

Saturday, November 12, 2011

14:00-18:30

Hall D

TC51: Teaching Course*

NEUROLOGICAL DISORDERS IN SUB-SAHARAN AFRICA *(Free)*

Co-sponsored by IBRO, SONA and WFN

Chairpersons: **Charles Newton**, *Kenya*
Rajesh N. Kalaria, *UK*

SESSION I: COMMUNICABLE DISEASES IN SUB-SAHARAN AFRICA

14:00 **EPIDEMIOLOGY OF CNS INFECTIONS IN AFRICA**

Charles Newton, *Kenya*

14:15 **VIRAL INFECTIONS OF CNS IN AFRICA**

Macpherson Mallewa, *Malawi*

14:45 **MALARIA IN AFRICA**

Richard Idro, *Uganda*

15:15 **HUMAN AFRICAN TRYPANOSOMIASIS: MECHANISMS AND PATHOPHYSIOLOGY**

Marina Bentivoglio, *Italy*

15:45 *Coffee Break*

SESSION II: NON-COMMUNICABLE DISORDERS IN AFRICA

16:15 **EPIDEMIOLOGY OF NON-COMMUNICABLE NEUROLOGICAL CONDITIONS IN AFRICA**

Rajesh N. Kalaria, *UK*

16:30 **EPILEPSY IN AFRICA**

Alfred K. Njamnshi, *Cameroon*

17:00 **STROKE IN SUB-SAHARAN AFRICA**

Richard Walker, *UK*

17:30 **NEUROTOXICITY OR PARKINSON'S DISEASE IN AFRICA**

Desire Tshala-Katumbay, *USA*

Adesola Ogunniyi, *Nigeria*

18:00 **SUMMARY AND GENERAL DISCUSSION**

**Pre-registration required*

Saturday, November 12, 2011

14:30-18:00

Hall 1

TC44: Teaching Course*

ABC CARDINAL PRINCIPLES OF STROKE MANAGEMENT *(Free)*

An Educational Program of the World Stroke Organization

Chairpersons: **Michael Brainin**, *Austria*
Stephen M. Davis, *Australia*

14:30 **THE NUMBERS AND NEEDS OF STROKE EDUCATION IN NORTHERN AFRICA**

Mohammed Faouzi Belahsen, *Morocco*

15:00 **EARLY RECOGNITION AND DIAGNOSIS OF STROKE**

Stephen M. Davis, *Australia*

15:30 **MEDICAL TREATMENT OF STROKE**

Peter Sandercock, *UK*

16:00 *Coffee Break*

16:30 **PREVENTION OF COMPLICATIONS IN ACUTE STROKE**

Michael Brainin, *Austria*

17:00 **EARLY MOBILIZATION OF STROKE PATIENTS**

Bo Norrving, *Sweden*

17:30 **DISCUSSION**

**Pre-registration required*

Saturday, November 12, 2011

14:30-18:00

Hall I

TC01: Teaching Course*

TREATMENT OF EPILEPSY: AN UPDATE

Chairperson: **Antonio Gil-Nagel, Spain**

BENIGN FOCAL EPILEPSIES OF CHILDHOOD

Natalio Fejerman, Argentina

EPILEPSY AFTER TRAUMATIC BRAIN INJURY

Alla Guekht, Russia

EPILEPSY IN THE ELDERLY

Antonio Gil-Nagel, Spain

16:00-16:30 *Coffee Break*

**Pre-registration required*

14:30-18:00

Hall J

TC02: Teaching Course*

EEG VIDEO: CASE STUDIES IN EPILEPSY

Chairperson: **Jerome Engel, USA**

EEG-VIDEO MONITORING: AN INTERACTIVE SHOW-AND-TELL

Selim Benbadis, USA

Jerome Engel, USA

Fatiha Lahjouji, Morocco

16:00-16:30 *Coffee Break*

**Pre-registration required*

Saturday, November 12, 2011

14:30-18:00

Hall L

TC04: Teaching Course*

NEUROPATHIES

Chairperson: **Jean-Marc Léger, France**

GBS AND CIDP

Richard A.C. Hughes, UK

INHERITED NEUROPATHIES

Michael Shy, USA

PARAPROTEINEMIC NEUROPATHIES

Jean-Marc Léger, France

16:00-16:30 *Coffee Break*

**Pre-registration required*

14:30-18:00

Hall 3

WS01: Workshop*

AUTONOMIC FUNCTION TESTS

Chairpersons: **Heinz Lahrman, Austria**
Walter Struhal, Austria

14:30 **HISTORY TAKING AND SUDOMOTOR TESTING**

Heinz Lahrman, Austria

15:15 **CARDIOVASCULAR TESTING INCLUDING BEDSIDE TESTS**

Walter Struhal, Austria

16:00 *Coffee Break*

16:30 **MOROCCAN AUTONOMIC LAB: TESTS AND RESULTS**

Halima Benjelloun, Morocco

16:50 **CASE PRESENTATIONS AND HANDS-ON TRAINING**

Heinz Lahrman, Austria

Walter Struhal, Austria

Halima Benjelloun, Morocco

16:00-16:30 *Coffee Break*

**Pre-registration required*

Sunday, November 13, 2011

07:00-08:00

Hall D

TC27: Teaching Course*

DIAGNOSIS OF PSYCHOGENIC MOVEMENT DISORDERS (*Free*)

Chairperson: **Mark Hallett, USA**

DIAGNOSIS OF PSYCHOGENIC MOVEMENT DISORDERS
Mark Hallett, USA

**Pre-registration required*

08:00-09:00

Hall A

PLENARY LECTURES 1 & 2

Chairpersons: **Raad Shakir, UK**
Eduardo Tolosa, Spain

08:00 **KEY QUESTIONS IN EPILEPTOLOGY**
The Victor and Clara Soriano Award Lecture
Christian Elger, Germany

08:30 **FUTURE OF DBS IN NEUROLOGY AND PSYCHIATRY**
Alim L. Benabid, France

Sunday, November 13, 2011

09:00-10:30

Hall A

Main Topic / Topic:

CLINICAL ASPECTS OF EPILEPSY

Chairpersons: **Antonio Gil-Nagel**, *Spain*
Natalio Fejerman, *Argentina*

09:00 **ANALYSIS OF SEIZURE SEMIOLOGY**
Çigdem Ozkara, *Turkey*

09:30 **UNCOMMON EPILEPSY SYNDROMES: IS IT IMPORTANT TO IDENTIFY THEM?**
Antonio Gil-Nagel, *Spain*

10:00 **EARLY IDENTIFICATION OF SEVERE EPILEPSIES OF CHILDREN**
Natalio Fejerman, *Argentina*

10:30 *Coffee Break*

09:00-10:30

Hall B

Main Topic / Topic:

MOVEMENT DISORDERS: PARKINSON'S DISEASE REVISITED

Chairpersons: **Eduardo Tolosa**, *Spain*
Erik Ch. Wolters, *The Netherlands*

09:00 **PARKINSON'S DISEASE REVISITED**
Erik Ch. Wolters, *The Netherlands*

09:20 **GENETIC AND ENVIRONMENTAL CAUSES OF PARKINSON'S DISEASE**
Neziha Gouider-Khouja, *Tunisia*

09:40 **IMAGING OF MOTOR AND NON MOTOR SYMPTOMS**
David J. Brooks, *UK*

10:00 **MEDICAL MANAGEMENT OF PARKINSON'S DISEASE**
Olivier Rascol, *France*

10:20 **DISCUSSION**

10:30 *Coffee Break*

Sunday, November 13, 2011

09:00-10:30

Hall C

Main Topic / Topic:

NEUROCRITICAL CARE: SESSION I

Chairpersons: **Lutz Harms, Germany**
Steven Laureys, Belgium

09:00 **THE COMATOSE PATIENT - MANAGEMENT AND PITFALLS**
Daniel Hanley, USA

09:20 **THE HYPOXIC BRAIN AND RESIDUAL COGNITIVE FUNCTION**
Steven Laureys, Belgium

09:40 **NEUROMUSCULAR COMPLICATIONS OF INTENSIVE CARE**
Zohar Argov, Israel

10:00 **TREATMENT AND PROBLEMS OF MYASTHENIC CRISIS**
Lutz Harms, Germany

10:20 **DISCUSSION**

10:30 *Coffee Break*

09:00-10:30

Hall D

Main Topic / Topic:

APHASIA

Chairpersons: **Argye E. Hillis, USA**
Facundo Manès, Argentina

09:00 **AGRAPHIA**
Jean-François Démonet, Switzerland

09:30 **TREATMENT OF POST-STROKE APHASIA**
Abhishek Srivastava, India

10:00 **THE IMPORTANCE OF LANGUAGE AND CULTURE FOR APHASIA
DIAGNOSIS AND TREATMENT**
Thomas Bak, UK

10:30 *Coffee Break*

Sunday, November 13, 2011

09:00-10:30

Hall 1

Main Topic / Topic:

BRAIN TRAUMA

Chairpersons: **Abdeslam El Khamlichi**, *Morocco*
Ramon Diaz-Arrastia, *USA*

- 09:00 **TRAUMATIC BRAIN INJURY: A WORLDWIDE EPIDEMIC WITH EMPHASIS IN AFRICA**
Abdeslam El Khamlichi, *Morocco*
- 09:20 **NOVEL MRI METHODS FOR ASSESSMENT OF TRAUMATIC BRAIN INJURY**
Pieter E. Vos, *The Netherlands*
- 09:40 **NEURO-ENDOCRINE DISORDERS AFTER TRAUMATIC BRAIN INJURY**
Ramon Diaz-Arrastia, *USA*
- 10:00 **CHRONIC TRAUMATIC ENCEPHALOPATHY: A PREVENTABLE CAUSE OF DEMENTIA**
Barry Jordan, *USA*
- 10:20 **DISCUSSION**
- 10:30 *Coffee Break*

Sunday, November 13, 2011

09:00-10:30

Hall F

Free Papers 1: ISCHEMIC STROKE

Chairperson: **Ming Liu**, *China*

- 09:00 **ISCHEMIC STROKE IN MOROCCO - A RETROSPECTIVE STUDY OF 1328 CASES**
Meriem Rhissassi, N. Chtaou, O. Messouak, F. Belahsen, *Morocco*
- 09:15 **TRENDS IN CHARACTERISTICS, ETIOLOGY AND OUTCOME OF ISCHEMIC STROKE IN A CHINESE HOSPITAL-BASED STROKE STUDY**
Sen Lin, B. Wu, W. Tao, Z. Hao, D. Wang, M. Liu, *China*
- 09:30 **CHANGE IN STROKE INCIDENCE AND CASE-FATALITY IN PORTUGAL, FROM 1999 TO 2010: PRELIMINARY RESULTS**
Manuel Correia, C. Quintas, R. Magalhães, M.R. Silva, I. Matos, R. Felgueiras, R. Loureiro, A. Veiga, M.C. Silva, *Portugal*
- 09:45 **PREVALENCE OF STROKE SURVIVORS IN MOROCCO: THE RABAT-CASABLANCA STUDY**
Saadia Aidi, M. El Alaoui Faris, M. Yahyaoui, I. Slassi, The Stroke MRCG Study Group, *Morocco*
- 10:00 **HEMISPHERE-SPECIFIC CORRELATIONS BETWEEN ISCHEMIC STROKE SEVERITY AND AUTONOMIC DYSFUNCTION**
Sebastian Moeller, J. Koehn, A. Akhundova, P. DeFina, H. Marthol, S. Schwab, M.J. Hilz, *Germany*
- 10:15 **PROTECTIVE AND ANTI-AGING EFFECTS OF 17B ESTRADIOL ON ALTERED AGE RELATED NEURONAL PARAMETERS IN FEMALE RAT BRAIN**
Pardeep Kumar, R.K. Kale, N.Z. Baquer, *India*

Sunday, November 13, 2011

09:00-10:30

Hall G

Free Papers 2: STROKE

Chairperson: **Ayrton R. Massaro**, *Brazil*

- 09:00 **NEUROIMAGINGS IN TIA HERALD A CHANGE IN ITS DEFINITION**
Cheryl Carcel, R. Alvarez, *Philippines*
- 09:15 **CEREBRAL VENOUS THROMBOSIS IN BEHÇET'S DISEASE - ABOUT 24 CASES**
J. Oumerzouk, **Yahya Hssaini**, A. Semlali, A. Jouehari, A. Bourazza,
Morocco
- 09:30 **EFFECT OF ASPIRIN PLUS CILOSTAZOL VERSUS CLOPIDOGREL ON PLATELET AGGREGATION, BLEEDING TIME AND CEREBRAL BLOOD FLOW AFTER ACUTE ISCHEMIC STROKE**
Si Baek Lee, J. Koo, J.-S. Kim, K.-S. Lee, Y.-I. Kim, Y.-A. Chung,
Republic of Korea
- 09:45 **METABOLIC SYNDROME IS STRONGLY ASSOCIATED WITH ISCHEMIC STROKE AND ASYMPTOMATIC CAROTID DISEASE IN NON-DIABETICS**
Milija Mijajlovic, A. Jotic, N. Lalic, N. Sternic, *Serbia*
- 10:00 **IMPACT OF FACTOR VIII AND VON WILLBRAND FACTOR PLASMA LEVELS CEREBRAL VENOUS AND SINUS THROMBOSIS: ARE INDEPENDENT RISK FACTORS?**
Mohammad Saadatnia, T. Shahsavarzadeh, S. Javanmard, *Iran*
- 10:15 **CEREBRAL VENOUS SINUS THROMBOSIS IN SAUDI ARABIA**
Hussein Abdulrahman Algahtani, *Saudi Arabia*

Sunday, November 13, 2011

09:00-10:30

Hall H

Free Papers 3: STROKE

Chairpersons: **Christian Stapf**, *France*
Wei Dong, *China*

- 09:00 **THE ROLE OF COMPUTED TOMOGRAPHY ANGIOGRAPHY (CTA) VERSUS CT PERFUSION (CTP) IN PREDICTION OF OUTCOME AFTER IV RT-PA ADMINISTRATION**
Nobl Barazangi, S. Chen, J. Rose, A. Bedenk, D. Tong, *USA*
- 09:15 **MECHANICAL THROMBECTOMY IN INTRACRANIAL VENOUS THROMBOSIS USING A NOVEL DEVICE**
Rahul Kumar, P.V. Meenakshi, S. Shah, M. Vivekananda, P. Shetty, P.T. Acharya, R. Srinivasa, *India*
- 09:30 **DOES ANTITHROMBOTIC THERAPY INCREASE THE FREQUENCY OF HEMORRHAGE FROM CEREBRAL CAVERNOUS MALFORMATIONS?**
Christian Stapf, D. Hervé, D. Bresson, J.-P. Guichard, C. Tzourio, H. Chabriat, H.-M. Schneble, *France*
- 09:45 **OUTCOME OF PATIENTS WITH INTRACEREBRAL HEMORRHAGE IN BRAZZAVILLE**
Paul Macaire Ossou-Nguet, G.F. Otiobanda, B. Ndamba-Bandzouzi, K.C. Mahoungou-Guimbi, B.F. Ellenga-Mbolla, E. Matali, *Congo*
- 10:00 **SURGERY VERSUS CONSERVATIVE TREATMENT IN INTRACEREBRAL HEAMORRHAGE (ICH): A PROSPECTIVE COHORT STUDY**
Wei Dong, J. Li, Q. Li, H.-Q. Zhou, X.-Q. Jiang, H.-L. Yang, B. B, W.-K. Liu, H. Li, C. You, M. Liu, *China*
- 10:15 **INDIVIDUAL-FINGER-SYNCHRONIZED-ROBOT-ASSISTED HAND REHABILITATION IN SUB-ACUTE TO CHRONIC STROKE; A PROSPECTIVE RANDOMIZED CLINICAL TRIAL OF EFFICACY**
Chang Ho Hwang, *Republic of Korea*

Sunday, November 13, 2011

09:00-12:30

Hall I

TC14: Teaching Course*

MOTOR NEURON DISEASES

Chairperson: **Gen Sobue, Japan**

09:00 **ELECTROPHYSIOLOGICAL DIAGNOSIS OF ALS**
Ryuji Kaji, Japan

09:45 **FTD AND ALS - PAST, PRESENT AND FUTURE**
Albert Ludolph, Germany

10:30 *Coffee Break*

11:00 **MOTOR NEURON DISEASE: PATHOGENESIS AND THERAPEUTIC APPROACH**
Gen Sobue, Japan

11:45 **QUESTION AND DISCUSSION**

**Pre-registration required*

09:00-12:30

Hall J

TC13: Teaching Course*

NEUROLOGY AND INTERNAL MEDICINE

Chairperson: **Aksel Siva, Turkey**

THE NEUROLOGY OF TUBERCULOSIS AND SARCOIDOSIS
Zohair Kawi, Saudi Arabia

INVOLVEMENT OF THE CENTRAL NERVOUS SYSTEM IN SYSTEMIC VASCULITIDIES AND COLLAGEN-VASCULAR DISEASES
Aksel Siva, Turkey

INVOLVEMENT OF THE PERIPHERAL NERVOUS SYSTEM AND NEUROMUSCULAR JUNCTION/MUSCLE IN SYSTEMIC VASCULITIDIES AND COLLAGEN-VASCULAR DISEASES
Robert Lisak, USA

10:30-11:00 *Coffee Break*

**Pre-registration required*

Sunday, November 13, 2011

09:00-12:30

Hall K

TC08: Teaching Course*

INFECTION 1

Chairperson: **Erich Schmutzhard, Austria**

BACTERIAL MENINGITIS

Erich Schmutzhard, Austria

VIRAL ENCEPHALITIS

Uta Meyding-Lamadé, Germany

NEWLY EMERGING VIRAL INFECTIONS

Richard T. Johnson, USA

10:30-11:00 *Coffee Break*

**Pre-registration required*

09:00-12:30

Hall L

TC09: Teaching Course*

INFECTION 2

Chairperson: **Alan C. Jackson, Canada**

HCV NEUROTROPISM AND NEUROVIRULENCE

Christopher Power, Canada

NEUROLOGICAL MANIFESTATIONS OF FALCIPARUM MALARIA

Charles Newton, Kenya

EMERGING ENCEPHALITIS

Alan C. Jackson, Canada

10:30-11:00 *Coffee Break*

**Pre-registration required*

Sunday, November 13, 2011

09:00-18:00

Hall 2

TC32: Teaching Course*

ADVOCACY-AAN LEADERSHIP

Chairperson: **Mohammed Wasay, Pakistan**

09:00 **OPENING REMARKS AND FACULTY INTRODUCTIONS**

Mohammed Wasay, Pakistan

09:15 **WHAT IS ADVOCACY, WHY IS IT IMPORTANT?**

Man Mohan Mehndiratta, India

09:45 **TOPIC IDENTIFICATION BREAKOUTS**

Melissa Showers, USA

10:30 *Coffee Break*

11:00 **BASIC PRINCIPLES OF ACTION PLANNING**

Mohammed Wasay, Pakistan

11:30 **LOCATING AND USING ADVOCACY RESOURCES**

Wolfgang Grisold, Austria

12:00 **LEGISLATIVE TRAINING**

Melissa Showers, USA

12:30 *Lunch Break*

13:00 **COMMUNICATIONS AND MEDIA, DEVELOPING YOUR MESSAGE**

Walter Struhal, Austria

14:00 **FINALIZING YOUR ACTION PLAN**

Apoorva Pauranik, India

14:30 *Coffee Break*

15:00 **PRESENTING YOUR ACTION PLAN AND SOUND BITE**

Faculty

**Pre-registration required*

Sunday, November 13, 2011

09:00-12:30

Hall 3

TC10: Teaching Course*

NEUREPIDEMIOLOGY

Chairperson: **Gustavo Roman, USA**

09:00 **INTRODUCTION TO STUDY DESIGN IN NEUROLOGY, PART 1**
Walter Rocca, USA

09:45 **INTRODUCTION TO STUDY DESIGN IN NEUROLOGY, PART 2**
Walter Rocca, USA

10:30 *Coffee Break*

11:00 **STROKE EPIDEMIOLOGY IN DEVELOPING COUNTRIES**
Gustavo Roman, USA

11:45 **EPIDEMIOLOGY OF NEUROHIV IN AFRICA**
Yomi Ogun, Nigeria

**Pre-registration required*

Sunday, November 13, 2011

11:00-12:30

Hall A

Main Topic / Topic:

DIAGNOSIS OF EPILEPSY

Chairpersons: **Christian Elger**, *Germany*
Selim Benbadis, *USA*

- 11:00 **APPLICATIONS OF ROUTINE AND PROLONGED EEG-VIDEO MONITORING**
Selim Benbadis, *USA*
- 11:20 **HOW TO OPTIMIZE BRAIN IMAGING**
John Duncan, *UK*
- 11:40 **DIAGNOSIS OF EPILEPSY BASED ON GENETIC TESTING: WHERE ARE THE LIMITS?**
Michael R. Johnson, *UK*
- 12:00 **CHRONIC EPILEPSY AND COGNITION**
Christian Elgar, *Germany*
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

11:00-12:30

Hall B

Main Topic / Topic:

THE MANY FACES OF PARKINSON'S DISEASE

Chairpersons: **Erik Ch. Wolters**, *The Netherlands*
Murat Emre, *Turkey*

- 11:00 **CLINICAL HETEROGENEITY AND SUBTYPES**
Eduardo Tolosa, *Spain*
- 11:20 **PARKINSON'S DISEASE-RELATED DEPRESSION AND APATHY**
Paolo Barone, *Italy*
- 11:40 **BEHAVIOURAL ABNORMALITIES IN PD**
Valerie Voon, *USA*
- 12:00 **COGNITIVE CHANGES AND DEMENTIA IN PARKINSON'S DISEASE**
Murat Emre, *Turkey*
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

Sunday, November 13, 2011

11:00-12:30

Hall C

Main Topic / Topic:

NEUROCRITICAL CARE: SESSION II

Chairpersons: **Stefan Schwab**, *Germany*
Mohammed Faouzi Belahsen, *Morocco*

- 11:00 **STROKE AND NEUROCRITICAL CARE**
Stefan Schwab, *Germany*
- 11:20 **SINUS VENOUS THROMBOSIS- WHAT IS EVIDENCE BASED?**
Mohammed Faouzi Belahsen, *Morocco*
- 11:40 **TREATMENT AND PROGNOSIS OF REFRACTORY STATUS
EPILEPTICUS**
Shih-Hui Lim, *Singapore*
- 12:00 **THE ROLE OF SALT IN TRAUMATIC BRAIN INJURY RESUSCITATION**
Mahammed Shamsah, *Kuwait*
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

11:00-12:30

Hall D

Main Topic / Topic:

NEUROPSYCHOLOGY

Chairpersons: **Jean-François Démonet**, *Switzerland*
Masud Husain, *UK*

- 11:00 **NEGLECT**
Argye E. Hillis, *USA*
- 11:20 **CONSCIOUSNESS**
Steven Laureys, *Belgium*
- 11:40 **EXECUTIVE FUNCTIONS AND TRAUMA**
Facundo Manès, *Argentina*
- 12:00 **ATTENTION/VISUAL PERCEPTION**
Masud Husain, *UK*
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

Sunday, November 13, 2011

11:00-12:30

Hall 1

Main Topic / Topic:

NEUROPLASTICITY AND REGENERATION

Chairpersons: **Matthias Endres**, *Germany*
K. Fujihara, *Japan*

11:00 **NEUROPROTECTION AFTER CEREBRAL ISCHEMIA**
Anna Planas, Spain

11:30 **NEURAL REMODELING AND REGENERATION AFTER CEREBRAL ISCHEMIA**
Matthias Endres, *Germany*

12:00 **NEUROPLASTICITY OF MULTIPLE SCLEROSIS**
Kazuo Fujihara, *Japan*

12:30 *Lunch Break*

Sunday, November 13, 2011

11:00-12:30

Hall F

Free Papers 4: STROKE

Chairperson: **Gabrielle deVeber**, *Canada*

- 11:00 **SUBCATEGORIZING THE MINIMALLY CONSCIOUS STATE BASED ON CEREBRAL METABOLISM PET STUDIES**
Marie-Aurélie Bruno, A. Thibaut, A. Vanhauzenhuyse, M. Boly, O. Gosseries, C. Schnakers, P. Boveroux, M. Kirsch, S. Laureys, *Belgium*
- 11:15 **STROKE PATIENTS AND ALTERNATIVE MEDICINE TREATMENTS IN INDIA (SPAM STUDY)**
Jeyaraj Durai Pandian, P.N. Sylaja, G. Toor, R. Arora, P. Kaur, R.S. Bhullar, *India*
- 11:30 **THE IMPACT OF ANEMIA FOLLOWING STROKE: CLINICAL, LABORATORY AND RADIOLOGICAL DATA FROM THE OBSERVATIONAL STUDY STRAIGHT**
Julian Bösel, L. Kellert, E. Martin, P. Gussmann, C. Herweh, H. Bauer, M. Sykora, P. Ringleb, T. Steiner, W. Hacke, *Germany*
- 11:45 **ASSESSMENT OF THE HEMODIALYSIS IMPACT ON BRAIN TISSUE USING BOLD-FMRI**
Rachida Belaich, M. Kabyr, F. Batta, M. Errasfa, A. Hosni, F. Belahsen, S. Tizniti, S. Boujraf, T. Skalli, *Morocco*
- 12:00 **POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME IN PREGNANT WOMEN AND ITS DIFFERENTIATION ON MRI**
Ildar Khasanov, E. Bogdanov, *Russia*
- 12:15 **ESTIMATED 10-YEAR PROBABILITY OF STROKE IN MEDICAL OUTPATIENTS IN SOUTH EAST NIGERIA - A CROSS SECTIONAL STUDY**
Adikaibe Birinus Ezeala-Adikaibe, M. Ndidi, M. Nwobodo, *Nigeria*
- 12:30 *Lunch Break*

Sunday, November 13, 2011

11:00-12:30

Hall G

Free Papers 5: STROKE

Chairperson: **Pedro Lylyk**, *Argentina*

- 11:00 **IS THERE ANY DIFFERENCE BETWEEN LEFT NEGLECT AND RIGHT NEGLECT?**
Kunio Takahashi, S. Yamagishi, T. Shirakawa, C. Nagayama, N. Matsumoto, W. Takahashi, K. Takahashi, *Japan*
- 11:15 **PREVALENCE OF INTRACRANIAL ATHEROSCLEROTIC DISEASE COEXISTING WITH EXTRACRANIAL ATHEROSCLEROSIS IN THE NORTH INDIAN POPULATION**
Dheeraj Khurana, J. Mathews, V. Gupta, S. Prabhakar, *India*
- 11:30 **PARADIGM SHIFT IN THE TREATMENT OF ANEURYSMS WITH FLOW DIVERTER AT 5 YEARS FOLLOW-UP**
Pedro Lylyk, J. Lundquist, R. Ceratto, A. Ferrario, E. Scrivano, R. Nella, C. Bleise, *Argentina*
- 11:45 **INITIAL EXPERIENCE WITH SURPASS FLOW DIVERTER FOR INTRACRANIAL ANEURYSMS**
Pedro Lylyk, R. Ceratto, A. Ferrario, J. Lundquist, E. Scrivano, R. Nella, C. Bleise, *Argentina*
- 12:00 **THE ENERI INITIAL EXPERIENCE WITH WOVEN ENDOBRIDGE DEVICE (WEB)**
P. Lylyk, R. Ceratto, A. Ferrario, **Javier Lundquist**, E. Scrivano, R. Nella, J. Chudyk, R. Bleise, *Argentina*
- 12:15 **CORONARY ARTERY DISEASE IN PATIENTS WITH STROKE - A PROSPECTIVE OBSERVATIONAL STUDY**
Rohit Bhatia, K. Garg, G. Sharma, C. Patel, K. Prasad, M.V. Padma, M. Tripathi, M.B. Singh, *India*
- 12:30 *Lunch Break*

Sunday, November 13, 2011

11:00-12:30

Hall H

Free Papers 6: STROKE AND MISCELLANEOUS

Chairperson: **Chahnez Triki**, *Tunisia*

- 11:00 **EVOLUTION OF NEURO-COGNITIVE, NEURO-AFFECTIVE, AND SUBJECTIVE PERCEPTION OF FUNCTIONING FOLLOWING CAROTID ENDARTERECTOMY**
Cristina Balut, A. Dumbrava, G. Tinica, V. Cepoi, *Romania*
- 11:15 **THE NUMBER OF MICROEMBOLIC SIGNALS (MES) IS ASSOCIATED WITH ATHEROSCLEROTIC PLAQUE FEATURES ON MRI**
Martine Theodora Benedicte Truijman, M.E. Kooi, R.M. Kwee, B.D. van Rooijen, A.G.H. Kessels, A.G.G.C. Korten, B.J. Meems, N.P. van Orshoven, T. Schreuder, R.J. van Oostenbrugge, J.E. Wildberger, W.H. Mess, *The Netherlands*
- 11:30 **EFFECTIVENESS OF ORAL HYDROXOCOBALAMIN IN TREATMENT OF VITAMIN B12 DEFICIENCY WITH NEUROLOGICAL MANIFESTATIONS: PRELIMINARY RESULTS**
Mouna Loukili, Z. Souirti, Y. Khabal, R. Belfkih, A. Midaoui, O. Messouak, F. Belahsen, *Morocco*
- 11:45 **DIAGNOSTIC APPROACH TO MITOCHONDRIOPATHIES IN TUNISIA**
I. Kraoua, F.K. Kacem, H. Benrhouma, S. Zekri, J. Yacoubi, I. Marouani, A. Rouissi, I. Turki, M.H. Jaafoura, **Neziha Gouider-Khouja**, *Tunisia*
- 12:00 **METAGENOMICS AT THE INTERFACE BETWEEN HEALTH AND NEURODEGENERATION**
M.-C. Yandju, **Desire Tshala-Katumbay**, *Congo, USA*
- 12:15 **TOXIC EXTRA PYRAMIDAL SYNDROMES IN SOUTH MOROCCO EPIDEMIOLOGICAL, CLINICAL, TOXICOLOGICAL AND HISTOLOGICAL STUDIES**
Najib Kissani, Y. Mebrouk, N. Louhab, A. Ghanima, O. Boudrar, A. Boularbah, *Morocco*
- 12:30 *Lunch Break*

Sunday, November 13, 2011

14:30-16:00

Hall A

Main Topic / Topic:

EPILEPSY IN DEVELOPING COUNTRIES

Chairpersons: **Reda Ouazzani, Morocco**
Hassan S. Hosny, Egypt

14:30 **EPIDEMIOLOGY OF EPILEPSY IN DEVELOPING COUNTRIES**
Nadir Bharucha, India

14:50 **REACHING OUT TO EVERYONE THE EPILEPSY CLINICS**
Amadou Gallo Diop, Senegal

15:10 **SELECTION OF ANTI-EPILEPTIC DRUGS: FROM GUIDELINES TO CLINICAL PRACTICE**
Hassan S. Hosny, Egypt

15:30 **SURGERY FOR EPILEPSY IN DEVELOPING COUNTRIES**
Reda Ouazzani, Morocco

15:50 **DISCUSSION**

16:00 *Coffee Break*

14:30-16:00

Hall B

Main Topic / Topic:

MANAGEMENT ISSUES IN PARKINSON'S DISEASE

Chairpersons: **Francisco Cardoso, Brazil**
Werner Poewe, Austria

14:30 **EMERGENCIES IN PARKINSON'S DISEASE**
Francisco Cardoso, Brazil

14:50 **MEDICAL MANAGEMENT OF MOTOR DISTURBANCES**
Werner Poewe, Austria

15:10 **INTRAOPERATIVE RECORDING IN PARKINSON'S DISEASE SURGERY**
Abdelhamid Benazzouz, France

15:30 **SURGICAL TREATMENT IN PARKINSON'S DISEASE**
Alim Louis Benabid, France

15:50 **DISCUSSION**

16:00 *Coffee Break*

Sunday, November 13, 2011

14:30-16:00

Hall C

Main Topic / Topic:

EVIDENCE BASED NEUROREHABILITATION

Chairpersons: **Ragnar Stien, Norway**
Volker Hömberg, Germany

14:30 **NEURO-REHABILITATION: EVIDENCE BASED MEDICINE OR
INVALIDATED METHOD**

Ragnar Stien, Norway

15:00 **EVIDENCE BASED NEUROREHABILITATION**

Bruce Dobkin, USA

15:30 **EVIDENCE BASED VS INDIVIDUALIZED TREATMENT CONCEPTS IN
MOTOR NEURO-REHABILITATION**

Volker Hömberg, Germany

16:00 *Coffee Break*

14:30-16:00

Hall D

Main Topic / Topic:

NEUROEPIDEMIOLOGY

Chairpersons: **Mandaville Gourie-Devi, India**
Carlos Ketzoian, Uruguay

14:30 **INTRODUCTION**

Gustavo Roman, USA

14:40 **RISK AND PROTECTIVE FACTORS FOR PARKINSON'S DISEASE**

Walter Rocca, USA

15:00 **NEUROEPIDEMIOLOGY OF DEMYELINATING DISEASES IN LATIN
AMERICAN COUNTRIES**

Regina Maria Papais Alvarenga, Brazil

15:20 **PREVALENCE AND PATTERN OF NEUROLOGICAL DISORDERS IN
INDIA: COMMUNITY BASED SURVEYS**

Mandaville Gourie-Devi, India

15:40 **DISCUSSION**

16:00 *Coffee Break*

Sunday, November 13, 2011

14:30-16:00

Hall 1

Regional Session:

