNILATERAL EYELID BLINKING - A CASE REPORT**
G. Kalss, M. Leitinger, J. Dobesberger, C.A. Granbichler, J. Höfler, D.P. Huber, G. Kuchukhidze, T. Moroder, A. Rohrer, W. Staffen, E. Trinkka, *Austria*
- 53 **HOT WATER EPILEPSY -SEIZURE INDUCTION PROCEDURE DURING EEG RECORDING**
B. Labovic, R. Raicevic, T. Lepic, N. Rajsic, *Serbia*
- 54 **A PRESENTATION OF TWO CLINIC CASES OF HYPOMELANOSIS OF ITO AND EPILEPSY**
J. Zhang, *China*

Sunday, September 22, 2013

08:30-17:00

Poster Area

Poster Session 1: Epilepsy (cont.)

Poster No

- 55 **ABSENCE SEIZURES ARISING FROM A MUTATION THAT CAUSES SELECTIVE LOSS OF AMPA RECEPTORS WITHIN THALAMOCORTICAL NETWORKS**
B. Leitch, O. Shevtsova, G. Arbutnott, *New Zealand, Japan*
- 56 **PRRT2 MUTATION IN JAPANESE PKC/PKD CASES**
M. Morita, I. Nakano, *Japan*
- 57 **POOLED ANALYSIS OF INDIVIDUAL PATIENT DATA FROM EUROPEAN OBSERVATIONAL STUDIES ON ZONISAMIDE USE IN CLINICAL PRACTICE: SUB-GROUP COMPARISONS OF EFFICACY**
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- 61 **EFFICACY AND SAFETY OF ESLICARBAZEPINE ACETATE IN ACUTE MANIC EPISODES ASSOCIATED WITH BIPOLAR I DISORDER: BIA-2093-203 PHASE II STUDY RESULTS**
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- 62 **COG-NITIVE MALFUNCTION IMPAIRMENT AND STIGMA IN HIV/AIDS EPILEPTIC PATIENTS IN KENYA**
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- 64 **EFFICACY, SAFETY AND TOLERABILITY OF ESLICARBAZEPINE ACETATE IN THE RECURRENCE PREVENTION OF BIPOLAR I DISORDER: BIA-2093-205 PHASE II EXTENSION STUDY**
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- 66 **THE EFFECTS OF ESLICARBAZEPINE ON PERSISTENT NA⁺ CURRENT AND THE ROLE OF THE NA⁺ CHANNEL B SUBUNITS**
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- 67 **TOLERABILITY OF ESLICARBAZEPINE ACETATE AS ADJUNCTIVE THERAPY OF ADULT PATIENTS WITH PARTIAL-ONSET SEIZURES UP TO ONE YEAR OF FOLLOW-UP**
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- 68 **TOWARDS SURGICAL TREATMENT OF STATUS EPILEPTICUS COMPLICATING LENNOX GASTAUT SYNDROME: PLACE OF THE VAGUS NERVE STIMULATION**
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- 72 **ZONISAMIDE MONOTHERAPY IN ADULT PATIENTS WITH PARTIAL, GENERALIZED & COMBINED SEIZURES: INTERIM ANALYSIS OF A OPEN-LABEL, NON-COMPARATIVE, OBSERVATIONAL STUDY**
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- 73 **THE PROGNOSTIC VALUE OF INTERICTAL SCALP EEG TO SURGICAL OUTCOME IN PATIENTS WITH HIPPOCAMPAL SCLEROSIS; INFLUENCE OF ANTIEPILEPTIC DRUGS**
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- 74 **RETIGABINE AS ADJUNCTIVE TREATMENT IN ADULTS WITH REFRACTORY PARTIAL ONSET EPILEPSY. OWN EXPERIENCE AT LEAST A HALF-YEAR FOLLOW-UP**
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- 75 **MIDAZOLAM PLASMA LEVELS AFTER THE ADMINISTRATION OF A GALENIC NASAL SPRAY FORMULATION IN HEALTHY VOLUNTEERS**
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- 77 **MULTIMODAL PRESURGICAL EVALUATION IN CHILDREN WITH FOCAL CORTICAL DYSPLASIA**
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- 78 **SYMPTOMATIC VERSUS IDIOPATHIC TEMPORAL LOBE EPILEPSIES: FINDINGS FROM A COHORT OF 75 PATIENTS**
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- 80 **ICTAL FEARFUL PERCEPTION OF THE PRESENCE OF ANOTHER IN FRONTAL LOBE EPILEPSY - CASE REPORT**
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- 87 **THE EFFECTIVENESS OF MEDICAL TREATMENT OF CHILDHOOD EPILEPSY**
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- 88 **INTRACRANIAL METALLIC BODY ARTIFACT IN ROUTINE SCALP EEG, A CASE SERIES**
K. Tawfik, *Egypt*
- 89 **EEG AS A PROGNOSTIC TOOL FOR CLASSIC ABSENCE**
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- 90 **THE ECONOMIC BURDEN OF EPILEPSY ON A BLACK SOUTH AFRICAN COMMUNITY**
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- 91 **ALTERED GABA_A RECEPTOR SUBUNIT EXPRESSION AT THALAMOCORTICAL SYNAPSES IN AN ANIMAL MODEL OF ABSENCE EPILEPSY**
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- 92 **CLINICAL UTILITY OF (¹⁸F)-FLUOROFLUMAZENIL PET IN PRESURGICAL EVALUATION OF REFRACTORY FOCAL EPILEPSY**
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- 95 **HEADACHES IN PATIENTS WITH EPILEPSY**
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- 97 **ASSOCIATION OF EFFECTIVENESS OF EPILEPSY PHARMACOTHERAPY AND PATIENTS' GENEALOGICAL DATA**
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- 99 **SUSTAINED RELEASE FORMS: APPLICATION TO ANTIEPILEPTIC DRUGS IN DEVELOPING COUNTRIES**
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- 103 **KETAMINE IN REFRACTORY STATUS EPILEPTICUS - A RETROSPECTIVE STUDY ON 16 PATIENTS**
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- 105 **WHITE MATTER ABNORMALITIES IN PATIENTS WITH IDIOPATHIC GENERALIZED EPILEPSY**
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- 106 **NEUROPHYSIOLOGICAL STUDY IN PATIENTS WITH BENIGN ADULT FAMILIAL MYOCLONUS EPILEPSY**
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- 108 **SPECTRAL ANALYSIS OF EEG IN PATIENTS WITH DRUG RESISTANT EPILEPSY**
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- 111 **CYTOGENETIC EVALUATION IN EPILEPSY PATIENTS CORRELATED WITH MTHFR C677T GENE MUTATION AND FREQUENCY OF HOMOCYSTEINE LEVELS**
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- 112 **WHEN EPILEPTOGENESIS OCCURS IN PATIENTS WITH NEUROCYSTICERCOSIS?**
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- 114 **ANTIEPILEPTIC DRUG LEVELS IN PATIENTS ADMITTED FOR EPILEPSY SURGERY EVALUATION**
G.T. Sotomayor, F.P. Picard, C. Korff, S. Vullémoz, M. Seeck, Epileptologie Group Hôpitaux Universitaire Genève, *Switzerland*
- 115 **EVALUATION OF COGNITIVE DEFICIT IN PATIENTS WITH EPILEPSY MEASURED WITH MMSE (MINI MENTAL STATE EXAMINATION)**
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- 119 **POSTICTAL SNEEZING: A CASE STUDY**
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- 120 **SURGICAL PALLIATIVE CARE IN LENNOX-GASTAUT SYNDROME**
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- 125 **CLINICAL & ELECTROENCEPHALOGRAPHIC AND COGNITIVE FUNCTION CORRELATION IN EPILEPTIC CHILDREN**
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- 126 **EPILEPSY: AN HISTORICAL OVERVIEW**
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- 127 **EPILEPSY CARE IN ARMENIA. DATA OF 3382 CONSECUTIVE EPILEPTIC PATIENTS**
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- 128 **FEATURES OF MEMORY IMPAIRMENT IN TEMPORAL LOBE EPILEPSY (TLE) AND JUVENILE MYOCLONIC EPILEPSY (JME) IN ADULTS**
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- 129 **INCREASED RISK OF ATHEROSCLEROSIS ANTIEPILEPTIC DRUG USE**
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- 132 **INSIGHTS GAINED THROUGH THE CHINA DEMONSTRATION PROJECT - PRACTICAL EXPERIENCE FROM SICHUAN**
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- 133 **USEFULNESS OF PET/CT IN DIAGNOSIS OF TEMPORAL EPILEPSY**
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- 134 **EXPRESSION OF ADENOSINE KINASE IN HUMAN MESIAL TEMPORAL LOBE EPILEPSY WITH HIPPOCAMPAL SCLEROSIS: A PRELIMINARY STUDY**
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- 135 **LOCALIZATION OF FOCAL DELTA ACTIVITY IN EPILEPSY PATIENTS AFTER BRAIN SURGERY USING MEG**
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- 136 **FUNCTIONING AND DISABILITY IN PATIENTS WITH EPILEPSY: PSYCHOSOCIAL DIFFICULTIES REPORTED BY PATIENTS**
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- 138 **INCREASED SEIZURE FREQUENCY DUE TO THE COPPER DEFICIENCY IN WILSON'S DISEASE**
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- 139 **ATTENTIONAL DEFICIT IN CHILDHOOD BENIGN EPILEPSY WITH CENTROTEMPORAL SPIKES (BECTS) AND ABSENCE SEIZURES EPILEPSY**
P. Conde-Guzón, M.T. Bartolomé-Albistegui, R. Cancho-Candela, C. Rodríguez, M.J. Conde-Guzón, *Spain*
- 140 **HAIL MARY PRAYER - AN ICTAL MANIFESTATION OF NON-CONVULSIVE STATUS EPILEPTICUS**
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- 141 **SOURCE ANALYSIS IN PATIENTS WITH IDIOPATHIC GENERALIZED EPILEPSY**
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- 142 **ARE THE ICHD-II MIGRAINE DIAGNOSTIC CRITERIA SCIENTIFICALLY VALID?**
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- 143 **SOME FEATURES OF NEUROIMAGING RESEARCH METHODS IN THE DIAGNOSIS OF PATHOLOGICAL TORTUOSITY OF CEREBRAL VESSELS IN PATIENTS WITH PRIMARY HEADACHES**
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- 144 **HANDL SYNDROME PRESENTING DURING PREGNANCY**
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- 145 **RECENT CONCEPT IN PATHOPHYSIOLOGY AND TREATMENT OF PSEUDOTUMOR CEREBERI (PTC) M.H. Ibrahim, *Egypt***

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N. Abokrysha, N. Kishk, L. Rashed, *Egypt*
- 147 **THE PAIN LOCATION FOR DIAGNOSIS OF PRIMARY HEADACHE IS CLOSELY RELATED WITH GOLD MERIDIAN SYSTEM OF KOREAN HAND THERAPY**
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- 148 **CHRONIFICATION OF MIGRAINEURES PRESENTING VARIOUS CERVICAL ABNORMALITIES**
K.H. Park, H.W. Kim, T.W. Yoo, *Republic of Korea*
- 149 **A SELF-HELP PROGRAM-PROAA IMPROVES THE QUALITY OF LIFE OF PATIENTS WITH MIGRAINE AND/OR TENSION-TYPE HEADACHE. A 7-YEAR FOLLOW-UP**
M. Seijo-Martinez, M.J. Lozano-Lorenzo, *Spain*
- 150 **CLUSTER-LIKE HEADACHE ASSOCIATED WITH SYMPTOMATIC CHIARI TYPE I MALFORMATION: A CASE PRESENTATION**
Y. Kaplan, O. Kamisli, S. Kamisli, *Turkey*
- 151 **ATYPICAL PRESENTATION OF TOLOSA-HUNT SYNDROME TREATED WITH AGGRESSIVE IMMUNOSUPPRESSION AND RADIOTHERAPY**
H. Hamdalla, A. Zermansky, *UK*
- 152 **ROLE OF THE INSOLVENCY CONNECTIVE TISSUE IN THE DEVELOPMENT OF PATHOLOGICAL DEFORMATION OF CEREBRAL VESSELS IN PATIENTS WITH PRIMARY HEADACHES**
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- 153 **TOTAL MIGRAINE FREEDOM (TMF) FOR SINGLE PULSE TRANSCRANIAL MAGNETIC STIMULATION (STMS) VERSUS TRIPTANS FOR THE EARLY ACUTE TREATMENT OF MIGRAINE**
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- 235 **INFLUENCE OF VIRTUAL REALITY ENVIRONMENT IN ROBOTIC - ASSISTED TREADMILL TRAINING ON MOTOR FUNCTIONS IN CHILDREN WITH CEREBRAL PALSY**
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- 243 **POSTURE INFLUENCE ON THE PENDULUM TEST OF SPASTICITY IN SPINAL CORD INJURED PATIENTS**
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- 244 **INFLUENCE OF PLANTAR SOMATOSENSORY INPUT ON CALORICALLY INDUCED AND PATHOLOGIC VERTIGO**
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- 246 **CLINICAL EFFICACY OF NON-INVASIVE TRANSORBITAL ALTERNATING CURRENT STIMULATION IN OPTIC NEUROPATHY: A DOUBLE-BLIND, RANDOMIZED, SHAM-CONTROLLED MULTI-CENTER STUDY**
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- 252 **ANALYSIS OF INDEPENDENCE IN OLDER SUBJECTS AND ASSESSMENT OF THE IMPACT OF PHYSIOTHERAPY INTERVENTION ON FUNCTIONAL INDEPENDENCE AND AUTONOMY**
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- 329 **SPINAL CORD STIMULATION FOR NEUROPATHIC PAIN THROUGH AN OPEN APPROACH WITHOUT PRELIMINARY TEST: A CLINICAL SERIES**
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- 339 **RADIOTHERAPY IN SYMPTOMATIC VERTEBRAL HEMANGIOMAS**
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- 353 **PHENYTOIN SERUM CONCENTRATIONS AND FACTORS AFFECTED AFTER TRAUMATIC BRAIN INJURY**
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- 354 **A RARE PRESENTATION OF BRAIN ABSCESS AND VENTRICULITIS CAUSED BY *KLEBSIELLA PNEUMONIA***
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- 355 **EFFECTS OF PREHOSPITAL NEUROLOGIST ASSESSMENT ON APPROPRIATE DELIVERY TO NEUROLOGY FACILITIES THE STROKE EMERGENCY MOBILE (STEMO) PROJECT**
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- 356 **A COMPARATIVE EFFECTIVENESS STUDY OF RECOMBINANT ACTIVATED FACTOR VII FOR ACUTE INTRACEREBRAL HAEMORRHAGE: MONOTHERAPY VERSUS COMBINATION THERAPY**
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- 357 **EEG PATTERN OF ALPHA ACTIVITY AND SURVIVAL IN COMATOSE PATIENTS**
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- 359 **AWAKENING AFTER INITIATING LEVODOPA IN A THALAMIC HEMORRHAGE**
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- 360 **ZINGIBER OFFICINALE ALTERS 3,4-METHYLENEDIOXYMETHAMPHETAMINE - INDUCED NEUROTOXICITY IN RAT BRAIN**
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- 361 **SYSTEM FOR THE ASSESSMENT AND COMMUNICATION OF PATIENTS WITH DISORDERS OF CONSCIOUSNESS (DOC)**
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- 362 **THE ROLE OF CT-ANGIOGRAPHY IN DIAGNOSING BRAIN DEATH**
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- 363 **FUNCTIONAL RESULTS OF SURGERY NEUROGENIC HETEROTOPIC OSSIFICATION IN PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY: ABOUT 19 CASES**
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- 364 **CLINICAL SYNDROMES OF NEUROTRANSMITTER DYSFUNCTION AFTER SEVERE TRAUMATIC BRAIN INJURY (STBI)**
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- 365 **HEMODYNAMIC ADJUSTMENT OPTIMIZATION WITH SYMPATHOMIMETIC AGENTS IN PATIENTS AFTER SEVERE TRAUMATIC BRAIN INJURY (STBI)**
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- 367 **SEVERE UNRESPONSIVE CEREBRAL VASOSPASM TREATED WITH MILD HYPOTHERMIA: CASE REPORT AND LITERATURE REVIEW**
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- 368 **SECRETONEURIN AS AN AUXILIARY NOVEL BIOMARKER FOR HYPOXIC BRAIN INJURY AFTER CARDIAC ARREST**
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- 370 **LIMBIC ENCEPHALITIS IN A CHILD WITH AN ATYPICAL PRESENTATION**
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- 371 **VOLTAGE-GATED POTASSIUM CHANNEL ANTIBODIES (VGKC-AB) ASSOCIATED WITH LIMBIC ENCEPHALITIS: BORDERLINE POSITIVE LEVELS IN ASIAN PATIENTS?**
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- 372 **HASHIMOTO'S ENCEPHALOPATHY ASSOCIATED WITH AN ELEVATED INTRATHECAL IGG4 LEVEL**
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- 373 **VIRAL MENINGITIS TRIGGERS ANTI-NMDA RECEPTOR ENCEPHALITIS**
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- 375 **CLINICAL PROFILE OF ANTI-NMDAR ENCEPHALITIS IN PATIENTS OF CHINA**
J. Wang, L. Liu, Z. Song, *China*
- 376 **MYELITIS AND H1N1 VACCINATION**
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- 377 **ATYPICAL BICKERSTAFF'S BRAINSTEM ENCEPHALITIS: CLINICAL VIGILANCE ENSURES FAVOURABLE PROGNOSIS**
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- 378 **COMPARATIVE NEURONAL UPTAKE AND CYTOTOXICITY OF ANTI-HU AND ANTI-RI ANTIBODIES IN RAT CEREBELLAR AND HIPPOCAMPAL SLICE CULTURES**
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- 379 **IMMUNOPATHOLOGICAL SIGNIFICANCE OF OVARIAN TERATOMA IN PATIENTS WITH ANTI-N-METHYL-D-ASPARTATE RECEPTOR ENCEPHALITIS**
E. Tabata, *Japan*
- 380 **SUBACUTE CEREBELLAR DEGENERATION ASSOCIATED WITH METABOTROPIC GLUTAMATE RECEPTOR-1 ANTIBODIES: NEW PARANEOPLASTIC ACCOMPANIMENTS**
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- 381 **CLINICAL MANIFESTATION OF NON-STIFF ANTI-AMPHIPHYSIN SYNDROME (NSAS)**
S.-T. Lee, J. Moon, S.-M. Kim, K. Chu, S.K. Lee, *Republic of Korea*

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- 383 **ANTI-NMDA-RECEPTOR ANTIBODY ENCEPHALITIS IN A TEENAGE BOY**
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- 384 **BICKERSTAFF BRAINSTEM ENCEPHALITIS - A CASE REPORT**
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- 385 **TREATABLE CAUSE OF RELAPSING ENCEPHALOPATHY**
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- 386 **PARANEOPLASMATIC ENCEPHALITIS DUE TO MERKEL CELL NEUROENDOCRINE SKIN CARCINOMA**
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- 387 **LIMBIC ENCEPHALITIS, CLINICAL FEATURES AND AUTOPSY FINDINGS**
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- 388 **POST-ICTAL EEG FINDINGS IN A PATIENT DIAGNOSED WITH ALTERNATING HEMIPLEGIA OF CHILDHOOD (AHC)**
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- 389 **HYPOKALEMIC PARALYSIS CAUSED BY DE NOVO MUTATION OF THE SCN4A GENE**
M. Heinsoo, *Estonia*
- 390 **THE CASE OF PRENATAL DIAGNOSTICS OF DENDY-WALKER SYNDROME**
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- 392 **CLINICAL AND NEUROPHYSIOLOGICAL FEATURES OF 79 CHILDREN WITH DEVELOPMENTAL AND BENIGN MOVEMENT DISORDERS**
N. Kuzmina, Z. Rafikova, Y. Khakimova, I. Yuldashev, *Uzbekistan*
- 393 **INEFFECTIVENESS OF TOPIRAMATE AND LEVETIRACETAM IN INFANTILE SPASMS NON-RESPONSIVE TO STEROIDS**
A.A. Mahmoud, *Saudi Arabia*
- 394 **HYPERACTIVITY AND IMPULSIVITY IN CHILDREN WITH ALLERGIC RHINITIS**
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- 395 **NEONATAL ONSET OF A CANAVAN DISEASE IN A LYBIAN NON-JEWISH ASHKANAZI PATIENT**
I. Lakhdar, S. Nagi, N. Miladi, S. Ben Sassi, *Tunisia*
- 396 **CLINICAL AND PHYSIOLOGIC EVALUATION OF BREATHING PATTERNS OF PREMATURE CHILDREN WITH NEUROLOGICAL COMPLICATIONS OF HIV INFECTION**
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- 397 **HEREDITARY SPASTIC PARAPLEGIA IN CHILDREN**
R. Koul, F. Al Murshedi, A. Al Futaisi, *Oman*
- 398 **COMBINATION OF NEONATAL CEREBRAL ISCHEMIA AND SYSTEMIC ENDOTOXIN MODULATES EXPRESSION OF OLIGODENDROGLIAL GENES**
M. Buelow, M. Porambo, D. Reisinger, A.W. Phillips, M.V. Johnston, A. Fatemi, *USA*
- 399 **A CASE REPORT OF A CONGENITAL ENCEPHALON MALFORMATION AND GIANT MACROCEPHALY ASSOCIATED WITH HYDROCEPHALUS**
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- 400 **SYSTEMIC JUVENILE LUPUS ERYTHEMATOSUS LONG LASTING REMISSION OF SEVERE NEUROLOGICAL SYMPTOMS AFTER TREATMENT WITH RITUXIMAB**
A. Masri, C. Mohs, E. Craemer, I. Jafaar, B. Kress, U. Meyding-Lamadé, *Brunei, Germany*
- 401 **PELIZAEUS MERZBACHER LIKE DISEASE IN TUNISIAN CHILDREN: A SEVERE PHENOTYPE**
I. Rebai, I. Kraoua, I. Dorboz, H. Benrhouma, H. Klau, A. Rouissi, O. Boesflug-Tanguy, N. Gouider-Khouja, I. Ben Youssef-Turki, *Tunisia, France*
- 402 **DIFFUSION TENSOR IMAGING OF THE CEREBELLUM-PREFRONTAL AREA IN ADHD**
E. Barragan, D. Pilar, H. Silvia, O. Manuel, C.S. Eduardo, **S. Hidalgo-Tobon**, *Mexico*
- 403 **RESTING STATE IN LATINAMERICAN CHILD WITH ADHD**
E. Barragan, H. Silvia, D. Pilar, D.C.A. Benito, *Mexico*
- 404 **COMPARISON OF REPOSITION RATE BETWEEN HEADSHAKING MANEUVER AND VIBRATION MANEUVER IN AGEOTROPIC HORIZONTAL BPPV**
H.S. Han, D.S. Shin, *Republic of Korea*
- 405 **QUANTITATIVE ASSESSMENT OF THE AUTONOMIC NERVOUS SYSTEM IN YOUNG PATIENTS WITH VERTEBRA-BASILAR DYSIRCULATION**
N. Nekrasova, **I. Grygorova**, *Ukraine*
- 406 **VESTIBULAR MANIFESTATIONS IN A MIGRAINOUS POPULATION**
C.G. Videla, A. Bisonni, E. Doctorovich, E. Cristiano, *Argentina*
- 407 **CHARACTERISTICS OF HORIZONTAL POSITIONAL NYSTAGMUS**
C. Lechner, R.L. Taylor, C. Todd, M.S. Welgampola, *Australia*
- 408 **DIFFERENTIAL DIAGNOSIS OF VERTIGO USING COMPUTER VERTIGOMETRY DATA**
I.P. Maryenko, S.A. Likhachev, *Belarus*

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F. Gulec Uyaroglu, N. Celebisoy, **Y. Zorlu**, *Turkey*
- 410 **A CASE OF SPONTANEOUS INTRACRANIAL HYPOTENSION WITH CEREBELLAR SYMPTOMS**
S. Korkmaz, K. Hamamcioglu, M. Aksu, M. Ozturk, *Turkey*
- 411 **RELATIONSHIP BETWEEN PARANEOPLASIC CEREBELLAR DEGENERATION AND OVEREXPRESSION OF C-ERBB-2 GENE IN BREAST CANCER**
J.P.R.P.T. de Azevedo, N.P. Divino, I.D.P. Eleutério, N.D. Jordão, **F.O. Gomes**, D.S. Diniz, *Brazil*
- 412 **7-TESLA MRI REVEALS NO STRUCTURAL LESIONS OF THE VESTIBULOCOCHLEAR NERVE IN PATIENTS WITH VESTIBULAR PAROXYSMIA (VP)**
P.S. Rommer, C. Kronnerwetter, **H. Zach**, S. Trattinig, G. Wiest, *Austria*
- 413 **VERTEBROBASILAR DOPPLERSONOGRAPHY IN PATIENTS WITH VERTIGO**
T. Lepic, **D. Veljancic**, B. Labovic, Z. Krsmanovic, M. Lepic, R. Raicevic, *Serbia*
- 414 **BRAIN ELECTRICAL ACTIVITY IN STROKE PATIENTS UNDER TRANSCRANIAL MAGNETIC STIMULATION THERAPY**
G.E. Vinajera, *Cuba*
- 415 **HEADACHES AMONG MEDICAL STUDENTS: NON-EXPECTED CONCLUSIONS**
C.L.A. Moraes, **M.M.F. Dias**, A.J. Godoy, *Brazil*
- 416 **PROPHYLAXIS OF PEDIATRIC HEADACHE WITH TOPIRAMATE**
S. Al Faqih, *Syria*
- 417 **THE SITUATION OF THE EEG SERVICE IN A DEVELOPING COUNTRY / EGYPT**
K.A.M.T. Ahmed, *Egypt*
- 418 **VERAPAMIL SIDE EFFECTS IN OUR CLUSTER HEADACHE POPULATION**
M. Bernal Sánchez-Arjona, O. Lara, P. Matínez, M. Caceres, C. Gonzalez Oria, *Spain*

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LOBES OF PATIENTS WITH ACUTE MILD
TRAUMATIC BRAIN INJURY**

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G.L. Iverson, J. Öhman, *Finland, USA*