PAANS

Chairpersons: **Alfred K. Njamnshi**, *Cameroon*
Adesola Ogunniyi, *Nigeria*

14:30 **THE CHALLENGES OF THE NEUROLOGICAL SCIENCES IN AFRICA:
THE WAY FORWARD**

Adesola Ogunniyi, *Nigeria*

14:50 **NEUROSURGERY IN AFRICA IN THE 21ST CENTURY**

Gilbert Dechambenoit, *France*

15:10 **NEUROLOGY IN AFRICA IN THE 21ST CENTURY**

Charles Newton, *Kenya*

15:30 **A NEW DAWN FOR NEUROLOGY IN AFRICA: WITH AFRICA, FOR THE
WORLD**

Alfred K. Njamnshi, *Cameroon*

15:50 **DISCUSSION**

16:00 *Coffee Break*

14:30-18:00

Hall F

TC05: Teaching Course*

MUSCLE DISEASES

Chairperson: **Ichizo Nishino**, *Japan*

CLINICAL FEATURES

Zohar Argov, *Israel*

PATHOLOGICAL FEATURES

Ichizo Nishino, *Japan*

MANAGEMENT AND TREATMENT FOR MUSCLE DISEASE

Antonio Toscano, *Italy*

16:00-16:30 *Coffee Break*

**Pre-registration required*

Sunday, November 13, 2011

14:30-16:00

Hall G

Free Papers 7: NEUROGENETICS

Chairperson: **M'hammed Aguenouz**, *Italy*

- 14:30 **ADHESION MOLECULES AND GABA RECEPTORS ACTIVITY IN AN ANIMAL MODEL OF STURGE-WEBER SYNDROME**
Dmitriy Labunskiy, V. Poleshchuk, T. Fedotova, *USA, Russia*
- 14:45 **IDENTIFICATION OF FUS/TLS GENE MUTATIONS OF AMYOTROPHIC LATERAL SCLEROSIS WITHIN A CHINESE COHORT**
Zhang-Yu Zou, Y. Peng, X.-H. Feng, X.-N. Wang, M.-S. Liu, X.-G. Li, L.-Y. Cui, *China*
- 15:00 **COMBINATION OF POSITIONAL CLONING AND NEW GENERATION SEQUENCING IDENTIFIES 3 NOVEL AND FUNCTIONALLY RELATED GENES IN SPASTIC PARAPLEGIA**
Giovanni Stevanin, C. Tesson, M. Nawara, M.A.M. Salih, M. Zaki, E. Mundwiller, M. Al Balwi, A. Boukhris, A. Bouhouche, E. Martin, A. Al Drees, S.A. Elmalik, M.M. Kabiraj, M.Z. Seidahmed, A. Alswaid, N. Bouslam, L. Orlando, F. Mochel, A. Rastetter, A. Durr, I. Al Abdulkareem, M.T. Al Rifai, F.M. Santorelli, A. Benomar, S.A. Al Rasheed, C. Mhiri, J. Gleeson, F. Darios, A. Brice, *France*
- 15:15 **CLINICAL COMPARISON BETWEEN AVED PATIENTS WITH 744 DELA MUTATION AND FRIEDREICH ATAXIA WITH GAA EXPANSION IN 44 MOROCCAN FAMILIES**
Ali Benomar, F. Imounan, N. Bouslam, W. Regragui, E.H. Aitbenhaddou, A. Bouhouche, M. Yahyaoui, Neurogenetics Research Group, *Morocco*
- 15:30 **LIMB-GIRDLE MUSCULAR DYSTROPHY TYPE 1F: NEW PATHOGENETIC MECHANISM**
Corrado Angelini, M. Fanin, E. Peterle, G. Cenacchi, *Italy*
- 15:45 **HUMAN SPINAL MUSCULAR ATROPHY-INDUCED PLURIPOTENT STEM CELLS, FREE OF VECTOR AND TRANSGENIC SEQUENCES AS A MODEL AND FOR THERAPY**
S. Corti, M. Nizzardo, C. Simone, M. Falcone, M. Nardini, D. Ronchi, C. Donadoni, S. Salani, G. Riboldi, G. Menozzi, C. Bonaglia, G. Comi, **Nereo Bresolin**, *Italy*

Sunday, November 13, 2011

14:30-16:00

Hall H

Free Papers 8: NEUROONCOLOGY

Chairperson: **Brent Harris, USA**

- 14:30 **CYTOREGULATORY THERAPY OF BRAIN GLIAL TUMORS**
Andrey Bryukhovetskiy, I. Bryukhovetskiy, Russia
- 14:45 **AUTOIMMUNE PARANEOPLASTIC NEUROLOGICAL SYNDROMES -
REVIEW OF PATIENTS´ COHORT FOCUSING ON RARE ATYPICAL
CASES**
**Pavel Stourac, J. Bednarova, P. Praksova, I. Kontrova, M. Hladikova,
Czech Republic**
- 15:00 **BRAIN METASTASES FROM A LUNG CANCER PRIMARY:
EPIDEMIOLOGY AND MANAGEMENT PRACTICES AT A MAJOR
CANCER CENTER**
Dima Suki, A.L. Salaskar, S. Chowdhury, R. Sawaya, USA
- 15:15 **BRAIN RADIONECROSIS AFTER IRRADIATION FOR
NASOPHARYNGEAL CARCINOMA**
**Jamal Mounach, A. Satté, A. Zerhouni, Y. Ouahmane, A. Bourazza,
H. Ouhabi, Morocco**
- 15:30 **FLUORESCENCE GUIDED RESECTION OF CNS TUMORS AND EX VIVO
QUANTIFICATION OF GADOLINIUM AND THE FLUORESCENT MARKER
PROTOPORPHYRIN IX**
**Brent T Harris, P.A. Valdes, Z. Moses, A. Kim, C.J. Belden, B.C. Wilson,
K.D. Paulsen, D.W. Roberts, USA**

Sunday, November 13, 2011

14:30-18:00

Hall J

TC12: Teaching Course*

INTERVENTIONAL RADIOLOGY

Chairperson: **Randall T. Higashida, USA**

**GIANTS AND COMPLEX BRAIN ANEURYSMS TREATED BY FLOW
DIVERSION, FROM THE CONCEPT- 5 YEARS OF FOLLOW UP**

Pedro Lylyk, Argentina

**ENDOVASCULAR APPROACH & TECHNIQUES FOR CAROTID &
INTRACRANIAL STENTING**

Randall T. Higashida, USA

MANAGEMENT OF CEREBRAL ARTERIOVENOUS MALFORMATIONS

Rachid El Hassani, Morocco

16:00-16:30 *Coffee Break*

**Pre-registration required*

Sunday, November 13, 2011

14:30-18:00

Hall K

TC07: Teaching Course*

ANTIBODIES IN NEUROIMMUNE DISEASES

Chairperson: **Angela Vincent, UK**

14:30 **PART I: HISTORICAL - ANTIBODIES TO NEURONAL AND MUSCLE ANTIGENS IN NEUROLOGICAL DISEASES**

ANTIBODIES IN MG AND LEMS, MENTION NEUROMYOTONIA

Angela Vincent, UK

MOVING CENTRALLY - VGKC AND GAD

Sean Pittock, USA

PARANEOPLASTIC STORY

Josep Dalmau, USA

16:00 *Coffee Break*

16:30 **PART II: CURRENT - ANTIBODIES INVOLVED IN DIFFERENT FORMS OF ENCEPHALITIS AND INFLAMMATORY CNS DISEASE**

NMDAR ENCEPHALITIS

Josep Dalmau, USA

VGKC-COMPLEX ANTIGENS AND GLYR IN ENCEPHALITIS

Angela Vincent, UK

NMO AND OTHER DEMYELINATING DISEASES

Sean Pittock, USA

**Pre-registration required*

Sunday, November 13, 2011

14:30-18:00

Hall L

TC06: Teaching Course*

STROKE

Chairpersons: **José M. Ferro**, *Portugal*
Ka Sing Lawrence Wong, *Hong Kong S.A.R.*

14:30 **PART I**

INTRACRANIAL ATHEROSCLEROSIS

Ka Sing Lawrence Wong, *Hong Kong S.A.R.*

NEUROVASCULAR TREATMENT FOR ACUTE STROKE

Antoni Dávalos, *Spain*

TREATMENT OF SYMPTOMATIC CAROTID STENOSIS

Werner Hacke, *Germany*

16:00 *Coffee Break*

16:30 **PART II**

ORGANIZATION OF ACUTE STROKE CARE

Stephen M. Davis, *Australia*

PREVENTION OF CARDIOEMBOLIC STROKE

José M. Ferro, *Portugal*

THROMBOLYSIS IN ACUTE ISCHEMIC STROKE

Nils Wahlgren, *Sweden*

**Pre-registration required*

Sunday, November 13, 2011

14:30-18:00

Hall 2

TC15: Teaching Course*
STROKE WORLDWIDE

Chairpersons: **Bo Norrving**, *Sweden*
Jerayaj Durai Pandian, *India*

PART I

14:30 **THE GLOBAL BURDEN OF STROKE AND DISABILITIES**
Bo Norrving, *Sweden*

15:15 **CHARACTERISTICS OF STROKE IN CHINA**
Ming Liu, *China*

16:00 *Coffee Break*

PART II

16:30 **CAUSES OF STROKE IN INDIA**
Jerayaj Durai Pandian, *India*

17:15 **SETTING UP ACUTE STROKE CARE**
Michael Brainin, *Austria*

**Pre-registration required*

Sunday, November 13, 2011

16:30-18:00

Hall A

Main Topic / Topic:

CONTEMPORARY TREATMENT OF EPILEPSY

Chairpersons: **Jerome Engel, USA**
Andres M. Kanner, USA

16:30 **WHEN TO START ANTIEPILEPTIC TREATMENT**
Alla Guekht, Russia

16:50 **TREATING DIFFICULT TO TREAT EPILEPSY**
Samuel Wiebe, Canada

17:10 **EPILEPSY SURGERY: THE RIGHT TECHNIQUE FOR THE RIGHT PATIENT**
Jerome Engel, USA

17:30 **RECOGNIZING AND TREATING DEPRESSION**
Andres M. Kanner, USA

17:50 **DISCUSSION**

16:30-18:00

Hall B

Main Topic / Topic:

MOVEMENT DISORDERS (A video supported session)

Chairpersons: **Günther Deuschl, Germany**
Saeed Bohlega, Saudi Arabia

16:30 **ATYPICAL PARKINSONISMS**
Gen Sobue, Japan

16:50 **DYSTONIA UPDATE**
Saeed Bohlega, Saudi Arabia

17:10 **ESSENTIAL AND OTHER TREMORS**
Günther Deuschl, Germany

17:30 **COMPLEX MOVEMENT DISORDERS**
Ryosuke Takahashi, Japan

17:50 **DISCUSSION**

Sunday, November 13, 2011

16:30-18:00

Hall C

Main Topic / Topic:

UNDER-RECOGNIZED PROBLEMS IN NEUROREHABILITATION

Chairpersons: **Michael P. Barnes, UK**
Volker Hömberg, Germany

- 16:30 **SEXUAL PROBLEMS**
Ragnar Stien, Norway
- 17:00 **UNDER-RECOGNISED PROBLEMS AFTER SPINAL INJURY**
Wagih El-Masry, UK
- 17:30 **ENDOCRINE PROBLEMS AFTER BRAIN INJURY**
Michael P. Barnes, UK

16:30-18:00

Hall D

Main Topic / Topic:

NEUROEPIDEMIOLOGICAL ISSUES IN AFRICA

Chairpersons: **Michel Dumas, France**
Maria Benabdeljilil, Morocco

- 16:30 **INTRODUCTION**
Pierre-Marie Preux, France
- 16:40 **CEREBROVASCULAR DISEASES IN YOUTH**
Mansour Ndiaye, Senegal
- 17:00 **PARASITOSSES AND EPILEPSY: CONTROVERSIES**
Pierre-Marie Preux, France
- 17:20 **CLINICAL EPIDEMIOLOGY OF MULTIPLE SCLEROSIS IN NORTH AFRICA**
Maria Benabdeljilil, Morocco
- 17:40 **NEURO-HIV IN AFRICA**
Yomi Ogun, Nigeria

Sunday, November 13, 2011

16:30-18:00

Hall 1

Daily Debate: MULTIPLE SCLEROSIS

Chairpersons: **William Carroll**, *Australia*
Khadija Alzemmouri, *Morocco*

16:30 **MRI IS PRE-EMINENT IN MONITORING DISEASE COURSE**

For: **Thomas Berger**, *Austria*

Against: **Giancarlo Comi**, *Italy*

16:30-18:00

Hall G

WHO Session: CLASSIFICATION OF DISEASES OF NERVOUS SYSTEM: ICD-11

Chairpersons: **Raad Shakir**, *UK*
Shekhar Saxena, *Switzerland/WHO*

16:30 **WHAT ARE WHO'S PRIORITIES FOR ICD-11?**

Shekhar Saxena, *Switzerland/WHO*

16:50 **REVISION OF ICD-10 NEUROLOGY CHAPTER: EVIDENCE GENERATION AND FIELD TRIALS**

Tarun Dua, *Switzerland/WHO*

17:10 **THE STRUCTURE AND CATEGORIES CURRENTLY UNDER CONSIDERATION: NEUROLOGICAL DISORDERS IN ICD-11**

Donna C. Bergen, *USA*

17:30 **REVISION OF ICD-10 NEUROLOGY CHAPTER: PROGRESS MADE AND CHALLENGES AHEAD**

Raad Shakir, *UK*

17:50 **CONCLUSIONS. HOW CAN YOU GET INVOLVED?**

Raad Shakir, *UK*

Shekhar Saxena, *Switzerland/WHO*

Sunday, November 13, 2011

16:30-18:00

Hall H

Free Papers 9: NEUROONCOLOGY

Chairpersons: **Roger Stupp**, *Switzerland*
Ines Chatti, *Tunisia*

- 16:30 **EVALUATION OF NEUROCOGNITIVE CHANGES FOLLOWING WHOLE BRAIN RADIOTHERAPY IN PATIENTS WITH BRAIN METASTASES**
Mohammad Abu-Hegazy, H.A. El-Hadaad, W. El-Beshbeshi, *Egypt*
- 16:45 **NEOPLASMS IN THE CLINICAL MATERIAL OF NEUROLOGY CLINIC, CLINICAL CENTER OF SARAJEVO UNIVERSITY, IN THE PERIOD 1990-2009**
Azra Alajbegovic, M. Hrnjica, S. Alajbegovic, J. Djelilovic-Vranic, L. Todorovic, M. Tiric-Campara, N. Subasic, Z. Subašić, N. Loga, *Bosnia-Herzegovina*
- 17:00 **DEMOGRAPHIC CHARACTERISTICS, DIAGNOSIS AND MANAGEMENT OF PATIENTS WITH INTRACRANIAL EPENDYMOMA: ABOUT 28 CASES**
K. Chebaane, **Ines Chatti**, M. Ladibe, H. Krifa, *Tunisia*
- 17:15 **GENOMIC CHARACTERIZATION OF DIFFUSE LOW-GRADE GLIOMAS IN ADULTS**
Agustí Alentorn, Y. Marie, B. Boisselier, C. Carpentier, M. Giry, K. Mokhtari, V. Desestret, F. Laigle-Donadey, E. Crinière, K. Hoang-Xuan, M. Sanson, J.-Y. Delattre, A. Idbaih, *France*
- 17:30 **FIRST-LINE CCNU ALONE AS AN ALTERNATIVE OF PCV CHEMOTHERAPY IN THE TREATMENT OF PROGRESSIVE LOW-GRADE GLIOMAS**
Gentian Kaloshi, E. Roci, G. Fejzo, G. Brace, A. Rroji, M. Petrela, *Albania*

Sunday, November 13, 2011

18:30-20:00

Hall A

OPENING CEREMONY

Chairpersons: **Vladimir Hachinski**, *Canada, WFN President*
Mostafa El Alaoui Faris, *Morocco, WCN 2011 President*

WELCOMING WORDS

Vladimir Hachinski, *Canada, WFN President*
Mostafa El Alaoui Faris, *Morocco, WCN 2011 President*

Traditional Moroccan Music

Followed by a Welcome Reception

Monday, November 14, 2011

07:00-08:00

Hall D

TC16: Teaching Course*

HOW TO EXAMINE A COMATOSE PATIENT (*Free*)

Chairperson: **Steven Laureys**, *Belgium*

07:00 **HOW TO EXAMINE A COMATOSE PATIENT**
Steven Laureys, *Belgium*

**Pre-registration required*

08:00-09:00

Hall A

PLENARY LECTURES 3 & 4

Chairpersons: **Werner Hacke**, *Germany*
Marianne de Visser, *The Netherlands*

08:00 **STROKE - THE GLOBAL AGENDA**
Bo Norrving, *Sweden*

08:30 **NEUROESTHETICS: ARTISTIC CREATIVITY AND THE BRAIN**
Sémir Zeki, *UK*

Monday, November 14, 2011

09:00-10:45

Hall A

PRESIDENTIAL SESSION

Chairpersons: **Vladimir Hachinski**, *Canada, WFN President*
Mostafa El Alaoui Faris, *Morocco, WCN 2011 President*

09:00 **NEUROPSYCHOLOGY OF THE ARABIC LANGUAGE**
Mostafa El Alaoui Faris, *Morocco*

09:30 **HYPERTENSION AND THE BRAIN**
Vladimir Hachinski, *Canada*

10:00 **THE CHANGING SPECTRUM OF NEUROLOGY: CHALLENGES,
OPPORTUNITIES AND ALLIES**
Werner Hacke, *Germany*

10:30 **WORLD FEDERATION OF NEUROLOGY MEDAL PRESENTATIONS**

INTRODUCTION

Raad Shakir, *UK*

PRESENTATIONS

Vladimir Hachinski, *Canada*

MEDAL FOR SERVICES TO INTERNATIONAL NEUROLOGY

Lord Walton of Detchant, *UK*

Citation:

Johan Aarli, *Norway*

SCIENTIFIC ACHIEVEMENT IN NEUROLOGY

Richard T. Johnson, *USA*

Citation:

Christopher Power, *Canada*

Monday, November 14, 2011

11:15-12:45

Hall A

Main Topic / Topic:

STROKE IN THE YOUNG

Chairpersons: **José M. Ferro**, *Portugal*
Mohammed Arezki, *Algeria*

- 11:15 **STROKE IN YOUNG AFRICANS**
Mohammed Arezki, *Algeria*
- 11:35 **STROKE IN CHILDREN**
Gabrielle deVeber, *Canada*
- 11:55 **STROKE IN PREGNANCY AND PUERPERIUM**
Jeyaraj Durai Pandian, *India*
- 12:15 **ETIOLOGIC DIAGNOSIS: AN EFFECTIVE APPROACH**
José M. Ferro, *Portugal*
- 12:45 *Lunch Break*

11:15-12:45

Hall B

Main Topic / Topic:

ONE WORLD, ONE HEALTH PARADIGM SHIFT IN CNS INFECTIONS

Chairpersons: **Girish Modi**, *South Africa*
Elly Katabira, *Uganda*

- 11:15 **NEUROLOGY AND THE EMERGING DISEASES**
Erich Schmutzhard, *Austria*
- 11:35 **NEUROBORRELIOSIS**
Mohammed Abdoh Rafai, *Morocco*
- 11:55 **NEUROLOGY OF HIV-INFECTION: NEW DEVELOPMENTS**
Elly Katabira, *Uganda*
- 12:15 **OPPORTUNISTIC INFECTIONS OF THE CNS IN HIV**
Zenebe Melaku, *Ethiopia*
- 12:35 **DISCUSSION**
- 12:45 *Lunch Break*

Monday, November 14, 2011

11:15-12:45

Hall C

Main Topic / Topic:

HISTORY OF NEUROSCIENCE IN THE MAGHREB

Chairpersons: **Chafiq Hicham**, *Morocco*
Mohamed El-Tamawy, *Egypt*

11:15 **NEUROSCIENCES IN AL-ANDALUS**
Mohamed El Alaoui Faris, *Morocco*

11:35 **THE MAGHREBIAN MARISTANS AND THE TREATMENT OF
NEUROPSYCHIATRIC DISEASES**
Chafiq Hicham, *Morocco*

11:55 **HOW NEUROSCIENCE RESEARCH IS DEVELOPED IN MAGHREB**
Najib Kissani, *Morocco*

12:15 **EPILEPSY THROUGHOUT HISTORY**
Mohamed El-Tamawy, *Egypt*

12:35 **DISCUSSION**

12:45 *Lunch Break*

11:15-12:45

Hall D

Main Topic / Topic:

MOTOR NEURON DISEASE

Chairpersons: **Ryuji Kaji**, *Japan*
Albert Ludolph, *Germany*

11:15 **EARLY DIAGNOSIS OF ALS: NEW CRITERIA**
Hidehiro Mizusawa, *Japan*

11:35 **PATHOLOGY OF ALS: NEW INSIGHTS INTO ETIOLOGY**
Albert Ludolph, *Germany*

11:55 **CLINICAL FEATURES AND THERAPEUTIC IMPLICATIONS OF OPTN
MUTATION IN ALS**
Ryuji Kaji, *Japan*

12:15 **NEUROIMAGING OF ALS**
Reinhard Dengler, *Germany*

12:35 **DISCUSSION**

12:45 *Lunch Break*

Monday, November 14, 2011

11:15-12:45

Hall 1

Main Topic / Topic:

ACUTE NON-TRAUMATIC MYELOPATHIES

Chairpersons: **Saadia Aïdi**, *Morocco*
William Carroll, *Australia*

11:15 **OVERVIEW: ANATOMY, IMAGING**
William Carroll, *Australia*

11:30 **VASCULAR MYELOPATHIES**
David B. Vodusek, *Slovenia*

11:55 **INFLAMMATORY MYELOPATHIES**
Robert Lisak, *USA*

12:20 **OTHER MYELOPATHIES**
Saadia Aïdi, *Morocco*

12:35 **DISCUSSION**

12:45 *Lunch Break*

Monday, November 14, 2011

11:15-12:45

Hall F

Free Papers 10: BRAIN TRAUMA AND CRITICAL CARE

Chairperson: **Stefan Schwab**, *Germany*

- 11:15 **TRAUMATIC PERSISTENT VEGETABLE STATE (PVS) BEING TREATED WITH SPINAL CORD ELECTROSTIMULATION (SCS) - A REPORT OF TWO CASES**
Jian-Jun Huang, C.-G. Ma, *China*
- 11:30 **A NOVEL ENDOTHELIN-RECEPTOR A ANTAGONIST IMPROVES OUTCOME FOLLOWING TRAUMATIC BRAIN INJURY**
Christian Kreipke, A. Kropinski, J. Graves, B. Cantazaro, J. Rafols, D. Kuhn, W. Armstead, *USA*
- 11:45 **MEMORY DISORDERS IN PATIENTS AFTER TRAUMATIC BRAIN INJURY**
Nataliya Kufterina, I. Grygorova, *Ukraine*
- 12:00 **CLINICAL SIGNIFICANCE OF RARE CNVS IN EPILEPSY: A CASE-CONTROL ARRAY CGH-BASED SURVEY**
Pasquale Striano, A. Coppola, R. Paravidino, M. Pezzella, G. Giudizioso, F. Zara, Genetic Commission of Italian League Against Epilepsy, *Italy*
- 12:15 **EARLY CONSCIOUS DISTURBANCE IN PATIENTS WITH HYPERACUTE ISCHEMIC STROKE : CLINICAL FEATURES AND THROMBOLYTIC THERAPY**
Jie Li, W.D. Tao, W. Dong, J. Zhang, D.R. Wang, Z.L. Hao, S. Lin, M. Liu, *China*
- 12:30 **EPILEPSY AMONG ELDERLY SUDANESE PATIENTS**
Abbashar Hussein, A. Sidig, M. Saad, O. El-Adil, B. Mubarek, A. Hamad, M. Malkaldar, *Sudan*
- 12:45 *Lunch Break*

Monday, November 14, 2011

11:15-12:45

Hall G

Free Papers 11: EPILEPSY

Chairpersons: **Amadou Gallo Diop**, *Senegal*
Nadir Bharucha, *India*

- 11:15 **REACHING OUT TO EVERYONE THE EPILEPSY CLINICS**
Amadou Gallo Diop, *Senegal*
- 11:30 **PREVALENCE AND CLINICAL PROFILE OF EPILEPSY IN KANPUR DISTRICT OF UTTAR PRADESH, INDIA**
Navneet Kumar, K. Patil, T. Midha, A. Shukla, N. Tawade, S. Pandey, A. Padhye, *India*
- 11:45 **THE USE AND COMPARISON OF PROLONGED EEG RECORDINGS IN THE DIAGNOSIS AND CLINICAL MANAGEMENT OF EPILEPSY**
Fatimah Javaid, H. Angus-Leppan, T. Tidswell, *UK*
- 12:00 **CLINICAL ASYMMETRIES AND FOCAL EEG ABNORMALITIES IN PATIENTS WITH JUVENILE MYOCLONIC EPILEPSY**
Igor Kuzmanovski, E. Cvetkovska, T. Cepreganova, B. Boskovski, *FYR Macedonia*
- 12:15 **SYNDROME OF CONTINUOUS SPIKE-WAVE SLEEP: CLINICAL AND PARACLINICAL EVOLUTIVE ASPECTS**
Sami Ould mohamedlemine, D. Ka, M. Ndiaye, E.H.M. Ba, L.B. Seck, M. Diagne, *Senegal*
- 12:30 **ANTIPILEPTIC DRUG WITHDRAWAL IN CHILDREN WITH EPILEPSY AND CEREBRAL PALSY**
Marija F. Knezevic-Pogancev, A. Mikov, T. Redzek-Mudrinic, M. Pavlovic, *Serbia*
- 12:45 *Lunch Break*

Monday, November 14, 2011

11:15-12:45

Hall H

Free Papers 12: EPILEPSY

Chairpersons: **Alfred K. Njamnshi**, *Cameroon*
Amal Mrabet, *Tunisia*

- 11:15 **LENNOX-GASTAUT SYNDROME AROUND 27 CASES**
Ghizlane Zouiri, F. Bouyri, Y. Kriouile, *Morocco*
- 11:30 **PREVALENCE AND PREDICTIVE FACTORS OF NON-ADHERENCE TO ANTIEPILEPTIC TREATMENT IN DAKAR-SENEGAL**
Faustin Yepnjo, K. Toure, A.G. Diop, A. Njamnshi, M. Mbae, I. Kasonde, G. Farnarier, L. Gueye, M.M. Ndiaye, P.-M. Preux, *Cameroon, France*
- 11:45 **NON-COMPLIANCE TO ANTI-EPILEPTIC TREATMENT IN A SENEGALESE EPILEPTIC POPULATION: PREVALENCE AND RISK FACTORS**
Kamadore Toure, F. Yepnjo, A. Sow, A. Basse, L.B. Seck, N.F. Ndoye, M. Ndiaye, A.G. Diop, M.M. Ndiaye, *Senegal*
- 12:00 **RATIONALE FOR POLYTHERAPY IN THE TREATMENT OF STATUS EPILEPTICUS**
Claude Wasterlain, R. Baldwin, J. Niquet, L. Suchomelova, *USA*
- 12:15 **USE OF INTRAVENOUS LACOSAMIDE IN STATUS EPILEPTICUS AND CLUSTER SEIZURES**
Yasmin Handouk, S. Morresi, C. Bompreszi, E. Venturini, C. Minardi, S. Malagù, A.M. Mauro, *Italy*
- 12:30 **EPILEPSY TREATMENT IN RURAL TANZANIA: A LOW TREATMENT GAP DOES NOT CORRESPOND TO HIGH LEVELS OF SEIZURE CONTROL**
Ewan Hunter, J. Rogathe, A. Jusabani, E. Aris, R. Walker, *UK, Tanzania*
- 12:45 *Lunch Break*

Monday, November 14, 2011

13:00-14:30

Hall C

**Bayer Sponsored Symposium:
A STEP FORWARD IN STROKE PREVENTION IN ATRIAL FIBRILLATION**

Chairperson: **Werner Hacke**, *Germany*

- 13:00 **ATRIAL FIBRILLATION-RELATED STROKE: IMPLICATIONS AND CHALLENGES**
Bo Norrving, *Sweden*
- 13:30 **BALANCING STROKE RISK AGAINST BLEEDING RISK IN AF**
Zoubida Tazi Mezalek, *Morocco*
- 14:00 **NOVEL ANTICOAGULANTS IN PREVENTION OF AF RELATED STROKE**
Werner Hacke, *Germany*

Monday, November 14, 2011

14:45-16:15

Hall A

Main Topic / Topic:

STROKE AND INFECTION

Chairpersons: **Ka Sing Lawrence Wong**, *Hong Kong S.A.R.*
Ayrton Roberto Massaro, *Brazil*

- 14:45 **AIDS AND STROKE**
Alan Bryer, *South Africa*
- 15:05 **RE-EMERGENCE OF MENINGOVASCULAR SYPHILIS AND STROKE**
Ka Sing Lawrence Wong, *Hong Kong S.A.R.*
- 15:25 **PARASITOSIS AND STROKE**
Ayrton Roberto Massaro, *Brazil*
- 15:45 **INFECTION AS A RISK FACTOR FOR STROKE**
Angel Chamorro
- 16:05 **DISCUSSION**
- 16:15 *Coffee Break*

14:45-16:15

Hall B

Main Topic / Topic:

CNS INFECTION: A NEGLECTED TOPIC

Chairpersons: **Charles Newton**, *Kenya*
Raad Shakir, *UK*

- 14:45 **CNS TUBERCULOSIS AND OTHER MYCOBACTERIOSIS**
Girish Modi, *South Africa*
- 15:05 **IRIS IN HIV AND TB**
Christopher Power, *Canada*
- 15:25 **ACUTE BACTERIAL MENINGITIS**
Raad Shakir, *UK*
- 15:45 **CEREBRAL MALARIA**
Charles Newton, *Kenya*
- 16:05 **DISCUSSION**
- 16:15 *Coffee Break*

Monday, November 14, 2011

14:45-16:15

Hall C

Main Topic / Topic:

NEUROGENETICS: SESSION I

Chairpersons: **Alexis Brice**, *France*
Ali Benomar, *Morocco*

14:45 **EPILEPSY**
Michael R. Johnson, *UK*

15:15 **MOVEMENT DISORDERS**
Alexis Brice, *France*

15:45 **MUSCLE DISEASES**
Corrado Angelini, *Italy*

16:15 *Coffee Break*

14:45-16:15

Hall D

Main Topic / Topic:

END OF LIFE - NEUROLOGY

Chairpersons: **James A. Russell**, *USA*
Gian Domenico Borasio, *Germany*

14:45 **TERMINAL SEDATION**
James A. Russell, *USA*

15:05 **END-OF-LIFE DECISIONS IN NEUROLOGY: PRINCIPLES AND PRACTICE**
Gian Domenico Borasio, *Germany*

15:25 **END-OF LIFE DECISIONS IN TRAUMATIC BRAIN INJURY**
Pieter E. Vos, *The Netherlands*

15:45 **END-OF-LIFE DECISIONS IN ALS**
David J. Oliver, *UK*

16:05 **DISCUSSION**

16:15 *Coffee Break*

Monday, November 14, 2011

14:45-16:15

Hall 1

Main Topic / Topic:

NEUROLOGICAL CARE POLICY IN AFRICA

Chairpersons: **Johan Aarli**, *Norway*
Shekhar Saxena, *Switzerland/WHO*

14:45 **STRATEGIC DIRECTIONS FOR IMPLEMENTATION OF WHO POLICY IN AFRICA**

Shekhar Saxena, *Switzerland/WHO*

15:05 **THE ROLE OF NURSES IN NEUROLOGY IN PUBLIC HEALTH IN AFRICA**

Osheik Seidi, *Sudan*

15:25 **HOW SHOULD ILAE AND WFN COLLABORATE IN AFRICA?**

Solomon Moshe, *USA*

15:45 **THE AFRICA INITIATIVE -AN UPDATE**

Johan Aarli, *Norway*
Alfred K. Njamnshi, *Cameroon*

16:05 **DISCUSSION**

16:15 *Coffee Break*

Monday, November 14, 2011

14:45-18:15

Hall F

TC03: Teaching Course*

SLEEP DISORDERS

Chairperson: **Antonio Culebras, USA**

14:45 **SLEEP APNEA FOR THE PRACTICING NEUROLOGIST**
Antonio Culebras, USA

15:15 **PARASOMNIAS AND SLEEP APNEA**
Carlos H. Schenck, USA

15:45 **MOVEMENT DISORDERS AND SLEEP**
Claudia Trenkwalder, Germany

16:15 *Coffee Break*

16:45 **MOVEMENT DISORDERS AND SLEEP**
VIDEO PRESENTATION
Claudia Trenkwalder, Germany

17:30 **PARASOMNIAS**
VIDEO PRESENTATION
Carlos H. Schenck, USA

**Pre-registration required*

Monday, November 14, 2011

14:45-16:15

Hall G

Free Papers 13: EPILEPSY

Chairperson: **Youssoufa Maiga**, *Mali*

- 14:45 **THE EPILEPSY TREATMENT GAP IN SIX PRIMARY CARE CENTRES IN TOGO (2007-2009)**
Kokou Mensah Guinhouya, M. Belo, V. Kumako, K.E. Grunitzky, *Togo*
- 15:00 **EPO PREVENTS APOPTOSIS VIA JAK2/STAT5 IN EXPERIMENTAL EPILEPSY**
Jie Li, B.X. Ma, Q. Li, S. Wu, *China*
- 15:15 **QUALITY OF ANTIEPILEPTIC DRUGS IN PHARMACIES OF HIGH MATSIATRA, MADAGASCAR**
Voa Ratsimbazafy, R. Andriambololona, M. Megherbi, T. Rakotovao, S.G. Duval, P.-M. Preux, P. Marquet, *France*
- 15:30 **ACCESSIBILITY OF ANTIEPILEPTIC TREATMENTS IN THE DISTRICT OF FIANARANTSOA I, HIGH MATSIATRA, MADAGASCAR**
Voa Ratsimbazafy, T. Rakotovao, B. Marin, P.M. Preux, M. Rabarijaona, S.G. Duval, *France*
- 15:45 **MIDDLE SHORT GYRUS OF THE INSULA IMPLICATED IN SPEECH PRODUCTION: INTRACEREBRAL STIMULATION OF PATIENTS WITH EPILEPSY (AN OBLIQUE APPROACH)**
Afif Afif, L. Inotti, P. Kahane, D. Hoffmann, *France*
- 16:00 **SURGERY OF TEMPORAL EPILEPSY (302 CASES) CORRELATION BETWEEN INTERICTAL EEG DATA BEFORE AND AFTER ANTIEPILEPTIC DRUG DECREASE AND SURGERY OUTCOME**
Fatiha Lahjouji, H. Belaidi, N. Birouk, L. Errguig, B. Kably, R. Ouazzani, *Morocco*
- 16:15 *Coffee Break*

Monday, November 14, 2011

14:45-16:15

Hall H

Free Papers 14: EPILEPSY

Chairpersons: **Elisabeth Pauli**, *Germany*
Adesola Ogunniyi, *Nigeria*

- 14:45 **PRE-SURGICAL EVALUATION: IS COUNTING THE NUMBER OF SEIZURES LEADING UP TO THE ICTAL SPECT RELEVANT?**
Mamta Bhushan Singh, N. Jain, R. Bhatia, M.V. Padma, M. Tripathi, K. Prasad, *India*
- 15:00 **LATENCY OF TREATMENT PREDICTS CLINICAL AND PSYCHOSOCIAL OUTCOME IN EPILEPSY**
Michael Bimbola Fawale, M. Owolabi, S. Ogunniyi, *Nigeria*
- 15:15 **CIRCADIAN RHYTHM OF EPILEPTIC SEIZURES RELATES WITH STIGMA PERCEPTION**
Michael Bimbola Fawale, M. Owolabi, S. Ogunniyi, *Nigeria*
- 15:30 **ANXIETY, DEPRESSION AND PERSONALITY IN TEMPORAL LOBE EPILEPSY PATIENTS BEFORE AND AFTER SURGICAL TREATMENT**
Elisabeth Pauli, C. Däubler, *Germany*
- 15:45 **PARKINSON'S DISEASE IN GHANA: OBJECTIVES, CLINICAL AND GENETICS FINDINGS FROM A 2-YEAR EXPERIENCE**
Roberto Cilia, A. Akpalu, M. Cham, F.S. Sarfo, A. Bonetti, M. Amboni, G. Pezzoli, *Italy*
- 16:00 **PREVALENCE AND ITS IMPLICATION OF RAPID EYE MOVEMENT SLEEP DISORDER IN PARKINSON'S DISEASE**
Hidehiro Shibayama, F. Katada, K. Araki, T. Komatsu, M. Takahashi, S. Sato, T. Fukutake, *Japan*
- 16:15 *Coffee Break*

Monday, November 14, 2011

14:45-18:15

Hall I

TC17: Teaching Course*

HOW TO TREAT PARKINSON'S DISEASE: A PRACTICAL COURSE FOR OPTIMAL TREATMENT OF OUR PARKINSONIAN PATIENTS

Chairperson: **Erik Ch. Wolters**, *The Netherlands*

14:45 **EARLY (PREMOTOR) DIAGNOSIS AND TREATMENT OF PRE-MOTOR SYMPTOMS IN PD**

Eduardo Tolosa, *Spain*

15:15 **DISCUSSION**

15:30 **TREATMENT OF MOTOR PARKINSONISM, WITH AN ACCENT ON THE TREATMENT OF TREMOR**

Günther Deuschl, *Germany*

16:00 **DISCUSSION**

16:15 *Coffee Break*

16:45 **TREATMENT IN THE LATER STAGES OF PD**

Erik Ch. Wolters, *The Netherlands*

17:15 **DISCUSSION**

17:30 **VIRTUAL CLINIC: INTERACTIVE DISCUSSION ABOUT TREATMENT OF SOME VIDEO-CASES**

Erik Ch. Wolters, *The Netherlands*,

Eduardo Tolosa, *Spain*

Günther Deuschl, *Germany*

**Pre-registration required*

Monday, November 14, 2011

14:45-18:15

Hall J

TC18: Teaching Course*

DEMENTIA IN THE DEVELOPING WORLD

Chairperson: **Mostafa El Alaoui Faris, Morocco**

14:45 **DEMENTIA IN DEVELOPING COUNTRIES: AN OVERVIEW**
Mostafa El Alaoui Faris, Morocco

15:00 **EARLY-ONSET DEMENTIA IN THE DEVELOPING WORLD**
Maria Benabdeljilil, Morocco

15:30 **DEMENTIA IN AFRICA**
Adesola Ogunniyi, Nigeria

16:00 **DISCUSSION**

16:15 *Coffee Break*

16:45 **DEMENTIA IN LATIN AMERICA**
Raul Arizaga, Argentina

17:15 **DEMENTIA IN ASIA**
Ennapadam S. Krishnamoorthy, India

17:45 **DISCUSSION**

**Pre-registration required*

Monday, November 14, 2011

14:45-18:15

Hall K

WS03: Workshop*

ULTRASOUND OF MUSCLE AND NERVE

Chairperson: **Konrad Scheglmann, Germany**

INTRODUCTION

Konrad Scheglmann, Germany

SONOGRAPHIC ANATOMY OF THE PERIPHERAL NERVE

CHARACTERISTIC OF DISEASED NERVE

NERVE COMPRESSION SYNDROMES

NERVE TUMORS

TRAUMATIC NERVE LESION

POLYNEUROPATHY

MUSCLES

SONOGRAPHIC GUIDED BOTULINUM TOXINE THERAPY

Faculty:

Peter Poeschl, Germany

Konrad Scheglmann, Germany

16:15-16:45 *Coffee Break*

**Pre-registration required*

14:45-18:15

Hall L

TC20: Teaching Course*

NEUROCRITICAL CARE

Chairperson: **Lutz Harms, Germany**

INTRAVENTRICULAR HAEMORRHAGE

Stefan Schwab, Germany

ELECTROLYTES AND ENCEPHALOPATHY

Lutz Harms, Germany

SEVERE BRAIN DAMAGE AND DISORDERS OF CONSCIOUSNESS

Steven Laureys, Belgium

16:15-16:45 *Coffee Break*

**Pre-registration required*

Monday, November 14, 2011

14:45-18:15

Hall 2

TC41: Teaching Course*

NEUROLOGIC EDUCATION

Chairperson: **Man Mohan Mehndiratta, India**

14:45-16:15 PART I

LEARNING THROUGH HISTORY OF NEUROLOGY: HOW DID DOYENS IN NEUROLOGY TRAIN & TEACH?