420 **BIOMARKERS FOR PREDICTION OF HAND
FUNCTION AFTER STROKE - THE PROHAND
STUDY PROTOCOL**

J. Plantin, E. Laurencikas, P. Lindberg, J. Borg,
Sweden

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- 1 **THE ROLE OF CERVICAL AND OCULAR VESTIBULAR EVOKED MYOGENIC POTENTIALS IN THE FOLLOW-UP OF VESTIBULAR NEURONITIS**
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- 2 **IMMUNOHISTOCHEMICAL STUDIES OF ANGIOGENIN IN THE SKIN OF PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS**
K. Higashida, S. Ono, *Japan*
- 3 **TUMOR NECROSIS FACTOR-A (TNF-A) IS INCREASED IN THE SKIN OF PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS**
H. Fukasawa, S. Ono, *Japan*
- 4 **CEREBRAL HEMODYNAMIC CHANGES IN HEAD-UP TILT TEST IN PATIENTS WITH ORTHOSTATIC HYPOTENSION, POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME AND OTHER ORTHOSTATIC INTOLERANCE**
K.J. Shin, J.K. Kim, *Republic of Korea*
- 5 **AGE AND GENDER INFLUENCE ON MOTOR UNIT NUMBER IN HEALTHY SUBJECTS ESTIMATED BY MULTIPOINT INCREMENTAL MUNE METHOD**
M. Gawel, A. Kostera-Pruszczyk, *Poland*
- 6 **SAMPLING OF THE MYELINATED FIBERS FOR MORPHOMETRIC STUDIES: HOW MUCH IS ENOUGH?**
F.B.C. Silveira, L.S. Sanada, V.P.S. Fazan, *Brazil*
- 7 **DILATED CARDIOMYOPATHY IN BECKER MUSCULAR DYSTROPHY**
P.C. Ines, A. Aquino, M. Ronaldo, J.D. Magno, *Philippines*
- 8 **OX40-OX40L EXPRESSION IN IDIOPATHIC INFLAMMATORY MYOPATHIES**
C. Papadopoulos, G.K. Papadimas, G. Terzis, E. Mastoroglou, P. Manta, *Greece*
- 9 **SONOPORATION DELIVERED GOLD NANOPARTICLES FOR MYOPATHY TREATMENT ON RAT MODEL**
M.Y. Spivak, R.V. Bubnov, L.M. Lazarenko, N.O. Tymoshok, *Ukraine*

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- 10 **CHILDHOOD ONSET FAMILIAL NEMALINE ROD MYOPATHY: A REPORT OF TWO SIBLINGS**
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- 11 **SUBACUTE PROGRESSIVE OPHTHALMOPLÉGIA ASSOCIATED WITH DERMATOMYOSITIS**
S. Kono, T. Bunai, T. Terada, T. Konishi, K. Shirakawa, H. Miyajima, *Japan*
- 12 **MACROPHAGES INVOLVEMENT IN NEURODEGENERATIVE PROCESS IN MOTOR NEURON DISEASE**
D. Labunskiy, T. Fedotova, *USA, Russia*
- 13 **VIII CRANIAL NERVE INVOLVEMENT AND PERIPHERAL NEUROPATHY IN PATIENTS WITH FABRY DISEASE**
S. Carmona, C. Marchesoni, R. Weinschelbaum, L. Bayón, A. Pardal, P. Zuberbuler, I. Kisinovsky, P. Acosta, A. Quarín, R.C. Reisin, *Argentina*
- 14 **ISCHEMIC NEUROPATHY IN PATIENTS WITH PERIPHERAL ARTERIAL OCCLUSIVE DISEASE**
K.J. Shin, J.K. Park, *Republic of Korea*
- 15 **PIRIFORMIS SYNDROME AND PERONEAL H-REFLEX**
C. Khamis, R. Jawish, *Lebanon*
- 16 **CORRELATION BETWEEN ORAL CORTICOSTEROID THERAPY AND PRESENT DISEASE STATUS IN MYASTHENIA GRAVIS: A MULTICENTER CROSS-SECTIONAL STUDY IN JAPAN**
T. Imai, S. Suzuki, E. Tsuda, Y. Nagane, H. Murai, M. Masuda, S. Konno, Y. Suzuki, S. Nakane, K. Fujiwara, N. Suzuki, K. Utsugisawa, Japan MG Registry, *Japan*
- 17 **EFFECT OF FOOD ON PHARMACOKINETICS OF 3,4-DIAMINOPYRIDINE IN RATS AND HEALTHY VOLUNTEERS**
N. Ishida, E. Kobayashi, R. Matsushita, K. Komai, *Japan*
- 18 **BAFF (B CELL ACTIVATING FACTOR) CAN BE THE CLINICAL MARKER IN MYASTHENIA GRAVIS**
W. Sakai, S. Nakane, T. Narita, M. Motomura, H. Matsuo, *Japan*

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R. Nakata, M. Motomura, H. Shiraishi, T. Narita, T. Yoshimura, A. Kawakami, M. Tsujihata, *Japan*
- 20 **CLINICAL AND GENETIC CHARACTERISTICS OF CHRONIC PROGRESSIVE EXTERNAL OPHTHALMOPLÉGIA (CPEO)**
J. Schaefer, D. Leupold, S. Clodius, H. Reichmann, S. Jackson, *Germany*
- 21 **MAGNETIC RESONANCE IMAGING FINDINGS IN IMMUNOHISTOCHEMICALLY CONFIRMED SARCOGLYCANOPATHIES**
A. Ramakrishna, A. Nalini, N. Gayathri, M.M.S. Bharath, B. Sunitha, K. Polavarapu, *India*
- 22 **THE INITIAL ELECTRODIAGNOSTIC SIGNS THAT DISTINGUISH ACUTE INFLAMMATORY DEMYELINATING POLYNEUROPATHY FROM ACUTE MOTOR AXONAL NEUROPATHY**
C.S.J. Lim, N. Yuki, T. Umapathi, *Singapore*
- 23 **CLINICAL AND IMMUNOLOGICAL PREDICTORS OF PROGNOSIS FOR JAPANESE PATIENTS WITH THYMOMA-ASSOCIATED MYASTHENIA GRAVIS**
S. Suzuki, K. Utsugisawa, Y. Nagane, N. Suzuki, *Japan*
- 24 **LATE ONSET POST-RADIOTHERAPY BRACHIAL PLEXOPATHY**
F.J. Rodriguez de Rivera, F. Palomo, F. Vivancos, J. Arpa, E. Díez Tejedor, *Spain*
- 25 **JUVENILE-ONSET BECKER TYPE MYOTONIA CONGENITA**
F.J. Rodriguez de Rivera, I. Sanz, J. Arpa, E. Díez Tejedor, *Spain*
- 26 **COULD ACETATE ESLICARBACEPINA BE EFFECTIVE IN NEUROPATHIC PAIN?**
F.J. Rodriguez de Rivera, E. Díez Tejedor, *Spain*
- 27 **VULNERABILITY OF THENAR MUSCLE AND SENSORY NEURONOPATHY IN PATIENTS WITH AMYOTROPHIC LATERAL SCLEROSIS (ALS)**
C.-H. Kim, S.-Y. Kwon, *Republic of Korea*

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- 28 **LGMD2I: IMMUNOHISTOCHEMICAL AND IMMUNOBLOT TECHNIQUE ASSISTED IDENTIFICATION OF 51 CASES WITH BOTH DUCHENNE AND BECKER PHENOTYPE**
S. Modi, A. Nalini, N. Gayathri, M.S. Bharath, B. Sunitha, K. Polavarapu, *India*
- 29 **THE IMPACT OF AUTOIMMUNE THYROID DISEASE ON THE COURSE OF MYASTHENIA GRAVIS**
J. Kubiszewska, P. Szczudlik, B. Szyluk, M. Dutkiewicz, T. Bednarczuk, M. Bielecki, Z. Bartoszewicz, A. Kostera-Pruszczyk, *Poland*
- 30 **SWALLOWING AND RESPIRATION RELATIONSHIP IN AMYOTROPHIC LATERAL SCLEROSIS**
Ş.E. Nazan, K. Karali, A. Ünal, F. Kızılay, C. Öğüş, H. Uysal, *Turkey*
- 31 **DISTAL HEREDITARY MOTOR NEUROPATHY ASSOCIATED WITH MULTIPLE CRANIAL NERVES PALSY**
A.S. Sissoko, T. Coulibaly, T.H. Coulibaly, M. Karambé, C.O. Guinto, K. Dembélé, B. Maiga, L. Cissé, M. Konaté, M. Traoré, *Mali*
- 32 **PERIPHERAL NERVE SAFETY MEASURES IN A MULTICENTER, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED, DOSE-RANGING STUDY OF FULRANUMAB IN PATIENTS WITH PAINFUL DIABETIC NEUROPATHY**
M. Polydefkis, H. Wang, G. Romano, M.E. Frustaci, D. Cornblath, J. Thippawong, K.M. Kelly, J. Arezzo, *USA*
- 33 **CEREBROSPINAL FLUID BIOMARKERS OF NEURODEGENERATION IN PATIENTS WITH JUVENILE AND CLASSIC MYOTONIC DYSTROPHY TYPE 1**
S. Peric, G. Mandic Stojmenovic, I. Markovic, E. Stefanova, V. Ilic, A. Parojcic, S. Misirlic Dencic, M. Ostojic, V. Rakocevic Stojanovic, V. Kostic, *Serbia*
- 34 **ENDOCRINE MYOPATHIES**
B.N. Bouzidi, E. Turki, I. Bouchhima, M. Damak, M.I. Miledi, I. Feki, C. Mhiri, *Tunisia*