Man Mohan Mehndiratta, India

BOARD EXAMINATIONS IN NEUROLOGY"- FROM PRACTICAL ISSUES TO SKILL AND KNOWLEDGE

Wolfgang Grisold, Austria

16:15-16:45 *Coffee Break*

16:45-18:15 PART II

RESIDENCY TRAINING IN EUROPE

Walter Struhal, Austria

PHYSICIAN READINESS TO EXPERT PROGRAM (PREP) PROGRAM

Tissa Wijeratne, Australia

NEUROLOGY TEACHING-DEVELOPED AND DEVELOPING COUNTRIES PERSPECTIVE (RESOURCE LIMITED COUNTRIES)

Mohammed Wasay, Pakistan

Man Mohan Mehndiratta, India

**Pre-registration required*

Monday, November 14, 2011

14:45-18:15

Hall 3

TC25: Teaching Course*
NEUROONCOLOGY

Chairperson: **Riccardo Soffietti, Italy**

MALIGNANT GLIOMAS: STANDARD OF CARE AND NEW DEVELOPMENTS

Michael Weller, Switzerland

MANAGEMENT OF LOW GRADE GLIOMAS: RISK GROUPS AND ROLE OF SURGERY, RADIOTHERAPY AND CHEMOTHERAPY

Riccardo Soffietti, Italy

NEUROLOGICAL COMPLICATIONS OF CANCER: BRAIN, LEPTOMENINGEAL AND SPINAL METASTASES

David Schiff, USA

16:15-16:45 *Coffee Break*

**Pre-registration required*

Monday, November 14, 2011

16:45-18:15

Hall A

Main Topic / Topic:

STROKE, WHAT'S NEW?

Chairpersons: **Nils Wahlgren**, *Sweden*
Alan Bryer, *South Africa*

- 16:45 **THROMBOLYTIC THERAPY: NEW TIME WINDOW OR NEW AGENTS?**
Nils Wahlgren, *Sweden*
- 17:05 **INTRA-ARTERIAL INTERVENTIONS FOR STROKE TREATMENT**
Martin Bendszus, *Germany*
- 17:25 **EMERGING THERAPY FOR STROKE: 2011 UPDATE**
Antoni Dávalos, *Spain*
- 17:45 **STROKE PREVENTION**
Hans-Christoph Diener, *Germany*
- 18:05 **DISCUSSION**

16:45-18:15

Hall B

Main Topic / Topic:

INFECTIONS AND TRANSMISSIBLE DISEASES. THERE IS MORE THAN WHAT WE CAN IMAGINE!

Chairpersons: **Oscar Del Brutto**, *Ecuador*
Alan C. Jackson, *Canada*

- 16:45 **RABIES**
Alan C. Jackson, *Canada*
- 17:05 **HERPES ENCEPHALITIS**
Uta Meyding-Lamadé, *Germany*
- 17:25 **NEUROCYSTICERCOSIS**
Oscar Del Brutto, *Ecuador*
- 17:45 **PRION DISEASES**
Richard T. Johnson, *USA*
- 18:05 **DISCUSSION**

Monday, November 14, 2011

16:45-18:15

Hall C

Main Topic / Topic:

NEUROGENETICS: SESSION II

Chairpersons: **Mohamed Yahyaoui**, *Morocco*
Sophie Domingues-Montanari, *Spain*

- 16:45 **ATAXIAS**
Ali Benomar, *Morocco*
- 17:05 **PERIPHERAL NEUROPATHIES**
Michael Shy, *USA*
- 17:25 **STROKE**
Sophie Domingues-Montanari, *Spain*
- 17:45 **30 YEARS OF NEUROGENETICS IN THE MAGHREB**
Mohamed Yahyaoui, *Morocco*
- 18:05 **DISCUSSION**

16:45-18:15

Hall D

Main Topic / Topic:

NEUROLOGICAL VIEWS ON PICTORIAL ART

Chairpersons: **Johan Aarli**, *Norway*
Michael Hennerici, *Germany*

- 16:45 **CHARCOT'S VISIT TO MOROCCO AS SEEN BY HIS DRAWINGS**
C. Goetz, *USA*
- 17:05 **EPILEPSY IN PICTORIAL ART**
Peter Wolf, *Denmark*
- 17:25 **RIGHT HEMISPHERE STROKE IN PAINTERS**
Michael Hennerici, *Germany*
- 17:45 **HOW HYSTERIA REAPPEARED IN THE ARTS**
Johan Aarli, *Norway*
- 18:05 **DISCUSSION**

Monday, November 14, 2011

16:45-18:15

Hall 1

Special Session:

THE BEST PUBLICATIONS IN NEUROLOGY SINCE BANGKOK

Chairpersons: **Werner Hacke**, *Germany*
 Natan Bornstein, *Israel*

16:45 **RELY, ROCKET AND ARISTOTLE**
 Hans-Christoph Diener, *Germany*

17:15 **GENETIC PROFILE OF MS**
 Alastair Compston, *UK*

17:45 **THE NEW CRITERIA AND DIAGNOSTIC GUIDELINE FOR ALZHEIMER'S
DISEASE, MILD COGNITIVE IMPAIRMENT**
 Howard Feldman, *Canada*

Monday, November 14, 2011

16:45-18:15

Hall G

Free Papers 15: MOVEMENT DISORDERS

Chairperson: **Ryosuke Takahashi**, *Japan*
Ouafae Messouak, *Morocco*

- 16:45 **TRANSCRANIAL BRAIN PARENCHYMA SONOGRAPHY IS USEFUL IN DIFFERENTIATION BETWEEN HEPATIC AND NEUROLOGIC FORMS OF WILSON'S DISEASE**
Milija Mijajlovic, M. Svetel, A. Tomic, N. Kresojevic, T. Pekmezovic, V. Kostic, *Serbia*
- 17:00 **OPSOCLONUS- MYOCLONUS SYNDROME AS THE INITIAL CLINICAL MANIFESTATION OF HIV INFECTION**
Gustavo Eduardo Ramos Burbano, R.A. Vallejo Serna, P. Piedrahita, G.E. Ramos Alarcón, A.E. Ramos Arévalo, J.A. Diazgranados, *Colombia*
- 17:15 **HEMIFACIAL SPASM: CLINICAL CHARACTERISTICS OF 321 INDIAN PATIENTS**
Madhuri Behari, A. Batla, V. Goyal, G. Shukla, *India*
- 17:30 **RECENT ADVANCES IN THE NEUROCHEMISTRY OF DOPA-RESPONSIVE DYSTONIA**
Yoshiaki Furukawa, O. Hornykiewicz, S. Kish, *Japan*
- 17:45 **TREATMENT OF FOCAL DYSTONIA WITH BOTULINUM TOXIN, EXPERIENCE OF THE NEUROLOGY DEPARTMENT, SIDI BELABBES HOSPITAL, ALGERIA**
Amine Hamimed, N. Benali, *Algeria*
- 18:00 **GAMMA KNIFE RADIOSURGERY FOR INTRACTABLE TREMORS: CLINICAL OUTCOME FOR 50 PATIENTS**
Tatiana Witjas, *France*

Monday, November 14, 2011

16:45-18:15

Hall H

Free Papers 16: MISCELLANEOUS

Chairpersons: **Mark Hallett**, *USA*
Adel Misk, *Palestinian Authority*

- 16:45 **LTD-LIKE PLASTICITY OF THE TRIGEMINAL BLINK REFLEX FOR THE TREATMENT OF BLEPHAROSPASM**
Gottfried Kranz, E. Shamim, P. Lin, G.S. Kranz, M. Hallett, *Austria*
- 17:00 **STRUCTURAL FRONTAL ABNORMALITIES IN IDIOPATHIC DYSTONIA USING DIFFUSION TENSOR IMAGING**
Ali Shalash, H.M. Sakr, *Egypt*
- 17:15 **THE PREVALENCE OF DEMENTIA IN RURAL TANZANIA - A CROSS SECTIONAL POPULATION BASED STUDY**
A. Longdon, **Stella-Maria Paddick**, F. Dewhurst, C. Dotchin, A. Kisoli, W.K. Gray, M. Dewhurst, A. Jusabani, A. Iqbal, A. Teodorczuk, R. Walker, *UK*
- 17:30 **A STUDY ON SEASONAL PATTERNS OF GUILLAIN-BARRE SYNDROME AMONG CHILDREN IN SRI LANKA**
Anomali Vidanagamage, C.L. Fonseka, K.D. Pathirana, D. Gamage, P. Palihawadana, L. Chandrapala, B. Perera, *Sri Lanka*
- 17:45 **A PARADIGM SHIFT IN STROKE IMAGING INVESTIGATION UPON EMERGENCE OF NEURO-INTERVENTIONAL THERAPY**
Thomas W Leung, E. Wong, V. Ip, A.Y. Chan, D. Siu, L.K. Wong, S. Yu, *Hong Kong S.A.R.*
- 18:00 **THE VALIDITY OF A SCREENING TOOL FOR MEASURING THE PREVALENCE OF NEUROLOGIC MORBIDITY IN RESOURCE-POOR COMMUNITIES**
James Bower, R. Walker, E. Martin, V. Maro, S. Ali, F. Enquselassie, *USA*

Monday, November 14, 2011

18:30-19:15

Hall B

**Ferrer Grupo Sponsored Symposium:
SEEKING NEW THERAPIES TO REDUCE THE WORLD STROKE BURDEN**

18:30 **ACUTE MANAGEMENT OF STROKE IN DEVELOPING COUNTRIES**
Saadia Aidi , *Morocco*

18:40 **INSIGHTS IN NEUROPROTECTION AND NEUROREPAIR**
Antoni Dávalos, *Spain*

19:05 **CLOSING REMARKS AND QUESTIONS**
Antoni Dávalos, *Spain*

Tuesday, November 15, 2011

07:00-08:00

Hall D

TC22: Teaching Course*

HOW TO TREAT A PATIENT WITH TREMOR (*Free*)

Chairperson: **Werner Poewe, Austria**

07:00 **HOW TO TREAT A PATIENT WITH TREMOR**
Werner Poewe, Austria

**Pre-registration required*

08:00-09:00

Hall A

PLENARY LECTURES 5 & 6

Chairpersons: **Wolfgang Grisold, Austria**
Adesola Ogunniyi, Nigeria

08:00 **CHALLENGES TO OBTAINING NEUROPROTECTION IN PARKINSON'S DISEASE**
The Melvin D. Yahr Lecture
Anthony Edward Lang, Canada

08:30 **BALANCE AND VERTIGO**
David Zee, USA

Tuesday, November 15, 2011

09:00-10:30

Hall A

Main Topic / Topic:

ADVANCES IN MALIGNANT GLIOMAS

Chairpersons: **Michael Weller, Switzerland**
Chitra Sarkar, India

- 09:00 **MOLECULAR AND CELLULAR BIOLOGY OF GLIOMAS**
Chitra Sarkar, India
- 09:20 **MOLECULAR MARKERS AND PROGNOSIS**
Roger Stupp, Switzerland
- 09:40 **RADIOTHERAPY AND CHEMOTHERAPY OF GLIOBLASTOMA: WHAT IS STANDARD AND WHAT IS NEW?**
Michael Weller, Switzerland
- 10:00 **NOVEL ANTIANGIOGENIC THERAPIES**
Patrick Y. Wen, USA
- 10:20 **DISCUSSION**
- 10:30 *Coffee Break*

09:00-10:30

Hall B

Main Topic / Topic:

COGNITIVE IMPAIRMENT RISK AND PROTECTION

Chairpersons: **Raul Arizaga, Argentina**
Nikolaos Scarmeas, USA

- 09:00 **BRAIN RESERVE AND THE PREVENTION OF DEMENTIA**
Roger T. Staff, UK
- 09:20 **DIET AND COGNITION**
Nikolaos Scarmeas, USA
- 09:40 **NEUROTROPHIC FACTORS AND COGNITION**
Raul Arizaga, Argentina
- 10:00 **NEUROPLASTICITY IN DEMENTIA**
Dafin Muresanu, Romania
- 10:20 **DISCUSSION**
- 10:30 *Coffee Break*

Tuesday, November 15, 2011

09:00-10:30

Hall C

Main Topic / Topic:

SLEEP DISORDERS: SESSION I

Chairpersons: **M. Ossama Abdulghani, *Egypt***
Antonio Culebras, *USA*

- 09:00 **SLEEP AND STROKE**
Antonio Culebras, *USA*
- 09:20 **PARASOMNIAS**
Carlos H. Schenck, *USA*
- 09:40 **EPILEPSY AND SLEEP**
Liborio Parrino, *Italy*
- 10:00 **RESTLESS LEGS SYNDROME**
Claudia Trenkwalder, *Germany*
- 10:20 **DISCUSSION**
- 10:30 *Coffee Break*

09:00-10:30

Hall D

Main Topic / Topic:

NEUROLOGY AND PREGNANCY

Chairpersons: **Thomas Berger, *Austria***
Khadija Alzemmouri, *Morocco*

- 09:00 **PREGNANCY AND EPILEPSY**
Teresa Corona-Vázquez, *Mexico*
- 09:20 **PREGNANCY AND MULTIPLE SCLEROSIS**
Thomas Berger, *Austria*
- 09:40 **THE EFFECT OF MYASTHENIA GRAVIS ON PREGNANCY AND THE NEWBORN**
Khadija Alzemmouri, *Morocco*
- 10:00 **STROKE AND PREGNANCY**
Mohammad Wasay, *Pakistan*
- 10:20 **DISCUSSION**
- 10:30 *Coffee Break*

Tuesday, November 15, 2011

09:00-10:30

Hall F

Free Papers 17: NEUROIMMUNOLOGY

Chairperson: **Brigitte Wildemann**, *Germany*

09:00 **ASSOCIATION OF HLA- DR β 1* WITH THE SUSCEPTIBILITY AND THE PATTERN OF PROGRESSION OF MULTIPLE SCLEROSIS IN ALGERIAN PATIENTS**

Nabila Attal, E. Attal, H. Amroun, R. Draï, L. Ould Chaabane, S. Salah, M. Saadi Belouiz, M. Ait Kaci Ahmed, M. Arezki, M.C. Abbadi, *Algeria*

09:15 **SEVERITY ASSESSMENT WITH MSSS IN MULTICENTRIC MOROCCAN COHORT OF MULTIPLE SCLEROSIS**

Adil Araqi Houssaini, L. Raji, Y. Benkadmir, H. Elotmani, W. Elhymer, I. Hajjaj, N. Kissani, N. Chtaou, A. Zaam, M.F. Belahsen, B. El Moutawakil, M.A. Rafai, I. Slassi, *Morocco*

09:30 **VENOUS OUTFLOW OF INTERNAL JUGULAR VEINS IN PATIENTS WITH RELAPSING-REMITTING MULTIPLE SCLEROSIS IS NOT INFERIOR TO THOSE OF CONTROL SUBJECTS**

Gyula Panczel, A. Rozsa, K. Kovacs, C. Rozsa, *Hungary*

10:30 *Coffee Break*

Tuesday, November 15, 2011

09:00-10:30

Hall G

Free Papers 18: NEUROIMMUNOLOGY

Chairperson: **Pam McCombe**, *Australia*
Elhachmia Ait Ben Haddou, *Morocco*

- 09:00 **ASSOCIATION OF FAS AND MIF WITH DISEASE PROGRESSION IN MS: PROSPECTIVE CLINICAL AND MRI FOLLOW-UP STUDY**
R. Natarajan, S. Hagman, M. Raunio, P. Dastidar, **Irina Elovaara**, *Finland*
- 09:15 **INCREASED SECRETED LEVELS OF BONE MORPHOGENIC PROTEINS 2, 4 AND 5 BY IMMUNE CELLS OF RELAPSING REMITTING MULTIPLE SCLEROSIS PATIENTS**
K. Fainberg-Mausner, N. Urshansky, K. Regev, E. Auriel, **Arnon Karni**, *Israel*
- 09:30 **LOWER SECRETED LEVELS OF LEUKEMIA INHIBITORY FACTOR BY STIMULATED T CELLS IN PATIENTS WITH RR-MS**
Arnon Karni, Y. Amir-Levi, *Israel*
- 09:45 **AN HYPOTHESIS-DRIVEN & LOW-THROUGHPUT SCREENING APPROACH TO ACCELERATE THE DEVELOPMENT OF INNOVATIVE DRUG TREATMENTS FOR SPINAL CORD-INJURED PATIENTS**
Pierre Guertin, *Canada*
- 10:00 **USING NEUTRALIZING ACTIVITY AND ANTIBODIES BINDING SHOWS DIFFERENCES BETWEEN INTERFERONS BETA-1A AND -1B**
Joel Oger, R. Lam, T. Aziz, E. Gibbs, *Canada*
- 10:15 **TREATMENT OF PATIENTS WITH A FIRST CLINICAL DEMYELINATING EVENT: LESSONS FROM TRIALS OF INTERFERON B AND GLATIRAMER ACETATE**
M. Freedman, **Giancarlo Comi**, N. De Stefano, L. Kappos, F. Barkhof, C.H. Polman, B.M. Uitdehaag, B. Hennessy, L. Lehr, B. Stubinski, *Italy*
- 10:30 *Coffee Break*

Tuesday, November 15, 2011

09:00-10:30

Hall H

Free Papers 19: NEUROIMMUNOLOGY

Chairpersons: **Franziska Di Pauli**, *Austria*
Renato Verdugo, *Chile*

- 09:00 **ASSESSMENT OF BASELINE TREATMENT HISTORY AND POSTBASELINE RELAPSES AND SERIOUS ADVERSE EVENTS IN NATALIZUMAB-TREATED PATIENTS WITH MULTIPLE SCLEROSIS**
Christophe Hotermans, S. Belachew, H. Butzkueven, L. Kappos, F. Pellegrini, M. Trojano, H. Wiendl, A. Zhang, *USA*
- 09:12 **COGNITIVE FUNCTION AND EVENT-RELATED POTENTIALS IN PATIENTS WITH MULTIPLE SCLEROSIS**
Tom Brismar, L. Maurex, A. Wahlin, V.V. Nikulin, F. Piehl, M. Sundgren, *Sweden*
- 09:24 **HUMORAL IMMUNE RESPONSE AGAINST EBV ANTIGENS AND NATIVE MOG IN CHILDREN WITH CNS DEMYELINATING DISEASES**
Franziska Di Pauli, S. Mader, K. Rostasy, S. Kathrin, B. Bajer-Kornek, R. Ehling, F. Deisenhammer, M. Reindl, T. Berger, *Austria*
- 09:36 **POST-TRAUMA VISION SYNDROME: ANALYSIS AND TREATMENT USING A RAT MODEL OF DIFFUSE TBI**
Elizabeth A. Berger, R.P. Barrett, J.A. Rafols, C.W. Kreipke, *USA*
- 09:48 **THE NEUROPSYCHIATRIC MANIFESTATIONS OF SYSTEMIC LUPUS - A MONOCENTRIC STUDY OF 95 CASES**
Houda Bachir, W. Ammouri, M. Maamar, H. Harmouche, M. Adnaoui, M. Aouni, Z. Tazi Mezalek, *Morocco*
- 10:00 **DETECTION OF ANCA (ANTI NEUTROPHIL CYTOPLASMIC ANTIBODIES) BY INDIRECT IMMUNOFLUORESCENCE/ELISA AND RELATED NEUROLOGICAL DISEASES: MOROCCAN SERIES**
Siham Aziz, R. Ibn Moufti, N. Tahiri-Jout, H. Fellah, A. Naya, I. Slassi, S. Zamiaty, *Morocco*
- 10:12 **TARGET ANTIGEN ANALYSIS IN ANTI-VGKC-COMPLEX-ANTIBODY-POSITIVE SPECTRUM DISORDERS**
Osamu Watanabe, M. Fukata, Y. Takata, K. Michizono, E. Matsuura, H. Takashima, *Japan*
- 10:30 *Coffee Break*

Tuesday, November 15, 2011

09:00-12:30

Hall I

TC23: Teaching Course*

MULTIPLE SCLEROSIS

Chairperson: **Michel Clanet, France**

PATHOGENESIS OF MS

Alastair Compston, UK

THE BOUNDARY BETWEEN MS AND NMO

Kazuo Fujihara, Japan

DIAGNOSIS OF MS

Michel Clanet, France

10:30-11:00 *Coffee Break*

**Pre-registration required*

09:00-12:30

Hall J

TC24: Teaching Course*

NEURO REHABILITATION

Chairperson: **Michael P. Barnes, UK**

THE MODERN MANAGEMENT OF SPASTICITY

Michael P. Barnes, UK

MODULAR MOTOR THERAPIES: BRIDGING THE GAP BETWEEN EVIDENCE BASED AND INDIVIDUALISED APPROACHES

Volker Hömberg, Germany

STROKE REHABILITATION IN CHILDREN

Kristina Müller, Germany

10:30-11:00 *Coffee Break*

**Pre-registration required*

Tuesday, November 15, 2011

09:00-12:30

Hall L

TC26: Teaching Course*

NEURO-OPHTHALMOLOGY

Chairperson: **Christopher Kennard, UK**

**UNDERSTANDING THE VISUAL BRAIN AND DIAGNOSING CENTRAL
DISORDERS OF VISION**

Christopher Kennard, UK

**WHAT THE EYES SAY ABOUT THE BRAIN: DIAGNOSING CENTRAL
DISORDERS OF EYE MOVEMENT**

Tim Anderson, New Zealand

**WHEN THE EYES DON'T MOVE TOGETHER: DIAGNOSING PERIPHERAL
AND CENTRAL CAUSES OF DIPLOPIA**

John Leigh, USA

10:30-11:00 *Coffee Break*

**Pre-registration required*

Tuesday, November 15, 2011

09:00-18:00

Hall 2

WS04: Workshop:

ELECTROMYOGRAPHY (EMG) HANDS ON

Chairperson: **Jun Kimura, USA**

09:00 **MOTOR NERVE CONDUCTION STUDIES**
Jun Kimura, USA

10:30 *Coffee Break*

11:00 **SENSORY NERVE CONDUCTION STUDIES**
Nazha Birouk, Morocco

12:30 *Lunch Break*

14:30 **REPETITIVE NERVE STIMULATION**
William J. Litchy, USA

16:00 *Coffee Break*

16:30 **REFLEXES AND LATE RESPONSES**
Josep Valls-Sole, Spain

**Pre-registration required*

Tuesday, November 15, 2011

09:00-18:00

Hall 3

WS02: Workshop:

ULTRASOUND-VESSELS: HAND

Chairperson: **Manfred Kaps, Germany**

PART I: BASIC TEACHING

09:00 **BASICS PHYSICS OF DIAGNOSTIC VASCULAR ULTRASOUND**

Fabienne Perren, Switzerland

09:30 **DOPPLER SPECTRUM**

Gerhard Michael von Reutern, Germany

10:00 **ANATOMY & HEMODYNAMICS**

Manfred Kaps, Germany

10:30 *Coffee Break*

PART II: GROUPS

11:00 **HANDS ON EXAM OF HEALTHY VOLUNTEER
(EXTRA CRANIAL & INTRACRANIAL)**

All Speakers

12:00 **CLASSIFICATION OF EXTRA CRANIAL STENOSIS**

Gerhard Michael von Reutern, Germany

12:30 *Lunch Break*

14:30 **PART III: CASE DEMONSTRATION**

Saadia Aidi, Morocco

Fabienne Perren, Switzerland

Gerhard Michael von Reutern, Germany

16:00 *Coffee Break*

16:30 **PART IV**

CLASSIFICATION OF INTRACRANIAL STENOSIS

Manfred Kaps, Germany

CLINICAL IMPLICATIONS OF ULTRASOUND FINDINGS

All Speakers

**Pre-registration required*

Tuesday, November 15, 2011

11:00-12:30

Hall A

Main Topic / Topic:

CONTROVERSIES IN NEURO-ONCOLOGY

Chairpersons: **Riccardo Soffietti, Italy**
Masao Matsutani, Japan

- 11:00 **LOW-GRADE GLIOMAS: PROS AND CONS OF RADIOTHERAPY AND CHEMOTHERAPY**
David Schiff, USA
- 11:20 **COGNITIVE DEFICITS FROM TUMOR AND TREATMENTS IN LOW GRADE GLIOMA**
Martin Klein, The Netherlands
- 11:40 **ANAPLASTIC GLIOMAS: AN EMERGING ENTITY**
Michael Weller, Switzerland
- 12:00 **ARE THERE STANDARDS OF CARE FOR PRIMARY CNS LYMPHOMA?**
Michael Weller, Switzerland
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

11:00-12:30

Hall B

Main Topic / Topic:

COGNITIVE IMPAIRMENT: EARLY DIAGNOSIS

Chairpersons: **Herman Buschke, USA**
Eduard Auff, Austria

- 11:00 **COGNITIVE MARKERS IN DEMENTIA**
Herman Buschke, USA
- 11:20 **NEUROIMAGING IN DEMENTIA**
Pei-Ning Wang, Taiwan R.O.C.
- 11:40 **MILD COGNITIVE IMPAIRMENT AND THE EARLY DIAGNOSIS OF DEMENTIA**
Eduard Auff, Austria
- 12:00 **BIOMARKERS IN DEMENTIA**
Rivka Ravid, The Netherlands
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

Tuesday, November 15, 2011

11:00-12:30

Hall C

Main Topic / Topic:

SLEEP DISORDERS: SESSION II

Chairpersons: **Hamid Ouahabi, Morocco**
Claudia Trenkwalder, Germany

11:00 **SUDDEN UNEXPLAINED NOCTURNAL DEATH**
Soichi Katayama, Japan

11:20 **ANTIEPILEPTICS AND SLEEP**
M. Ossama Abdulghani, Egypt

11:40 **NEUROLOGY OF INSOMNIA**
Hamid Ouahabi, Morocco

12:00 **ANTIPARKINSONIAN DRUGS AND SLEEP**
Beom S. Jeon, Republic of Korea

12:20 **DISCUSSION**

12:30 *Lunch Break*

11:00-12:30

Hall D

Main Topic / Topic:

NUTRITIONAL DISORDERS

Chairpersons: **Mohamed Elamine Eldirdiry, Sudan**
Leon Prockop, USA

11:00 **SYNDROMES ATTRIBUTED TO NUTRITIONAL DEFICIENCY**
Mohamed Elamine Eldirdiry, Sudan

11:20 **NEUROLOGIC DISORDERS DUE TO MALABSORPTION**
Leon Prockop, USA

11:40 **NUTRITIONAL DISORDER SECONDARY TO OTHER NEUROLOGIC DISORDERS**
Marco T. Medina, Honduras

12:00 **DISCUSSION**

12:30 *Lunch Break*

Tuesday, November 15, 2011

11:00-12:30

Hall 1

Main Topic / Topic:

VASCULAR MALFORMATIONS

Chairpersons: **Christian Stapf**, *France*
Martin Bendszus, *Germany*

11:00 **CEREBRAL ARTERIOVENOUS MALFORMATIONS**
Christian Stapf, *France*

11:30 **ADVANCED COILING FOR ANEURYSMS**
Martin Bendszus, *Germany*

12:00 **SURGERY OF CEREBRAL ANEURYSMS AND SUBARACHNOID
HEMORRHAGE**
Rachid Gana, *Morocco*

12:30 *Lunch Break*

Tuesday, November 15, 2011

11:00-12:30

Hall F

Free Papers 20: NEUROOPHTHALMOLOGY

Chairperson: **Ji-Soo Kim**, *Republic of Korea*

- 11:00 **PATTERNS OF SPONTANEOUS AND HEAD-SHAKING NYSTAGMUS IN CEREBELLAR INFARCTION: IMAGING CORRELATIONS**
Ji Soo Kim, Y.E. Huh, Republic of Korea
- 11:15 **HINTS TRIAD AND OTHER OCULOMOTOR SIGNS TO DIAGNOSE STROKE IN THE ACUTE VESTIBULAR SYNDROME**
Jorge C Kattah, USA
- 11:30 **NEUROLOGICAL RECOVERY POST ISCHAEMIC STROKE: THE OCULAR MOTOR SYSTEM AS A SURROGATE MARKER FOR MOTOR AND COGNITIVE RECOVERY**
Wei Dong, B. Yan, J. Fielding, L. Millist, S. Davis, O. White, China, Australia
- 11:45 **VESTIBULAR LOSS AFTER COCHLEAR IMPLANTATION**
Andy J. Beynon, E.A. Mylanus, The Netherlands
- 12:00 **CONFRONTATION WITH CONFRONTATION**
B. Kannan, V. Valavan, R. Lakshmi Narasimhan, R.M. Boopathy, India
- 12:15 **AN INTRODUCTION TO OPTICAL COHERENCE TOMOGRAPHY (OCT) IN NEUROLOGIC DISEASE**
Jacqueline Bernard, USA
- 12:30 *Lunch Break*

Tuesday, November 15, 2011

11:00-12:30

Hall G

Free Papers 21: NEUROPATHIES

Chairpersons: **Giuseppe Lauria**, *Italy*
Jean-Marc Léger, *France*

- 11:00 **OUTCOMES OF FILIPINO PATIENTS WITH GUILLAIN BARRE SYNDROME: (COMPARATIVE REVIEW BETWEEN INTRAVENOUS IMMUNOGLOBULIN AND PLASMA EXCHANGE: PHILIPPINE EXPERIENCE)**
Ross Allan Mariano Mendoza, L.F. Damian, *Philippines*
- 11:15 **HIGH PREVALENCE OF DISTAL SENSORY POLYNEUROPATHY IN ANTIRETROVIRAL-TREATED AND UNTREATED PEOPLE WITH HIV IN TANZANIA**
Stephen Mullin, A. Temu, S. Kalluvya, H. Manji, A. Grant, *UK*
- 11:30 **ULNAR NEUROPATHY AT THE ELBOW: EVALUATION OF THE ROLES OF ELBOW LEANING AND FLEXION, AND EFFICACY OF CONSERVATIVE MANAGEMENT**
John Stewart, *Canada*
- 11:45 **DIAGNOSTIC YIELD OF SURAL NERVE BIOSY IN PERIPHERAL NEUROPATHY**
Deepika Joshi, S.P. Patidar, R.N. Chaurasia, A.Z. Ansari, B. Kumar, T. Desai, *India*
- 12:00 **RETROSPECTIVE ANALYSIS OF CLINICAL AND ELECTROPHYSIOLOGICAL FEATURES OF SLOVENIAN PATIENTS WITH GUILLAIN-BARRÉ SYNDROME**
G. Omejec, **Simon Podnar**, *Slovenia*
- 12:15 **NERVE ULTRASOUND EXAMINATION. THE DEFINITION OF THE ANATOMICAL DAMAGE IN TRAUMATIC NEUROPATHIES: OVER A FUNCTIONAL EVALUATION**
Antonella Di Pasquale, G.A. Liotta, S. Loreti, S. Morino, G. Granata, C. Pazzaglia, G. Antonini, L. Padua, *Italy*
- 12:30 *Lunch Break*

Tuesday, November 15, 2011

11:00-12:30

Hall H

Free Papers 22: NEUROPATHIES

Chairperson: **Cindy Lin**, *Australia*
Adel Al-Jishi, *Bahrain*

- 11:00 **OXALIPLATIN-INDUCED NEUROTOXICITY: NEUROPHYSIOLOGICAL ASSESSMENT OF THE COMPLETE SPECTRUM FROM ACUTE COLD HYPERSENSITIVITY TO LONG-TERM NEUROPATHY**
Susanna B. Park, C.S. Lin, A.V. Krishnan, D. Goldstein, M.L. Friedlander, M.C. Kiernan, *Australia*
- 11:15 **EARLY CHANGES IN AXONAL FUNCTION IN DIABETIC PATIENTS PRIOR TO NEUROPATHY**
J.-Y. Sung, S.B. Park, R. Arnold, N. Kwai, A.V. Krishnan, **Cindy S.Y. Lin**, *Taiwan R.O.C.*
- 11:30 **TO WHAT EXTENT IS DIABETIC NEUROPATHY REVERSIBLE?**
Liborio Rampello, M. Malaguarnera, L. Rampello, G. Nicoletti, M. Zappia, *Italy*
- 11:45 **SERIAL ELECTRODIAGNOSTIC STUDIES INCREASE THE DIAGNOSTIC YIELD OF AXONAL GUILLAIN-BARRÉ SYNDROME**
Tammy Yun Ying Tsang, N. Yuki, E.Y. Tan, T. Umapathi, *Singapore*
- 12:00 **CORRELATION OF SERUM VASCULAR ENDOTHELIAL GROWTH FACTOR LEVELS WITH PLATELET COUNT IN POEMS SYNDROME**
Ha Young Shin, I.N. Sunwoo, S.M. Kim, *Republic of Korea*
- 12:15 **SOLUBLE VEGFR-1 AS A NOVEL MARKER OF ALS**
Akshay Anand, P. Gupta, K. Sharma, S. Prabhakar, *India*
- 12:30 *Lunch Break*

Tuesday, November 15, 2011

12:45-14:15

Hall D

4TH TOURNAMENT OF THE MINDS: QUALIFYING ROUND

Chairpersons: **Richard Stark**, *Australia*
Mohammed Faouzi Belahsen, *Morocco*

WFN member societies are invited to enter a team of 4 neurologists in the Tournament. Teams will compete with each other in a knockout competition, to answer questions on a range of neurological topics based on clinical cases from around the world; the questions will focus on visual material, videos and stills, with a minimum of text.