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- 130 **OBJECTIVE BIOLOGICAL MARKERS DURING THE COURSE OF DISEASE IN AMYOTROPHIC LATERAL SCLEROSIS**
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- 131 **A CASE OF PAINLESS PTOSIS DUE TO ISOLATED LEVATOR PALPEBRAE MYOSITIS**
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- 132 **USING SENSITIVITY, SPECIFICITY AND ACCURACY FOR DETECTION OF AXONAL NEUROPATHY**
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- 140 **EFFECT OF ERYTHROPOIETIN THERAPY ON VASOSPASM, CEREBRAL INFARCTION AND GLASGOW OUTCOME SCALE IN PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE: A META-ANALYSIS**
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- 144 **ACUTE KORSAKOFF SYNDROME FOLLOWING BILATERAL PARAHIPPOCAMPAL GYRUS INFARCTION**
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- 167 **CARDIAC ARREST ALTERS REGIONAL UBIQUITIN LEVELS IN THE PORCINE BRAIN. NEUROPROTECTIVE EFFECTS OF METHYLENE BLUE**
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- 174 **NOCTURNAL BLOOD PRESSURE REGULATION IN STROKE PATIENTS WITH SLEEP APNEA- IMPACT OF ETIOLOGY, COMORBIDITY, MEDICATION AND AND CEREBRAL LESION**
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- 175 **CHARACTERIZATION OF CEREBRAL VENOUS THROMBOSIS IN A STROKE UNIT - CROSS-SECTIONAL STUDY**
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- 176 **PREDICTORS AND CAUSES OF HOSPITAL READMISSIONS AFTER ACUTE ISCHAEMIC STROKE: LOCAL DATA FROM A HOSPITAL-BASED REGISTRY**
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- 180 **PREVALENCE AND RADIOLOGICAL PECULIARITIES OF METABOLIC SYNDROME AND HYPERTENSION IN STROKE PATIENTS**
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- 181 **COMPARISON OF COMORBIDITY OF HYPERTENSION AND MILD COGNITIVE IMPAIRMENT IN ATRIAL FIBRILATION'S PATIENTS AFTER STROKE AND MIOCARDIAL INFARCTION**
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- 183 **CLINICAL CHARACTERISTICS OF STROKE PATIENTS IN THE NORTHERN THAILAND**
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- 184 **GOAL ACHIEVEMENT OF RISK FACTOR CONTROL FOR PATIENT WITH ISCHEMIC STROKE IN THE NORTHERN THAILAND**
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- 189 **EFFECT OF FUNCTIONAL SNPS IN UCP2 GENE ON CEREBRAL INFARCTION AMONG THE KOREAN OLDER MALE SUBJECTS**
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- 191 **A NOVEL PATHWAY FOR ATRIAL FIBRILLATION: CONCISE, PRACTICAL, EASY-TO-USE**
G. Lai, K.E. Lee, *Singapore*
- 192 **INTRAVENOUS THROMBOLYSIS FOR ACUTE ISCHAEMIC STROKE AFTER RECENT TRANSIENT ISCHAEMIC ATTACK**
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- 193 **COULD PRO-BNP, URIC ACID, BILIRUBIN, ALBUMIN AND TRANSFERRIN BE USED IN MAKING THE DISTINCTION BETWEEN STROKE SUBTYPES?**
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- 196 **EARLY CLINICAL MANIFESTATIONS IN PATIENTS WITH CEREBRAL VENOUS THROMBOSIS**
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- 197 **SEXUAL LIFE OF POST-STROKE WOMEN WITH MILD OR NO DISABILITY: A QUALITATIVE STUDY**
S.D. Yilmaz, H. Gumus, H. Yilmaz, *Turkey*
- 198 **DUAL ANTIPLATELET THERAPY CLOPIDOGREL WITH LOW DOSE CILOSTAZOL INTENSIFIED PLATELET INHIBITION IN PATIENTS WITH ISCHEMIC STROKE**
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- 199 **ROTATIONAL VERTEBRAL ARTERY OCCLUSION: MECHANISMS AND LONG-TERM OUTCOME**
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- 200 **COL4A2 MUTATION CAUSING RECURRENT INTRACEREBRAL HEMORRHAGE - IMPORTANCE OF SCREENING BOTH COL4A1 AND COL4A2 IN ICH OF UNKNOWN ORIGIN**
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- 204 **COMPARISON OF STROKE SEVERITY AND COMORBIDITY BETWEEN PATIENTS WITH ACUTE STROKE IN BASILAR (BA) OR MEDIAL CEREBRAL ARTERIES (MCA) AREAS**
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- 206 **CEREBRAL VENOUS THROMBOSIS: PATIENTS WITH AND WITHOUT PARENCHYMAL LESIONS**
M. Tan, N. Altinkaya, B. Göksel, Ö. Alkan, S. Karaca, *Turkey*
- 207 **BRAIN MRI FINDINGS IN FABRY DISEASE**
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- 208 **A CLINICAL STUDY OF THE PATIENTS WITH "ATAXIA OPTIQUE"**
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- 214 **"SILENT" STROKES IN HYDROCEPHALUS**
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- 215 **PATIENTS WITH ATRIAL FIBRILLATION AND $CHA_2DS_2-VASC \leq 1$ STILL DEVELOP STROKE - WHY SO?**
O. Rosca, S. Diaconu, N. Diaconu, *Moldova*
- 216 **CEREBROVASCULAR RISK FACTORS AND DEPRESSION: REPORT FROM NATIONAL AMBULATORY MEDICAL CARE SURVEY 2002-2009**
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- 217 **HOSPITALIZED PATIENTS IN THE MORTALITY RATE FROM STROKE**
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- 218 **ICH EVACUATION BY MIN TECHNIQUES**
K.D.M. Resch, *Germany*
- 219 **ISOLATED OCULOMOTOR NERVE PALSY: A RARE MANIFESTATION OF SPONTANEOUS INTERNAL CAROTID ARTERY DISSECTION**
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- 223 **PECULIARITIES OF THE ETIOLOGY OF ISCHEMIC STROKE IN YOUNG PATIENTS**
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- 224 **ALLELIC POLYMORPHISM OF THE LMP2 AND PSMA6 GENE IN ACUTE ISCHEMIC STROKE PATIENTS IN UKRAINIAN POPULATION**
V. Melnyk, O. Savchuk, V. Dosenko, L. Sokolova, G. Skibo, *Ukraine*
- 225 **CEREBRAL VENOUS THROMBOSIS - CLINICAL PRESENTATIONS AMONGST SUDANESE PATIENTS**
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- 226 **IBUDILAST INHIBITS TH17 DIFFERENTIATION**
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- 227 **"MOBILE STROKE UNIT" FOR STROKE TREATMENT AT THE EMERGENCY SITE**
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- 228 **EVALUATION OF LEFT VENTRICULAR DIASTOLIC DYSFUNCTION OF ACUTE ISCHEMIC STROKE PATIENTS BY TRANSTHORACIC ECHOCARDIOGRAPHY**
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- 230 **THE TEMPORAL EVOLUTIONS OF LAC, CR AND NAA CONCENTRATIONS IN WHOLE BRAIN HYPERACUTE ISCHEMIA RAT MODEL DETECTED QUANTITATIVELY BY HPLC**
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- 232 **SERIAL HEMODYNAMIC AND AUTONOMIC FUNCTION STUDIES IN ACUTE ISCHEMIC STROKE: RELATION TO OUTCOME, STROKE TYPE AND LOCATION**
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- 233 **MYOCARDIAL INFARCTION AS AN EARLY COMPLICATION IN ACUTE STROKE PATIENTS: RESULTS FROM THE AUSTRIAN STROKE UNIT REGISTRY**
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- 234 **COMPARISON BETWEEN MULTIPHASIC PERFUSION CT GUIDED SELECTION AND PERFUSION MRI SELECTION OF PATIENTS WITH ACUTE ISCHEMIC STROKE FOR ENDOVASCULAR TREATMENTS**
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- 299 **THE ROLE OF HEMODYNAMIC DISTURBANCE ON EXTRACRANIAL CAROTID ARTERY ON THE OCCURRENCE OF BRAIN ANEURYSM**
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- 303 **INTRACRANIAL CAROTID ARTERY DISSECTION IN PUERPERIUM**
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- 310 **PSYCHOSIS AFTER THALAMIC INFARCTS: IS IT JUST POST-STROKE DELIRIUM OR DOES THE THALAMUS HAVE A PIVOTAL ROLE TO PLAY?**
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- 313 **RELATIONSHIP OF BRACHIAL-ANKLE PULSE WAVE VELOCITY AND CEREBRAL MICROBLEEDS, LACUNAR INFARCTS AND WHITE MATTER LESIONS IN ACUTE ISCHEMIC STROKE**
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- 332 **RECURRENT ISCHEMIC STROKE REVEALING TAKAYSU'S ARTERITIS**
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- 333 **PRELIMINARY EVALUATION OF DIFFUSION KURTOSIS IMAGING IN ACUTE STROKE PATIENTS**
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- 334 **CORTICAL DEAFNESS AS A SOLE MANIFESTATION OF ISCHEMIC CEREBROVASCULAR DISEASE**
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- 335 **ACUTE ISCHEMIC STROKE WITH MEDIAL CEREBRAL ARTERY HYPERDENSE SIGN - COMPARISON OF INTRAVENOUS THROMBOLYSIS AND CATHETER-BASED THERAPY: A PILOT STUDY**
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- 336 **QUALITY OF CARE REGISTRY OF CEREBROVASCULAR DISEASE IN VENETO REGION: ONE YEAR OF EXPERIENCE IN MONITORING AND IMPLEMENTING STROKE CARE**
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- 337 **IS TROMBOLYSIS REALIZABLE AT THE DEPARTMENT OF NEUROLOGY, FANN TEACHING HOSPITAL, DAKAR-SENEGAL?**
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- 339 **QUALITY CONTROL OF CAROTID STENTING WITH DIGITAL SUBTRACTION ANGIOGRAPHY AND COMPUTED TOMOGRAPHY ANGIOGRAPHY: SIMILARITIES AND DIFFERENCES**
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- 340 **EARLY RECURRENT ISCHAEMIC STROKE (ERIS) - UNDER RECOGNISED CAUSE OF EARLY NEUROLOGICAL DETERIORATION (END) IN STROKE PATIENTS UNDERGOING THROMBOLYSIS**
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- 341 **CARNEY COMPLEX IN A YOUNG PATIENT WITH ISCHEMIC STROKE**
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- 342 **TIME IS BRAIN: STROKE THROMBOLYSIS IN BRUNEI DARUSSALAM**
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- 343 **RETROSPECTIVE EVALUATION OF PATIENTS WITH ORAL ANTICOAGULANT TREATMENT INTRODUCED FOR SECONDARY PREVENTION**
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- 344 **PREDICTORS OF PNEUMONIA IN ACUTE STROKE INPATIENTS IN EMERGENCY UNIT**
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- 345 **ASSOCIATION BETWEEN METABOLIC SYNDROME AND HOMOCYSTEINEMIA IN ISCHEMIC STROKE**
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- 347 **THE ASSOCIATION BETWEEN ROUTINE SERUM C-REACTIVE PROTEIN AND OUTCOME IN ISCHEMIC STROKE PATIENTS TREATED WITH INTRAVENOUS ALTEPLASE**
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- 348 **UNILATERAL ASTERIXIS FOLLOWING THALAMIC STROKE**
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- 352 **ACUTE ISCHEMIC STROKE, CLASSIFICATION IN TERMS OF ETHIOPATHOGENESIS, CORRELATION BETWEEN NEURORADIOLOGICAL, CLINICAL AND PROGNOSTIC FINDINGS**
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- 355 **RED BLOOD CELL DISTRIBUTION WIDTH (RDW) ASSOCIATION WITH ISCHEMIC STROKE AMONG ADULTS YOUNGER THAN 55 YEARS**
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- 357 **MULTIPLE LACUNAR STATE AND POST STROKE DEMENTIA**
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- 359 **IMPACT OF HEAT SHOCK PROTEIN ON ISCHEMIC STROKE RISK**
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- 361 **RESCUE THROMBECTOMY AFTER FAILURE OF INTRAVENOUS THROMBOLYSIS IN ACUTE ISCHEMIC STROKE: PRELIMINARY RESULTS OF A MULTICENTER PROSPECTIVE OBSERVATIONAL STUDY**
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- 362 **EPIDEMIOLOGY STUDY OF STROKE ABOUT 1256 CASES**
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- 364 **CEREBRAL AMYLOID ANGIOPATHY (CAA), AN OFTEN MISSED CAUSE OF INTRACRANIAL BLEEDING**
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- 365 **PROSPECTIVE USG-DOPPLER EVALUATION OF THE CONDITION OF CCA/ICA IN PATIENTS WITH SYMPTOMATIC AND ASYMPTOMATIC CAROTID STENOSIS**
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- 366 **CLINICAL FEATURES AND OUTCOME OF STROKE IN THE VERY ELDERLY**
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- 367 **FABRY DISEASE NORTHERN SARDINIA: SCREENING IN YOUNG ADULTS WITH CEREBROVASCULAR DISORDERS**
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- 368 **AN OMINOUS DISEASE MIMICKING MULTIPLE SCLEROSIS**
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- 369 **TISSULAR AND MOTOR ANALYSIS OF NEUROPROTECTIVE AND ANTI-INFLAMMATORY EFFECTS OF COPAIBA OIL (*COPAIFERA RETICULATA DUCKE*) AFTER FOCAL CORTICAL ISCHEMIA**
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- 370 **CLINICAL AND RADIOLOGIC IMAGING STUDY OF PATIENTS WITH RUPTURED AND UNRUPTURED CEREBRAL ANEURYSMS SUBMITTED TO THE ENDOVASCULAR OR MICROSURGICAL TREATMENT**
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- 373 **A BRAIN-COMPUTER INTERFACE FOR REHABILITATION AFTER STROKE**
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- 374 **VESTIBULAR EVOKED MYOGENIC POTENTIALS IN CEREBELLAR AND BRAINSTEM STROKES**
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- 375 **SWALLOW THERAPY FOR DYSPHAGIA**
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- 376 **PRESENTING SYMPTOMS FOR THE IDENTIFICATION OF ACUTE STROKE AND TRANSIENT ISCHEMIC ATTACK IN THE EMERGENCY DEPARTMENT**
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- 377 **ICT-SUPPORTED CVD PREVENTION THROUGH PHONE-BASED AUTOMATED LIFESTYLE COACHING**
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- 378 **ACUTE CEREBROVASCULAR ACCIDENTS AND SUDDEN WEATHER CHANGES: ANY ASSOCIATION?**
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- 379 **KNOWLEDGE AND ATTITUDES TOWARDS STROKE AMONG WORKERS IN THREE UNIVERSITY HOSPITALS IN EGYPT**
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- 381 **THE EFFECT OF NASOGASTRIC TUBE IN STROKE PATIENT WITH SWALLOWING DISORDER**
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- 382 **THE INVESTIGATION OF NEUROPROTECTIVE ACTIVITY OF 5-HYDROXYADAMANTANE-2-ON IN RATS UNDER THE CONDITIONS OF LOCAL PERMANENT BRAIN ISCHEMIA**
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- 383 **HEMORHEOLOGICAL STUDY IN A GROUP OF PATIENTS WITH CLINICALLY SILENT MULTIFOCAL VASCULAR CEREBRAL LESIONS**
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- 384 **ACUTE STATINS TREATMENT FOR ANEURYSMAL SUBARACHNOID HEMORRHAGE MIGHT BE LIMITED: A SYSTEMATIC REVIEW AND META-ANALYSIS**
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- 385 **CEREBRAL AMYLOID ANGIOPATHY-RELATED LEUKOENCEPHALOPATHY: A CASE OF SUCCESSFUL STEROID TREATMENT FOR NEUROLOGICAL DEFICIT AND WHITE MATTER LESIONS**
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- 388 **GLYCATED PEPTIDES INDUCE ENDOTHELIAL DYSFUNCTION IN THE BRAIN VASCULATURE IN NORMOALBUMINURIC PATIENTS WITH TYPE 2 DIABETES MELLITUS**
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- 389 **LEVEL OF VON WILLEBRAND FACTOR IN PATIENTS WITH CAROTID ARTERY STENOSIS**
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- 390 **SERUM LEVELS OF YKL-40 IN ACUTE ARTERIAL ISCHEMIC STROKE PATIENTS, AND ITS RELATIONSHIP TO INFARCT VOLUME**
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- 391 **NIMODIPINE IN TREATMENT OF COGNITIVE IMPAIRMENT IN PATIENTS WITH SUBARACHNOID HEMORRHAGE**
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- 392 **COMPARISON OF RISK FACTORS BETWEEN ISCHAEMIC STROKE AND HAEMORRHAGIC STROKE**
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- 393 **CD34+/CXCR4+/CD45- STEM CELLS AND CEREBROVASCULAR RISK FACTORS IN ACUTE STROKE PATIENTS**
A. Gojska-Grymajlo, W.M. Nyka, M. Zielinski, T. Bandurski, *Poland*
- 394 **PHARMACOGENOMIC ASSESSMENT OF CLOPIDOGREL - A STEP TOWARD PERSONALIZED MEDICINE FOR PATIENTS WITH ISCHEMIC STROKE**
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- 396 **STABLE PATIENTS ON WARFARIN TREATMENT IS ACTUALLY STABLE?**
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- 397 **ASSESSMENT OF FUNCTIONAL OUTCOME AND QUALITY OF LIFE AFTER ANEURYSMAL SUBARACHNOID HEMORRHAGE**
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- 398 **HYPERTENSION RATES AND MORTALITY IN SPONTANEOUS INTRACEREBRAL HEMORRHAGE AND ISCHEMIC CEREBROVASCULAR DISEASE**
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- 399 **RECOMBINANT TISSUE PLASMINOGEN ACTIVATOR AND STROKE - CASE REPORT**
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- 400 **THE LOCKED-IN PLUS SYNDROME**
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- 401 **IN-HOSPITAL FATALITY IN STROKE PATIENTS IN RELATION TO RISK FACTORS AND CLINICAL PRESENTATION AT HADHRAMOUT: ANALYSIS OF 1072 CASES**
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- 402 **PREDICTIVE FACTORS OF MANNITOL INDUCED ACUTE RENAL INSUFFICIENCY**
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- 403 **IMMUNE THROMBOPENIC PURPURA (ITP) ELICITED BY CHILDHOOD VACCINATION AND ANTIPHOSPHOLIPID SYNDROME (APS) MANIFESTED AS CEREBRAL VENOUS THROMBOSIS: COINCIDENCE OR NO?**
C. Plastira, E. Zafeiropoulou, E. Kontogeorgi, D. Karakalos, *Greece*
- 404 **ISCHEMIC STROKE IN A YOUNG MAN WITH MTHFR A1298C AND ACE I/D POLYMORPHISM**
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- 405 **SUDDEN-ONSET HEMICHOREA WITH HYPOMANIA**
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- 406 **LEFT ATRIAL ENLARGEMENT AS AN INDICATOR OF SEVERE CARDIOEMBOLIC STROKE RISK IN PATIENTS WITH LOW RISK ATRIAL FIBRILLATION**
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- 407 **ENDOTHELIAL DYSFUNCTION IN SMOKERS PATIENT IN ACUTE ISHEMIC STROKE**
M. Azhermacheva, E. Therskih, K. Burkova, D. Plotnikov, *Russia*
- 408 **A RETROSPECTIVE STUDY OF 100 CASES OF CAROTID ARTERY STENTING AT A NON TEACHING INTERVENTIONAL NEUROLOGY DEPARTMENT**
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- 409 **THE UNDERLYING PROBLEM IN STROKE; THE PUBLIC WAFFLES IN DARKNESS**
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- 410 **APOE POLYMORPHISMS AND ISCHEMIC STROKE IN A GREEK POPULATION**
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- 412 **UNUSUAL CEREBRAL VENOUS THROMBOSIS PRESENTING WITH PERIPHERAL FACIAL PALSY: A CASE REPORT**
A. Tufekci, S. Kirbas, S. Cakmak, A. Kirbas, A. Kanat, *Turkey*
- 413 **INTERNAL CAROTID TRANSFER OF AUTOLOGOUS BONE-MARROW MONONUCLEAR CELLS FOR THE TREATMENT OF SEVERE STROKE IN PATIENT WITH THROMBOTIC THROMBOCYTOPENIC PURPURA**
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- 414 **CLINICAL APPLICABILITY OF STROKE PROGNOSTICATION USING AGE AND NIH STROKE SCALE (SPAN) INDEX FOR THROMBOLYSIS IN SLOVENIAN POPULATION**
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- 415 **QUANTITATIVE SENSORY TESTING IN STROKE**
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- 416 **CADASIL, MASKS AND MIMICS**
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- 417 **EFFECT OF ATORVASTATIN ON THE CD36+, VWF+ AND PLASMA NITRIC OXIDE LEVEL IN ACUTE LACUNAR STROKE**
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- 418 **TIME TRENDS IN THE PRIMARY AND SECONDARY PREVENTION OF STROKE**
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- 419 **ANGIOGRAPHIC THROMBECTOMY IN VENOUS SINUS THROMBOSIS: CASE REVIEW AND SERIES**
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- 420 **STROKES OF TAKAYASHU DISEASE**
D. Hakem, M. Mati, N. Slimani, A. Habouchi, L. Stof, F. Kessaci, A. Berrah, B. Mansouri, *Algeria*