All teams will compete in a Qualifying Round. The 8 teams that achieve the highest scores will progress to a Semi-Final Round and compete in two groups of 4 teams, with the winners of each group advancing to the Final.

Tournament judges will award the winning team an attractive prize.

Tuesday, November 15, 2011

14:30-16:00

Hall A

COGNITIVE IMPAIRMENT: PATHOGENETICS AND TREATMENT

Chairpersons: **Bruce L. Miller, USA**
Howard Feldman, Canada

14:30 **ALZHEIMER'S DISEASE**
Howard Feldman, Canada

15:00 **FRONTO-TEMPORAL LOBE DEMENTIA**
Bruce L. Miller, USA

15:30 **VASCULAR COGNITIVE IMPAIRMENT AND VASCULAR DEMENTIA**
Natan Bornstein, Israel

16:00 *Coffee Break*

Tuesday, November 15, 2011

14:30-16:00

Hall B

Main Topic / Topic:

COMPLICATIONS OF SYSTEMIC CANCER AND TREATMENTS

Chairpersons: **Wolfgang Grisold, Austria**
David Schiff, USA

14:30 **BRAIN METASTASIS AND NEOPLASTIC MENINGITIS**
Riccardo Soffietti, Italy

15:00 **AUTOIMMUNE AND PARANEOPLASTIC ENCEPHALITIS**
Josep Dalmau, USA

15:30 **PERIPHERAL NEUROPATHIES**
Wolfgang Grisold, Austria

16:00 *Coffee Break*

14:30-16:00

Hall C

Main Topic / Topic:

NEUROIMAGING

Chairpersons: **Mohamed Jiddane, Morocco**
Steven Warach, USA

14:30 **NEUROIMAGING IN EPILEPTOGENIC TUMORS**
Jean Tamraz, Lebanon

15:00 **NEUROIMAGING IN WHITE MATTER DISEASES**
Mohamed Jiddane, Morocco

15:30 **ADVANCES IN NEURO IMAGING IN ACUTE STROKE**
Steven Warach, USA

16:00 *Coffee Break*

Tuesday, November 15, 2011

14:30-16:00

Hall D

Main Topic / Topic:

NEUROLOGY AND INTERNAL MEDICINE

Chairpersons: **Ilham Slassi**, *Morocco*
Aksel Siva, *Turkey*

14:30 **PRIMARY VASCULITIS OF THE NERVOUS SYSTEM**
Loic Guillevin, *France*

14:50 **NEUROLOGICAL SYNDROMES RELATED TO SICKLE CELL DISEASE**
Roman Sztajzel, *Switzerland*

15:10 **APL SYNDROM SD, NEUROLUPUS**
Ilham Slassi, *Morocco*

15:30 **NEUROLOGICAL INVOLVEMENT IN BEHÇET'S DISEASE**
Aksel Siva, *Turkey*

15:50 **DISCUSSION**

16:00 *Coffee Break*

Tuesday, November 15, 2011

14:30-16:00

Hall 1

Free Papers 23: NEUROPATHIES

Chairpersons: **Matthew Kiernan**, *Australia*
Naser Habib, *Libya*

- 14:30 **CHARCOT MARIE TOOTH DISEASE: CLINICAL, ELECTROPHYSIOLOGICAL AND GENETIC STUDY OF 104 MOROCCAN FAMILIES**
Nazha Birouk, A. Bouhouche, H. Belaidi, B. Kably, F. Lahjouji, A. Benomar, M. Yahyaoui, R. Ouazzani, *Morocco*
- 14:45 **AMYOTROPHIC LATERAL SCLEROSIS IN MOROCCAN POPULATION: AN OBSERVATORY STUDY OF 57 CASES**
Bouchra Kably, S. Elhadri, S. Tiziti, K. Rasmouni, A. Midaoui, F. Lahjouji, B. Benaaboud, O. Mouti, H. Belaidi, M. Yahyaoui, M. El Alaoui Faris, F. Belahsen, N. Birouk, R. Ouazzani, *Morocco*
- 15:00 **FAMILIAL AMYLOID POLYNEUROPATHY ASSOCIATED WITH TTRSER50ARG MUTATION IN MEXICO**
Alejandra Gonzalez Duarte, G. Garcia Ramos, D. Martinez Baños, J. Arteaga, V. Gijon-Mitre, R. Carlos, M. Berenger, H. Senties, E. Bruno, C. Carlos, *Mexico*
- 15:15 **ALTERATIONS OF MOTOR AND SOMATOSENSORY PATHWAYS FUNCTION IN THE PRESYMPTOMATIC SPINOCEREBELLAR ATAXIA TYPE 1 GENE CARRIERS**
Maria Rakowicz, A. Sułek-Piątkowska, E. Zdzienicka, R. Rola, E. Inglot, U. Zalewska, M. Więclawska, *Poland*
- THE ROLE OF MITOCHONDRIAL DYSFUNCTION IN THE PATHOGENESIS OF FRIEDREICH'S ATAXIA**
Wael Ahmed Fadel, H. Nassar, W. Ebrahim, W. Bahnacy, *Egypt*
- 15:30 **PRIMARY SENSORY NEURONS ARE RESISTANT TO TDP-43 PATHOLOGY IN AMYOTROPHIC LATERAL SCLEROSIS**
Kimihito Arai, Y. Yoshiyama, K. Ito, Y. Fujimaki, K. Shibuya, K. Kanai, S. Kuwabara, *Japan*
- 16:00 *Coffee Break*

Tuesday, November 15, 2011

14:30-16:00

Hall F

Free Papers 24: MISCELLANEOUS

Chairperson: **Beom Seok Jeon**, *Republic of Korea*

- 14:30 **SLEEP PROBLEMS IN CHILDREN ARE RELATED TO BEHAVIOR PROBLEMS**
Yasunori Oka, F. Horiuchi, *Japan*
- 14:42 **HOW TO DISTINGUISH NOCTURNAL FRONTAL LOBE EPILEPSY FROM NON-RAPID EYE MOVEMENT SLEEP PARASOMNIAS**
Amal Satté, J. Mounach, Y. Ouhmane, A. Zerhouni, H. Ouhabi, *Morocco*
- 14:54 **THE PHENOBARBITAL IN THE CARE OF PEOPLE WITH EPILEPSY IN THE NORTH COUNTRY TAMBERMA-TOGO**
Mofou Belo, K.M. Guinhouya, V.K. Kumako, K.E. Grunitzky, *Togo*
- 15:06 **NEUROLOGY IN FRANCE AND ENGLAND IN THE 19TH CENTURY: CHARCOT AND HUGHLINGS JACKSON**
Alexander Silvester, *UK*
- 15:18 **HISTORY OF NEUROLOGY: THE ARAB AND MOROCCAN CONTRIBUTION**
Nawal Adali, N. Louhab, N. Kissani, *Morocco*
- 15:30 **PAIN AND ITS ASSOCIATION WITH PSYCHOLOGICAL CHARACTERISTICS IN SEVERAL SUBGROUPS OF IN-PATIENTS AT A UNIVERSITY HOSPITAL IN RUSSIA**
Leyla Akhmadeeva, D. Teregulova, *Russia*
- 15:42 **TROPICAL SPASTIC PARAPARESIS: A MAJOR NEUROLOGIC PROBLEM IN CAUNGULA- ANGOLA RELATED TO CYANIDE OF CASSAVA: FIRST REPORT FROM ANGOLA**
Miguel Santana Bettencourt Mateus, M.M. Paquise, A. Zangulo, I. Resende, *Angola*
- 16:00 *Coffee Break*

Tuesday, November 15, 2011

14:30-18:00

Hall I

TC28: Teaching Course*

NEUROIMMUNOLOGICAL DISEASES

Chairperson: **Marc de Baets**, *The Netherlands*

AUTOIMMUNE ANTI-RECEPTOR DISEASES: MYASTHENIA GRAVIS

Marc de Baets, *The Netherlands*

AUTOIMMUNE NEUROLOGY OF THE CENTRAL NERVOUS SYSTEM

Sean Pittock, *USA*

NEUROMYELITIS OPTICA SPECTRUM DISORDERS

Brigitte Wildemann, *Germany*

16:00-16:30 *Coffee Break*

**Pre-registration required*

14:30-18:00

Hall K

TC30: Teaching Course*

PALLIATIVE CARE

Chairperson: **Marianne de Visser**, *The Netherlands*

PALLIATIVE CARE IN NEUROLOGY - AN OVERVIEW

Gian Domenico Borasio, *Germany*

PALLIATIVE CARE IN SEVERE TRAUMATIC BRAIN INJURY: WHEN, WHY, HOW?

Pieter E. Vos, *The Netherlands*

ALS, A PARADIGMATIC DISEASE FOR PALLIATIVE CARE

Marianne de Visser, *The Netherlands*

16:00-16:30 *Coffee Break*

**Pre-registration required*

Tuesday, November 15, 2011

14:30-18:00

Hall L

TC31: Teaching Course*
NEUROOTOLOGY

Chairperson: **Adolfo Bronstein, UK**

ACUTE AND EPISODIC VERTIGO - DIFFERENTIAL AND TREATMENT
Thomas Brandt, *Germany*

POSITIONAL VERTIGO: DIAGNOSIS AND TREATMENT
Ji-Soo Kim, *Republic of Korea*

CHRONIC DIZZINESS AND UNSTEADINESS
Adolfo Bronstein, *UK*

16:00-16:30 *Coffee Break*

**Pre-registration required*

16:30-18:00

Hall A

Main Topic / Topic:

COGNITIVE IMPAIRMENT IN DEVELOPING COUNTRIES

Chairpersons: **Mostafa El Alaoui Faris, Morocco**
Paulo Caramelli, Brazil

16:30 **DEMENTIA IN THE DEVELOPING WORLD**
Adesola Ogunniyi, *Nigeria*

16:50 **TESTING COGNITIVE DISORDERS IN NON-OCCIDENTAL LANGUAGES**
Mostafa El Alaoui Faris, *Morocco*

17:10 **TESTING COGNITIVE DISORDERS IN AN HETEROGENEOUS
EDUCATIONAL ENVIRONMENT**
Paulo Caramelli, *Brazil*

17:30 **EARLY-ONSET DEMENTIA**
Maria Benabdeljilil, *Morocco*

**Pre-registration required*

Tuesday, November 15, 2011

16:30-18:00

Hall B

Main Topic / Topic:

BRAIN HEMORRHAGE

Chairpersons: **Daniel Hanley, USA**
Thorsten Steiner, Germany

- 16:30 **MECHANISMS OF RECOVERY IN PARENCHYMAL BRAIN HEMORRHAGE**
Guohua Xi, *USA*
- 16:50 **ADVANCES IN THE ACUTE TREATMENT OF INTACEREBRAL AND INTRAVENTRICULAR HEMORRHAGE**
Daniel Hanley, *USA*
- 17:10 **ANTICOAGULATION ASSOCIATED HEMORRHAGE: ACUTE AND LONG TERM TREATMENT**
Thorsten Steiner, *Germany*
- 17:30 **FACTOR VII REVISITED**
Stephen M. Davis, *Australia*
- 17:50 **DISCUSSION**

16:30-18:00

Hall C

Main Topic / Topic:

INTERVENTIONAL NEURORADIOLOGY

Chairpersons: **Serge Bracard, France**
Randall T. Higashida, USA

- 16:30 **RECENT ADVANCES IN IMAGING & TREATMENT OF ACUTE ISCHEMIC STROKE**
Randall T. Higashida, *USA*
- 16:50 **INTRACRANIAL DISSECTIONS**
Serge Bracard, *France*
- 17:10 **INTRACRANIAL STENTING FOR CEREBRAL ATHEROSCLEROSIS**
Pedro Lylyk, *Argentina*
- 17:30 **SPINAL CORD VASCULAR LESIONS: DIAGNOSIS & TREATMENT**
Rachid El Hassani, *Morocco*
- 17:50 **DISCUSSION**

Tuesday, November 15, 2011

16:30-18:00

Hall D

Main Topic / Topic:

NEW TREATMENTS IN NEUROLOGY: SESSION I

Chairpersons: **Alastair Compston, UK**
Hans-Christoph Diener, Germany

16:30 **INFECTIOUS DISEASES**
Elly Katabira, Uganda

16:50 **STROKE**
Ka Sing Lawrence Wong, Hong Kong S.A.R.

17:10 **MULTIPLE SCLEROSIS**
Alastair Compston, UK

17:30 **HEADACHE AND PAIN**
Hans-Christoph Diener, Germany

17:50 **DISCUSSION**

16:30-18:00

Hall 1

Daily Debate I: EPILEPSY

Chairpersons: **William Carroll, Australia**
Abdellatif Medejel, Morocco

16:30 **VALPROATE SHOULD NOT BE USED IN WOMEN WITH JUVENILE MYOCLONIC EPILEPSY CONTEMPLATING PREGNANCY**

For: **Hassan S. Hosny, Egypt**

Against: **Shih-Hui Lim, Singapore**

Wednesday, November 16, 2011

07:00-08:00

Hall D

TC33: Teaching Course*

HOW TO EXAMINE A PATIENT WITH DIPLOPIA (*Free*)

Chairperson: **Christopher Kennard, UK**

07:00 **HOW TO EXAMINE A PATIENT WITH DIPLOPIA**
Christopher Kennard, UK

**Pre-registration required*

08:00-09:00

Hall A

PLENARY LECTURES 7 & 8

Chairpersons: **Christopher Kennard, UK**
Riadh Gouider, Tunisia

08:00 **THE NEUROLOGY OF HIV**
The Eddie And Pilo Bharucha Lecture
Elly Katabira, Uganda

08:30 **STEM CELL THERAPY - BRAIN REPAIR**
Simon A. Koblar, Australia

Wednesday, November 16, 2011

09:00-10:30

Hall A

Main Topic / Topic:

NEUROMYELITIS OPTICA

Chairpersons: **Michel Clanet, *France***
Hans Lassmann, *Austria*

09:00 **THE ROLE OF AQUAPORIN 4 IN THE PATHOGENESIS OF NMO**
Romain Marignier, *France*

09:30 **COMPARATIVE PATHOLOGY OF MULTIPLE SCLEROSIS AND
NEUROMYELITIS OPTICA**
Hans Lassmann, *Austria*

10:00 **THE PHENOTYPES OF NEUROMYELITIS OPTICA AND MULTIPLE
SCLEROSIS**
Kazuo Fujihara, *Japan*

10:30 *Coffee Break*

09:00-10:30

Hall B

Main Topic / Topic:

MUSCLE DISEASES: SESSION I

Chairpersons: **Reinhard Hohlfeld, *Germany***
Ichizo Nishino, *Japan*

09:00 **ACUTE RHABDOMYOLYSIS: DIAGNOSIS AND MANAGEMENT**
Antonio Toscano, *Italy*

09:20 **IMMUNE MEDIATED MYOPATHIES**
Reinhard Hohlfeld, *Germany*

09:40 **RECENT ADVANCES IN METABOLIC MYOPATHY**
Ichizo Nishino, *Japan*

10:00 **MOLECULAR THERAPEUTIC STRATEGIES IN DUCHENNE MUSCULAR
DYSTROPHY**
Emma Ciafaloni, *USA*

10:20 **DISCUSSION**

10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-10:30

Hall C

Main Topic / Topic:

AUTONOMIC DISORDERS

Chairpersons: **David B. Vodusek**, *Slovenia*
Roy Freeman, *USA*

09:00 **AUTONOMIC TESTING - NEW AND OLD**
Roy Freeman, *USA*

09:20 **NEUROGENIC URINARY TRACT DYSFUNCTION**
David B. Vodusek, *Slovenia*

09:40 **AUTONOMIC DYSFUNCTION IN GENETIC DISORDERS**
Pietro Cortelli, *Italy*

10:00 **CHRONIC VISCERAL PAIN**
Eduardo E. Benarroch, *Brazil*

10:20 **DISCUSSION**

10:30 *Coffee Break*

09:00-10:30

Hall D

Regional Session:

PAUNS

Chairpersons: **Ahmad Khalifa**, *Syria*
Zohair Kawi, *Saudi Arabia*

09:00 **NEUROBEHCET DISEASE**
Zohair Kawi, *Saudi Arabia*

09:20 **CHRONIC CEREBROSPINAL VENOUS INSUFFICIENCY IN MULTIPLE SCLEROSIS**
Bassem Yamout, *Lebanon*

09:40 **NEUROLOGICAL COMPLICATION OF CARDIAC SURGERY**
Ahmad Khalifa, *Syria*

10:00 **GENETICS OF SPASTIC PARAPLEGIA**
Chokri Mhiri, *Tunisia*

10:20 **DISCUSSION**

10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-10:30

Hall 1

Regional Session:

FUNCTIONAL NEUROSURGERY

Chairpersons: **Fouad Bellakhdar**, *Morocco*
Tipu Aziz, *USA*

- 09:00 **DEEP BRAIN STIMULATION FOR EPILEPSY**
Christian Elger, *Germany*
- 09:20 **DEEP BRAIN STIMULATION FOR NEUROPATHIC PAIN**
Tipu Aziz, *USA*
- 09:40 **SURGICAL TREATMENT OF CERVICAL DYSTONIA: DEEP BRAIN STIMULATION VERSUS SELECTIVE DORSAL RAMISECTOMY**
Badih Adada, *Lebanon*
- 10:00 **PERCUTANEOUS THERMOCOAGULATION IN THE TREATMENT OF TRIGEMINAL NEURALGIA**
Fouad Bellakhdar, *Morocco*
- 10:20 **DISCUSSION**
- 10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-10:30

Hall F

Free Papers 30: NEUROPSYCHOLOGY AND DEMENTIA

Chairpersons: **Ana Mercedes Robles de Hernandez**, *Dominican Rep*
Fatima Boutbibe, *Morocco*

- 09:00 **SALIENCE NETWORK CONNECTIVITY REFLECTS THE LEVEL OF CONSCIOUSNESS IN NON-COMMUNICATIVE BRAIN-DAMAGED PATIENTS**
Athena Demertzi, A. Vanhauzenhuyse, A. Soddu, L. Tshibanda, M. Boly, M. Thonnard, O. Gosseries, C. Schnakers, M.-A. Bruno, C. Chatelle, A. Thibaut, V. Charland, G. Moonen, S. Laureys, Coma Science Group, Cyclotron Research Center, *Belgium*
- 09:15 **THE IMPACT OF IMMUNE RECONSTITUTION ON COGNITIVE FUNCTIONS IN HIV/AIDS PATIENTS ON HIGHLY ACTIVE ANTIRETROVIRAL THERAPY (HAART)**
Olubunmi Akindele Ogunrin, Y.O. Obiabo, A.S. Ogun, *Nigeria*
- 09:30 **STRESS INDUCED DYSREGULATION OF BDNF-TRKB SIGNALING CASCADES IN HIPPOCAMPUS OF LEARNED HELPLESSNESS MODEL OF RATS**
Ritabrata Banerjee, A.C. Mondal, M. Das, A.K. Ghosh, B. Ghosh, *India*
- 09:45 **ROLE OF ERK SIGNALING IN ANIMAL MODEL OF DEPRESSION: EFFECT OF CHRONIC ANTIDEPRESSANT TREATMENT**
Amal Chandra Mondal, R. Banerjee, B. Ghosh, *India*
- 10:00 **BODY DYSMORPHIC DISORDER DRIFT TOWARD FRONTO-TEMPORAL DEMENTIA**
Patrizia Francesca Fiori, A. Monaco, L.M. Giannetti, *Italy*
- 10:15 **PROLONGED VISUAL MEMORY ENHANCEMENT AFTER DIRECT CURRENT STIMULATION IN ALZHEIMER'S DISEASE**
Alberto Priori, P.S. Boggio, R. Ferrucci, F. Mameli, D. Martins, O. Martins, M. Vergari, E. Scarpini, F. Fregni, S. Barbieri, *Italy*
- 10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-10:30

Hall G

Free Papers 31: CHILD NEUROLOGY

Chairpersons: **Paolo Curatolo**, *Italy*
Mustafa A.M. Salih, *Saudi Arabia*

- 09:00 **CHILDHOOD-ONSET NEURODEGENERATION ASSOCIATED WITH PLA2G6 GENE MUTATIONS: AN EVOLVING ENTITY OF RECESSIVE ATAXIA SYNDROME**
Mustafa A.M. Salih, E. Mundwiller, A.O. Khan, A. Aldrees, S.A. Elmalik, H.H. Hassan, M. Al-Owain, H.M.S. Alkhalidi, I. Katona, M.M. Kabiraj, A.Y. Kentab, H. Alzaidan, T.M. Bosley, J. Weis, M. Koenig, G. Stevanin, H. Azzedine, *Saudi Arabia*
- 09:15 **STROKE IN CHILDREN WITH CARDIAC DISORDERS: RESULTS OF THE INTERNATIONAL PEDIATRIC STROKE STUDY**
Michael Dowling, L. Hynan, W. Lo, D. Licht, C. McClure, J. Yager, G. deVeber, S. Pavlakis, International Pediatric Stroke Study Group, *USA*
- 09:30 **CORTICAL SURFACE AREA, CORTICAL THICKNESS AND WHITE MATTER MICROSTRUCTURE RELATE TO IQ IN PRETERM BORN VERY-LOW-BIRTH-WEIGHT (VLBW) YOUNG ADULTS**
Jon Skranes, G.C. Løhaugen, L. Eikenes, M. Martinussen, A. Håberg, A.-M. Brubakk, A.M. Dale, *Norway*
- 09:45 **LEVETIRACETAM IN TOURETTE SYNDROME: A CONTROLLED DOUBLE BLIND, PLACEBO CONTROLLED STUDY**
Y. Awaad, **Tamer Rizk**, *Saudi Arabia*
- 10:00 **DISCUSSION**
- 10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-10:30

Hall H

Free Papers 32: NEUROPHYSIOLOGY

Chairpersons: **Imaharu Nakano**, *Japan*
Mohamed El-Tamawy, *Egypt*

- 09:00 **INTRAOPERATIVELY CONTROLLED MENINGIOMA RESECTION INVOLVED THE ROLANDIC REGION BY PRIMARY MOTOR CORTEX MAPPING**
Svatopluk Ostry, D. Netuka, L. Stejskal, V. Benes, *Czech Republic*
- 09:15 **HOW MONITORING DISEASE PROGRESSION IN AMYOTROPHIC LATERAL SCLEROSIS (ALS) PATIENTS USING MUNE AND MACRO-EMG**
T. Bocci, M. Caleo, C. Rossi, S. Tognazzi, L. Briscese, F. Giannini, A. Rossi, **Ferdinando Sartucci**, *Italy*
- 09:30 **CHARACTERISTICS OF THE LONG LATENCY VESTIBULAR ELECTRICAL EVOKED POTENTIAL IN CONTROL HUMAN SUBJECTS: PHYSIOLOGIC SCALP RESPONSE OR ELECTRICAL ARTIFACT?**
Benn Smith, M. Cevette, J. Stepanek, D. Cocco, K. Brookler, G. Pradhan, D. Zapala, M. Ross, *USA*
- 09:45 **CERVICAL RADICULAR PAIN INDUCED NEUROPLASTICITY IN SOMATOSENSORY PATHWAY**
Amira El Gohary, N. Shalaby, A. Sobhi, *Egypt*
- 10:00 **COGNITIVE DYSFUNCTION AFTER GENERAL VERSUS REGIONAL ANESTHESIA ASSESSED BY P300 WAVE**
Amira El Gohary, A. Niazi, *Egypt*
- 10:15 **GUILLAIN-BARRÉ SYNDROME: A CLINICAL AND ELECTROPHYSIOLOGIC STUDY OF 446 MOROCCAN CASES**
Bouchra Benaaboud, N. Birouk, L. Erreguig, B. Kably, A. Midaoui, H. Belaidi, R. Razine, S. Aïdi, M. Benabdeljilil, M. Rahmani, E.H. Aït Benhaddou, O. Regragui, F. Belahsen, M. Yahyaoui, M. El Alaoui, Faris, R. Ouazzani, *Morocco*
- 10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-12:30

Hall I

TC48: Teaching Course*

BREAKING BAD NEWS

Chairperson: **Charles J. Vecht**, *The Netherlands*

BREAKING THE NEWS IN ALS: LESSONS LEARNED FROM PATIENTS

Gian Domenico Borasio, *Germany*

GENETIC COUNSELING OF FAMILY-MEMBERS: CONFRONTED WITH MYOTONIC DYSTROFIA AND HUNTINGTON'S DISEASE

Marianne de Visser, *The Netherlands*

BRAIN TUMORS: A JOURNEY THROUGH BAD AND GOOD NEWS

Charles J. Vecht, *The Netherlands*

10:30-11:00 *Coffee Break*

**Pre-registration required*

09:00-12:30

Hall J

TC35: Teaching Course*

PAIN

Chairperson: **Giorgio Cruccu**, *Italy*

NEUROPATHIC PAIN AND ITS MECHANISMS

Praveen Anand, *UK*

CLINICAL CHARACTERISTICS AND DIAGNOSTIC INVESTIGATIONS

Claudia Sommer, *Germany*

TREATMENT OF NEUROPATHIC PAIN

Giorgio Cruccu, *Italy*

10:30-11:00 *Coffee Break*

**Pre-registration required*

Wednesday, November 16, 2011

09:00-10:30

Hall L

Free Papers 33: MISCELLANEOUS

Chairperson: **Franz Gerstenbrand**, *Austria*

- 09:00 **THE STUDY AND DATE ANALYSIS OF INTERICTAL EEG IN EPILEPTIC PATIENTS**
Irma Khachidze, M. Gugushvili, V. Maloletnev, *Georgia*
- 09:15 **CACNG2 AFFECTS GENETIC SUSCEPTIBILITY TO CHRONIC PAIN**
Ariel Darvasi, J. Nissenbaum, M. Devor, *Israel*
- 09:30 **THE NOCICEPTION COMA SCALE - REVISED, A SENSITIVE SCALE TO ASSESS NOCICEPTION IN PATIENTS WITH DISORDERS OF CONSCIOUSNESS**
Camille Chatelle, S. Majerus, J. Whyte, S. Laureys, C. Schnakers, *Belgium*
- 09:45 **TRANSCULTURAL CONSIDERATIONS IN NEUROETHICS**
Franz Gerstenbrand, S. Wasti, S. Golaszewski, A. Kunz, *Austria*
- 10:00 **END-OF-LIFE ATTITUDES ARE MEDIATED BY OPINIONS ON PAIN PERCEPTION IN PATIENTS WITH DISORDERS OF CONSCIOUSNESS**
Athena Demertzi, M.-A. Bruno, D. Ledoux, A. Vanhaudenhuyse, O. Gosseries, M. Thonnard, A. Soddu, G. Moonen, S. Laureys, Coma Science Group, Cyclotron Research Center, *Belgium*
- 10:15 **DISCUSSION**
- 10:30 *Coffee Break*

Wednesday, November 16, 2011

09:00-18:00

Hall 3

WS05: Workshop:

THERAPEUTIC USE OF BOTULINUM TOXIN

Chairperson: **Christophe Vial**, *France*

09:00-10:30 **PART I: PHARMACOLOGY - CERVICAL DYSTONIA**

PHARMACOLOGY OF BOTULINUM TOXIN THE USE OF BT IN TREATMENT OF CERVICAL DYSTONIA

10:30-11:00 *Coffee Break*

11:00-12:30 **PART II: CRANIO-FACIAL, LARYNGEAL AND OTHERS
FOCAL DYSTONIA**

THE USE OF BOTULINUM TOXIN IN TREATMENT OF HEMI FACIAL SPASM, BLEPHAROSPASM AND EYELID APRAXIA, OROMANDIBULAR DYSTONIA, SPASMODIC DYSPHONIA

THE USE OF BOTULINUM TOXIN IN TREATMENT OF OTHERS FOCAL DYSTONIA: WRITER'S CRAMPS, DYSTONIA AND PARKINSON

12:30-14:30 *Lunch Break*

14:30-16:00 **PART III: SPASTICITY, MISCELLANEOUS**

SPASTICITY IN ADULTS SPASTICITY IN CHILDREN: SPECIFICITY MISCELLANEOUS: TREMOR, TICS, HYPERHYDROSIS, FREY SYNDROME EMERGING USE: HEADACHE, PAIN, SPASTIC BLADDER

16:00-16:30 *Coffee Break*

16:30-18:00 **PART IV: VIDEOS AND PRACTICE**

VIDEO CASES: PRACTICAL CASES, CHOICE OF INJECTION SITES, DOSAGES

DEMONSTRATION SESSIONS USING ELECTRONIC VIRTUAL INJECTION STIMULATOR (ELVIS) MANNEQUINS

Advisory Panel:

Christophe Vial, *France*

Ouafae Messouak, *Morocco*

Marie-Hélène Marion, *UK*

Pierre Krystkoviak, *France*

**Pre-registration required*

Wednesday, November 16, 2011

11:00-12:30

Hall A

Main Topic / Topic:

MULTIPLE SCLEROSIS

Chairpersons: **Alastair Compston, UK**
Michel Clanet, France

11:00 **DIAGNOSTIC CRITERIA OF MULTIPLE SCLEROSIS**

Thomas Berger, Austria

11:30 **EMERGING THERAPIES**

Michel Clanet, France

12:00 **GENETIC EPIDEMIOLOGY**

Alastair Compston, UK

12:30 *Lunch Break*

11:00-12:30

Hall B

Main Topic / Topic:

MUSCLE DISEASES: SESSION II

Chairpersons: **Nazha Birouk, Morocco**
Zohar Argov, Israel

11:00 **DISTAL MYOPATHIES**

Jean Pouget, France

11:30 **AUTOSOMAL RECESSIVE LIMB GIRDLE MUSCULAR DYSTROPHIES**

Nazha Birouk, Morocco

12:00 **GNE MYOPATHY (HIBM/DMRV): ON THE DOORSTEP OF THERAPY**

Zohar Argov, Israel

12:30 *Lunch Break*

Wednesday, November 16, 2011

11:00-12:30

Hall C

Main Topic / Topic:

CHILD NEUROLOGY: SESSION I

Chairpersons: **Harry T. Chugani, USA**
Russell Dale, Australia

11:00 **AUTOIMMUNE ENCEPHALOPATHIES OF CHILDHOOD**
Russell Dale, Australia

11:30 **NEUROIMAGING OF DEVELOPMENTAL DISORDERS**
Harry T. Chugani, USA

12:00 **UPDATE ON TUBEROUS SCLEROSIS**
Paolo Curatolo, Italy

12:30 *Lunch Break*

11:00-12:30

Hall D

Main Topic / Topic:

METABOLIC AND MITOCHONDRIAL DISEASES

Chairpersons: **Antonio Federico, Italy**
Salvatore DiMauro, USA

11:00 **GLYCOGEN STORAGE DISEASES**
Salvatore DiMauro, USA

11:30 **DISORDERS OF LIPID METABOLISM**
Ingrid Tein, Canada

12:00 **LATE-ONSET MITOCHONDRIAL NEURODEGENERATIVE DISORDERS:
FROM BENCH TO BED AND BACK**
Antonio Federico, Italy

12:30 *Lunch Break*

Wednesday, November 16, 2011

11:00-12:30

Hall 1

Main Topic / Topic:

ENVIRONMENT, CULTURES & NEUROSCIENCES: SESSION I

Chairpersons: **Marco T. Medina**, *Honduras*
Gilbert Avode, *Benin*

- 11:00 **EPILEPSY STIGMA IN LATIN AMERICA**
Alejandro Scaramelli, Uruguay
- 11:20 **CULTURAL IMPACT ON MANAGEMENT OF NEUROLOGICAL DISORDERS IN AFRICA**
Gilbert Avode, Benin
- 11:40 **FROM MANLNUTRITION TO METABOLIC SYNDROME: A LATIN AMERICAN PERSPECTIVE OF THEIR NEUROLOGIC CONSEQUENCES**
Marco T. Medina, Honduras
- 12:00 **NEUROLOGICAL CONSEQUENCES OF THE CLIMATE CHANGE**
Jacques Reis, France
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