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- 422 **CORRELATION OF ELECTROPHYSIOLOGIC ABNORMALITY WITH MOTOR RECOVERY IN STROKE**
E.Y. Han, *Republic of Korea*
- 423 **THE COMPARISONS OF ADRENERGIC AND VAGAL BAROREFLEX SENSITIVITY BETWEEN PATIENTS WITH DIABETIC NEUROPATHY AND CONTROL GROUP**
T.-H. Hur, H.-J. Kim, D.-H. Lee, T.-K. Lee, *Republic of Korea*
- 424 **A COMPARISON OF CO-MORBIDITIES BETWEEN THE POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME AND GENERALIZED DYSAUTONOMIAS**
K.R. Chémali, K. McNeeley, *USA*

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- 425 **LEVODOPA-RESPONSIVE PARKINSONISM AND AUTONOMIC (SMALL FIBER) DYSFUNCTION IN PATIENTS WITH WILSON'S DISEASE (WD)**
F.D.A.A. Gondim, Í.S. Oliveira, D.F. Araújo, A.P. Melo, L.C. Alves, I.T. Araújo, O.C. Vale, *Brazil*
- 426 **PATHOGENESIS OF THE HEMIFACIAL HYPERHIDROSIS**
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- 427 **PATTERNS OF AUTONOMIC NERVOUS SYSTEM IMPAIRMENT FOLLOWING CONCUSSION**
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- 428 **A CASE OF PRIMARY SJÖGREN'S SYNDROME PRESENTED WITH DYSAUTONOMIA AS INITIAL MANIFESTATION**
J. Park, *Republic of Korea*
- 429 **RESPONSE TO TREATMENT IN LEAD EXPOSED CHILDREN WITH AUTONOMIC DYSFUNCTION**
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- 17 **A RANDOMIZED PLACEBO-CONTROLLED TRIAL OF QUETIAPINE FOR THE TREATMENT OF BEHAVIORAL AND PSYCHOLOGICAL SYMPTOM OF DEMENTIA IN ALZHEIMER'S DISEASE PATIENTS**
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- 302 **FINGOLIMOD (FTY720) ORAL FOR THE TREATMENT OF CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY (CIDP): STUDY DESIGN OF THE PHASE 3 FORCIDP TRIAL**
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- 305 **CLINICAL CONSEQUENCES OF PERSISTENTLY HIGH-TITER NEUTRALIZING ANTIBODIES IN PATIENTS WITH MULTIPLE SCLEROSIS - RESULTS FROM THE GERMAN REFERENCE LAB**
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- 306 **THE EXPERIENCE OF THE MANAGEMENT OF PREGNANT WOMEN WITH MULTIPLE SCLEROSIS**
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- 308 **TLR 3 LIGAND POLY I:C DOES NOT INDUCE ENCEPHALITOGENIC T CELLS NOR ESSENTIALLY ALTER CYTOKINE PRODUCTION IN SJL EAE**
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- 311 **AIR POLLUTION IMPACTS ON PREGNANT WOMEN AND LOW BIRTH WEIGHT IN KENYA**
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- 328 **INBORN ERRORS OF METABOLISM: CHARACTERIZATION OF A GROUP OF PATIENTS WITH ONSET DURING ADULTHOOD**
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- 335 **ROLE OF IONIC DERANGEMENT AND INFLAMMATORY FACTORS IN THE DEVELOPMENT OF HEPATIC ENCEPHALOPATHY FOLLOWING BILE DUCT LIGATION**
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- 336 **RARE MANIFESTATIONS OF FAHR'S SYNDROME: A REPORT OF 3 CASES**
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- 337 **PSYCHIATRIC MANIFESTATION OF ADULT FORM OF NIEMANN-PICK TYPE C. A CASE REPORT**
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- 339 **A NOVEL HETEROPLASMIC MUTATION IN THE MITOCHONDRIAL ATP6 GENE ASSOCIATED WITH PARKINSON'S SYNDROME AND EPILEPSY**
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- 342 **RELATIONSHIP OF OXYHAEMOGLOBIN SIGNAL WITH BLOOD PRESSURE OR SKIN BLOOD FLOW DURING CYCLE EXERCISE AT DIFFERENT INTENSITIES: AN NIRS STUDY**
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- 344 **TRANSIENT GLOBAL APHASIA AFTER CEREBRAL ARTERIOGRAPHY: A POSSIBLE REVERSIBLE CONTRAST MEDIUM NEUROTOXICITY MIMICKING STROKE**
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- 350 **9.4T MRS CHARACTERIZATION OF HUMAN UMBILICAL CORD MESENCHYMAL STEM CELLS UNDERWENT DEATH METABOLISM**
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- 351 **CONNECTIVITY CHANGES AFTER PERIPHERAL END-TO-SIDE COAPTATION FOLLOWING BRACHIAL PLEXUS AVULSION: A DYNAMIC CAUSAL MODELLING (DCM) STUDY**
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- 352 **EVALUATING VARIABILITY OF FMRI IN THE SENSORIMOTOR CORTEX - A MULTICENTER STUDY***
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- 353 **BRAIN ACTIVITY IN RESPONSE TO DIFFERENT TASTE STIMULI IN SUBJECTS SUFFERING FROM ANOREXIA NERVOSA IN COMPARISON TO HEALTHY CONTROLS**
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- 354 **METHIONINE PET AND DTI TRACTOGRAPHY CONTRIBUTION IN DIFFERENTIAL DIAGNOSIS OF LETM AND MIMICKING DISORDERS: 3 CLINICAL CASES PRESENTATION**
L. Prakhova, A. Gurchin, **A. Ilves**, T. Matveeva, J. Nazinkina, J. Savintseva, N. Totolyan, T. Trofimova, *Russia*
- 355 **A FAST METHOD FOR DETERMINATION THE PARAMETERS OF PULSED-CEST MRI**
G. Xiao, **Z. Dai**, P.Z. Sun, R. Wu, *China, USA*
- 356 **PREDICTION OF TROCHLEAR NERVE ABSENCE BY SUPERIOR OBLIQUE MUSCLE VOLUMETRY IN CONGENITAL SUPERIOR OBLIQUE PALSY**
H.K. Yang, D.S. Lee, J.H. Kim, **J.-M. Hwang**, C. Kee, *Republic of Korea*
- 357 **PREVALENCE OF ASYMPTOMATIC AND SYMPTOMATIC SPONDYLOTIC CERVICAL SPINAL CORD COMPRESSION**
J. Bednarik, M. Kerkovsky, Z. Kadanka, Z. Kadanka, Jr, M. Nemec, I. Kovalova, B. Jakubcova, *Czech Republic*
- 358 **RELATIONSHIP BETWEEN THE TROCHLEAR NERVE DIAMETER AND SUPERIOR OBLIQUE MUSCLE VOLUME**
J.-M. Hwang, H.K. Yang, D.S. Lee, J.H. Kim, C. Kee, *Republic of Korea*
- 359 **3D VISUALIZATION OF HUMAN SPINAL CORD MICROANATOMY DEMONSTRATED WITH CONTRAST-ENHANCED X-RAY MICROTOMOGRAPHY**
M. Herrera, B. Metscher, J. Murillo, M.C. Barrio, J. Sancho-Rieger, D. Erades, *Spain, Austria*
- 360 **VESTIBULAR-SOMATOSENSORY INTERACTION; A NEAR-INFRARED SPECTROSCOPY STUDY**
H. Yamamoto, M. Iida, *Japan*
- 361 **SERIAL MAGNETIC RESONANCE IMAGING OF ACUTE NECROTIZING MYELITIS**
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- 362 **DEFICITS IN EPISODIC MEMORY RELATE TO REDUCED HIPPOCAMPAL VOLUMES IN VERY-LOW-BIRTH-WEIGHT (VLBW) YOUNG ADULTS**
G. Løhaugen, K.J. Bjuland, M. Martinussen, J. Skranes, *Norway*
- 363 **A RARE CAUSE OF BILATERAL AND SYMMETRIC HIGH INTENSITY T2 SIGNAL OF CORTICOSPINAL TRACTS AT BRAIN MRI: NEUROLYME**
J. Yeung, V. Sudacevski, Y.S. Cordoliani, E. Farfour, S. Genty, F. Pico, *France*
- 364 **CAROTID INTIMA-MEDIA THICKNESS (IMT) AND INDICES OF ARTERIAL STIFFNESS AS THE PREDICTORS OF ISCHEMIC CEREBRAL INFARCTION (ICI) AND MYOCARDIAL INFARCTION (MI)**
L. Danihel, D. Bartko, Z. Gombosova, P. Blazicek, A. Hrubon, E. Drobna, J. Fabcin, A. Lacko, J. Kodaj, *Slovak Republic*
- 365 **INTRACRANIAL DURAL ARTERIOVENOUS FISTULA: A RARE CAUSA OF MYELOPATHY**
A. Veiga, **A. Velon**, J. Gabriel, J.P. Pereira, J. Xavier, M.R. Silva, *Portugal*
- 366 **MR VOLUMETRY OF AMYGDALA AND HIPPOCAMPUS IN HEALTHY CONTROLS**
L. Martinkovic, A. Kalina, J. Adam, P. Marusic, *Czech Republic*
- 367 **DIFFERENT CLINICAL PRESENTATIONS WITH SIMILAR REVERSIBLE SPLENIAL LESIONS**
V. Cruz e Silva, L. Alves, J. Graça, C. Jordão, M. Mendonça, A. Tralhão, R. Serrano, S. Calado, M. Viana-Baptista³, *Portugal*
- 368 **SYNDROMA BROWN-SÉQUARD AS A RARE MANIFESTATION OF VON HIPPEL-LINDAU DISEASE**
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- 369 **BRAIN IMAGING IN CHOREA IN TUNISIAN CHILDREN**
I. Turki, A. Nasri, H. Benrhouma, I. Rebai, I. Kraoua, C. Drissi, H. Klai, N. Ben Achour, A. Rouissi, N. Gouider-Khouja, M. Ben Hammouda, *Tunisia*