Wednesday, November 16, 2011

11:00-12:30

Hall G

Free Papers 35: HEADACHE

Chairpersons: **David Dodick, USA**
Zouhair Laaouina, Morocco

- 11:00 **HEADACHE SYMPTOMS OF THE PREEMPT POPULATION**
David Dodick, C. Turkel, R. DeGryse, N. Mathew, USA
- 11:15 **TRANSDERMAL SUMATRIPTAN FOR ACUTE TREATMENT OF MIGRAINE**
Jerome Goldstein, USA
- 11:30 **PREVALENCE OF MIGRAINE AND HEADACHE IN MOROCCAN SCHOOLCHILDREN**
Zouhair Laaouina, Morocco
- 11:45 **COMPARISONS OF DISABILITY, HRQOL AND RESOURCE USE BETWEEN CHRONIC AND EPISODIC MIGRAINEURS:A STUDY FROM TWO HEADACHE CLINICS IN TAIWAN**
Shuu-Jiun Wang, P.-J. Wang, J.-L. Fuh, K. Ng, Taiwan R.O.C.
- 12:00 **EFFECTS OF ANTIEPILEPTIC DRUGS ON SPREADING DEPRESSION IN THE CHICK RETINA: IMPLICATIONS FOR MIGRAINE PROPHYLAXIS**
João Baptista Mascarenhas De Moraes Neto, J.C. Houzel, L. Cavalcante, Brazil
- 12:15 **ONABOTULINUMTOXINA FOR TREATMENT OF CHRONIC MIGRAINE: POOLED RESULTS FROM THE DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED PHASE OF THE PREEMPT CLINICAL PROGRAM**
David Dodick, S. Aurora, C. Turkel, R. DeGryse, S. Silberstein, R. Lipton, H.C. Diener, M. Brin, USA
- 12:30 *Lunch Break*

Wednesday, November 16, 2011

11:00-12:30

Hall H

Free Papers 36: HEADACHE

Chairpersons: **Pei-Ning Wang**, *Taiwan R.O.C.*
Saadia Aidi, *Morocco*

- 11:00 **AIRPLANE HEADACHE: A NOVEL ENTITY?**
F. Mainardi, C. Lisotto, F. Maggioni, **Giorgio Zanchin**, *Italy*
- 11:15 **ARE THE DESTRUCTIVE NEUROSURGICAL TECHNIQUES AS EFFECTIVE AS MICROVASCULAR DECOMPRESSION IN THE MANAGEMENT OF TRIGEMINAL NEURALGIA?**
Abdessamad El Ouahabi, M. Laghmari, Y. Arkha, S. Derraz,
A. El Khamlichi, *Morocco*
- 11:30 **EFFICACY OF NATUROPATHY ON MODULATION OF SYMPATHOVAGAL BALANCE AND CLINICAL SYMPTOMS IN MIGRAINE PATIENTS**
Talakad N. Sathyaprabha, R. Kisan, M. Sujana, R. Raghavendra,
B.T. Chidananda Murthy, A. Nalini, T. Raju, *India*
- 11:45 **HEADACHE WITH FACIAL PAIN: THE TAC-TIC COMPLEX**
Bimsara Senanayake, *Sri Lanka*
- 12:00 DISCUSSION
- 12:30 *Lunch Break*

Wednesday, November 16, 2011

11:00-12:30

Hall L

Free Papers 37: COMA AND MISCELLANEOUS

Chairpersons: **Randi Eikeland**, *Norway*
Ahmad Khalifa, *Syria*

- 11:00 **THE EXTENDED LOCKED-IN SYNDROME**
M. Seidl, **Stefan Golaszewski**, A. Kunz, E. Trinka, F. Gerstenbrand, *Austria*
- 11:15 **CHANGES IN FMRI RESTING STATE ACTIVITY DURING PROPOFOL INDUCED UNCONSCIOUSNES**
Ithabi Sylvia Gantner, P. Guldenmund, A. Demertzi, A. Vanhauzenhuysse, P. Boveroux, M. Boly, S. Laureys, A. Soddu,
Coma Science Group & University Hospital of Liège, *Belgium*
- 11:30 **THALAMUS CONTROLS RECOVERY IN MINIMALLY CONSCIOUS AND VEGETATIVE STATES**
Johan Stender, C. Chatelle, A. Thibaut, M.-A. Bruno, O. Gosseries, C. Schnakers, V. Charland, M. Thonnard, A. Demertzi, A. Vanhauzenhuysse, E. Ziegler, M. Boly, R. Kupers, A. Gjedde, S. Laureys, *Denmark, Belgium*
- 11:45 **FREQUENCY AND RISK FACTORS FOR HIV-ASSOCIATED DEMENTIA IN MALI**
Toumany Coulibaly, M. Karambe, A.S. Sissoko, S. Berthe, S. Siona, C.O. Guinto, M. Traore, *Mali*
- 12:00 **PREDICTORS OF HEALTH RELATED QUALITY OF LIFE AND FATIGUE 30 MONTHS AFTER TREATMENT FOR EUROPEAN NEUROBORRELIOSIS**
Randi Eikeland, Å. Mygland, K. Herlofson, U. Ljøstad, *Norway*
- 12:15 **THE IMPACT OF ROUTINE CRYPTOCOCCAL SCREENING AND TREATMENT ON MORTALITY AMONG HIV-INFECTED INDIVIDUALS WITH CD4 \leq 100 IN NYANZA PROVINCE, KENYA**
Ana-Claire Meyer, C. Kendi, J. Penner, B. Otieno, E. Omondi, E.A. Bukusi, C.R. Cohen, *USA*
- 12:30 *Lunch Break*

Wednesday, November 16, 2011

12:45-14:15

Hall C

4TH TOURNAMENT OF THE MINDS: SEMI-FINAL

Chairpersons: **Raad Shakir, UK**
Pierre Clavelou, France
Karl Vass, Austria

12:45-14:15

Hall D

4TH TOURNAMENT OF THE MINDS: SEMI-FINAL

Chairpersons: **David Perkin, UK**
Richard Stark, Australia

The winners of each group will advance to the Final.

Tournament judges will award the winning team an attractive prize.

Wednesday, November 16, 2011

12:45-14:15

Hall A

Merck Serono Sponsored Symposium: TOWARDS INDIVIDUALIZED TREATMENT IN MS

Chairpersons: **Magnhild Sandberg-Wollheim**, *Sweden*
Mohamed Yahyaoui, *Morocco*

INTRODUCTION: SUPPORTING PATIENTS THROUGHOUT THEIR DISEASE

Magnhild Sandberg-Wollheim, *Sweden*
Mohamed Yahyaoui, *Morocco*

ACHIEVING SUCCESS IN MS THERAPY: INDIVIDUALIZED TREATMENT FROM FIRST PRESENTATION

Giancarlo. Comi, *Italy*

ADDRESSING PATIENT NEEDS TO OPTIMIZE ADHERENCE

Anthony Traboulsee, *Canada*

PREGNANCY OUTCOMES FOLLOWING SC INTERFERON BETA-1A TREATMENT

Magnhild Sandberg-Wollheim, *Sweden*

ADD-ON THERAPY TO SC INTERFERON BETA-1A: POTENTIAL NEW APPROACHES

Per Soelberg Sørensen, *Denmark*

CONCLUDING REMARKS AND Q&A

Magnhild Sandberg-Wollheim, *Sweden*
Mohamed Yahyaoui, *Morocco*

Wednesday, November 16, 2011

14:30-16:00

Hall A

Main Topic / Topic:

IMMUNOTHERAPY IN NEUROLOGICAL DISEASES

Chairpersons: **Reinhard Hohlfeld, *Germany***
Josep Dalmau, *USA*

14:30 **PLASMA-SEPARATION AND IMMUNADSORPTION**
Pam McCombe, *Australia*

15:00 **NOVEL IMMUNOMODULATING THERAPIES**
Reinhard Hohlfeld, *Germany*

15:30 **MODERN CONCEPTS OF IMMUNE SUPPRESSIVE THERAPIES**
Josep Dalmau, *USA*

16:00 *Coffee Break*

14:30-16:00

Hall B

Main Topic / Topic:

NEUROPATHIES SESSION I

Chairpersons: **Richard A.C. Hughes, *UK***
Meryem Tazir, *Algeria*

14:30 **GBS AND CIDP**
Richard A.C. Hughes, *UK*

15:00 **INFECTIOUS NEUROPATHIES**
Meryem Tazir, *Algeria*

15:30 **SKIN BIOPSY**
Giuseppe Lauria, *Italy*

16:00 *Coffee Break*

Wednesday, November 16, 2011

14:30-16:00

Hall C

Main Topic / Topic:

CHILD NEUROLOGY: SESSION II

Chairpersons: **Najoua Miladi, Tunisia**
Jo Wilmshurst, South Africa

14:30 **LEUCODYSTROPHIES**

Najoua Miladi, Tunisia

15:00 **EARLY MANAGEMENT OF CEREBRAL PALSY, TUNISIA**

Fatma Kammoun, Tunisia

15:30 **NEUROLOGICAL ASPECTS OF AIDS IN CHILDREN**

Jo Wilmshurst, South Africa

16:00 *Coffee Break*

14:30-16:00

Hall D

Main Topic / Topic:

CLINICAL NEURO-PHYSIOLOGY

Chairpersons: **Riadh Gouider, Tunisia**
Jun Kimura, USA

14:30 **ELECTROMYOGRAPHIC CRITERIA FOR THE DIAGNOSIS OF
AMYOTROPHIC LATERAL SCLEROSIS**

Jun Kimura, USA

14:50 **USEFULNESS OF NERVE CONDUCTION STUDIES IN HEREDITARY
NEUROPATHIES**

Riadh Gouider, Tunisia

15:10 **CRANIAL REFLEXES FOR EVALUATION OF BRAINSTEM LESIONS**

Josep Valls-Sole, Spain

15:30 **MAGNETIC COIL STIMULATION FOR THE STUDY OF CORTICAL
DYSFUNCTION**

Paolo Rossini, Italy

15:50 **DISCUSSION**

16:00 *Coffee Break*

Wednesday, November 16, 2011

14:30-16:00

Hall 1

Regional Session:

LATIN AMERICAN SESSION

Chairpersons: **Carlos Ketzoian**, *Uruguay*
Juan Carlos Duran, *Bolivia*

14:30 **NEURO-EPIDEMIOLOGY IN LATIN AMERICA**
Carlos Ketzoian, *Uruguay*

14:50 **HIGH ALTITUDE NEUROLOGY**
Juan Carlos Duran, *Bolivia*

15:10 **DEMENTIAS IN LATIN AMERICA**
Ricardo Nitrini, *Brazil*

15:30 **PERIPHERAL NEUROPATHY**
Renato Verdugo, *Chile*

16:00 *Coffee Break*

Wednesday, November 16, 2011

14:30-18:00

Hall F

TC50: Teaching Course*

NEUROLOGICAL VISUAL DISTURBANCES

Chairperson: **Tulay Kansu, Turkey**

14:30 **VISUAL LOSS**

Tulay Kansu, Turkey

15:00 **CASES BY FACULTY**

15:30 **OPTIC NEUROPATHIES**

Nancy J. Newman, USA

16:00 *Coffee Break*

16:30 **PAPILLEDEMA**

Valerie Biousse, USA

16:55 **VISUAL FIELDS**

Nancy J. Newman, USA

17:15 **ANISOCORIA**

Valerie Biousse, USA

17:30 **CASES, QUESTIONS**

**Pre-registration required*

Wednesday, November 16, 2011

14:30-16:00

Hall G

Free Papers 38: INFECTIONS

Chairpersons: **Christopher Power**, *Canada*
Najib Kissani, *Morocco*

- 14:30 **AIDS AND EPILEPSY**
Abbashar Mohamad, A. Sidig, *Sudan*
- 14:45 **SPECTRUM OF NEUROLOGICAL MANIFESTATIONS OF DENGUE VIRUS INFECTION IN NORTH WEST INDIA**
Jeyaraj Durai Pandian, J.M. Koshy, D.M. Jacob, M. John, A. Mani, N. Malhotra, *India*
- 15:00 **HEPATITIS C VIRUS CO-INFECTION INCREASES NEUROCOGNITIVE IMPAIRMENT SEVERITY AND RISK OF DEATH IN TREATED HIV/AIDS**
Christopher Power, P. Vivithanaporn, K. Nelles, L. DeBlock, S.C. Newman, M.J. Gill, *Canada*
- 15:15 **EPIDEMIOLOGICAL AND CLINICAL ASPECTS OF NEUROSYPHILIS IN MOROCCO**
Mohamed Yahyaoui, N. Ahbeddou, L. Lachhab, E.H. Ait Ben Haddou, W. Regragui, A. Benomar, *Morocco*
- 15:30 **NEUROSYPHILIS: ABOUT 45 CASES**
Meriem El Machkour, A. Slassi Sennou, O. El Ouali, F. Belahsen, O. Messouak, *Morocco*
- 15:45 **ROLE OF OXIDATIVE STRESS AND NF-KB IN RABIES VIRUS INFECTION**
Alan C. Jackson, W. Kammouni, P. Fernyhough, *Canada*
- 16:00 *Coffee Break*

Wednesday, November 16, 2011

14:30-16:00

Hall H

Free Papers 39: MISCELLANEOUS

Chairpersons: **Mounia Rahmani**, *Morocco*
Callixte Kuate Tegueu, *Cameroon*

- 14:30 **SEIZURES, EPILEPSY AND HIV INFECTION IN AFRICA**
Callixte Kuate Tegueu, Y. Maiga, *Cameroon*
- 14:45 **CHARACTERISTICS AND OUTCOME OF TETANUS IN ADOLESCENT AND ADULT PATIENTS ADMITTED TO LAGOS UNIVERSITY TEACHING HOSPITAL BETWEEN 2000 AND 2009**
Idowu Abolaji Bankole, O.O. Ojo, O.O. Oshinaike, N.U. Okubadejo, F.I. Ojini, M.A. Danesi, *Nigeria*
- 15:00 **EFFECTS OF SHAM-CONTROLLED DOUBLE BLIND TRANSCRANIAL DIRECT CURRENT STIMULATION IN PATIENTS WITH DISORDERS OF CONSCIOUSNESS**
A. Thibaut, D. Ledoux, C. Ropars, **Athena Demertzi**, S. Laureys, M.-A. Bruno, *Belgium*
- 15:15 **DIAGNOSING CHRONIC DISORDERS OF CONSCIOUSNESS WITH FMRI**
Stefan Golaszewski, M. Seidl, A. Kunz, E. Trinka, F. Gerstenbrand, *Austria*
- 15:30 **T-HELPER (TH)22 AND TH17 LYMPHOCYTE SUBSETS CHANGE IN THE PERIPHERAL BLOOD (PB) BEFORE AND DURING MS RELAPSES - A LONGITUDINAL STUDY**
Luca Durelli, M. Clerico, B. Ferrero, G. Contessa, S. De Mercanti, A. Di Liberto, A. Giai Via, S. Rolla, V. Bardina, A. Cucci, A. Uccelli, M. Zaffaroni, P. Cavalla, L. Rinaldi, C. Comi, R. Cavallo, L. Sosso, P. Quaglino, F. Novelli, *Italy*
- 15:45 DISCUSSION
- 16:00 *Coffee Break*

Wednesday, November 16, 2011

14:30-18:00

Hall I

TC39: Teaching Course*

NEUROIMAGING

Chairperson: **Jean Tamraz**, *Lebanon*

NEUROIMAGING IN VASCULAR DEMENTIA AND STROKE

Steven Warach, *USA*

NEUROIMAGING IN EPILEPSY: OVERVIEW AND CURRENT STATUS

Jean Tamraz, *Lebanon*

ULTRASOUND OF PERIPHERAL NERVES

Konrad Scheglmann, *Germany*

16:00-16:30 *Coffee Break*

**Pre-registration required*

14:30-18:00

Hall J

TC40: Teaching Course*

HEADACHE

Chairperson: **Jean Schoenen**, *Belgium*

PART I: CASE-BASED DIAGNOSIS

14:30 **HOW TO DIAGNOSE FACIAL PAIN?**

Jean Schoenen, *Belgium*

15:15 **HORMONES AND MIGRAINE**

Stephen Silberstein, *USA*

16:00 *Coffee Break*

PART II: CASE-BASED TREATMENT

16:30 **HOW TO MANAGE THUNDERCLAP HEADACHE?**

Shuu-Jiun Wang, *Taiwan R. O. C.*

TRICKS AND TIPS IN MIGRAINE TREATMENT

17:00 **ACUTE TREATMENT**

Jean Schoenen, *Belgium*

17:30 **PREVENTIVE TREATMENT**

Stephen Silberstein, *USA*

**Pre-registration required*

Wednesday, November 16, 2011

14:30-18:00

Hall L

TC42: Teaching Course*

BRAIN INJURY

Chairperson: **Ramon Diaz-Arrastia, USA**

HOW TO READ THE CT AND THE PROGNOSTIC IMPORTANCE OF THE TCDB SCORE IN TRAUMATIC BRAIN INJURY

Pieter E. Vos, *The Netherlands*

CHRONIC TRAUMATIC ENCEPHALOPATHY: A PREVENTABLE CAUSE OF DEMENTIA

Barry Jordan, *USA*

MRI BIOMARKERS OF TRAUMATIC BRAIN INJURY: IDENTIFICATION OF NOVEL ENDOPHENOTYPES AND INSIGHTS INTO PATHOGENESIS

Ramon Diaz-Arrastia, *USA*

HOW TO MANAGE THE MILD TBI PATIENT IN THE ACUTE AND CHRONIC PHASE

Pieter E. Vos, *The Netherlands*

16:00-16:30 *Coffee Break*

**Pre-registration required*

Wednesday, November 16, 2011

14:30-18:00

Hall 2

TC38: Teaching Course*

NEW TREATMENTS IN NEUROLOGY

Chairperson: **Hans-Christoph Diener**, *Germany*

TREATMENT OF METABOLIC DISEASES

Antonio Federico, *Italy*

TREATMENT OF NEUROMYELITIS OPTICA

Hans Lassmann, *Austria*

16:00-16:30 *Coffee Break*

TREATMENT OF NON-MOTOR SYMPTOMS OF PARKINSON'S DISEASE

Paolo Barone, *Italy*

NEW TREATMENTS IN DEMENTIA

Howard Feldman, *Canada*

NEW TREATMENTS IN STROKE

Hans-Christoph Diener, *Germany*

**Pre-registration required*

Wednesday, November 16, 2011

16:30-18:00

Hall A

Main Topic / Topic:

NEW MECHANISMS IN NEUROIMMUNOLOGICAL DISEASES

Chairpersons: **Sean Pittock, USA**
Marc de Baets, The Netherlands

16:30 **AUTOIMMUNE DISEASES OF THE NEUROMUSCULAR JUNCTION**
Marc de Baets, The Netherlands

17:00 **AUTOIMMUNE ENCEPHALOPATHY**
Brigitte Wildemann, Germany

17:30 **AQUAPORIN-4 AUTOIMMUNITY (NMO)-NEW INSIGHTS**
Sean Pittock, USA

16:30-18:00

Hall B

Main Topic / Topic:

ADVANCES IN NEUROPATHIES: SESSION II

Chairpersons: **Jean-Marc Léger, France**
Michael Shy, USA

16:30 **PARAPROTEINAEMIC NEUROPATHIES**
Jean-Marc Léger, France

17:00 **INHERITED NEUROPATHIES**
Michael Shy, USA

17:30 **TOXIC NEUROPATHIES**
Matthew Kiernan, Australia

Wednesday, November 16, 2011

16:30-18:00

Hall C

Main Topic / Topic:

STEM CELLS IN NEUROLOGY

Chairpersons: **Rajesh N. Kalaria, UK**
Simon Koblar, Australia

- 16:30 **STEM CELLS FOR PARKINSON'S DISEASE**
Roger Barker, UK
- 16:50 **STEM CELLS FOR STROKE**
Simon Koblar, Australia
- 17:10 **STEM CELLS FOR DEMENTIA**
Rajesh N. Kalaria, UK
- 17:40 **INDUCED PLURIPOTENT STEM CELLS FOR MODELING
NEUROLOGICAL DISEASE**
Allison D. Ebert, USA

16:30-18:00

Hall D

Main Topic / Topic:

NEW TREATMENTS IN NEUROLOGY: SESSION II

Chairpersons: **Bruce L. Miller, USA**
S. Wiebe, Canada

- 16:30 **EPILEPSY**
Samuel Wiebe, Canada
- 16:50 **PARKINSON'S DISEASE**
Francisco Cardoso, Brazil
- 17:10 **DEMENTIA**
Bruce L. Miller, USA
- 17:30 **NEUROONCOLOGY**
Wolfgang Grisold, Austria
- 17:50 **DISCUSSION**

Wednesday, November 16, 2011

16:30-18:00

Hall 1

Daily Debate II: STROKE

Chairpersons: **William Carroll**, *Australia*
Mohammed Faouzi Belahsen, *Morocco*

16:30 CLOT RETRIEVAL READY FOR PRIME TIME?

For: **Pedro Lylyk**, *Argentina*
Against: **Stephen M. Davis**, *Australia*

Thursday, November 17, 2011

07:00-08:00

Hall D

TC45: Teaching Course*

HOW TO EXAMINE A PATIENT WITH MYOPATHY (*Free*)

HOW TO EXAMINE A PATIENT WITH MYOPATHY

Nazha Birouk, *Morocco*

**Pre-registration required*

08:00-09:00

Hall A

PLENARY LECTURES 9 & 10

Chairpersons: **Steve Sergay**, *USA*
Eduard Auff, *Austria*

08:00 **MOTOR NEURON AND MOTOR NEURON DISEASE**

The Fulton Symposium Soriano Lecture

Hidehiro Mizusawa, *Japan*

08:30 **TRANSLATIONAL STROKE RESEARCH**

Stephen M. Davis, *Australia*

Thursday, November 17, 2011

09:00-10:30

Hall A

Main Topic / Topic:

HEADACHES IN THE SOUTHERN HEMISPHERE

Chairpersons: **Jean Schoenen, *Belgium***
Dirk Deleu, *Qatar*

09:00 **EPIDEMIOLOGY AND BURDEN OF HEADACHE IN THE SOUTHERN HEMISPHERE**

Dirk Deleu, *Qatar*

09:20 **PREVENTIVE HEADACHE TREATMENTS**

Jean Schoenen, *Belgium*

09:40 **AN OVERVIEW OF ALTERNATIVE TREATMENTS**

K. Ravishankar, *India*

10:00 **CASE STUDIES FROM THE DEVELOPING WORLD**

Ahmed Bourazza, *Morocco*

10:20 **DISCUSSION**

10:30 *Coffee Break*

09:00-10:30

Hall B

Main Topic / Topic:

NEURO-OPHTHALMOLOGY: SESSION I

Chairpersons: **David Zee, *USA***
Nancy J. Newman, *USA*

09:00 **CEREBELLAR CONTROL OF EYE MOVEMENTS**

David Zee, *USA*

09:20 **WHATS NEW IN LEBER OPTIC NEUROPATHY**

Nancy J. Newman, *USA*

09:40 **EYE MOVEMENTS AND NEURODEGENERATIVE DISEASES**

Tim Anderson, *New Zealand*

10:00 **REHABILITATION OF CENTRAL VISUAL DISORDERS**

Christopher Kennard, *UK*

10:30 *Coffee Break*

Thursday, November 17, 2011

09:00-10:30

Hall C

Main Topic / Topic:

NEW GUIDELINES ON PAIN TREATMENT

Chairpersons: **Giorgio Cruccu, *Italy***
Ralf Baron, *Germany*

09:00 **PHARMACOLOGICAL TREATMENT**
Troels Staehelin Jensen, *Denmark*

09:20 **TOPIC TREATMENTS**
Ralf Baron, *Germany*

09:40 **NEUROSTIMULATION THERAPY**
Giorgio Cruccu, *Italy*

10:00 **DISCUSSION**

10:30 *Coffee Break*

09:00-10:30

Hall D

Main Topic / Topic:

DISEASES OF THE NEUROMUSCULAR JUNCTION

Chairpersons: **Feza Deymeer, *Turkey***
Angela Genge, *Canada*

09:00 **TREATMENT OF MYASTHENIA GRAVIS: UPDATE**
Angela Genge, *Canada*

09:30 **MUSK MYASTHENIA GRAVIS**
Feza Deymeer, *Turkey*

10:00 **PRACTICAL NEUROIMMUNOLOGY OF THE NEUROMUSCULAR
JUNCTION**
Angela Vincent, *UK*

10:30 *Coffee Break*

Thursday, November 17, 2011

09:00-10:30

Hall 1

Main Topic / Topic:

ENVIRONMENT, CULTURES & NEUROSCIENCES: SESSION II

Chairpersons: **Leon Prockop, USA**
Jagjit S. Chopra, India

09:00 **CARBON MONOXIDE INTOXICATION: AN UPDATED REVIEW**
Leon Prockop, USA

09:20 **MANGANESE PARKINSONISM**
Najib Kissani, Morocco

09:40 **TOXIC NEUROPATHIES IN TROPICS**
Jagjit S. Chopra, India

10:00 **MOLECULAR EPIDEMIOLOGY OF NEUROTOXIC DISEASES**
Desire Tshala-Katumbay, Congo

10:20 **DISCUSSION**

10:30 *Coffee Break*

Thursday, November 17, 2011

09:00-10:30

Hall F

Free Papers 42: DEMENTIA

Chairperson: **Maria Benabdeljilil**, *Morocco*

- 09:00 **C-JUN N-TERMINAL KINASE MEDIATES SYNAPTIC DYSFUNCTION IN A MODEL OF ALZHEIMER'S DISEASE**
A. Scip, X. Antoniou, D. Cardinetti, A. Arnaboldi, P. Veglianese,
Tiziana Borsello, *Italy*
- 09:15 **PRENATAL HYPOXIA IS A RISK FACTOR FOR ALZHEIMER'S DISEASE**
Weidong Le, X. Zhang, L. Li, *USA*
- 09:30 **OXIDATIVE STRESS AND INFLAMMATION IN TRANSGENIC MICE (APP/PRESENILINE 1) AND IN NEURAL CELLS IN PRIMARY CULTURE**
Diana Aguirre Rueda, C. García-Lucerga, E. Obrador, S.L. Valles, *Spain*
- 09:45 **THE ASSOCIATION BETWEEN EDUCATIONAL LEVEL AND DEMENTIA IN RURAL TANZANIA**
Stella-Maria Paddick, A. Longdon, A. Kisoli, W.K. Gray, C. Dotchin,
F. Dewhurst, M. Dewhurst, A. Teodorczuk, R. Walker, *UK*
- 10:00 **COMPARISON OF TWO ANALYTICAL PLATFORMS FOR C.S.F. BIOMARKERS OF ALZHEIMER'S DISEASE**
José Antonio Monge-Argilés, C. Muñoz-Ruiz, J. Sánchez-Payá,
J. Montoya-Gutiérrez, C. Leiva-Santana, *Spain*
- 10:15 **RAPID PROGRESSION FROM MILD COGNITIVE IMPAIRMENT TO ALZHEIMER'S DISEASE RELATED WITH C.S.F BIOMARKER ABNORMALITIES**
J.A. Monge-Argilés, C. Muñoz-Ruiz, J. Sánchez-Payá, S. Martí-Martínez,
Javier Montoya-Gutiérrez, C. Leiva-Santana, *Spain*
- 10:30 *Coffee Break*

Thursday, November 17, 2011

09:00-10:30

Hall G

Free Papers 43: DEMENTIA

Chairpersons: **Arto Nordlund**, *Sweden*
Raul Arizaga, *Argentina*

- 09:00 **THE -219G/T POLYMORPHISM OF THE APOLIPOPROTEIN E GENE WITH THE APOE E4 ALLELE AND ALZHEIMER'S DISEASE IN TUNISIAN POPULATION**
Afef Achouri Rassas, H. Mrabet Khiari, S. Hadj Fredj, T. Messaoud, A. Mrabet, *Tunisia*
- 09:15 **COGNITIVE DECLINE IN THE ELDERLY POPULATION OF THE GUIDAGE STUDY - A 5-YEAR FOLLOW UP OF SUBJECTS WITH MEMORY COMPLAINTS**
Pierre-Jean Ousset, N. Coley, S. Andrieu, H. Mathiex-Fortunet, P. Garnier, B. Vellas, *France*
- 09:30 **DEMENTIA AND COGNITIVE IMPAIRMENT IN CENTRAL AFRICA: THE EDAC STUDY 2-YEARS FOLLOW-UP**
Pierre-Marie Preux, M. Guerchet, Z. Zhou, B. Bandzouzi, P. Mbelesso, A. Mouanga, J.-F. Dartigues, *France*
- 09:45 **OBJECTIFICATION OF FOUR DIFFERENT COGNITIVE PATTERNS USING A UNIQUE VIRTUAL REALITY TOOL**
Marie Déjos, P. Arvind Pala, A. Falière, B. N'Kaoua, H. Sauzéon, *France*
- 10:00 **REM SLEEP SPECTRAL ANALYSIS PATTERNS IN ALZHEIMER'S DISEASE PATIENTS AND AGE MATCHED CONTROLS**
Walter Moraes, D. Poyares, L. Claudino-Sukys, M.T. de Mello, S. Tufik, *Brazil*
- 10:15 **A COMBINATION OF NEUROPSYCHOLOGICAL AND BIOMARKER VARIABLES PREDICTS DEMENTIA IN MCI**
Arto Nordlund, A. Wallin, C. Eckerström, *Sweden*
- 10:30 *Coffee Break*

Thursday, November 17, 2011

09:00-10:30

Hall H

Free Papers 44: DEMENTIA

Chairpersons: **Angiola Maria Fasanaro, *Italy***
Leopold Liss, *USA*

- 09:00 **COUNSELING FOR FAMILY CAREGIVERS OF PATIENTS WITH ALZHEIMER'S DISEASE**
Antonio Rosario Ziello, M. D'Antonio, C. Poderico, A. Iavarone, A.M. Fasanaro, *Italy*
- 09:15 **ALCOHOLIC ENCEPHALOPATHY, A RISK FACTOR FOR ALZHEIMER DISEASE**
Leopold Liss, *USA*
- 09:30 **KYNURENIC ACID AND DEMENTIA**
Halina Baran, B. Kepplinger, *Austria*
- 09:45 **GSK3BETA INTERACTS WITH AND PHOSPHORYLATES DRP1/HDYNIV AT GTPASE EFFECTOR DOMAIN THAT AFFECTS MITOCHONDRIAL MORPHOLOGY IN NEURAL CELLS**
Yi-Ren Hong, *Taiwan R.O.C.*
- 10:00 **DISCUSSION**
- 10:30 *Coffee Break*

Thursday, November 17, 2011

09:00-12:30

Hall I

TC46: Teaching Course*

CLINICAL STUDIES

Chairperson: **Richard Stark, Australia**

ASPECTS OF NERVE ROOT COMPRESSION AND CERTAIN MONONEUROPATHIES

David Perkin, UK

PRACTICAL ASPECTS OF SPINAL AND PERIPHERAL NERVE DISORDERS

Gerard Said, France

SOME SPINAL SYNDROMES: COMMON AND UNCOMMON

Richard Stark, Australia

10:30-11:00 *Coffee Break*

**Pre-registration required*

09:00-12:30

Hall J

TC47: Teaching Course*

CHILD NEUROLOGY

Chairperson: **Harry T. Chugani, USA**

CLASSIFICATION AND CHALLENGES IN PAEDIATRIC MOVEMENT DISORDERS

Russell Dale, Australia

NEUROIMAGING IN EPILEPSY AND EPILEPSY SURGERY

Harry T. Chugani, USA

HEREDITARY PERIPHERAL NEUROPATHIES IN CHILDHOOD - CLINICAL MARKERS TO AID DIAGNOSIS

Jo Wilmshurst, South Africa

10:30-11:00 *Coffee Break*

**Pre-registration required*

Thursday, November 17, 2011

09:00-12:30

Hall L

TC34: Teaching Course*
HOW TO WRITE A PAPER?

Chairperson: **Mark Hallett, USA**

HOW TO WRITE A PAPER
Robert Lisak, USA
Mark Hallett, USA

10:30-11:00 *Coffee Break*

**Pre-registration required*

09:00-12:30

Hall 2

WS06: Workshop:
IWGYNT WORKSHOP YOUNG NEUROLOGISTS

Chairperson: **Wolfgang Grisold, Austria**

09:00 **WORLDWIDE HARMONISED SUB-SPECIALITY TRAINING PROGRAMMES: A DREAM?**
Steven Sergay, USA

09:30 **ASSESSING MEDICAL KNOWLEDGE AND SKILLS**
S. Ayhan Caliskan, Turkey

10:00 **QUALITY ASSESSMENT IN TRAINING AND TEACHING**
Walter Struhal, Austria

10:30 *Coffee Break*

11:00 **GET IN TOUCH WITH COLLEAGUES AND OPINION LEADERS - THE EUROPEAN PERSPECTIVE**
Johann Sellner, Germany

11:30 **PROBLEMS, PRIORITIES AND PROSPECTS OF NEUROLOGIC MANPOWER DEVELOPMENT IN AFRICA**
Rufus Akinyemi, UK/Nigeria

12:00 **IMPROVING NEUROLOGY EDUCATION IN SRI LANKA**
Tissa Wijeratne, Australia

12:30 *Lunch Break*

**Pre-registration required*

Thursday, November 17, 2011

09:00-12:30

Hall 3

TC37: Teaching Course*

FUNCTIONAL NEUROSURGERY AND DBS

Chairperson: **Tipu Aziz, USA**

HOW CAN WE USE FUNCTIONAL NEUROSURGERY IN EPILEPSY

Christian Elger, Germany

CURRENT INDICATIONS AND RESULTS OF DEEP BRAIN STIMULATION FOR MOVEMENT DISORDERS

Badih Adada, Lebanon

FUNCTIONAL NEUROSURGERY, CURRENT AND FUTURE DIRECTIONS

Tipu Aziz, USA

10:30-11:00 *Coffee Break*

**Pre-registration required*

Thursday, November 17, 2011

11:00-12:30

Hall A

Main Topic / Topic:

HEADACHE UPDATE

Chairpersons: **S. Silberstein, USA**
Shuu-Jiun Wang, Taiwan R.O.C.