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- 370 **SONOGRAPHY - A HELPFUL METHOD IN DIAGNOSIS OF CARPAL TUNNEL SYNDROME**
M. Komenda, V. Wohlgenannt, E. Lindeck-Pozza, W. Grisold, *Austria*
- 371 **SUSAC'S SYNDROME: THREE CASES WITH PREDOMINANT BRANCH RETINAL ARTERY OCCLUSION AT FIRST PRESENTATION**
T. Seifert-Held, A. Barounig, H. Offenbacher, M.K. Storch, M. Weger, B. Langner-Wegscheider, F. Fazekas, *Austria*
- 372 **OCULOGRAPHIC ANALYSIS OF NYSTAGMUS IN ORTHOSTATIC VERTIGO**
J.-H. Choi, J.-D. Seo, H.-J. Cho, S.-H. Kim, **J.-H. Bae**, K.-D. Choi, *Republic of Korea*
- 373 **THE RELATION BETWEEN BENIGN PAROXYSMAL POSITIONAL VERTIGO AND MOTION SICKNESS**
D.S. Shin, **H.S. Han**, *Republic of Korea*
- 374 **VOGT-KOYANAGI-HARADA SYNDROME: REMINDING FOR A RARE CAUSE OF UVEOMENIGEAL SYNDROME**
A. Rua, M. Brandão, A. Marinho, E. Santos, *Portugal*
- 375 **PALEOCEREBELLAR ELECTRICAL STIMULATION PREVENTS STREPTOZOTOCIN RETINOPATHY**
N. Kresyun, T. Muratova, *Ukraine*
- 376 **DUANE SYNDROME: A CASE REPORT**
H. Akgun, M. Yucel, S. Alay, O. Oz, S. Tasdemir, **U.H. Ulas**, Z. Odabasi, S. Demirkaya, *Turkey*
- 377 **MACULAR TUBERCULOMA AND OPTIC NEURITIS: RARE ASSOCIATION WITH TUBERCULOSIS MEANINGO-ENCEPHALITIS**
J. Mounach, A. Laktaoui, K. Reda, A. Rouimi, *Morocco*
- 378 **SUCCESSFUL TREATMENT OF CAROTID-CAVERNOUS FISTULA THROUGH A PERCUTANEOUS ORBITAL APPROACH**
A. Garcia de la Fuente, **R.A. Rangel-Guerra**, *Mexico*
- 379 **IMMUNOLOGICAL MECHANISMS OF PATHOGENESIS OF CHRONIC BRAIN ISCHEMIA**
Y.N. Madjidova, D.D. Usmanova, *Uzbekistan*

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- 380 **RESISTANT HYPERTENSION DE NOVO AFTER ANEURISMAL SUBARACHNOID HAEMMORAGE**
M. Kapanidze, N. Akiashvili, M. Janelidze, N. Kvirkvelia, **N. Lobjanidze**, T. Maisuradze, N. Mikava, L. Chinchaladze, *Georgia*
- 381 **THE FREQUENCY OF FUNCTIONAL DISORDERS IN NEW NEUROLOGY-OUTPATIENTS: AN AUDIT STUDY**
J.P. Zucchetti, C. Medley, S. Alusi, *Italy, UK*
- 382 **COMPRESSED SENSING TECHNOLOGY COULD ACCELERATE MRI AT 7T**
G. Zhang, G. Xiao, **Z. Dai**, S. Li, R. Wu, *China*
- 383 **DEPRESSION IN LRRK2- ASSOCIATED PARKINSON DISEASE**
L. Robbana, R. Rafrafi, **S. Ben Sassi**, Z. El Hechemi, F. Hentati, *Tunisia*
- 384 **IS EDUCATION RELATED TO COGNITIVE AGEING? RESULTS OF THE INTERDISCIPLINARY LONG-TERM STUDY OF ADULTHOOD AND AGEING (ILSE)**
W.-D. Moeller, P. Kropp, B. Mueller, *Germany*
- 385 **OPTICAL COHERENCE TOMOGRAPHY IN PATIENTS WITH OPTIC DISC OEDEMA**
A. Pilat, F.A. Proudlock, M. Lawden, P. Kumar, I. Gottlob, *UK*
- 386 **OPTIMUM GRADIENT ARTIFACT REMOVAL FROM EEG-DATA USING FACET**
J. Glaser, V. Schöpf, **R. Beisteiner**, H. Bauer, F. Fischmeister, *Austria*
- 387 **FATIGUE IN NEUROSARCOIDOSIS**
R. Hebel, Z. Banecka Majkutewicz, *Poland*
- 388 **THE APPLICATIONS OF 7T H-MRS IN DETECTING GLU METABOLISM DURING THE DEPRESSION MECHANISM**
Y. Ding, R. Wu, G. Yan, **Z. Dai**, *China*
- 389 **PLASMAPHERESIS IN SUSAC SYNDROME**
S. Cardoen, R. El Tahry, A. Dhondt, D. Hemelsoet, *Belgium*

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- 390 **CLINICAL DATA PACKAGES OF DRUG APPROVAL FOR NEUROLOGICAL DISEASES IN JAPAN**
K. Sakushima, H. Nakamura, A. Hashizume, *Japan*
- 391 **A CASE OF ISOLATED HYPOGLOSSAL NERVE PALSY SECONDARY TO AN INTERNAL CAROTID ARTERY DISSECTION**
L. Grunsell, P. Hughes, *UK*
- 392 **POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME ASSOCIATED WITH TACROLIMUS AND RENAL FAILURE AFTER LIVER TRANSPLANTATION**
E.D. Ciftci, S. Kibaroglu, U.S. Benli, *Turkey*
- 393 **NEUROSARCOIDOSIS: A TUNISIAN CASE SERIES**
H. Cherni, I. Bekri, F. Nabli, S. Ben Sassi, E. Farhat, M. Zouari, F. Hentati, *Tunisia*
- 394 **OPSOCLONUS-MYOCLOONUS SYNDROME - A CASE REPORT**
E.L. Laursen, A. Sidaros, J. Hojgaard, L.-H. Krarup, *Denmark*
- 395 **MODIFIED EMBRYO ORGAN CULTURE MODEL SYSTEM FOR PRECLINICAL STUDIES OF GROWTH FACTORS-INDUCED NEURAL TISSUE DIFFERENTIATION IN MAMMALS**
J. Stipić, V. Crnek-Kunstelj, *Croatia*
- 396 **COMMON PRESENTATION - ATYPICAL DIAGNOSIS**
M. Garg, W. Al-Dhahir, S. Andole, *UK*
- 397 **TOTAL OPHTHALMOPLEGIA DUE TO GAINT CELL ARTERITIS**
W. Al-Dhahir, A. Mubashir, D.S. Andole, *UK*
- 398 **CYCLIND1 EXPRESSION IN SCHWANN CELL NUCLEUS ASSOCIATED WITH THE STAGE OF NERVE REGENERATION**
T. Kawasaki, N. Oka, H. Yagi, I. Akiguchi, *Japan*
- 399 **SERUM GLUCOSE ADJUSTED CUT-OFF VALUES FOR CEREBROSPINAL FLUID/SERUM GLUCOSE RATIO**
H. Hegen, M. Auer, F. Deisenhammer, *Austria*

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- 400 **A CASE OF PANCOAST TUMOR: UNUSUAL PRESENTATION AND SUCCESSFUL THERAPY**
B. Calabek, S. Meng, S. Pollanz, W. Klepetko, K. Hoetzenecker, F. Oberndorfer, W. Grisold, *Austria*
- 401 **DISABILITY, QUALITY OF LIFE AND WELL-BEING IN PATIENTS UNDERGOING BRAIN SURGERY**
S. Schiavolin, R. Quintas, M. Pagani, A. Raggi, V. Covelli, A.M. Giovannetti, M. Cerniauskaite, P. Meucci, D. Sattin, S. Brock, P. Ferroli, **M. Leonardi**, *Italy*
- 402 **NEUROLOGICAL DISEASES OF AGEING PEOPLE WITH DOWN SYNDROME: A REVIEW FROM 1960 TO 2011**
P. Meucci, V. Covelli, M. Cerniauskaite, **R. Quintas**, M. Pagani, A. Giovannetti, D. Sattin, S. Schiavolin, A. Raggi, M. Leonardi, *Italy*
- 403 **USE OF RITUXAN IN NEUROLOGICAL DISEASE AND OUTCOMES IN KEY DISEASE GROUPS**
K. Garneau, A. Genge, *Canada*
- 404 **PATHOLOGY OF THE MAIN ARTERIES OF THE PATIENTS WITH CONTROLLED AND UNCONTROLLED ARTERIAL HYPERTENSION**
A. Liseenko, *Russia*
- 405 **A LONGITUDINAL STUDY IN A CASE OF KÖHLMEIER-DEGOS-DISEASE WITH CNS-INVOLVEMENT: CLINICAL AND NEURORADIOLOGICAL EVOLUTION**
A. Skrobal, E. Wolf, E.V. Hartl, M. Skrobal, A. Udvardi, K. Zouboulis, D. Garnhaft, M. Räuchle, C. Bacher, M. Breitensteher, *Austria, Germany*
- 406 **NEUROLOGICAL MANIFESTATIONS OF SICKLE CELL ANAEMIA**
A. Hussien, H. Ibrahim, O. El-Adil, *Sudan*
- 407 **NEUROLOGICAL DISEASES IN PREGNANCY**
D. Ndoja, A. Kuqo, J. Naska, A. Rroji, L. Stefanidhi, L. Buda, J. Kruja, *Albania*
- 408 **SYMBIOSIS OF NEURO-INTERVENTIONISTS: FROM PARALLEL PRACTICE TO INTERDISCIPLINARY PATIENT CARE**
T.W. Leung, M. Tang, A. Chan, G.K. Wong, S.C. Yu, *Hong Kong S.A.R.*

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- 409 **CROSS-BORDER MOBILITY OF JUNIOR NEUROLOGISTS TO AND WITHIN THE EUROPEAN UNION: A MAJOR CHALLENGE FOR THE HEALTH CARE SYSTEM**
A. Macerollo, E.T. Varga, O. Györfi, X. Kobeleva, W. Struhal, J. Sellner, *UK, Italy, Hungary, Romania, Germany, Austria*
- 410 **DO YOUNG EUROPEAN NEUROLOGISTS KNOW ENOUGH TO COMFORTABLY TREAT PATIENTS WITH NEUROTRAUMA?**
M. Rakusa, S. Gak, E. Ehler, Y. Alekseenko, J. Opara, D. Muresanu, P. Vos, on behalf of the Scientist Panel on Neurotraumatology, European Federation of Neurological Societies (EFNS) and The European Association of Young Neurologists and Trainees (EAYNT), *Slovenia, Russia, Czech Republic, Belarus, Poland, Romania, The Netherlands*
- 411 **ARTERIAL CNS INVOLVEMENT IN BEHCET'S DISEASE**
G. Akman-Demir, E. Shugaiv, M. Kurtuncu, M. Mutlu, N. Yesilot-Barlas, E. Tuzun, O. Coban, S. Bahar, *Turkey*
- 412 **REDUCE THE RISK IN VULNERABILITY IN HIV**
E. Philip, *Ghana*
- 413 **THE ASSOCIATION BETWEEN URINARY 6-SULFATOXYMELATONIN LEVEL, COGNITIVE AND EMOTIONAL STATUS AND SLEEP QUALITY IN ACUTE STROKE**
A. Kulesh, V. Shestakov, *Russia*
- 414 **VENOUS INFARCTION IN YOUNG FEMALE PATIENTS**
D. Eliauri, M. Alpaidze, T. Kherkheulidze, E. Devidze, M. Beridze, *Georgia*
- 415 **ATORVASTATIN PROTECTS NSC-34 MOTOR NEURONS AGAINST OXIDATIVE STRESS THROUGH THE ACTIVATION OF PI3K, ERK AND FREE RADICAL SCAVENGING**
S.-H. Lee, H. Choi, S.-H. Koh, C. Shim, H.-T. Kim, J. Kim, *Republic of Korea*

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- 416 **ON THE QUESTION OF THE APPLICATION OF SILVER NANOPARTICLES IN ANTITHROMBOTIC THERAPY**
A.I. Fedin, A. Babushkin, A.V. Chekanov, O.A. Baranova, O.P. Mironova, **E.Y. Solovyeva**, *Russia*
- 417 **NEURORADIOLOGICAL EFFICACY OF ORAL BG-12 FOR RELAPSING-REMITTING MULTIPLE SCLEROSIS (RRMS): INTEGRATED ANALYSIS OF THE PHASE 3 DEFINE AND CONFIRM STUDIES**
R.J. Fox, D.H. Miller, R. Gold, D. Macmanus, T. Yousry, A. Bar-Or, R. Zhang, **N.C. Kurukulasuriya**, V. Viglietta, M. Stephan, K.T. Dawson, D.L. Arnold, *USA, UK, Germany, Canada*
- 418 **A CASE OF MULTIPLE SCLEROSIS PRESENTING AS TRIGEMINAL NEURALGIA**
J. Cho, *Republic of Korea*

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- 1 **SYNERGETIC EFFECT OF INTRATHECAL BACLOFEN AND DEEP BRAIN STIMULATION IN TREATING DYSTONIA**
Y. Awaad, T. Rizk, *Saudi Arabia*
- 2 **SYSTEMIC BLOOD PRESSURE PROFILE CORRELATES WITH CARDIAC ¹²³I-MIBG UPTAKE IN PATIENTS WITH PARKINSON'S DISEASE**
Y. Manabe, K. Matsuzono, Y. Takahashi, H. Narai, Y. Imai, K. Abe, *Japan*
- 3 **NEUROPROTECTIVE EFFECT OF SESAMOL AND QUERCETIN AGAINST QA INDUCED NEUROTOXICITY: AN EXPERIMENTAL PARADIGM OF HUNTINGTON'S DISEASE**
A. Kuhad, S. Singla, V. Arora, K. Chopra, *India*
- 4 **MUTATION ANALYSIS OF *ATP7B* GENE IN VIETNAMESE PATIENTS WITH WILSON DISEASE**
H.T.M. Nguyen, N.P.A. Hoa, D.N. Ngo, P.M. Nguyen, T.L. Nguyen, *Vietnam*
- 5 **NEUROPROTECTIVE EFFECTS OF 17-BETA-ESTRADIOL: RELEVANCE TO DEPRESSIVE SYMPTOMS IN PARKINSON'S DISEASE**
P. Kumar, R.K. Kale, N.Z. Baquer, *India*
- 6 **CHOREA-ACANTHOCYTOSIS**
E. Sokolov, S. Schneider, P. Bain, *UK, Germany*
- 7 **TREMOR DOMINANT PARKINSONISM - LESION OR DEEP BRAIN STIMULATION?**
E. Sokolov, T. Aziz, D. Nandi, P. Bain, *UK*
- 8 **ORTHOSTATIC AND SUPINE BLOOD PRESSURES ARE ASSOCIATED WITH WHITE MATTER HYPERINTENSITIES IN PARKINSON DISEASE**
E. Lim, Y. Oh, J. Kim, K. Lee, *Republic of Korea*
- 9 **EXPOSURE OF GSM-900MHZ ON RAT'S BRAIN DOES NOT SUPPORT FOR GENES EXPRESSION INVOLVED IN DNA DAMAGE AND REPAIR PATHWAYS**
N. Kumar, P.R. Mishra, S. Kumar, V.P. Sharma, *India*
- 10 **SUBSTANTIA NIGRA HYPOECHOGENICITY IS NOT RELATED TO FRIEDREICH ATAXIA**
M. Sierra, J. Infante, J. Berciano, *Spain*

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- 11 **ESTIMATION OF THE CAUSED SKIN VEGETATIVE POTENTIALS IN PATIENTS WITH PARKINSON'S DISEASE**
Y.N. Madjidova, S.R. Fahargalieva, *Uzbekistan*
- 12 **SPATIAL MEMORY AND COGNITION IN PATIENTS WITH PARKINSON'S DISEASE: EVALUATING THE DOPAMINERGIC EFFECT**
K. Iseki, S. Slobounov, S. Kranick, P. Ghosh, B. McElroy, D. Benninger, M. Hallett, *USA, Japan*
- 13 **MAPPING PDQ-39 AND PDQ-8 SCORES ONTO EQ-5D UTILITY INDEX IN PATIENTS WITH PARKINSON'S DISEASE**
S. Kalabina, A. Curry, G. Milligan, J. Jackson, E. Merikle, I. Filipovic, *UK, USA*
- 14 **HEMIBALLISMUS: A CASE SERIES IN UYO SOUTHERN NIGERIA**
B.C. Ekeh, F.O. Dike, T.N. Akpabio, A.A. Akpabio, A.R. Isotu, K. Monday, O.O. Johnny, *Nigeria*
- 15 **SAFETY ISSUES OF DEEP BRAIN STIMULATION THERAPY FOR MOVEMENT DISORDERS: AN ANALYSIS OF A 10-YEAR EXPERIENCE**
A. Gamaleya, A. Tomskiy, E. Bril, A. Dekopov, E. Isagulyan, A. Bondarenko, E. Salova, N. Fedorova, S. Buklina, V. Shabalov, *Russia*
- 16 **NOVEL PRECLINICAL THERAPEUTIC STRATEGIES OF NEURODEGENERATION WITH KYNURENINES: CLINICAL PERSPECTIVES (DANUBE NEUROLOGY SESSION)**
L. Vécsei, *Hungary*
- 17 **VIOLATION OF METABOLISM OF NITRIC OXIDE IN PATIENTS WITH PARKINSON'S DISEASE AND VASCULAR PARKINSONISM**
R.J. Matmurodov, K.M. Khalimova, M.M. Raimova, *Uzbekistan*
- 18 **CERVICAL DYSTONIA PATIENT REGISTRY FOR OBSERVATION OF ONABOTULINUMTOXINA EFFICACY (CD PROBE): PAIN AT BASELINE**
D. Charles, J. Jankovic, M. Schwartz, M.F. Brin^{4,5}, *USA*

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- 19 **ENHANCED SUSCEPTIBILITY OF GSH-DEPLETED DROSOPHILA LARVAE TO ROTENONE-INDUCED OXIDATIVE DYSFUNCTIONS: ATTENUATION BY SELAGINELLA DELICATULA (A PTERIDOPHYTE) FLAVONIDS**
G. Chandran, M. Muralidhara, *India*
- 20 **PARKINSON'S DISEASE: MOLECULAR-GENETIC INVESTIGATIONS IN UZBEKISTAN**
M.M. Raimova, K.M. Khalimova, R.J. Matmurodov, *Uzbekistan*
- 21 **PARKINSON'S DISEASE: SANITARY-HYGIENIC INVESTIGATIONS IN UZBEKISTAN**
M.M. Raimova, K.M. Khalimova, R.J. Matmurodov, *Uzbekistan*
- 22 **PATHOPHYSIOLOGICAL ANALYSIS OF DROPPED HEAD SYNDROME CAUSED BY VARIOUS DIAGNOSES - BASED ON SURFACE EMG FINDINGS AND RESPONSES TO PHYSIOTHERAPY**
M. Nagaoka, H.-N. Lin, Y. Hayashi, I. Yonezawa, *Japan*
- 23 **A LONG-TERM, OPEN-LABEL STUDY OF LEVODOPA-CARBIDOPA INTESTINAL GEL IN ADVANCED PARKINSON'S DISEASE PATIENTS: FUNCTIONAL AND HEALTH-RELATED QUALITY-OF-LIFE ENDPOINTS**
D.G. Standaert, H.H. Fernandez, P. Odin, R.A. Hauser, **A.J. Espay**, M. Steiger, S. Chouinard, O. Suchowersky, E. Yakupov, E.P. Merikle, W.Z. Robieson, K. Chatamra, J. Benesh, *USA, Germany, Sweden, UK, Canada*
- 24 **LONG-TERM COMPLICATIONS OF PARKINSON'S DISEASE - 15TH YEAR, 20TH YEAR, AND BEYOND; A HOSPITAL-BASED OBSERVATIONAL STUDY**
H. Shibayama, S. Kaji, D. Nishida, S. Hirata, F. Katada, S. Sato, T. Fukutake, *Japan*
- 25 **ARE BRANDED AND GENERIC EXTENDED-RELEASE ROPINIROLE FORMULATIONS EQUALLY EFFICACIOUS? A RATER-BLINDED, CROSS-OVER, MULTICENTER STUDY**
N. Kovács, E. Bosnyák, M. Herceg, E. Pál, Z. Aschermann, J. Janszky, I. Késmárki, K. Karádi, T. Dóczy, F. Nagy, S. Komoly, *Hungary*

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- 26 **CORRELATION BETWEEN COGNITIVE FUNCTION AND MOTOR SYMPTOMS IN PARKINSON'S DISEASE**
H. Murakami, A. Sugimoto, A. Futamura, K. Fujita, Y. Saito, A. Kuriki, S. Ishigaki, M. Kobayakawa, H. Kato, A. Midorikawa, M. Kezuka, M. Kawamura, *Japan*
- 27 **REM SLEEP BEHAVIOR DISORDER IN PARKINSON DISEASE: ASSOCIATION WITH ABNORMAL OCULAR MOTOR FINDINGS**
B.S. Jeon, Y.E. Kim, H.-J. Kim, *Republic of Korea*
- 28 **TIC DISORDERS (TD) IN CHILDREN: THE KINDERGARTEN MATTERS**
V. Sajin, I. Moldovanu, *Moldova*
- 29 **NEW TREATMENT FOR CLINICAL STABILIZATION IN PARKINSON'S DISEASE (CERVÔ): RESULTS IN 32 PATIENTS AT 29 MONTHS OF FOLLOW-UP**
E. de Font-Réaulx R, *Mexico*
- 30 **LEVOSULPIRIDE INDUCED COMMON AND UNCOMMON MOVEMENT DISORDERS- PARKINSONISM AND TRUNCAL AKATHISIA: THREE CASE REPORTS**
J.B. Sharma, S.K. Saxena, A. Singh, *India*
- 31 **DEGENERATION OF THE CEREBELLUM AND BRAINSTEM IN HUNTINGTON'S DISEASE (HD)**
U. Rüb, M. Hentschel, E. Brunt, H. Heinsen, K. Seidel, K. Stratmann, H. Paulson, J.-P. Vonsattel, W. den Dunnen, H.-W. Korf, *Germany, The Netherlands, USA*
- 32 **RANDOMIZED DOUBLE-BLIND, PLACEBO-CONTROLLED MULTI-CENTER TRIAL ON MOLECULAR HYDROGEN WATER IN PARKINSON DISEASE**
A. Yoritaka, G. Oyama, Y. Shimo, T. Hatano, M. Ando, N. Hattori, Hydrogen Water Study Group, *Japan*
- 33 **LATENT TRIGGER POINTS PLATELETS RICH PLASMA (PRP) INJECTIONS UNDER ULTRASOUND GUIDANCE FOR CHRONIC MYOFASCIAL PAIN**
R.V. Bubnov, D. Fodor, *Ukraine, Romania*