- 11:00 **EMERGING HEADACHE TREATMENTS**
Hans-Christoph Diener, Germany
- 11:20 **CEREBRAL VASOCONSTRICTION SYNDROME**
David Dodick, USA
- 11:40 **HEADACHE DUE TO CHANGES IN CSF PRESSURE**
Shuu-Jiun Wang, Taiwan R.O.C.
- 12:00 **CHRONIC MIGRAINE**
Stephen Silberstein, USA
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

11:00-12:30

Hall B

Main Topic / Topic:

NEURO-OPHTHALMOLOGY: SESSION II

Chairpersons: **Christopher Kennard, UK**
John Leigh, USA

- 11:00 **NEURAL PLASTICITY AND EYE MOVEMENTS**
Carolyn Tilikete, France
- 11:20 **CEREBROVASCULAR DISEASE AND THE VISUAL SYSTEM**
Valerie Biousse, USA
- 11:40 **TREATING OCULOMOTOR DISORDERS**
John Leigh, USA
- 12:00 **ABNORMAL OCULAR MOTILITY IN BRAINSTEM STROKE**
Ji-Soo Kim, Republic of Korea
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

Thursday, November 17, 2011

11:00-12:30

Hall C

Main Topic / Topic:

NEUROPATHIC PAIN

Chairpersons: **Claudia Sommer**, *Germany*
Praveen Anand, *UK*

11:00 **PAIN IN SMALL FIBRE NEUROPATHY: NOVEL DIAGNOSTICS AND TREATMENTS**

Praveen Anand, *UK*

11:20 **CYTOKINE PROFILES IN PATIENTS WITH NEUROPATHIC PAIN: DIAGNOSTIC AND THERAPEUTIC USE**

Claudia Sommer, *Germany*

11:40 **PAIN IN ION CHANNEL MUTATIONS**

Sulayman Dib-Hajj, *USA*

12:00 **PAIN IN HIV NEUROPATHY**

Peter Kamerman, *South Africa*

12:20 **DISCUSSION**

12:30 *Lunch Break*

11:00-12:30

Hall D

Main Topic / Topic:

PALLIATIVE CARE

Chairpersons: **Pieter E. Vos**, *The Netherlands*
Gian Domenico Borasio, *Germany*

11:00 **PALLIATIVE CARE IN NEUROLOGY: RECENT ADVANCES**

Gian Domenico Borasio, *Germany*

11:30 **PALLIATIVE CARE IN MOTOR NEURON DISEASES**

Marianne de Visser, *The Netherlands*

12:00 **PALLIATIVE CARE IN THE VEGETATIVE STATE**

Pieter E. Vos, *The Netherlands*

12:30 *Lunch Break*

Thursday, November 17, 2011

11:00-12:30

Hall 1

Regional Session:

SPECIFIC DISEASE BURDEN OF ASIA-OCEANIA REGION

Chairpersons: **Ching Piao Tsai**, *Taiwan R.O.C.*
Man Mohan Mehndiratta, *India*

- 11:00 **NEUROMYELITIS OPTICA IN ASIA-OCEANIAN REGION**
Ching Piao Tsai, *Taiwan R.O.C.*
- 11:20 **STATUS OF RABIES AND TETANUS IN ASIA-OCEANIAN REGION**
Mohammad Wasay, *Pakistan*
- 11:40 **NEUROCYSTICERCOSIS-CLINICAL PERSPECTIVE**
Man Mohan Mehndiratta, *India*
- 12:00 **BURDEN AND STATUS OF STROKE CARE IN ASIA-OCEANIAN REGION**
Byung-Woo Yoon, *Republic of Korea*
- 12:20 **DISCUSSION**
- 12:30 *Lunch Break*

Thursday, November 17, 2011

11:00-12:30

Hall F

Free Papers 45: DEMENTIA

Chairperson: **Alexei Koudinov**, *Russia*

- 11:00 **THE LONG AND WINDING ROAD OF ALZHEIMER'S DISEASE CURE DEVELOPMENT: WHY ALL AMYLOID HYPOTHESIS BASED DRUGS FAIL?**
Alexei Koudinov, N. Koudinova, T. Berezov, *Russia*
- 11:15 **NEUROPSYCHOLOGICAL, RADIOLOGICAL AND GENETIC PROFILES IN A GROUP OF FRONTO-TEMPORAL COLOMBIAN DEMENTIA PATIENTS**
Patricia Montanes, D. Matallana, A. Iragorri, K. Palacios, J. Rodriguez, A. Lopez, L.H. Andrade, *Colombia*
- 11:30 **¹²³I-FP-CIT (DATSCAN™) SCINTIGRAPHY IN THE DIAGNOSIS OF DEMENTIA WITH LEWY BODY**
Knut Liepe, *Germany*
- 11:45 **COGNITIVE AND BEHAVIORAL IMPAIRMENTS REPRESENT A PROGNOSTIC VARIABLE IN AMYOTROPHIC LATERAL SCLEROSIS**
Rossella Spataro, R. Frangiamore, V. La Bella, *Italy*
- 12:00 **FRONTOTEMPORAL LOBAR ATROPHY BEHAVIORAL VARIANT: CAREGIVER STRAIN IN RELATION TO COGNITION, ACTIVITIES OF DAILY LIVING AND BEHAVIORAL ABNORMALITIES**
Gerhard Ransmayr, *Austria*
- 12:15 **DISCUSSION**
- 12:30 *Lunch Break*

Thursday, November 17, 2011

11:00-12:30

Hall G

Free Papers 46: DEMENTIA AND NEUROPSYCHOLOGY

Chairperson: **Maria Elisa De Oliveira Lanna**, *Brazil*

- 11:00 **DISCONNECTIVE SYNDROMES BY STRATEGIC STROKE IN VASCULAR DEMENTIA**
Maria Elisa De Oliveira Lanna, C.E.O. Alves, F.K. Sudo, G. Alves, L. Valente, D.M. Moreira, J. Laks, E. Engelhardt, *Brazil*
- 11:15 **NEUROPSYCHOLOGICAL STUDY OF NEUROBEHÇET'S DEMENTIA: 12 CASES**
Mounia Rahmani, S. Benmlih, F. Boutbib, M. Benabdeljlil, D. Sefiani, B. Benaboud, N. Chakir, M. Jiddane, S. Aidi, M. El Alaoui Faris, *Morocco*
- 11:30 **DIFFERENT NEUROPSYCHOLOGICAL PROFILES OF PRODROMAL AD AND VASCULAR COGNITIVE DISORDER**
Arto Nordlund, M. Göthlin, A. Wallin, *Sweden*
- 11:45 **CLINICOPATHOLOGIC STUDY OF ALZHEIMER'S DISEASE: ALZHEIMER MIMICS**
Yong S. Shim, J.C. Morris, V.D. Buckles, *Republic of Korea*
- 12:00 **NEUROPATHOLOGICAL DIVERSITY OF CORTICOBASAL DEGENERATION (CBD) IN 27 AUTOPSIED CASES**
Mari Yoshida, M. Mimuro, S. Tatsumi, Y. Hashizume, *Japan*
- 12:15 **COGNITIVE DISCONNECTIVE SYNDROMES BY SINGLE STRATEGIC STROKE IN VASCULAR DEMENTIA**
Maria Elisa De Oliveira Lanna, C.E.O. Alves, F.K. Sudo, L.S. Valente, G. Alves, D.M. Moreira, J. Laks, E. Engelhardt, *Brazil*
- 12:30 *Lunch Break*

Thursday, November 17, 2011

11:00-12:30

Hall H

Free Papers 47: MUSCLE DISEASES

Chairpersons: **Emma Ciafaloni, USA**
Ahmed Nacer Masmoudi, Algeria

11:00 **CLINICAL AND HISTOPATHOLOGICAL STUDY OF 102 PATIENTS WITH CONGENITAL MUSCULAR DYSTROPHY**

Atchayaram Nalini, N. Madhu, N. Gayathri, India

11:15 **PRELIMINARY RESULTS OF ANDERSEN-TAWIL SYNDROME GENOTYPE-PHENOTYPE LONGITUDINAL STUDY FROM THE CONSORTIUM FOR CLINICAL INVESTIGATION OF NEUROLOGIC CHANNELOPATHIES (CINCH)**

Emma Ciafaloni, S. Rajakulendran, V. Sansone, J. Trivedi, S. Venance, M. Tristani-Firouzi, B. Bundy, K. Hart, G. Meola, R. Griggs, M. Hanna, CINCH, USA

11:30 **ALGERIAN CONGENITAL MUSCULAR DYSTROPHY (CMD) STUDY**

Samira Makri, P. Richard, V. Allamand, S. Maugendre, C. Gartious, N. Terki, M. Tazir, D. Grid, M. Ait Kaci-Ahmed, P. Guicheney, Algeria

11:45 **DEVELOPMENT OF APPROACHES TO ASSESS AND AMELIORATE THE MIGRATION OF THE TRANSPLANTED MYOBLASTES**

Elmostafa El Fahime, J.P. Tremblay, Morocco

12:00 **DISCUSSION**

12:30 *Lunch Break*

Thursday, November 17, 2011

14:30-16:00

Hall A

Main Topic / Topic:

NEUROPATHOLOGY OF NEURODEGENERATIVE DISEASES

Chairpersons: **Piero Antuono, USA**
Piero Parchi, Italy

14:30 **NEUROPATHOLOGY OF NON-AD DEMENTIAS**
Bruce L. Miller, USA

14:50 **ALZHEIMER'S DISEASE**
Piero Antuono, USA

15:10 **PRION DISEASE**
Piero Parchi, Italy

15:30 **INTERACTION OF DEGENERATIVE AND VASCULAR DISEASE**
Rajesh N. Kalaria, UK

15:50 **DISCUSSION**

16:00 *Coffee Break*

14:30-16:00

Hall B

Main Topic / Topic:

CHANNELOPATHIES

Chairpersons: **Bertrand Fontaine, France**
A. Vincent, UK

14:30 **MUSCLE CHANNELOPATHIES AND RELATED DISORDERS**
Bertrand Fontaine, France

15:00 **EPILEPSY AND CHANNELOPATHIES**
Holger Lerche, Germany

15:30 **AUTOIMMUNE CHANNELOPATHIES**
Angela Vincent, UK

16:00 *Coffee Break*

Thursday, November 17, 2011

14:30-16:00

Hall D

Main Topic / Topic:
NEURO-OTOLOGY

Chairpersons: **Adolfo Bronstein, UK**
Thomas Brandt, Germany

14:30 **APPROACH TO THE DIZZY PATIENT**
Adolfo Bronstein, UK

14:50 **EPISODIC ATAXIAS AND THEIR DIFFERENTIAL DIAGNOSIS**
Joanna Jen, USA

15:10 **BENIGN PAROXYSMAL POSITIONAL VERTIGO, THE COMMON AND
THE UNCOMMON**
Ji-SooKim, Republic of Korea

15:30 **MEDICAL TREATMENT OF VESTIBULAR DISORDERS**
Thomas Brandt, Germany

15:50 **DISCUSSION**

16:00 *Coffee Break*

Thursday, November 17, 2011

14:30-16:00

Hall 1

Special Session:

INFECTIONS OF THE CENTRAL NERVOUS SYSTEM: SESSION IV

Chairpersons: **Alfred K. Njamnshi**, *Cameroon*
 Niphon Pongvarin, *Thailand*

14:30 **HUMAN AFRICAN TRYPANOSOMIASIS**
 Alfred K. Njamnshi, *Cameroon*

15:00 **FREE LIVING AMEBAE AS CAUSE OF CNS DISEASE**
 Erich Schmutzhard, *Austria*

15:30 **SCHISTOSOMIASIS IN THE CENTRAL NERVOUS SYSTEM SESSION**
 Thérèse Sonan, *Ivory Coast*

16:00 *Coffee Break*

Thursday, November 17, 2011

14:30-16:00

Hall F

Free Papers 48: NEUROMUSCULAR DISEASE

Chairpersons: **Mohammad Shebab**, *Jordan*
Meriem Tazir, *Algeria*

- 14:30 **LATE ONSET MYASTHENIA GRAVIS (7 CASES)**
Meriam Nemmaoui, S. Aidi, K. Al Zemmouri, W. Mouti, M. Benabdeljilil,
M. El Alaoui Faris, *Morocco*
- 14:45 **FAT EMBOLISM SYNDROME IN PATIENTS WITH DUCHENNE
MUSCULAR DYSTROPHY FOLLOWING LOW ENERGY FEMUR
FRACTURE**
M. Medeiros, C. Behrend, J. Sanders, **Emma Cialfoni**, *USA*
- 15:00 **A NOVEL ANALYTICAL METHOD FOR THE DIAGNOSIS OF PAEDIATRIC
MYASTHENIA USING STIMULATED SINGLE FIBRE
ELECTROMYOGRAPHY**
Vishal Narwani, M. Pitt, T. Tidswell, *UK*
- 15:15 **NEUROPSYCHOLOGICAL AND MAGNETIC RESONANCE IMAGING
FINDINGS IN FIVE PATIENTS AFTER CARBON MONOXIDE POISONING**
Mounia Rahmani, M. Bennani, M. Benabdeljilil, S. Aidi, M. Jiddane, T. Chkili,
M. El Alaoui Faris, *Morocco*
- 15:30 **DISCUSSION**
- 16:00 *Coffee Break*

Thursday, November 17, 2011

16:30-18:00

Hall A

4TH TOURNAMENT OF THE MINDS: FINAL

Chairpersons: **Raad Shakir, UK**
David Perkin, UK
Richard Stark, Australia
Chafiq Hicham, Morocco

Tournament judges will award the winning team an attractive prize.

18:00-18:30

Hall A

CLOSING CEREMONY

Chairpersons: **Vladimir Hachinski, Canada, WFN President**
Mostafa El Alaoui Faris, Morocco, WCN 2011 President

18:00 **HIGHLIGHTS OF THE CONGRESS**
Vladimir Hachinski, Canada, WFN President
Mostafa El Alaoui Faris, Morocco, WCN 2011 President

18:20 **INVITATION TO VIENNA**
Eduard Auff, Austria, WCN 2013 President

**POSTER SESSION 1:
CRITICAL CARE/EMERGENCY NEUROLOGY/TRAUMA**

Poster No

- 1 **SPINAL CORD ISCHEMIA IN YOUNG ADULTS**
Nouha Bouzidi, M. Zouari, A. Hassine, I. Bedoui, F. Hentati, *Tunisia*
- 2 **BAROREFLEX SENSITIVITY TO PREDICT MALIGNANT MIDDLE CEREBRAL ARTERY INFARCTION**
Marek Sykora, T. Steiner, A. Rocco, P. Turcani, W. Hacke, J. Diedler, *Germany, Slovak Republic*
- 3 **LEFT UNCAL HERNIATION SECONDARY TO MALIGNANT SPONTANEOUS INTRACRANIAL HYPOTENSION**
Sheyla Ariêh Rezende, F. Tensini, F.M. Branco Germiniani, A.C. de Souza Crippa, É.J. Piovesan, M.C. Lange, *Brazil*
- 4 **INTRAVENOUS THROMBOLYSIS IN ACUTE STROKE PATIENTS WITH CODE STROKE**
S.-W. Lee, C.W. Choi, J.-S. Kim, S.-H. Hong, K.-W. Park, Sungwook Yu, *Republic of Korea*
- 5 **CONSIDERATION FACTORS IN THE SURGICAL MANAGEMENT OF THORACIC DISC HERNIATIONS**
Pavel Vladimirovich Krotenkov, A.M. Kiselev, O.V. Krotenkova, *Russia*
- 6 **STRATIFYING PATIENTS AT RISK FOR NEUROLOGIC SEQUELAE AFTER CARBON MONOXIDE POISONING BY MONITORING SERUM BILIRUBIN RESPONSE**
Hiroshi Kuroda, K. Fujihara, S. Kushimoto, M. Aoki, *Japan*
- 7 **ACUTE NECROSIS OF MACROPROLACTINOMA DURING PREGNANCY**
Khadija Diyane, G. El Mghari, N. El Ansari, *Morocco*
- 8 **UNUSUAL PENETRATING CRANIOENCEPHALIC INJURY BY A HARPOON IN A BRAZILIAN MAN: CASE REPORT**
F.D. Lima, L.C. Meguins, Dionei Freitas Morais, R.F.E.H. Ellakkis, S.R. Martucci Júnior, T.L.I. Abraham, *Brazil*
- 9 **CORRELATIVES VARIABLES IN BRAIND MAPPING AND DIGITAL EEG IN PATIENTS WITH SEVERE CRANEOENCEFALIC TRAUMA IN EARLY STATES**
Teresa Maria Montes de Oca Dominguez, J.M. Rojas de Dios, G. Maya Morales, I. Padron Lopez, O. Gonzalez Perez, *Cuba*

Sunday, November 13, 2011

10:30-16:30

Poster Area

**POSTER SESSION 1:
EPILEPSY**

Poster No

- 10 **THE PREVALENCE OF RECURRENCE OF SEIZURE ATTACKS IN FASTING EPILEPTIC PATIENTS IN COMPARISON WITH NON-FASTING EPILEPTIC PATIENTS**
Mohammad Reza Najafi, S.A. Sonbolestan, M. Reisifar, F. Sonbolestan, *Iran*
- 11 **EPILEPSY AND MYASTHENIA GRAVIS**
Igor Cupkovic, D. Cerimagic, *Croatia*
- 12 **LAFORA DISEASE TYPE 2B: A CASE REPORT**
Mamadou Karambe, T. Coulibaly, *Mali*
- 13 **EPILEPSY IN WILSON'S DISEASE: A STUDY FROM NORTHWEST INDIA**
Chandra Sharma, *India*
- 14 **THERAPEUTIC ITINERARY OF PATIENTS WITH EPILEPSY IN YAOUNDE, CAMEROON**
Paul-Cédric Chimi Mbonda, C. Kuate, S. Nguéfack, Y. Fogang, A. Njamnshi, E. Mbonda, *Senegal*
- 15 **THERAPEUTIC ITINERARY OF EPILEPTIC PATIENTS IN SOUTHERN BENIN**
Dieu Donné Gnonlonfoun, C. Adjien, T. Adoukonou, D. Houinato, G.D. Avode, *Benin*
- 16 **EPILEPSY IN OLDER PATIENTS: A RETROSPECTIVE STUDY OF 38 CASES IN BELLAN HOSPITAL, PARIS**
Anselme Dabilgou, A.G. Diop, A. Thiam, M.M. Ndiaye, *Burkina Faso*
- 17 **POSTSTROKE EPILEPSY:RETROSPECTIVE EPIDEMIOLOGICAL STUDY OF FIFTY CASES**
Yahya Hsaini, A. Semlali, A. El Jouhari, T. Boulahri, J. Oumerzouk, A. Bourazza, *Morocco*
- 18 **BRAIN TUMORS ARE A RARE CAUSE OF CHILDHOOD EPILEPSY**
Gesina Frederika Keating, E.C. Wirrell, *USA*
- 19 **EPIDEMIOLOGY OF EPILEPSY IN BENIN**
Dismand Houinato, L.P. Yémadjè, T. Adoukonou, F. Rafael, S. Crepin, P.-M. Preux, *Benin*
- 20 **JUVENILE MYOCLONIC EPILEPSY: A FAMILY STUDY**
Emilija Cvetkovska, S. Panov, B. Boskovski, T. Cepreganova-Cangovska, *FYR Macedonia*

**POSTER SESSION 1:
EPILEPSY(contd.)**

Poster No

- 21 **SERUM LEVELS OF HEAVY METALS AND MULTIPLE SCLEROSIS**
Surena Nazarbaghi, *Iran*
- 22 **POST STROKE EPILEPSY IN SUDAN**
Ali A. Abdulrahman, A. Hussein, A. Sidig, A.R. Ali, M.M. Aldar, *Sudan*
- 23 **THE DETECTION OF MOOD DISTURBANCE PEOPLE WITH EPILEPSY USING TWO-PHASE DESIGNS IN EPIDEMIOLOGY: EXPERIENCE FROM TERTIARY CARE IN OMAN**
Samir Al-Adawi, A. Al-Asmi, *Oman*
- 24 **MUTATION AT VOLTAGE-GATED SODIUM CHANNEL GENE SCN4A-EXON-23 (T4126C) CAUSES THE SYNDROME OF MYOPATHY, ATAXIA, MENTAL RETARDATION, AND EPILEPSY (MAME)**
P. Thajeb, Chwen-Fang Lee, R. Harrigan, L.-P. Lai, *USA, Taiwan R.O.C.*
- 25 **PROGRESSIVE MYOCLONIC EPILEPSY SYNDROMES (UNVERRICHT-LUNDBORG DISEASE)**
Mahfoud Younes El Bashari, *United Arab Emirates*
- 26 **CEREBRAL MALARIA AND EPILEPSY**
Edgard-Brice Ngoungou, P.-M. Preux, *Gabon, France*
- 27 **PREVALENCE OF EPILEPSY IN ALGERIA**
Dalila Moualek, L. Alipacha, S. Abrouk, M. Kediha, S. Slimani, S. Assami, M. Tazir, *Algeria*
- 28 **EPIDEMIOLOGICAL EVALUTION OF SOCIAL PROMBLEMS OF EPILEPTIC PATIENTS IN RANG OF 18-40 YEARS OLD (MARRIAGE, DIVORCE, EDUCATION, ADDICTION, DRIVING AND EMPLOYMENT)**
Radnoosh Pashmforoosh, I. Shariatzadeh, H. Riasi, *Iran*
- 29 **ASSOCIATION OF APOLIPOPROTEIN E POLYMORPHISM TO CLINICAL HETEROGENEITY OF MULTIPLE SCLEROSIS**
Yamina Sifi, K. Sifi, A. Boulefkhed, N. Abadi, A. Hamri, *Algeria*
- 30 **DERMATOLOGICAL MANIFESTATIONS OF EPILEPSY**
Faroug Yasin, A. Hussein, A. Sidig, M.M. Aldar, *Sudan*
- 31 **EPILEPTIC SEIZURES IN SAHARAWI REFUGEE CAMPS**
Luisa Sambati, F. Sbravati, M. Abate, C. Speranzini, G. Fedeli, M. Mattioli, G. Ambrosetto, *Italy*

Sunday, November 13, 2011

10:30-16:30

Poster Area

POSTER SESSION 1: EPILEPSY (contd.)

Poster No

- 32 **PREVALENCE OF EPILEPSY IN THE 15 YEARS AND OLDER IN BENIN: A DOOR-TO-DOOR NATIONWIDE SURVEY**
Pierre-Marie Preux, L.-P. Yemadje, D. Houinato, M. Druet-Cabanac, *France*
- 33 **ANTHROPOLOGICAL AND EPIDEMIOLOGICAL STUDY OF EPILEPSY IN THE REGION OF TANGIER**
Youssef Bahbiti, F. Moutaouakil, A. Mesfioui, H. Fadel, *Morocco*
- 34 **UNDERSTANDING THE DIFFERENCES IN PREVALENCE OF EPILEPSY IN TROPICAL REGIONS**
Pierre-Marie Preux, L.-P. Yemadje, D. Houinato, M. Druet-Cabanac, *France*
- 35 **PROFILE OF POST - TRAUMATIC EPILEPSY IN BENIN CITY, NIGERIA**
O.A. Ogunrin, Victoria Oladunni Ogundare, A.A. Adeyekun, *Nigeria*
- 36 **CANNABINOID-SENSITIVE RECEPTOR GPR55 REGULATES NEUROTRANSMITTER RELEASE IN THE BRAIN**
S. Sylantyev, T.P. Jensen, R.A. Ross, Dmitri A Rusakov, *UK*
- 37 **LOW MAGNESIUM MODEL OF SEIZURE-LIKE EVENTS AND ACTION OF SK-CHANNEL ENHANCERS ON ORGANOTYPIC HIPPOCAMPAL SLICE CULTURE *IN VITRO***
Muahmmad Liaquat Raza, I. Papageorgiou, U. Heinemann, *Germany*
- 38 **GLUCOSE-DEPENDENT INSULINOTROPIC PEPTIDE RECEPTOR EXPRESSION IN MESIAL TEMPORAL LOBE EPILEPSY**
C.P. Figueiredo, V. Antunes, N. de Mello, R. Medeiros, B. Lobão-Soares, G. Di Giunta, T. Mazzuco, K. Lin, M. Linhares, R.D. Prediger, Roger Walz, *Brazil*
- 39 **INTRACEREBROVENTRICULAR ADMINISTRATION OF LIPOPOLYSACCHARIDE DECREASES CONNEXIN 43 PROTEIN EXPRESSION IN RAT HIPPOCAMPUS**
Mohammad Sayyah, B. Kaviani, M. Bagheri, M. Olad, B. Khoshkholgh-Sima, R. Mahdian, *Iran*
- 40 **THE PREDICTORS OF SEIZURE IN CEREBRAL VENOUS SINUS THROMBOSIS AND ITS PROGNOSTIC SIGNIFICANCE**
Jayantee Kalita, U.K. Misra, S. Chandra, B. Kumar, V. Bansal, *India*

Sunday, November 13, 2011

10:30-16:30

Poster Area

**POSTER SESSION 1:
EPILEPSY (contd.)**

Poster No

- 41 **STUDING INTERICTAL EPILEPTIC ACTIVITY WITH EEG/FMRI IN FOCAL EPILEPSY**
Marco Simonetto, M. Naccarato, L. Zanet, G. Masè, F. Monti, G. Pizzolato,
Italy
- 42 **DIFFUSION WEIGHTED MAGNETIC RESONANCE IMAGING IN PATIENTS WITH STATUS EPILEPTICUS**
Takashi Matsudaira, H. Shibayama, K. Nishimura, F. Katada, S. Satou,
T. Fukutake, *Japan*
- 43 **KLÜVER-BUCY SYNDROME WITH ISOLATED BILATERAL HIPPOCAMPAL ATROPHY FOLLOWING STATUS EPILEPTICUS**
Hong-Kyun Park, K.-J. Kim, H.-J. Moon, S.-J. Kim, S.-H. Park,
Republic of Korea
- 44 **DEFINITION OF A STEREOTACTIC 3D MODEL OF THE INSULA FOR NEUROSURGICAL APPROACH (EPILEPSY AND STEREOTAXIC SURGERY)**
Afif Afif, P. Mertens, *France*
- 45 **REFRACTORY EPILEPSY CHARACTERIZED BY MAGNETOENCEPHALOGRAPHY**
Carlos Miró, T. Ortiz, *Spain*
- 46 **ROLE OF NEUROIMAGING IN EPILEPSY**
A L J Soumaya, H. Kamrani, M. Ouali Idrissi, N. Cherif Idrissi Guenouni,
O. Essadki, A. Ousehal, *Morocco*
- 47 **MRI FINDINGS IN INTRAMEDULLARY TUBERCULOMA: REPORT OF SIX CASES**
Younes Ouahmane, J. Mounach, A. Satte, T. Boulahri, M. Fikri, N. Elkettani,
M. Jidane, *Morocco*
- 48 **FUNCTIONAL ORGANIZATION AND REORGANIZATION OF CORTICAL MOVEMENT REPRESENTATIONS IN MAN**
W. Muellbacher, **Tamara Kapfer**, Vienna Neuroplasticity Study Group,
Austria

Sunday, November 13, 2011

10:30-16:30

Poster Area

POSTER SESSION 1: EPILEPSY(contd.)

Poster No

- 49 **EPILEPSY REMISSION STAGE STATEMENT BY NONLINEAR METHODS FOR EEG RESULTS PROCESSING**
V. Kistsen, S. Laurentsyeva, **Victor Evstigneev**, V. Golovko, *Belarus*
- 50 **ROUTINE ELECTROENCEPHALOGRAPHY SIMULTANEOUS ACTIVATION PROCEDURES IN PATIENTS WITH EPILEPSY**
Panayiota Myrianthopoulou, E. Papathanasiou, S. Papacostas, *Cyprus*
- 51 **DOES TRANSCUTANEOUS NERVE STIMULATION HAVE AN EFFECT ON SYMPATHETIC SKIN RESPONSE**
Esra E Okuyucu, A.D. Turhanoglu, N. Savas, H. Guler, T. Duman, N. Kizil, N. Mengulluoglu, *Turkey*
- 52 **ELECTRICAL STIMULATION INDUCED SEIZURES DURING INTRACRANIAL TELEMETRY IN THE LOCALIZATION OF ICTAL ONSET ZONE IN PATIENTS WITH MEDICALLY REFRACTORY EPILEPSY**
K.N Ramesha, V. Pardhasini, G. Alarcon, N. Mullatti, R. Elwes, A. Valantin, F. Brunnhuber, *UK*
- 53 **IS THERE ANY DIFFERENCE BETWEEN AWAKENING EEG IN BENIGN ROLANDIC EPILEPSY AND *CONTINUOUS* SPIKE-AND-WAVES DURING SLEEP SYNDROME?**
Lalla Kaoutar El Alaoui Taoussi, A. Satte, J. Mounach, H. Ouhabi, *Morocco*
- 54 **A EUROPEAN MULTICENTRIC EEG DATABASE FROM EPILEPSY PATIENTS**
Andreas Schulze-Bonhage, M. LeVanQuyen, F. Sales, B. Schelter, A. Dourado, M. Ihle, *Germany, France*
- 55 **THE NOVEL APPLICATION OF SPATIO-TEMPORAL DECOMPOSITION IN THE DIAGNOSIS OF FOCAL EPILEPSY**
Fatimah Javaid, H. Angus-Leppan, T. Tidswell, C.D. Jackson, *UK*
- 56 **THE PLACE OF EEG AFTER THE FIRST EPILEPTIC SEIZURE**
Fatimazahra Taoufiqi, J. Mounach, A. Satté, Y. Ouahmane, A. Zerhouni, H. Ouhabi, *Morocco*
- 57 **AN AUDIT OF EPILEPSY CARE IN LOW RESOURCE URBAN AREAS OF NORTHEAST NIGERIA**
Fatai Kunle Salawu, A.U. Mana, A. Danburam, R. Alaya, *Nigeria*

Sunday, November 13, 2011

10:30-16:30

Poster Area

**POSTER SESSION 1:
EPILEPSY(contd.)**

Poster No

- 58 **PREVALENCE OF DEPRESSION AND ANXIETY IN PATIENTS WITH EPILEPSY**
Mykhaylo M. Oros, O.O. Yevtuhenko, *Ukraine*
- 59 **RETROSPECTIVE ANALYSIS OF PATIENTS WITH NOCTURNAL PARTIAL EPILEPSY**
Derya Yavuz Demiray, Ç. Ozkara, N. Yeni, N. Karaağaç, M. Uzan, *Turkey*
- 60 **MRI-NEGATIVE PET-POSITIVE' TEMPORAL LOBE EPILEPSY: INVASIVE EEG FINDINGS, HISTOPATHOLOGY, AND POSTOPERATIVE OUTCOMES**
Robert Kuba, I. Tyrlikova, J. Chrastina, B. Slana, M. Pazourkova, J. Hemza, M. Brazdil, Z. Novak, M. Hermanova, I. Rektor, *Czech Republic*
- 61 **ANALYSIS OF VENTRICULAR LATE POTENTIALS IN SIGNAL-AVERAGED ECG OF PEOPLE WITH EPILEPSY**
Konrad Rejdak, A. Rubaj, A. Głowniak, A. Kutarski, A. Wysokiński, Z. Stelmasiak, *Poland*
- 62 **FREQUENCY OF SEIZURE RELATED HEADACHES IN EPILEPSY PATIENTS**
Adikaibe Birinus Ezeala-Adikaibe, A. Justin, O. Henry, I. Mark, *Nigeria*
- 63 **SLEEP DISORDERS IN PATIENTS WITH EPILEPSY IN RIO DE JANEIRO: A SUBJECTIVE EVALUATION IN 100 PATIENTS**
Marleide da Mota Gomes, G.S.M. Leite Neves, M. Venturi, A. Giorelli, *Brazil*
- 64 **GAS GEYSER SYNDROME: AN IMPORTANT PREVENTABLE CAUSE OF DISABLING NEUROLOGICAL EVENTS**
Pamela Correia, C.S. Agrawal, R. Ranjan, M. Chugh, S. Kumar, A. Gupta, N. Jha, *India*
- 65 **HIPPOCAMPAL SCLEROSIS AND IPSILATERAL HEADACHE AMONG MESIAL TEMPORAL LOBE EPILEPSY PATIENTS**
J.C. Nunes, D.B. Zakon, L.S. Claudino, R. Guarnieri, A.C. Bastos, Q.L. Paulo, **Roger Walz**, K. Lin, *Brazil*
- 66 **EPILEPTIC SEIZURES IN MULTIPLE SCLEROSIS: CLINICAL AND EEG CORELLATIONS**
Tatjana Cepreganova Cangovska, E. Cvetkovska, I. Kuzmanovski, B. Boskovski, *FYR Macedonia*

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- 67 **ADULT RASMUSSEN ENCEPHALITIS**
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F. Bellakhdar, S. Aidi, M. El Alaoui Faris, *Morocco*
- 68 **RISK FACTORS FOR POST-TRAUMATIC SEIZURES AMONG PATIENTS
WITH BRAIN INJURY**
Adalet Eda Budak, Ü.N. Gündoğmus, A. Kocer, M. Akin, T. Asil, H. Ince,
Turkey
- 69 **EPILEPTIC SEIZURES REVEALING HYPERGLYCEMIA**
Amal Satte, J. Mounach, Y. Ouhmane, A. Zerhouni, H. Ouhabi, *Morocco*
- 70 **EPILEPSY AND VIOLENT ACTS: REVIEW OF 14 YEARS OF FORENSIC
PSYCHIATRIC EXPERTISE**
M. Maâlej Bouali, J. Ben Thabet, N. Charfi, **Amir Boukhris**, L. Zouari,
N. Zouari, C. Mhiri, M. Maâlej, *Tunisia*
- 71 **ACTH FOR REFRACTORY CHILDHOOD SEIZURES: A 24-WEEK TRIAL**
Hussein Hosny Abdeldayem, *Egypt*
- 72 **PERCEPTION OF EPILEPSY AMONG NIGERIAN CHILDREN**
Fatai Kunle Salawu, A. Popoola, B. Hassan, A. Danburam, *Nigeria*
- 73 **CLINICAL AND ELECTROGRAPHIC FEATURES OF NODDING
SYNDROME IN NORTHERN UGANDA**
James J. Sejvar, A.M. Kakooza, J.L. Foltz, M. Malimbo, R. Ndyomugenyi,
A.D. Atai-Omoruto, P. Melstrom, R.G. Downing, D. Olara, L. Alexander,
B. Abang, J. Ehrenberg, S. Helmers, D.K.W. Lwamafa, S.F. Dowell, *USA*
- 74 **LONG-TERM PROGNOSIS OF CHILDHOOD EPILEPSY AFTER ONE OR
MORE MEDICATIONS FAIL FOR LACK OF EFFICACY**
Elaine Wirrell, K. Nickels, L. Wong-Kisiel, B. Grossardt, *USA*
- 75 **SELECTED PREDICTORS OF DRUG RESISTANCE OF PARTIAL
EPILEPSY IN CHILDREN AND ADOLESCENTS**
Ewa Emich - Widera, W. Likus, B. Kazek, K. Pruszczyńska, A.L. Sieroń,
Poland
- 76 **THE IMPACT OF SEIZURES ON THE SUCCESS OF TREATMENT IN
CHILDREN WITH PERVASIVE DEVELOPMENTAL DISORDER**
Milijana Selakovic, S. Torbica, T. Antin Pavlovic, *Serbia*