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- 34 **ACTIGRAPHIC STUDY OF GAIT DISTURBANCE IN PATIENTS WITH PARKINSON'S DISEASE**
S. Mochio, R. Sengoku, H. Matsuno, H. Oka, *Japan*
- 35 **IMPULSIVE COMPULSIVE BEHAVIORS IN JAPANESE PARKINSON'S DISEASE PATIENTS AND UTILITY OF THE JAPANESE VERSION OF THE QUESTIONNAIRE FOR IMPULSIVE-COMPULSIVE DISORDERS**
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- 39 **THE DISRUPTION OF VENTRAL STRIATUM AND AMYGDALA ACTIVITY TO FINANCIAL CUES IN NEVER-MEDICATED PARKINSON DISEASE PATIENTS**
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- 40 **D-PENICILLAMINE VERSUS ZINC SULFATE AS FIRST-LINE THERAPY FOR WILSON'S DISEASE**
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- 42 **THE ROLE OF LIVER TRANSPLANT IN THE TREATMENT OF ACQUIRED HEPATOCEREBRAL DEGENERATION AND HEPATIC ENCEPHALOPATHY**
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- 43 **THE CONTEMPORARY CHALLENGES AND CLINICIAN-SCIENTISTS' PERSPECTIVE IN TRANSLATIONAL MEDICINE NEUROSCIENCE RESEARCH 'NEW PATHWAYS OF DISCOVERY': FROM BENCH TO BEDSIDE**
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- 45 **COMPARISON OF DOUBLE MONOPOLAR AND INTERLEAVING STIMULATION MODES IN THE TREATMENT OF PRIMARY GENERALIZED AND SEGMENTAL DYSTONIA**
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- 46 **STRUCTURAL CHANGES OF RAPHE NUCLEI DETECTED BY BRAIN PARENCHYMA SONOGRAPHY AND DIFFUSION TENSOR IMAGING IN PARKINSON'S DISEASE ASSOCIATED WITH DEPRESSION**
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- 48 **AN OPEN-LABEL STUDY IN HEALTHY MALE VOLUNTEERS USING POSITRON EMISSION TOMOGRAPHY TO ASSESS BRAIN ADENOSINE A2A RECEPTOR OCCUPANCY BY V81444**
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- 49 **ESSENTIAL TREMOR AS A PREDICTOR OF PARKINSON'S DISEASE**
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- 50 **EFFECT OF OPICAPONE AND ENTACAPONE ON LEVODOPA PHARMACOKINETICS WHEN ADMINISTERED WITH IMMEDIATE RELEASE 100/25MG LEVODOPA/CARBIDOPA IN HEALTHY SUBJECTS**
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- 52 **RELAPSING POLYCHONDROITIS AND LYMPHOCYTIC MENINGITIS WITH VARIED NEUROLOGICAL SYMPTOMS**
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- 53 **SACCADE-RELATED MODULATION OF BETA OSCILLATION IN THE HUMAN INTERNAL GLOBUS PALLIDUS**
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- 54 **EFFECT OF DOPAMINERGIC DRUGS ON NEURONAL ACTIVITY OF SUBSTANTIA NIGRA IN PATIENTS WITH PARKINSON DISEASE**
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- 57 **A PHASE I SINGLE AND REPEATED DOSE PHARMACOKINETIC STUDY OF ORAL V81444, A SELECTIVE NON-XANTHINE ADENOSINE A_{2A} RECEPTOR ANTAGONIST**
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- 59 **VALIDATION AND CROSS-CULTURAL ADAPTATION OF THE SELF-ASSESSMENT DISABILITY SCALE IN PATIENTS WITH PARKINSON'S DISEASE IN SERBIA**
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- 60 **PHARMACEUTICAL QUALITY OF SEVEN GENERIC LEVODOPA/BENSERAZIDE PRODUCTS COMPARED WITH ORIGINAL MADOPAR®/ PROLOPA®**
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- 61 **EVOLUTION OF MOVEMENT RELATED CORTICAL POTENTIALS IN EARLY STAGE PARKINSON DISEASE**
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- 63 **CIRCADIAN BLOOD PRESSURE AND HEART RATE VARIATIONS IN DE NOVO PARKINSON DISEASE**
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- 64 **COMPARISON OF SMOOTH PURSUIT EYE MOVEMENT (SPEM) IN PATIENTS WITH IDIOPATHIC PARKINSON'S DISEASE (PD) AND PROGRESSIVE SUPRANUCLEAR PALSY (PSP)**
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- 65 **AN AUTOPSY CASE OF PERRY SYNDROME WITH DCTN1 156T>A MUTATION**
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- 66 **MOTOR SEQUENCE LEARNING AND MOTOR ADAPTATION IN PRIMARY CERVICAL DYSTONIA**
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- 67 **EFFECT OF OPICAPONE MULTIPLE-DOSE REGIMENS ON LEVODOPA PHARMACOKINETICS, MOTOR RESPONSE, AND ERYTHROCYTE-COMT ACTIVITY IN PARKINSON'S PATIENTS CO-ADMINISTERED WITH LEVODOPA/DOPA-DECARBOXYLASE INHIBITOR**
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- 68 **EFFICACY AND SAFETY OF OPICAPONE, A NEW COMT-INHIBITOR, FOR THE TREATMENT OF MOTOR FLUCTUATIONS IN PARKINSON'S DISEASE PATIENTS: BIPARK-II STUDY**
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- 70 **WOQ-19 IMPROVES SATISFACTION OF PATIENTS WITH PARKINSON'S DISEASE**
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- 71 **POLYNEUROPATHY IN IDIOPATHIC PARKINSON - AN ANALYSIS OF RISK FACTORS IN A MIXED PARKINSON POPULATION**
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- 72 **INCOBOTULINUMTOXINA DEMONSTRATED THERAPEUTIC EQUIVALENCE TO ONABOTULINUMTOXINA IN THE TREATMENT OF BLEPHAROSPASM AND CERVICAL DYSTONIA**
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- 73 **LONG-TERM TREATMENT OF BLEPHAROSPASM AND CERVICAL DYSTONIA: INCOBOTULINUMTOXINA IS WELL TOLERATED WHEN INJECTED AT FLEXIBLE INTERVALS BASED ON PATIENT NEEDS**
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- 74 **DRUG INDUCED MOVEMENT DISORDERS - PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT**
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- 75 **N-METHYL-D-ASPARTATE RECEPTOR (NMDAR) ANTIBODIES IN POST HERPES SIMPLEX VIRUS ENCEPHALITIS (HSVE) NEUROLOGICAL RELAPSE**
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- 77 **PATIENT SURVEY EVALUATING BOTULINUM TOXIN TYPE A TREATMENT FOR BLEPHAROSPASM**
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- 78 **EFFECTS OF ACTIVE-ASSISTED CYCLING ON MOTOR FUNCTION AND BALANCE IN PARKINSON'S DISEASE**
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- 79 **IS THERE A CORRELATION BETWEEN PLASMA HOMOCYSTEINE AND PARKINSON'S DISEASE ASSOCIATED WITH POLYNEUROPATHY?**
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- 80 **AUTOMATIC DETECTION OF FREEZING INDEX OF PARKINSON'S DISEASE USING A PORTABLE GAIT RHYTHMOGRAM**
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- 81 **THE USE OF DAT-SPECT SCANNING IN THE DIFFERENTIAL DIAGNOSIS OF PARKINSONISM WITHIN THE NORTHUMBRIA PARKINSON'S DISEASE SERVICE**
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- 82 **MEMORY AND ATTENTION IN PATIENTS WITH PARKINSON'S DISEASE**
G. Adler, N. Baumgart, M. Bektas, Y. Lembach, *Germany*
- 83 **THE CAUSES AND ROUTE OF ADMISSION TO INSTITUTIONAL CARE OF PEOPLE WITH PARKINSON'S DISEASE**
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- 84 **DISTRIBUTION OF WILD AND MUTANT TORSINA IN LIVING CELLS**
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- 86 **EXERCISE TRAINING - EFFECTS OF MOTOMED® EXERCISE ON TYPICAL MOTOR DYSFUNCTION IN PARKINSON'S DISEASE**
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- 87 **ANTI-TNF-ALPHA INHIBITORS THERAPY AND NON INFECTIOUS NEUROLOGIC ADVERSE EFFECTS**
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- 88 **CLINICAL CEREBRAL DYSFUNCTION SCLEROSIS IN AFRICA**
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- 89 **ABLATION OF RAT SUBSTANTIA NIGRA IS A GOOD ACUTE MODEL OF PARKINSON'S DISEASE FOR CELL TRANSPLANTATION THERAPY**
S.-I. Hirano, Y. Tokumoto, Y. Nishikawa, *Japan*
- 90 **ASSESSMENT OF THYROID FUNCTION IN SPINOCEREBELLAR ATAXIA TYPE 2 CUBAN PATIENTS**
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- 91 **TREMOR ASSOCIATED WITH KLINEFELTER SYNDROME - A CASE SERIES AND REVIEW OF THE LITERATURE**
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- 92 **EXOME SEQUENCING ANALYSIS IN FAMILIAL PROGRESSIVE SUPRANUCLEAR PALSY**
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- 94 **IMPAIRED ACTIVATION OF SOMATOSENSORY CORTEX AS FMRI CORRELATE OF REDUCED DEXTERITY IN PD**
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- 95 **CLINICAL HALLMARKS AND EPIDEMIOLOGY OF STIFF PERSON SYNDROME IN TANZANIA**
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- 96 **CLINICALLY 'SLIGHT' BRADYKINESIA IS ACCURATELY DETECTED USING A NOVEL DEVICE THAT REQUIRES A ONE-MINUTE TEST PERIOD**
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- 97 **CHOREOATHETOSIS CAUSED BY GLYCAEMIC DECOMPENSATION IN PANCREATIC NEOPLASM**
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- 98 **WILSON'S DISEASE AND PSYCHIATRIC DISORDERS: IS THERE COMORBIDITY OR INDICATOR OF RELAPSE?**
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- 99 **PARKINSON'S DISEASE AND AUTONOMIC SYMPTOMS**
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- 100 **EFFECTIVENESS OF ACUPUNCTURE AND BEE VENOM ACUPUNCTURE IN IDIOPATHIC PARKINSON'S DISEASE**
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- 102 **A RARE CASE OF OSTEODURAL ARTERIOVENOUS FISTULAS WITH FOCAL HAND MYOCLONOUS PRESENTATION**
T. Worakijthamrongchai, *Thailand*
- 103 **USE OF A RESPIRATION SENSOR TO RECORD BLINK REFLEX TO GLABELLAR TAPPING IN PARKINSON DISEASE PATIENTS WITH MYERSON'S SIGN**
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- 104 **SPINAL INVOLVEMENT IN CEREBROTENDINOUS XANTHOMATOSIS**
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- 105 **INTERLEUKIN-6 AND FATIGUE SYNDROME IN PARKINSON'S DISEASE**
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- 106 **COMPASSIONATE USE OF DOXYCYCLINE IN GERSTMANN-STRAEUSSLER-SCHEINKER SYNDROME. CASE REPORT ON A DESCENDANT OF THE ORIGINAL FAMILY**
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- 107 **FACIAL MOVEMENT DISORDERS DUE TO POSTERIOR FOSSA LIPOMA: REPORT OF 3 CASES**
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- 108 **NON-MOTOR SYMPTOMS IN PATIENTS WITH EARLY STAGES OF PARKINSON'S DISEASE**
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- 109 **EVALUATION OF AN ARABIC VERSION OF THE NON-MOTOR SYMPTOMS SCALE IN PARKINSON DISEASE**
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- 111 **NIGELLA SATIVA OIL CONTROLS ASTROGLIOSIS, PARKINSONISM AND ORAL DYSKINESIA IN HALOPERIDOL-TREATED RATS**
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- 112 **EXCESSIVE DAYTIME SLEEPINESS IN PATIENTS WITH PARKINSON'S DISEASE**
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- 113 **MINDFULNESS IN PARKINSON'S DISEASE LEADS TO INCREASES IN GRAY MATTER DENSITY**
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- 114 **CLINICAL AND GENETIC ASPECTS OF TORSION DYSTONIA IN THE MOSCOW REGION**
K. Ostapchuk, O. Sidorova, V. Misikov, S. Kotov, *Russia*
- 115 **BEHAVIORAL IMPAIRMENT IN PARKINSON'S DISEASE IN THE SIBERIAN REGION**
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- 116 **FAHR'S SYNDROME: A TUNISIAN COHORT AND REVIEW OF THE LITERATURE**
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- 117 **IDEBENONE IN TREATMENT OF PATIENTS WITH HUNTINGTON'S CHOREA AND HEREDITARY MYOPATHY**
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- 118 **WHAT INFLUENCE MOST ON THE QUALITY OF SLEEP IN PARKINSON'S DISEASE PATIENTS?**
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- 120 **ANALYSIS PARAMETERS OF CEREBRAL MORPHOMETRY IN CEREBROVASCULAR AND PARKINSON'S DISEASES**
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- 121 **TREATMENT OF DIPHASIC DYSKINESIAS IN ADVANCED PARKINSON'S DISEASE WITH DUODOPA**
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- 122 **THE EFFECT OF DBS ON CORTICO-MUSCULAR COHERENCE IN ADVANCED PARKINSON'S DISEASE**
K. Airaksinen, J. Mäkelä, J. Nurminen, J. Luoma, S. Taulu, A. Ahonen, E. Pekkonen, *Finland*
- 123 **ANALYSIS OF ALPHA-SYNUCLEIN ALA53THR MUTANT: A COMPUTATIONAL APPROACH**
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- 124 **PURE ATAXIA ASSOCIATED WITH N-METHYL-D-ASPARTATE RECEPTOR ANTIBODIES**
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- 125 **ARE THERE ANY CORRELATIONS BETWEEN THE LENGTH OF "EPHEDRONE-ABUSE" AND SEVERITY OF DEPRESSION IN PATIENTS WITH "EPHEDRONE"-INDUCED PARKINSONISM**
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- 268 **INTERNAL JUGULER VEIN THROMBOSIS SECONDARY TO PULMONARY TUBERCULOSIS: A CASE OF LEMIERRE SYNDROME**
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- 287 **VENTRICULAR BIOPSY FOR EARLY DIAGNOSIS IN TUBERCULOUS MENINGITIS**
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- 294 **A CASE REPORT: 53-YEAR OLD FILIPINO WITH POLYNEUROPATHY, ORGANOMEGALY, ENDOCRINOPATHY, MONOCLONAL GAMMOPATHY, AND SKIN CHANGES (POEMS) OR CROW-FUKASE SYNDROME**
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- 295 **CLINICAL FEATURES AND OUTCOME OF ALS-LIKE DISORDERS: TWO YEARS FOLLOW-UP OF THREE CASES AND REVIEW OF THE LITERATURE**
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- 301 **CLINICAL CHARACTERISTICS IN ASSOCIATION WITH NEURODEGENERATIVE DISEASES AND CANCER**
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- 304 **ANALYSIS OF SPINA BIFIDA PREVALENCE IN BRAZIL IN THE PERIOD FROM 2001 TO 2010**
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- 309 **COMORBIDITIES AND MORTALITY ASSOCIATED WITH INTRACRANIAL BLEEDS AND ISCHAEMIC STROKE**
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- 385 **ANALYSIS OF SLEEP MICROSTRUCTURE IN PARKINSON'S DISEASE: A CASE-CONTROL STUDY**
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- 407 **NEUROMUSCULAR JUNCTION AUTOANTIBODIES IN SERONEGATIVE MYASTHENIA GRAVIS PATIENTS FROM SUDAN**
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- 410 **ATYPICAL LIQUOR-HYPOTENSION SYNDROMES**
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- 411 **DEMYELINATING INFLAMMATORY IDIOPATHIC DISEASES IN LATIN AMERICA - A STUDY OF PREVALENT CASES**
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- 412 **PRIMARY DURAL MALT LYMPHOMA MIMICKING A MENINGIOMA: A CASE REPORT**
I. Taïfas, A.C. Zeghoudi, Y.S. Cordoliani, C. Hubert, V. Sudacevschi, P. Pencalet, D. Concescu, F. Pico, *France*

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- 415 **CDP-CHOLINE (CERAXON) TREATMENT WITH HYPOXIA IN THE NEWBORN INFANT**
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- 416 **CLINICAL AND DIAGNOSTIC FEATURES OF MIGRAINE-EPILEPSY**
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- 417 **BOTULINUM-A TOXIN IN PEDIATRIC STIFF HIPS**
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