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- 77 **FOCAL INTERICTAL PAROXYSMAL EEG ABNORMALITIES IN CHILDHOOD ABSENCE EPILEPSY**
Hamid Ouhabi, M. Nemmaoui, A. Satté, J. Mounach, *Morocco*
- 78 **AN EVALUATION OF QUALITY OF LIFE OF MOTHERS OF CHILDREN WITH EPILEPSY: ABOUT A COHORT OF 60 MOTHERS**
I. Hsairi, I. Abid, E. Ellouze, F. Jardak, A. Ben Moussa, I. Lahyani, Fatma Kammoun, C. Triki, *Tunisia*
- 79 **CHILDHOOD'S EPILEPSY IN SENEGAL**
Moustapha Ndiaye, L.B. Seck, K. Touré, A.D. Sow, A.M. Basse, A.G. Diop, M.M. Ndiaye, *Senegal*
- 80 **WHEN SHOULD INBORN ERRORS OF METABOLISM BE CONSIDERED IN ABSENCE SEIZURES?**
I. Hsairi, Emna Elouz, H. Ben Othmen, I. Abid, N. Kamoun, F. Kamoun, F. Fakhfakh, N. Kaabachi, C. Triki, *Tunisia*
- 81 **RUFINAMIDE COULD A SECOD LINE FOR THE ADJUNCTIVE TREATMENT OF PARTIAL SEIZURES IN ADULTS?**
Rosalia Chifari, C. Bonaventini, M. Lodi, M. Viri, A. Romeo, *Italy*
- 82 **INDIAN MULTICENTER, RANDOMIZED DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL TRIAL ON NOVEL ANTIEPILEPTIC DRUG, LACOSAMIDE (LACOSAM, TORRENT) VS. LEVETIRACETAM (TORLEVA) IN PARTIAL-ONSET SEIZURES**
A. Agarwal, B. Ahmadi, K. Anand, A. Apte, B. Chaudhary, R.I. Dugani, S. Handa, N. Joshi, B. Keshava, G. Kini, R. Lodha, D. Patel, S. Poddar, J. Raychaudhuri, N. Sase, Y. Singh, R. Umashankar, B. Upadhyay, A. Vyas, S. Madatala, Arun Maseeh, A. Srivastava, C. Bavishi, R. Narayan, R. Gangwani, Lacosam Study Group, *India*
- 83 **LEVETIRACETAM VERSUS LORAZEPAM IN STATUS EPILEPTICUS: A RANDOMIZED OPEN LABELED PILOT STUDY**
Usha Misra, J. Kalita, P. Maurya, *India*
- 84 **EFFICACY AND TOLERABILITY OF FLEXIBLE DOSES OF PREGABALIN AS FIRST ADD-ON TREATMENT IN PATIENTS WITH FOCAL EPILEPSIES**
Andreas Hufnagel, H. Stefan, I. Kavuk, S. Evers, *Germany*

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- 85 **BONE TURNOVER MARKERS IN EPILEPTIC PATIENTS UNDER CHRONIC VALPROATE THERAPY IN ISFAHAN, CENTRAL OF IRAN**
Maseumeh Dashti, *Iran*
- 86 **ENDOTHELIAL DYSFUNCTION IN EPILEPTIC PATIENTS**
Mohammad Saadatnia, A. Farhang, S.H. Javanmard, M. Zare, M. Mehvari, M. Ziaee, *Iran*
- 87 **DOES MATERNAL LAMOTRIGINE USE INCREASE THE RISK FOR CLUB FOOT?**
J.P. Mejnartowicz, J. Jentink, E. Garne, M. Loane, J. Morris, Lolkje de Jong-van den Berg, H. Dolk, *The Netherlands*
- 88 **IMPACT OF TOPIRAMATE AND VALPROIC ACID PLASMA CONCENTRATIONS ON SEIZURE CONTROL AND DRUG ADVERSE EVENT FREQUENCY, IN CHILDHOOD-ADOLESCENT EPILEPSIES**
Mihajlo B Jakovljevic, J. Milovanovic, S. Jankovic, N. Todorovic, N.K. Rancic, N. Jestrovic, A. Rankovic, I. Grabnar, S. Jankovic, *Serbia*
- 89 **BENIGN ROLANDIC EPILEPSY PRESENTED LIKE CONTINUOUS SPIKES AND WAVES DURING SLOW SLEEP AFTER TREATMENT BY CARBAMAZEPINE**
Asmaa El Brini, A. Satté, J. Mounach, H. Ouahabi, *Morocco*
- 90 **VAGUS NERVE STIMULATION (VNS) IN A PEDIATRIC POPULATION - SURGICAL TECHNIQUE CONSIDERATIONS IN YOUNG CHILDREN**
Y. Awaad, Tamer Rizk, N. Roosen, *Saudi Arabia*
- 91 **MODELLING OF MAGNETIC STIMULATION IN EPILEPTIC BRAIN**
Volha Kistsen, V. Evstigneev, M. Davydov, *Belarus*
- 92 **EFFECTIVITY OF DIFFERENT ONE-TIME RTMS PARAMETERS EFFECTS ON EXPERIMENTAL SEIZURES**
Volha Kistsen, V. Evstigneev, U. Ulashchik, D. Romanovskii, B. Dubovik, *Belarus*
- 93 **COMPLEMENTARY AND ALTERNATIVE MEDICINE USE AMONG PEOPLE WITH EPILEPSY IN A TERTIARY CARE HOSPITAL IN OMAN**
Samir Al-Adawi, A. Al-Asmi, *Oman*

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- 94 **VAGUS NERVE STIMULATION: A PROGRESSIVE INCREASE IN EFFECTIVENESS**
Panayiota Myrianthopoulou, A. Dietis, S. Papacostas, *Cyprus*
- 95 **EPILEPSY SURGERY: PRELIMINARY EXPERIENCE FROM MOROCCO**
Adyl Melhaoui, A. Bouchaouech, F. Hajjouji, R. Ouazzani, A. El Khamlichi, *Morocco*
- 96 **APPLICATION OF THE EVENT RELATED POTENTIAL P300 IN ASSESSMENT OF COGNITIVE FUNCTIONS IN PATIENTS WITH EPILEPSY**
B. Labuz-Roszak, Krystyna Pierzchala, S. Pyrtek, I. Mańka-Gaca, *Poland*
- 97 **DEPRESSIVE SYMPTOMS IN PATIENTS WITH EPILEPSY: ANALYSIS OF SELF-RATING AND PHYSICIAN'S ASSESSMENT**
Olubunmi Akindele Ogunrin, Y.O. Obiabo, *Nigeria*
- 98 **GENERALIZED CONVULSIVE EPILEPSY (GCE) INDUCED BY INTENTIONAL HYPERVENTILATION (HV)**
Latifa Boukarrou, S.L. Jaffe, *USA*
- 99 **A NEW ADVERSE EVENT DUE TO ETOMIDATE USE FOR SPEECH AND MEMORY EVALUATION (ESAM)**
F.M. Branco Germiniani, Carlos Alexandre Twardowschy, C.E. Soares Silvado, L. de Paola, A.C. de Souza Crippa, M.J. Mäder-Joaquim, C. Del Claro Höpker, A.P. Gaspari, F. Camargo, J. Kanegosuku, Programa de Cirurgia de Epilepsia e Eletrencefalografia, *Brazil*
- 100 **INFLUENCE OF DEPRESSIVE MOOD ON QUALITY OF LIFE RATINGS OF WOMEN WITH EPILEPSY OF CHILDBEARING AGE**
Koraliya Todorova, A. Kaprelyan, *Bulgaria*
- 101 **MEDICOEGAL ACTS AND EPILEPSY: CASES REPORT**
Imane Adali, A. Amjahdi, F. Manoudi, F. Asri, *Morocco*
- 102 **PAIN ASSESSMENT IN PEOPLE WITH DEMENTIA IN THE OLD AGE PSYCHIATRY AND MEDICINE FOR THE ELDERLY WARDS**
Aniruddha Rajkonwar, N. Shah, *UK*

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- 103 **ASSESSMENT OF DEPRESSIVE SYMPTOMS AND SUICIDE RATE IN PATIENTS WITH EPILEPSY IN ROUTINE CLINICAL SETTING**
Ruta Mameniskiėne, A. Sileikaite, V. Budrys, E. Navickiene, *Lithuania*
- 104 **THE CHARACTERISTICS OF EMERGENCY ATTENDEES FOR EPILEPSY IN LONDON HOSPITALS**
Adam Noble, L. Goldstein, P. McCrone, P. Seed, M. Morgan, L. Ridsdale, *UK*
- 105 **STIGMA AND LEGISLATION**
Anthony Zimba, *Zambia*
- 106 **PREVALENCE OF PERSONALITY DISORDERS AMONG EPILEPTIC PATIENTS OF THE TOWNSHIP OF DJIDJA IN BENIN**
Constant Kodjo Adjien, G. Goudjinou, D. Gnonlonfoun, T. Adoukonou, M. Agbėtou, P. Nouboukpo, D. Houinato, G. Avodė, *Benin*
- 107 **SYNTHESIS AND INFLUENCE OF SOME QUINOXALINIC DERIVATIVES ON ANXIETY- AND DEPRESSIVE-LIKE RESPONSES IN WISTAR RAT**
Redouan Nakache, A. Ouichou, A. Elhessni, A. Mesfioui, *Morocco*
- 108 **EPILEPSY AND PSYCHIATRIC COMORBIDITIES**
N. Charfi, J. Ben Thabet, M. Maālej Bouali, Amir Boukhris, L. Zouari, N. Zouari, C. Mhiri, M. Maālej, *Tunisia*

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- 109 **POPULATION STUDY OF (CAG/CAA)_N ALLELE VARIATION IN THE TATA BOX-BINDING PROTEIN AND ATXN2-TBP MUTATIONS IN A FAMILY WITH TYPICAL PARKINSON**
José Miguel Laffita Mesa, Y. Vázquez Mojena, L. Laguna Salvia, M. Verdecia Ramírez, J.A. Valdevila Figueira, T. Cruz Mariño, R. Rodriguez Labrada, *Cuba*
- 110 **ASSESSMENT OF DEPRESSION IN PARKINSON DISEASE PATIENTS**
M. Lisak, Zlatko Trkanjec, V. Demarin, *Croatia*

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- 111 **PARKINSON'S DISEASE WITH DEMENTIA (PDD) AND LEWY BODY DEMENTIA (LBD) HAVE DIFFERENT COGNITIVE AND NEUROPSYCHIATRIC PROFILES AND STEREOTYPIC BEHAVIOURS**
Vincenza Fetoni, S. Prioni, F. Barocco, V. Redaelli, P. Soliveri, C. Falcone, G. Rodolfi, P. Caffarra, M.G. Saginario, S. Gardini, L. Concarì, A. Scaglioni, F. Girotti, *Italy*
- 112 **STARTING UP A NATIONAL DEEP BRAIN STIMULATION SURGERY PROGRAM FROM SCRATCH: WHAT YOU REALLY NEED TO KNOW**
John Caird, D. Healy, *Ireland*
- 113 **TMAMOXIFEN SUPPRESSES OPENING ATP-SENSITIVE K⁺ CHANNELS ENHANCED HYDROXYL RADICAL GENERATION BY 1-METHYL-4-PHENYLPYRIDINIUM ION IN RAT STRIATUM**
Toshio Obata, *Japan*
- 114 **EFFECT OF GAIT REHABILITATION IN PARKINSON DISEASE: VARIABILITY OF STRIDE TIME AND SWING TIME AFTER THE KINETIC PROGRAMME**
Elena Sidenco, R. Tugui, G. Vajaiala, *Romania*
- 115 **FREQUENCY AND CLINICAL FEATURES OF PARKINSON'S DISEASE IN MALIAN PATIENTS**
Traore Moussa, M. Traore, A.T. Kone, T. Coulibaly, M. Karambe, C.O. Guinto, A. Sissoko, T. Coulibaly, B. Maiga, K. Dembele, D. Dembele, L. Cisse, J. Assogba, S. Traore, *Mali*
- 116 **THE EFFECT OF IV AMANTADINE ON FREEZING OF GAIT (FOG) RESISTENT TO DOPAMINERGIC THERAPY**
Beom Seok Jeon, *Republic of Korea*
- 117 **DEPRESSION IN THE PARKINSON'S DISEASE**
Srdjana Telarovic, I. Telarovic, *Croatia*
- 118 **NUTRITIONAL STATUS AND DIETARY HABITS IN GHANAIAN PARKINSON'S DISEASE PATIENTS**
Erica Cassani, G. Privitera, M. Barichella, L. Iorio, E. Cereda, R. Cilia, A. Bonetti, G. Pezzoli, *Italy*

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- 119 **INTRAVENOUS AMANTADINE IS SAFE AND EFFECTIVE FOR THE PERIOPERATIVE MANAGEMENT OF PATIENTS WITH PARKINSON'S DISEASE**
Beom S Jeon, Republic of Korea
- 120 **PARKINSONISM AS FIRST MANIFESTATION OF LUPUS**
Lamiae Lachhab, W. Regragui, S. Hamaz, E.H. Ait Benhaddou, A. Benomar, M. Yahyaoui, Morocco
- 121 **SLEEP DISTURBANCE AND POTENTIAL INFLUENCING FACTORS IN KOREAN PD PATIENTS WITH PARKINSON'S DISEASE SLEEP SCALE**
Jong Sam Baik, H.I. Ma, Republic of Korea
- 122 **SERUM LEPTIN LEVELS INCREASE IN ADVANCED MULTIPLE SYSTEM ATROPHY PATIENTS WITH AUTONOMIC FAILURE PROGRESSION**
Utako Nagaoka, T. Shimizu, S. Matsubara, Japan
- 123 **CLINICO-ELECTROPHYSIOLOGICAL CORRELATION IN PATIENTS WITH CORTICOBASAL SYNDROME**
Keiko Tamaki, J. Tsugawa, Y. Tsuboi, T. Yamada, Japan
- 124 **NEUROMELANIN-RELATED CONTRAST (NRC) IN THE SUBSTANTIA NIGRA SEMIQUANTITATIVELY EVALUATED BY 3T MRI: COMPARISON BETWEEN NORMAL AGING AND PARKINSON DISEASE(PD)**
Makoto Tanaka, Y. Aihara, S. Ikeda, Y. Aihara, Japan
- 125 **ABLATION OF RAT SUBSTANTIA NIGRA MAY PROVIDE A GOOD ACUTE MODEL OF PARKINSON'S DISEASE FOR STEM CELL TRANSPLANTATION**
Shun-Ichiro Hirano, Y. Tokumoto, Y. Nishikawa, Japan
- 126 **PROFILE OF IDIOPATHIC PARKINSON'S DISEASE IN MOROCCAN PATIENTS**
Wafa Regragui, L. Raissouni, K. Rasmouni, R. Razine, F. Imounan, L. Lachhab, E.H. Ait Ben Haddou, A. Benomar, M. Yahyaoui, Morocco
- 127 **THE RAPHE NUCLEI IN PARKINSON'S DISEASE AND PARKINSONISM**
Tatsuya Takahashi, N. Arai, T. Komori, T. Mizutani, S. Yagishita, H. Nagatomo, Y. Kuroiwa, Japan

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- 128 **THE ROLE OF INTRAOPERATIVE MICRORECORDING IN PARKINSON'S DISEASE ON THE SAFETY AND EFFICACY OF SUBTHALAMIC NUCLEUS STIMULATION**
Katarzyna Obszańska, E. Papuc, *Poland*
- 129 **AGGRESSIVE BEHAVIOR AS A RARE SIDE EFFECT OF DEEP BRAIN STIMULATION OF SUBTHALAMIC NUCLEUS IN PARKINSON'S DISEASE**
Ewa Papuć, K. Obszańska, T. Trojanowski, Z. Stelmasiak, *Poland*
- 130 **PROFILE OF MULTIPLE SYSTEM ATROPHY IN MOROCCAN PATIENTS FROM MOVEMENT DISORDERS CONSULTATION IN UNIVERSITY HOSPITAL OF RABAT**
Lamiaë Lachhab, W. Regragui, R. Razin, N. Ahbeddou, K. Rasmouni, L. Raissouni, E.H. Ait Benhaddou, A. Benomar, M. Yahyaoui, *Morocco*
- 131 **SEMI-QUANTIFICATION OF ¹²³I-FP-CIT (DATSCAN™) UPTAKE IN PARKINSONIAN SYNDROME**
Knut Liepe, C. Trenkwalder, F. Sixel-Döring, B. Kempers, *Germany*
- 132 **CLINICAL PAIN AND EXPERIMENTAL PAIN SENSITIVITY IN PROGRESSIVE SUPRANUCLEAR PALSY**
Maria Stamelou, W. Oertel, G. Hoeglinger, C. Moeller, V. Mylius, *UK*
- 133 **ARGENTINE TANGO AS THERAPY FOR PARKINSON'S DISEASE (PD)**
Vanina Diaz Aragunde, N. Garretto, M. Arce, T. Arakaki, L. Abaroa, P. Frola, M. Oliveri, C. Moreno, D. Rabinovich, *Argentina*
- 134 **COGNITIVE, BEHAVIORAL AND MOOD DISORDERS IN PARKINSON DISEASE**
Vaclav Dostal, E. Ehler, A. Kopal, *Czech Republic*
- 135 **COMPARATIVE LONGITUDINAL STUDY OF MOTOR PARAMETERS OF THE LRRK2 G2019S AND GENETICALLY UNDEFINED PATIENTS IN TUNISIA**
Fatma Fatnassi Nabli, I. Bekri, E. Hentati, H. Nahdi, S. Ben Sassi, M. Zouari, R. Amouri, F. Hentati, *Tunisia*
- 136 **MOTOR AND NON MOTOR SYMPTOMS DURING TREATMENT WITH IMMEDIATE RELEASE AND EXTENDED RELEASE DOPAMINE AGONISTS IN PATIENTS WITH PARKINSON'S DISEASE**
Margherita Canesi, M. Rusconi, E. Reali, R. Cilia, A.L. Zecchinelli, C.B. Mariani, F. Moroni, G. Pezzoli, *Italy*

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- 137 **LEVODOPA INDUCED MOTOR COMPLICATIONS IN PATIENTS WITH SHORT AND/OR LONG DURATION OF PARKINSON'S DISEASE**
Maja Relja, V. Miletic, *Croatia*
- 138 **ANALYSIS OF GWAS-LINKED GAK LOCUS IN ETHNIC CHINESE**
Ee Wei Lim, E.K. Tan, *Singapore*
- 139 **PARKINSON'S DISEASE AND LIFE QUALITY**
Irina Alexandrovna Zhukova, N.G. Zhukova, M.G. Zhestikova, *Russia*
- 140 **CLINICAL PREDICTORS FOR EARLY STAGED PLACEMENT OF SUBTHALAMIC DBS IN PARKINSON DISEASE**
Ray L Watts, V. Sung, D. Wang, B.L. Guthrie, H.C. Walker, *USA*
- 141 **VALIDATION OF 24-HOUR AMBULATORY GAIT ASSESSMENT IN PARKINSON'S DISEASE WITH SIMULTANEOUS VIDEO OBSERVATION**
Steven Moore, V. Dilda, H. MacDougall, *USA*
- 142 **DEPRESSION IMPAIRS LEARNING WHEREAS ANTICHOLINERGICS IMPAIR TRANSFER GENERALIZATION IN PARKINSON PATIENTS TESTED ON DOPAMINERGIC MEDICATIONS**
M.M. Herzallah, A.A. Moustafa, **Adel J. Misk**, L.H. Dweib, S.A. Abdelrazeq, C.E. Myers, M.A. Gluck, *Palestinian Authority*
- 143 **THE EFFECTS OF SUBTALAMIC NUCLEUS DEEP BRAIN STIMULATION (STN-DBS) ON BALANCE AND GAIT IN PD**
Eva Brandão, A. Oliveira, B. Carvalho, P. Linhares, M. Ayres-Basto, R. Vaz, M.J. Rosas, *Portugal*
- 144 **REGIONAL CEREBRAL BLOOD FLOW IN PARKINSON'S DISEASE - RELATION TO COGNITIVE IMPAIRMENT**
Kazuko Hasegawa, T. Yokoyama, E. Horiuchi, A. Kumon, E. Kanako, *Japan*
- 145 **ROTIGOTINE IN PARKINSON'S DISEASE: COMPARISON OF DOSAGE, EFFICACY, ADVERSE EVENTS, PHARMACOKINETICS IN CLINICAL TRIALS IN EUROPE, US AND JAPAN**
Masahiro Nomoto, T. Kondo, K. Hasegawa, M. Murata, N. Hattori, Y. Mizuno, and Rotigotine Study Group, *Japan*
- 146 **IS MEASUREMENT OF OLFACTORY BULB VOLUME USEFUL FOR THE DIAGNOSIS OF PARKINSON'S DISEASE?**
Renpei Sengoku, S. Matsushima, K. Bono, S. Takagi, Y. Kono, M. Morita, S. Mochio, *Japan*

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- 147 **ACTIGRAPHIC STUDY OF TREMOR BEFORE AND AFTER TREATMENT WITH ZONISAMIDE IN PATIENTS WITH PARKINSON'S DISEASE**
Soichiro Mochio, R. Sengoku, Y. Kono, M. Morita, H. Mitsumura, S. Takagi, H. Oka, *Japan*
- 148 **LIDOCAINE INJECTION INTO EXTERNAL OBLIQUE MUSCLE IMPROVES UPPER TYPE CAMPTOCORMIA IN PARKINSON DISEASE PATIENTS**
Yoshihiko Furusawa, T. Sakamoto, H. Nakamura, Y. Mukai, K. Ikeda, T. Sakamoto, Y. Iwata, M. Wakita, Y. Kobayashi, M. Murata, *Japan*
- 149 **THE INFLUENCE OF NEUROTRANSMITTERS ON P300 PARAMETERS IN PARKINSON'S PATIENTS**
Suna Ay Sarikaya, N.G. Yavasoglu, S.S. Comoglu, *Turkey*
- 150 **THE ROLE OF THE ALA746THR VARIANT IN THE ATP13A2 GENE AMONG CHINESE PARKINSON'S DISEASE PATIENTS**
Yin Yan Anne Chan, C.T.V. Mok, L. Baum, S.-H. Kuo, *Hong Kong S.A.R*
- 151 **BLOOD PRESSURE FLUCTUATION IN PATIENTS WITH PARKINSON DISEASE AND ITS RELATED DISORDERS**
Sadako Kuno, T. Tsukamoto, Y. Kitano, *Japan*
- 152 **EFFECTS OF TARGET CELLS, VARIOUS TROPHIC FACTORS, AND CYTOKINES ON CELL SURVIVAL AND APOPTOSIS OF EMBRYONIC DOPAMINERGIC NEURONS (EDAN)**
Peterus Thajeb, R. Dai, D.D. Thajeb, *Taiwan R.O.C.*
- 153 **CLINICAL-PATHOLOGICAL DISAGREEMENT IN PARKINSON DISEASE (PD) AND MULTIPLE SYSTEM ATROPHY (MSA)**
S. Smyth, Kwan Ng, J. Savitt, S. Grill, Z. Mari, *USA*
- 154 **STIFF PERSON SYNDROME ASSOCIATED WITH NEURO ENDORINE CARCINOMA**
Jihene Yacoubi, H. Benrhouma, I. Rebai, N. Gouider-Khouja, *Tunisia*
- 155 **PD PATIENTS AND THEIR NEUROLOGISTS DISAGREE OVER THE IMPORTANCE OF MOTOR AND NON-MOTOR SYMPTOMS. THE UNIVERSITY OF MONTREAL EXPERIENCE**
Michel Panisset, C. Lepage, N. Jodoin, V. Soland, S. Chouinard, *Canada*

**POSTER SESSION 1:
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- 156 **AN A-SYNUCLEIN 3'-FLANKING REGION SNP INTERACTS WITH PARKINSON'S DISEASE SUSCEPTIBILITY VIA ALLELE-SPECIFIC BINDING OF A TRANSCRIPTION FACTOR**
Tatsushi Toda, I. Mizuta, *Japan*
- 157 **BICYCLE SIGN IN PARKINSONISM**
B. Kannan, R. Lakshmi Narasimhan, R.M. Boopathy, *India*
- 158 **STUDY OF EXECUTIVE COMPONENTS OF THE CENTRAL EXECUTIVE IN PARKINSON'S DISEASE**
Fatima Boutbibe, A.M. Ergis, M. El Alaoui Faris, *Morocco, France*
- 159 **THE PARKINSON'S DISEASE IN AFRICA COLLABORATION PROJECT IN GHANA-THE STORY SO FAR**
Albert Akpalu, M. Cham, R. Cilia, G. Pezzoli, *Ghana*
- 160 **COGNITIVE AND LANGUAGE DISTURBANCES OF GREEK PARKINSON'S DISEASE DEMENTED POPULATION**
D. Tafiadis, Grigorios Nasios, S. Konitsiotis, *Greece*
- 161 **MEMORY, VISUOSPATIAL, AND LANGUAGE DISTURBANCES FOR GREEK PARKINSONIAN POPULATION**
Dionysios Tafiadis^{1,2}, S. Konitsiotis, G. Nasios, *Greece*
- 162 **PARKINSONIAN SYNDROME AS A MANIFESTATION OF SYSTEMIC LUPUS ERYTHEMATOSUS: A CASE REPORT**
Hassani Rachid, N. Fakhraddine, A. Karouach, *Morocco*
- 163 **PARKINSON'S DISEASE CHARACTERISTICS IN SOUTHERN TUNISIA**
Slim Smaoui, A. Boukhris, M. Damak, E. Turki, M.I. Miladi, I. Feki, C. Mhiri, *Tunisia*
- 164 **FRONTAL SYSTEMS BEHAVIOURAL SYNDROMES IN OLDER PARKINSON'S DISEASE (PD) PATIENTS: COMPARISON WITH A (NON-PD) DEPRESSED SAMPLE**
Liliana Loftus, E. Thornton, S. Sikdar, R. Cunningham, C. Turnbull, *UK*
- 165 **PARKINSON'S DISEASE PSYCHOSIS: THREE CASES**
Siham Belarbi, A. Yahia, Y. Othmane, S. Teziti, J. Mehssani, A. Bichra, *Morocco*

**POSTER SESSION 1:
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- 166 **GAMMA KNIFE RADIOSURGERY FOR TREMOR PRELIMINARY EXPERIENCE FROM MOROCCO**
Adyl Melhaoui, Y. Arkha, W. Regragui, T. Witjas, J. Régis, A. El Khamlichi, *Morocco*
- 167 **RESTING TREMOR IN PARKINSON'S DISEASE: IS THE PALLIDUM THE BLAME OR AN INNOCENT BYSTANDER?**
Daniela Frosini, S. Mazzucchi, F. Vanelli, K. Masri, U. Bonuccelli, R. Ceravolo, *Italy*
- 168 **TITLE: THE MANAGEMENT OF LRRKE G2019S AND MOTOR COMPLICATIONS: TUNISIAN EXPERIENCE**
Fatma Fatnassi Nabli, S. Ben Sassi, E. Hentati, I. Bekri, H. Nahdi, M. Zouari, R. Amouri, F. Hentati, *Tunisia*
- 169 **DEEP BRAIN STIMULATION FOR PARKINSON DISEASE IN MOROCCO: PRELIMINARY EXPERIENCE OF A SERIES OF 9 CASES**
Nizar El Fatemi, M. Rahmani, S. El Hadri, R. Gana, M. Benabdeljlil, M. El Alaoui Faris, F. Bellakhdar, *Morocco*
- 170 **RELEVANCE OF AERODYNAMIC EVALUATION IN PARKINSONIAN DYSARTHRIA**
Mamadou Moustapha Sarr, A. Ghio, R. Espesser, B. Teston, F. Viallet, *Senegal*
- 171 **HYPERPROLACTINEMIA AND GYNECOMASTIA INDUCED BY BENSERAZIDE**
Fettouma Moutaouakil, H. El Otmani, H. Fadel, I. Slassi, *Morocco*
- 172 **QUALITY OF LIFE IN A MOROCCAN POPULATION WITH PARKINSON'S DISEASE**
Wafa Regragui, L. El Ouardi, R. Razine, S. Tazrout, K. Rasmouni, E.H. Ait Benhaddou, A. Benomar, M. Yahyaoui, *Morocco*
- 173 **NON-MOTOR SYMPTOMS IN NIGERIANS WITH PARKINSON'S DISEASE: A BRIEF SURVEY**
Rufus O Akinyemi, N.U. Okubadejo, A. Ogunniyi, *Nigeria, UK*
- 174 **TRACE METALS IN PATIENTS WITH PARKINSON'S DISEASE: A MULTI-CENTER CASE-CONTROL STUDY OF NIGERIAN PATIENTS**
O.A. Ogunrin, Marie Ewere Onyemekeihia, M.A. Komolafe, O.E. Sanya, C. Osubor, O.A. Ajose, A.A. Akande, *Nigeria*

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**POSTER SESSION 1:
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- 175 **PIOGLITAZONE AMELIORATES BEHAVIORAL, BIOCHEMICAL AND CELLULAR ALTERATIONS IN QUINOLINIC ACID INDUCED NEUROTOXICITY: POSSIBLE ROLE OF PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR- γ (PPAR γ)**
Harikesh Kalonia, A. Kumar, *India*
- 176 **GENDER AND WILSON'S DISEASE**
Anna Czlonkowska, T. Litwin, G. Gromadzka, A. Czlonkowski, *Poland*
- 177 **HYPERGLYCEMIA-INDUCED HEMICHOREA WITHOUT DIABETES MELLITUS**
Jae Woo Kim, H.S. Kim, K.W. Park, *Republic of Korea*
- 178 **REVERSIBLE PROPRIOSPINAL MYOCLONUS DUE TO VENTRAL THORACIC DISC HERNIATION; LONG-TERM FOLLOW-UP**
Wooyoung Jang, J.Y. Ahn, J. Kim, H.-T. Kim, *Republic of Korea*
- 179 **CLINICAL AND MOLECULAR STUDIES IN PATIENTS WITH PAROXYSMAL KINESIGENIC DYSKINESIA**
Anneke Maat-Kievit, G. Breedveld, R. van Vliet, J. de Rijk-van Anandel, V. Bonifati, *The Netherlands*
- 180 **PUNDING IN HUNTINGTON DISEASE**
Miriam Batule Dominguez, *Cuba*
- 181 **A CASE OF MISTAKEN IDENTITY: JUVENILE MYOCLONIC SEIZURES MANIFESTING AS A TIC DISORDER**
Okeanis E Vaou, A. DePold Hohler, *USA*
- 182 **TRACE ALTERNANS AS AN INDICATOR OF AUTONOMIC DYSFUNCTION IN A HUNTINGTON DISEASE PATIENT**
O.E. Vaou, S. Frank, Anna DePold Hohler, *USA*
- 183 **A NOVEL SIGN TO DIFFERENTIATE NEUROACANTHOCYTOSIS FROM OTHER CAUSES OF ORO-LINGUAL DYSKINESIAS: CASE SERIES**
Mostafa Awadh, *Egypt*
- 184 **HYPERGLYCEMIC HYPEROSMOLAR STATE PRESENTING AS HYPERKINETIC MOVEMENT DISORDER - A CASE SERIE**
N. Balamurugan, Alagianambi Perumal, *India*

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**POSTER SESSION 1:
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- 185 **RARE SYMPTOMATIC HEMIFACIAL SPASM**
Fatima Zahra Boulaajaj, I. Gam, I. Slassi, M.A. Rafai, *Morocco*
- 186 **BILATERAL CHOREIC-BALLISM MOVEMENTS REVEALING NON
KETOTIC HYPERGLYCEMIA**
M.A. Rafai, R. Ibnkhribchia, **Fatima Zahra Boulaajaj**, B. El Moutawakkil,
H. El Otmani, I. Slassi, *Morocco*
- 187 **SYNERGETIC EFFECT OF INTRATHECAL BACLOFEN AND DEEP BRAIN
STIMULATION IN TREATING DYSTONIA**
Yasser Awaad, T. Rizk, *Saudi Arabia*
- 188 **DISTRIBUTION OF TORSINA IN LIVING CELLS**
Itaru Toyoshima, E. Abe, S. Kamada, K. Hasegawa, *Japan*
- 189 **SPEECH-INDUCED TORTICOLLIS: CASE REPORT**
M. Farsang, A. Takáts, **Tibor Kovács**, *Hungary*
- 190 **CERVICAL DYSTONIA PATIENT REGISTRY FOR OBSERVATION OF
ONABOTULINUMTOXINA EFFICACY (CD PROBE): INTERIM RESULTS
OF PHYSICIAN- AND PATIENT-REPORTED OUTCOMES**
Mark Stacy, J. Jankovic, P.D. Charles, C.H. Adler, M. Brin,
S. Papapetropoulos, CD PROBE Study Group, *USA*
- 191 **OPEN-LABEL TRIAL OF ZOLPIDEM FOR DYSTONIA: DIFFERENTIAL
EFFECTS AMONG SUBTYPES**
Yoshimichi Miyazaki, W. Sako, K. Asanuma, Y. Izumi, R. Kaji, *Japan*
- 192 **MANAGEMENT OF POST BELLS PALSY HEMIFACIAL SPASM WITH
BOTULINUM A TOXIN**
Nirmal Surya, *India*

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NEUROEPIDEMIOLOGY/HEALTH SERVICES**

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- 193 **KNOWLEDGE ABOUT STROKE RISK FACTORS AND WARNING SIGNS**
Yan Fris, P. Kamchatnov, *Russia*
- 194 **KONZO, A FORGOTTEN UPPER MOTOR NEURON DISEASE**
Hipólito Nzwalo, J. Cliff, *Portugal*
- 195 **NEUROLOGICAL DISEASES ASSOCIATED TO HIV/AIDS IN MEXICAN PATIENTS, EPIDEMIOLOGY AND TRENDS 1995-2009**
María Antonieta Ramírez-Crescencio, L. Velásquez, *Mexico*
- 196 **AMYOTROPHIC LATERAL SCLEROSIS AMONG AFRICANS - A REVIEW**
Pierre Marie Preux, B. Marin, I. Kacem, D. Mouhamadou, M. Boulesteix, P. Couratier, *France*
- 197 **NEUROLOGICAL DISEASES AMONG IMMIGRANTS IN BRESCIA, ITALY**
Fabrizio Rinaldi, P. Liberini, R. Rao, E. Venturelli, S. Gipponi, E. Pari, E. Sapia, A. Padovani, *Italy*
- 198 **SURVIVAL ESTIMATES FOR CUBAN PATIENTS WITH SPINOCEREBELLAR ATAXIA TYPE 2**
Luis Almaguer-Mederos, R. Aguilera-Rodríguez, Y. González-Zaldivar, D. Almaguer-Gotay, D. Cuello-Almarales, J. Laffita-Mesa, Y. Vázquez-Mojena, P. Zayas-Feria, *Cuba*
- 199 **EFFECTS OF THE GENETIC DOSE ON THE CLINICAL PHENOTYPE IN SPINOCEREBELLAR ATAXIA TYPE 2**
Luis Almaguer-Mederos, R. Aguilera-Rodríguez, Y. González-Zaldivar, D. Cuello-Almarales, D. Almaguer-Gotay, P. MacLeod, *Cuba*
- 200 **REFERRAL PATTERNS TO UK NEUROLOGISTS: PAST, PRESENT AND FUTURE**
S. Mtandabari, A. Noble, Leone Ridsdale, *UK*
- 201 **BENIGN INTRACRANIAL HYPERTENSION: A SERIES OF 79 CASES**
Seylan Diawara, H. Lamine, M. Hemama, N. Fatemi, R. Gana, M.R. El Maaqili, F. Bellakhdar, *Morocco*
- 202 **FORAMINAL SYRINGOMYELIA: A SERIES OF 30 CASES**
Seylan Diawara, K. Skounti, B.M. Hugues, R. Mahyou, F. Lakhdar, N. El Fatemi, R. Gana, M.R. Maaqili, F. Bellakhdar, *Morocco*

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NEUROEPIDEMIOLOGY/HEALTH SERVICES (contd.)**

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- 203 **NATURAL HISTORY OF AMYOTROPHIC LATERAL SCLEROSIS (ALS) IN JAPAN**
Chizuru Akimoto, M. Morita, I. Nakano, *Japan*
- 204 **MANAGEMENT AND OUTCOME OF IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS: A SINGLE EXPERIENCE CENTER**
Inas El Kacemi, I. El Kacemi, M. Hemama, R. Gana, M.R. Maaquili, F. Bellakhdar, *Morocco*
- 205 **EPIDEMIOLOGICAL STUDY OF PSYCHIATRIC DISORDERS IN THE REGION OF GHARB CHERARDA BENI HSEN, MOROCCO: CASE OF MAJOR DEPRESSION**
Rim Bousalham, A. Mesfioui, *Morocco*
- 206 **THE BURDEN OF NEUROLOGICAL DISEASES IN GHANA- 5 YEAR REVIEW OF CASES SEEN AT THE KORLE BU TEACHING HOSPITAL**
Patrick Adjei, A. Akpalu, K. Nkromah, X. Song, P.K. Nyame, *Ghana*

OTHERS

- 207 **VAGAL RESPONSE TO THE DEEP BREATHING TEST AT YOUNG FOOTBALLERS**
S. Aboudrar, H. Rkain, L. Errguig, Y. Radjab, L. Oukerraj, M. Azzaoui, L. Coghlan, M. Cherti, **Halima Benjelloun**, T. Dakka, *Morocco*
- 208 **HOMOCYSTEINE EFFECT ON COGNITIVE FUNCTION AND DEPRESSION IN PATIENTS WITH EPILEPSY TREATED WITH CARBAMIZEPINE OR VALPROIC ACID**
Anna Bochynska, M. Gugała-Iwaniuk, W. Lipczynska-Lojkowska, W. Lechowicz, M. Restel, A. Graban, B. Lipska, D. Ryglewicz, *Poland*
- 209 **MUTATIONAL ANALYSIS OF *PMP22*, *MPZ*, *CX32* (GJB1), *MFN2*, *GDAP1*, *HSP27*, *EGR2*, AND *NEFL* FROM KOREAN CHARCOT-MARIE-TOOTH PATIENTS**
Kee Park, B.-O. Choi, K.-G. Choi, *Republic of Korea*

**POSTER SESSION 2:
CEREBROVASCULAR DISEASE (STROKE AND NEUROSONOLOGY)**

Poster No

- 1 **CLINICAL PRESENTATION, RISK FACTOR PROFILE, PROGNOSTIC FACTORS AND OUTCOME OF 108 CASES OF NON PUERPERAL CEREBRAL VENOUS SINUS THROMBOSIS**
Rahul Kumar, P.V. Meenakshi, S. Shah, M. Vivekananda, P. Shetty, P.T. Acharya, R. Srinivasa, *India*
- 2 **STROKE PRESENTATION AND OUTCOME IN BENIN, NIGERIA: LESSONS FROM A TERTIARY HEALTH CARE FACILITY STROKE REGISTRY**
O.A. Ogunrin, E. Obehigie, **Yahaya Olugbo Obiabo**, *Nigeria*
- 3 **ASSOCIATION OF THE METHYLENETETRAHYDROFOLATE REDUCTASE GENE POLYMORPHISM WITH CAROTID INTIMA-MEDIA THICKNESS IN PATIENTS WITH CEREBRAL INFARCTIONS**
Nikolay Dimitrov Dimitrov, A. Savov, E.V. Todorova-Dimitrova, I. Velcheva, *Bulgaria*
- 4 **CARDIO EMBOLIC STROKE CAUSED BY LEFT ATRIUM MYXOMA, CASE REPORT**
Endrit Shehu, M. Metalla, J. Kruja, A. Kacani, M. Alimehmeti, *Albania*
- 5 **PREVALENCE OF DYSLIPIDAEMIA AND OTHER RISK FACTORS OF CARDIOVASCULAR DISEASE IN PATIENTS AFTER ISCHEMIC STROKE IN WESTERN UKRAINE**
Nataliya Sydor, A. Yagensky, O. Shulga, *Ukraine*
- 6 **NERVOUS SYSTEM MALFORMATIONS IN SETIF WILAYA (ALGERIA), INCIDENCE AND SURVIVAL DATA**
Slimane Laouamri, H. Boukharrouba, H. Moussaoui, S. Aissi, H. Hassoul, B. Bioud, S. Bouabdallah, L.S. Touabti, *Algeria*
- 7 **SERUM LIPIDS IN PATIENTS WITH STROKE - A CROSS SECTIONAL CASE-CONTROL STUDY**
O.A. Ogunrin, **Yahaya O Obiabo**, E.I. Unuigbo, *Nigeria*
- 8 **ASSOCIATION BETWEEN SERUM ALBUMIN AND NIHSS SCORE IN PATIENTS WITH ACUTE ISCHEMIC STROKE**
Daisuke Kuzume, I. Miyano, M. Yamasaki, T. Yasuda, N. Hamashige, *Japan*
- 9 **EPIDEMIOLOGY OF STROKE IN PATIENTS WITH RHEUMATIC HEART DISEASE: A SYSTEMATIC REVIEW**
Deren Wang, S. Lin, Z. Hao, W. Tao, M. Liu, *China*

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**POSTER SESSION 2:
CEREBROVASCULAR DISEASE (STROKE AND NEUROSONOLOGY) (contd.)**

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- 10 **THE VERY OLD PATIENTS WITH ISCHEMIC STROKE: RISK FACTORS, SUBTYPES, AND MAGNETIC RESONANCE FINDINGS. A SINGLE CENTER STUDY**
Jong-Ho Park, Republic of Korea
- 11 **RISK FACTORS FOR STROKE IN A NIGERIAN TERTIARY HOSPITAL**
Bertha Chioma Ekeh, Nigeria
- 12 **PREDICTORS OF STROKE MORTALITY IN A NIGERIAN TEACHING HOSPITAL**
Bertha Ekeh, Nigeria
- 13 **STUDY OF 428 PATIENTS OF CEREBRAL SINUS VENOUS THROMBOSIS FROM VENOUS STROKE REGISTRY, HYDERABAD (INDIA)**
Subhash Kaul, D. Narayan, R. Shankar, V.S. Bandaru, K.R. Mridula, T. Suryaprabha, S. Jabeen, S. Alladi, A. Meena, R. Borgohain, India
- 14 **STROKE IN SAUDIA ARABIA: RISK FACTORS AND STROKE SUBTYPES, A HOSPITAL BASED STUDY**
Aiman A.M. Hamad, D. Almalki, F. Alsenani, Saudi Arabia
- 15 **KNOWLEDGE OF STROKE, STROKE WARNING SYMPTOMS, STROKE RISK FACTORS, ANTIPLATELET THERAPY AND STROKE-UNITS AMONGST GENERAL PRACTITIONERS IN SRI LANKA**
Thashi Chang, S. Ibrahim, C. Arambepola, Sri Lanka
- 16 **CHANGE IN TIA INCIDENCE AND 7-DAY STROKE OCCURRENCE IN PORTUGAL, FROM 1999 TO 2010: PRELIMINARY RESULTS**
R. Magalhães, C. Branco, J.P. Gabriel, M. Freijo, C. Monteiro, J. Damásio, A. Costa, M.C. Silva, Manuel Correia, Portugal
- 17 **INCIDENCE OF INTRACEREBRAL HEMORRHAGE IN CHILE - A NATIONAL HOSPITALIZED DATABASE ANALYSIS FROM 2003 TO 2007**
Violeta Diaz, J. Antinao, C. Parra, D. Carcamo, V. Olavarria, P. Lavados, Chile
- 18 **EARLY CONSCIOUS DISTURBANCE IN ACUTE ISCHEMIC STROKE: INCIDENCE, RISK FACTORS AND OUTCOME**
Jie Li, W.D. Tao, W. Dong, J. Zhang, M. Liu, China

**POSTER SESSION 2:
CEREBROVASCULAR DISEASE (STROKE AND NEUROSONOLOGY) (contd.)**

Poster No

- 19 **THE CLINICAL MANIFESTATIONS OF POSTERIOR CIRCULATION INFARCTION COMPARED WITH ANTERIOR CIRCULATION INFARCTION**
Wen Dan Tao, D.R. Wang, J. Li, Z.L. Hao, M. Liu, *China*
- 20 **SEVERE VIPERIN ENVENOMATION: AN UNUSUAL MECHANISM OF ACUTE ISCHEMIC STROKE**
Houssam Rebahi, T. Abouelhassan, H. Nejmi, M.-A. Samkaoui, *Morocco*
- 21 **EVALUATION OF MANAGEMENT OF STROKE IN MALI**
Mohamed Albakaye, Y. Maiga, N. Adali, N. Kissani, *Morocco, Mali*
- 22 **EPIDEMIOLOGICAL AND CLINICAL CHARACTERISTICS OF STROKE IN CAMEROON: AN HOSPITAL BASED STUDY AT DOUALA LAQUINTINIE HOSPITAL**
Callixte Kuate Tegueu, J. Doumbe, G. Noubbissi Dada, *Cameroon*
- 23 **CLINICAL ASPECTS, RISKFACTORS OF STROKE**
Sami Ould mohamedlemine, K. Touré, E.H.M. Ba, A.B. Sy, N.S. Diagne, A.G. Diop, M. Diagne, M.M. Ndiaye, *Senegal*
- 24 **ISCHEMIC STROKE AND ABNORMAL MOVEMENTS**
Aicha Zaam, O. El Ouali, M. Loukili, Z. Souirti, M.F. Belahsen, O. Messouak, *Morocco*
- 25 **SURVIVAL IN A POPULATION OF NON-COMATOUS PATIENTS ADMITTED AT THE DEPARTMENT OF NEUROLOGY. FANN TEACHING HOSPITAL, DAKAR-SENEGAL**
Kamadore Toure, S.B. Hanne, A. Basse, A. Sow, N.F. Ndoye, L.B. Seck, M. Ndiaye, A.G. Diop, M.M. Ndiaye, *Senegal*
- 26 **STROKE IN WOMEN**
Ahmad Hamad, A. Hussein, S. Ibrahim, A. Sidig, F. Yasin, A.B. Mohamad, O. Gadour, O. Aladil, M. Saad, M.M. Aldar, E.M. Ahmad, *Sudan*
- 27 **CEREBROVASCULAR DISEASES IN YOUTH**
Amadou Gallo Diop, M. Fall, H.O. Sidibe, *Senegal*
- 28 **STROKE IN WOMEN (SUDANESE EXPERIENCE)**
A. Hussein, S. Ibrahim, Amira Sidig, F. Yasin, O. Aladil, M. Saad, A. Hamad, M. Malk Aldar, *Sudan*

**POSTER SESSION 2:
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- 29 **FACTORS ASSOCIATED WITH REGULAR CLINIC VISIT AMONG PATIENTS WITH STROKE**
T.H. Park, D.I. Chang, **Min Ky Kim**, *Republic of Korea*
- 30 **PREVALENCE OF STROKE RISK FACTORS AMONG URBAN CAMEROONIAN POPULATION IN DOUALA, CAMEROON**
Yacouba Njankou Mapoure, H.N. Luma, V. Sini, F. Yepnjo, H.N. Mbatchou, J. Doumbe, S. Mbahe, B. Tchaleu, E. Mbong, A.K. Njamnshi, *Cameroon*
- 31 **ISCHEMIC STROKE WITH ET AND ABUSE AAS**
Igor Cupkovic, D. Cerimagic, *Croatia*
- 32 **THE COGNITIVE IMPAIRMENTS DURING STROKE IN NEUROLOGY DEPARTMENT OF UNIVERSITY HOSPITAL YALGADO OUÉDRAOGO**
Anselme Dabilgou, C. Napon, M. Ouedraogo, O. Guira, R. Cisse, K. Karfo, B. Kabore, *Burkina Faso*
- 33 **VARIATIONS OF CIRCLES WILLIS RELATED WITH HYPOPLASIA POSTERIOR COMMUNICATING ARTERY AND ISCHEMIC STROKE**
Edlira Harizi, *Albania*
- 34 **ROLE OF REGISTRY FOR ASSESSMENT OF PREHOSPITAL AID TO THE STROKE PATIENTS**
V.A. Yavorskaya, V.G. Marchenko, V.V. Khvisyuk, A.V. Grebenyuk, **Iuliia Viktorivna Pershyna**, *Ukraine*
- 35 **BILATERAL PARAMEDIAN THALAMIC INFARCTION BY OCCLUSION OF THE ARTERY OF PERCHERON REVEALING A NEUROBEHÇET**
Mohamed Albakaye, N. Adali, N. Kissani, *Morocco*
- 36 **COMPARATIVE STUDY OF THE CHANGING CLINICAL PROFILE OF PATIENT'S STROKE IN 10 YEARS**
Slim Smaoui, M. Dammak, M. Turki, E. Turki, A. Boukhris, M.I. Miledi, I. Feki, C. Mhiri, *Tunisia*
- 37 **NICOTINE INTAKE AND YOUNGEST AGE-RELATED ISCHEMIC STROKE**
Anna Szerej, J. Kurzepa, E. Wlizlo, J. Wojczal, J. Bielewicz, Z. Stelmasiak, *Poland*
- 38 **CADASIL: MUTATIONAL STUDIES IN THE PORTUGUESE POPULATION**
Susana Ferreira, P. Costa, L. Rocha, J. Pinto, M. Venâncio, V. Glória, G. Fernandes, M. Viana-Baptista, J.P. Oliveira, *Portugal*

**POSTER SESSION 2:
CEREBROVASCULAR DISEASE (STROKE AND NEUROSONOLOGY) (contd.)**

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- 39 **STROKE IN SUB-SAHARAN AFRICA**
Myles Connor, *UK, South Africa*
- 40 **THE ANTERIOR SPINAL ARTERY INFARCT: THREE CASES**
Wafa Bouchhab, W. Bnouhanna, S. Aidi, S. Bellamine, A. Brini, M. Rahmani, M. Benabdeljilil, M. El Alaoui Faris, *Morocco*
- 41 **METABOLIC SYNDROME IN POLISH ISCHAEMIC STROKE PATIENTS**
Waldemar Broła, M. Fudala, J. Opara, J. Czernecki, *Poland*
- 42 **THE EPIDEMIOLOGY OF STROKE IN THE THE REGION OF MONASTIR (TUNISIA)**
Amel Boughammoura, *Tunisia*
- 43 **SOCIO ECONOMIC STATUS AND THE RISK OF STROKE IN MOROCCO**
Soufiane Bellamine, B. Quentin, E. Thomas, M. Audibert, F. Mourji, M. El Alaoui Faris, Stroke MRCG Study Group, *Morocco*
- 44 **ARTERIAL TERRITORIES IN ISCHEMIC STROKE IN LOME UNIVERSITY TEACHING HOSPITAL, TOGO**
Silvère Kevi, A.L. Balogou, K.S. Assogba, S. Amegnidou, K.M. Apeste, R. Barry-Barque, J.M. Allasene, P.G. Waklatsi, K.V. Kumako, K.M. Guinhouya, D. Kombate, M.T. Belo, E.K. Grunitzky, *Togo*
- 45 **EPIDEMIOLOGY OF STROKE IN THE DISTRICT OF COLOMBO, SRI LANKA: A COMMUNITY-BASED STUDY**
Thashi Chang, S. Gajasinghe, C. Arambepola, *Sri Lanka*
- 46 **PREVALENCE OF STROKES RISKS'FACTORS IN GENERAL POPULATION IN COTONOU (BENIN)**
Mendinatou Agbetou, R. Azankpa, K. Toure, D. Houinato, G. Diop, D. Gnonlonfoun, C. Adjien, *Benin*
- 47 **PUBLIC AWARENESS OF STROKE, ITS WARNING SYMPTOMS, RISK FACTORS AND TREATMENT IN SRI LANKA**
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- 75 **INFLUENCE OF VASCULAR RISK FACTORS ON THE CAROTID ATHEROSCLEROSIS**
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- 77 **PERSISTENCE OF HYPERDENSE MCA SIGN IS ASSOCIATED WITH POOR OUTCOME IN ISCHEMIC STROKE PATIENTS TREATED WITH INTRAVENOUS THROMBOLYSIS**
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- 79 **VALIDITY OF ASPECTS: CAN YOUNG DOCTOR INTERPRET EARLY CT SIGN CORRECTLY?**
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- 80 **TIME INTERVAL BETWEEN SYMPTOMS ONSET AND BRAIN CT SCANNING IN STROKE PATIENTS: PRELIMINARY RESULTS**
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- 85 **PROGNOSTIC VALUE OF FLAIR MRI IN ACUTE CEREBRAL ARTERY OCCLUSION TREATED WITH COMBINED THROMBOLYSIS**
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- 86 **NORMAL 0 USEFULNESS OF CT ANGIOGRAPHY FOR THERAPEUTIC DECISION MAKING IN THROMBOLYZING DIFFICULT TO ASSESS PATIENTS WITH BASILAR ARTERY THROMBOSIS**
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- 87 **POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME (P R E S) INA CHILD WITH POST STREPTOCOCCIQUE NEPHRITIQUE SYNDROME**
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- 88 **INFARCTION OF THE SPLENIUM OF THE CORPUS CALLOSUM: CLINICAL IMPLICATION OF MAGNETIC RESONANCE IMAGING**
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- 90 **REVERSIBLE CEREBRAL VASOCONSTRICTION SYNDROME OR ACUTE REVERSIBLE CEREBRAL ANGIOPATHY: CASE REPORT**
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- 94 **TREATED MICROALBUMINURIA DOES NOT HAVE TO BE A PREDICTOR OF STROKE IN DIABETIC PATIENTS**
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- 95 **NEUROPROTECTIVE EFFECTS OF A MITOCHONDRIAL K⁺-ATP CHANNEL OPENER (DIAZOXIDE) ARE MEDIATED BY BCL-2 EXPRESSION UPREGULATION**
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- 96 **RELATIONSHIP BETWEEN PLASMA METALLOPROTEINASE-9 LEVELS AND VOLUME AND SEVERITY OF INFARCT IN PATIENTS WITH ACUTE ISCHEMIC STROKE**
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- 98 **PATENT FORAMEN OVALE PERCUTANEOUS CLOSURE IN PATIENTS WITH CRYPTOGENIC ISCHEMIC EVENTS: THE DATA OF THE TURIN MOLINETTE HOSPITAL REGISTRY**
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- 103 **CORRELATION OF SYSTOLIC BLOOD PRESSURE AND ARTERIAL STIFFNESS IN MEN AND WOMEN**
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- 104 **DIETARY PATTERNS IN STROKE PATIENTS IN NORTHWEST INDIA**
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- 106 **THE PROGNOSIS OF DISTANT RESULTS AND THE ANALYSIS OF FACTORS WHICH ARE INFLUENCING ON THE RESULTS OF CAROTID ENDARTERECTOMY**
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- 107 **STRESS AS A PSYCHO-PHYSICAL RISK FACTOR FOR ICTUS**
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- 110 **CEREBRAL STROKE AND SECONDARY PREVENTION. DIFFERENT EFFECT OF BP LOWERING DRUGS IN POSTSTROKE HYPERTENSIVE PATIENTS COMPARING TO HYPERTONICS. WHY?**
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- 111 **"TOP OF THE BASILAR" SYNDROME-CORRELATION BETWEEN CLINICAL PRESENTATION AND EARLY PROGNOSIS**
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- 112 **ISCHEMIC STROKE FOLLOWING INVASIVE DENTAL PROCEDURES: STUDY OF FOUR CASES**
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- 113 **INTERMEDIATE-TERM OUTCOME OF INTRACRANIAL SELF-EXPANDABLE STENTING UNDER A STANDARDIZED RISK FACTOR CONTROL**
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- 114 **A STUDY OF THE ITINERARY OF A STROKE PATIENT IN MALI (WEST AFRICA)**
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- 115 **FACTORS INVOLVED IN THE OUTCOME OF ISCHEMIC STROKE AMONG ASIAN POPULATION: A CHINESE STUDY**
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- 119 **RELUCTANCE TO ANTICOAGULATION IN ISCHAEMIC STROKE WITH ATRIAL FIBRILLATION-WHY SO?**
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- 120 **IMPACT OF TABACCO IN STROKE: A PROSPECTIVE STUDY ABOUT 109 CASES IN NEUROLOGICAL UNIT IN DAKAR**
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- 121 **PROFILE OF PUERIPARTUM STROKES OBSERVED IN NEUROLOGY**
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- 122 **EMERGENCY THERAPEUTIC APPROACH AS A SECONDARY PREVENTION OF AN ACUTE ISCHEMIC STROKE IN PATIENTS WITH TIA**
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- 123 **INTIMA-MEDIA THICKNESS IN PATIENTS WITH TIA: CLINICAL FEATURES AND STROKE RISK FOR PATIENTS WITH DIFFERENT TIA PATHOLOGICAL SUBTYPES**
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- 124 **SNEDDON SYNDROME: A YOUNG'S STROKE TO IDENTIFY!**
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T. Maisuradze, N. Akiashvili, S. Kapanidze, N. Kvirkvelia, *Georgia*
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- 127 **NEUROPROTECTION IN ACUTE ISCHEMIC STROKE DEPENDING ON ITS PATHOGENETIC SUBTYPES**
Khurshidakhon Rasulova, *Uzbekistan*
- 128 **THE IMPACT OF "ADMIT NO BED" AND LONG BOARDING TIMES IN THE EMERGENCY DEPARTMENT ON STROKE OUTCOME**
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G. Mohammed, *Saudi Arabia*
- 129 **PRE-HOSPITAL ITINERARY OF PATIENTS ADMITTED FOR STROKE IN NEUROLOGICAL DEPARTMENT OF FANN TEACHING HOSPITAL IN DAKAR**
Maouly Fall, *Senegal*
- 130 **THE OBSERVATION OF THE EFFICACY OF THE COMPREHENSIVE PROTOCOL OF INTEGRATED CHINESE AND WESTERN MEDICINE IN ACUTE ISCHEMIC STROKE PATIENTS**
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- 131 **INTRAVENOUS THROMBOLYSIS FOR ISCHEMIC STROKE IN UNIVERSITY HOSPITAL OF FEZ, MOROCCO (REPORT OF 24 CASES)**
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- 133 **THE CHINESE MEDICINE NEUROAID (MLC601, MLC901) INDUCES POTENT NEUROPROTECTIVE AND NEUROPROLIFERATIVE EFFECTS IN CEREBRAL ISCHEMIA IN RODENT**
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- 134 **THE EFFECT OF NEUROAID ON CEREBRAL BLOOD FLOW VELOCITY IN SUBJECTS´ POST BRAIN INFARCT IN THE MIDDLE CEREBRAL ARTERY TERRITORY**
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- 135 **THE REASONS OF DELAYED DOOR TO NEEDLE TIME FOR ACUTE STROKE PATIENTS UNDERGOING INTRAVENOUS THROMBOLYSIS**
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- 136 **DEVELOPMENT OF MID-FREQUENCY TRANSCRANIAL THROMBOLYSIS METHOD WITH SOFT THIN ULTRASONIC TRANSDUCER**
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- 137 **EXTENDING THERAPEUTIC WINDOW FOR INTRAVENOUS THROMBOLYSIS TO 4.5 HOURS REMAINS SAFE AND EFFECTIVE IN ASIAN ACUTE ISCHEMIC STROKE PATIENTS**
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- 138 **DOUBLE-BLIND, PLACEBO CONTROLLED, RANDOMIZED, MULTICENTER STUDY TO INVESTIGATE CHINESE MEDICINE NEUROAID™ EFFICACY ON STROKE RECOVERY (CHIMES STUDY)**
C. Chen, **David Picard**, *Singapore*
- 139 **DELIRUM OCCURENCE DURING THE ACUTE PHASE OF STROKE**
Ivana I. Berisavac, V. Padjen, O. Savic, D. Jovanovic, L. Beslac Bumbasirevic, *Serbia*

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Mouhamadou Diagana, I. Ould Abdel Hamid, A. Ould Sidy Aly, *Mauritania*
- 141 **THE COCHRANE SYSTEMATIC REVIEW OF CALCIUM ANTAGONISTS FOR ACUTE ISCHEMIC STROKE**
Jing Zhang, J. Yang, M. Liu, C.-F. Zhang, *China*
- 142 **USE OF THE EMERGENCY MEDICAL SERVICE INCREASES THE PROBABILITY OF UNDERGOING THROMBOLYTIC THERAPY IN THE PATIENTS WITH ACUTE ISCHEMIC STROKE**
Dae Hyun Kim, J.K. Kim, S.-H. Choi, *Republic of Korea*
- 143 **ASYMMETRIC INTERNAL CEREBRAL VEINS IS ASSOCIATED WITH POOR OUTCOME IN ANTERIOR CIRCULATION ISCHEMIC STROKE PATIENTS TREATED WITH INTRAVENOUS THROMBOLYSIS**
Leong Litt Leonard Yeo, A. Ahmad, L. Shen, M. Maliapen, E. Tan, A.K. Sinha, P.K. Loh, W.P. Kay Ng, H.L. Teoh, L.Y. Wong, J. Su, K.C.B. Ong, N. Venketasubramanian, P.L.B. Chan, V.K. Sharma, V.F. Chong, *Singapore*
- 144 **INTRAVENOUS THROMBOLYSIS WITH RT-PA IN STROKE: EXPERIENCE OF THE SAINTE ANNE TEACHING MILITARY HOSPITAL OF TOULON**
A. Faivre, Delphine Wybrecht, M. Aletti, T. Lafolie, A. Dagain, A.-M. Grapperon, N. Desse, P. Bounolleau, P. Alla, *France*
- 145 **FREQUENCY OF EPILEPTIC SEIZURE IN TOTAL ACUTE CEREBROVASCULAR DISEASE ISCHEMIC STROKE PATIENTS AND HEMORAGIC STROKE PATIENTS AND THEIR FREQUENT RELATION**
Nevena J Milovanovic-Kovacevic, N.L. Zaric, M. Savic, *Serbia*
- 146 **CITICOLINE IN PATIENTS WITH ACUTE ISCHEMIC STROKE**
V.A. Yavorskaya, Iuliia Viktorivna Pershyna, O.B. Bondar, T.K. Mikhaelien, S.A. Krivchun, *Ukraine*
- 147 **COST OF STROKE**
Vinyo Kodzo Kumako, M. Belo, K.M. Guinhouya, E.K. Grunitzky, *Togo*
- 148 **STROKE IN YOUNG AND FORAMEN OVALE (PFO) ABOUT THREE CASES**
Adnane Semlali, H. Jouhari, Y. Hssaini, A. Bourreaza, *Morocco*

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- 149 **THROMBOASPIRATION WITH THE PENUMBRA SYSTEM IN ACUTE ISCHEMIC STROKE: A SINGLE-CENTRE EXPERIENCE**
Fabrizio Sallustio, G. Koch, S. Di Legge, C. Rossi, B. Rizzato, S. Napolitano, D. Samà, A. Giordano, D. Tropepi, C. Del Giudice, E. Pampana, M. Stefanini, G. Simonetti, P. Stanzione, R. Gandini, *Italy*
- 150 **VITAL AND FONCTIONNEL PROGNOSIS AFTER ISCHEMIC STROKE IN TUNISIAN**
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- 151 **RELATIONSHIP BETWEEN SERUM ALBUMIN LEVEL AND ISCHEMIC STROKE PROGNOSIS**
A. Boughammoura, **Mahbouba Frih-Ayed**, N. Mokni, S. Younes, M. Frih-Ayed, *Tunisia*
- 152 **INTRAVENOUS THROMBOLYSIS FOR ACUTE ISCHEMIC STROKE IN ASIA: A META-ANALYSIS**
Jingshan Ho, L.L. Yeo, P.R. Paliwal, K.W. Ng, A. Ahmad, B. Ong, N. Venketasubramanian, R. Seet, H.L. Teoh, B.P. Chan, V.K. Sharma, *Singapore*
- 153 **LOW ESTIMATED GLOMERULAR FILTRATION RATE AND RISK OF HEMORRHAGIC TRANSFORMATION AFTER ACUTE ISCHEMIC STROKE**
Man Seok Park, J.T. Kim, S.M. Choi, S.H. Lee, M.K. Kim, B.C. Kim, K.H. Cho, *Republic of Korea*
- 154 **PROGNOSIS COMPARISON OF INTRA-ARTERIAL THROMBOLYSIS 6HOURS BEFORE AND AFTER ONSET TIME**
Ok Joon Kim, S.Y. Park, M.W. Kim, *Republic of Korea*
- 155 **ASSOCIATION BETWEEN HEMORRHAGIC TRANSFORMATION AND BLOOD PRESSURE PROFILES BEFORE AND AFTER INTRAVENOUS TISSUE PLASMINOGEN ACTIVATOR IN THE HYPERACUTE ISCHEMIC STROKE**
Soo Joo Lee, S.-Y. Choi, Y. Ko, *Republic of Korea*
- 156 **PIRACETAM EFFECTIVENESS IN POST STROKE APHASIA**
Mohamed Chraa, Y. Mebrouk, N. Kissani, *Morocco*

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- 157 **INTRAVENOUS THROMBOLYSIS IN STROKE PATIENTS DUE TO ATRIAL FIBRILLATION - A SERBIAN EXPERIENCE WITH THROMBOLYSIS IN ISCHEMIC STROKE (SETIS) STUDY**
Dejana Jovanovic, V. Bogosavljevic, M. Zarkov, L. Beslac-Bumbasirevic, N. Vukasinovic, M. Budimkic, P. Stanarcevic, M. Zivkovic, S. Djokovic, for the SETIS Group, *Serbia*
- 158 **CEREBRAL THROMBOPHLEBITIS REVEALING CELIAC DISEASE**
Mourad Zouari, D. Mehnaoui, I. Bedoui, G. Fessi, *Tunisia*
- 159 **PIROXICAM MODULATES LIPID PEROXIDATION, POTENTIATES ANTIOXIDANT REDOX SYSTEM, AMELIORATES BEHAVIORAL OUTCOME AND ELECTRICAL ACTIVITY OF BRAIN IN FOCAL CEREBRAL ISCHEMIA**
Pallab Bhattacharya, A.K. Pandey, S. Paul, R. Patnaik, *India*
- 160 **ENDOVASCULAR TREATMENT OF CEREBRAL VENOUS SINUS THROMBOSIS USING PENUMBRA SYSTEM: A CASE REPORT**
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- 161 **SURGICAL MANAGEMENT OF PATIENTS WITH INTRACEREBRAL HEMORRHAGE AS A RESULT OF ANEURYSM RUPTURE**
Jamshid Kuzibayev, *Uzbekistan*
- 162 **SURGICAL MANAGEMENT OF PATIENTS WITH INTRACEREBRAL HEMORRHAGE ASSOCIATED WITH ARTERIOVENOUS MALFORMATION**
Jamshid Kuzibayev, *Uzbekistan*
- 163 **ANEURYSM OF THE DISTAL POSTERIOR INFERIOR CEREBELLAR ARTERY: A CASE REPORT**
Rogie Marie Aballa Ignacio, P. Noble, P.R. Banico, *Philippines*
- 164 **FREE AMINO ACIDS CONCENTRATIONS IN INTRACEREBRAL HAEMORRHAGE VS. BRAIN ISCHEMIA**
Khurshidakhon Rasulova, *Uzbekistan*
- 165 **INFLUENCE OF GENDER ON PERIHEMORRHAGIC EDEMA EVOLUTION AFTER SPONTANEOUS INTRACEREBRAL HEMORRHAGE**
Ingrid Wagner, B. Volbers, S. Kloska, A. Dörfler, S. Schwab, D. Staykov, *Germany*

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Ambihai Sivalingam, C. Hoe Chin, Singapore
- 167 **ARUBA - A RANDOMISED TRIAL OF UNRUPTURED BRAIN AVMS**
Christian Stapf, A.J. Moskowitz, M.K. Parides, E. Moquete, C.S. Moy, E. Vicaut, for the ARUBA Investigators, France
- 168 **HOW TO IMPROVE SURGICAL RESULTS OF UN-RUPTURED CEREBRAL ANEURYSMS**
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- 169 **HYPERTENSIVE INTRA-CEREBRAL HEMORRHAGE: A COHORT STUDY IN TUNISIA**
Imen Bekri, E. Hentati, F. Nabli, S. Ben Sassi, F. Hentati, Tunisia
- 170 **INTRA-CEREBRAL HEMORRHAGE IN YOUNG TUNISIAN PEOPLE**
Imen Bekri, F. Nabli, E. Hentati, S. Ben Sassi, F. Hentati, Tunisia
- 171 **NATURAL HISTORY OF INTRACEREBRAL HEAMORRHAGE (ICH) IN WESTERN CHINA: A MULTI-CENTER, HOSPITAL REGISTRY STUDY**
Wei Dong, J. Li, Q. Li, H.-Q. Zhou, X.-Q. Jiang, H.-L. Yang, B. B. W.-K. Liu, H. Li, C. You, M. Liu, The Western China ICH Registry Group, China
- 172 **AN ASSOCIATION STUDY OF MMP9 GENE'S SINGLE NUCLEOTIDE POLYMORPHISMS (SNPS) OR HAPLOTYPES WITH THE OUTCOME OF INTRACEREBRAL HEMORRHAGE (ICH)**
Jie Yang, S. Lin, B. Wu, M. Liu, China
- 173 **COINCIDENCE OF SYNDROME AND FAHR'S DISEASE WITH INTRACEREBRAL HEMORRHAGE - TWO CASES REPORT**
Nawel Boutarene, H.E. Boumeddiene, S. Kesraoui, M. Arezki, Algeria
- 174 **MATRIX METALLOPROTEINASES AND THEIR TISSUE INHIBITORS ARE ASSOCIATED WITH CEREBRAL VASOSPASM AFTER ANEURYSMAL SUBARACHNOID HEMORRHAGE**
Marlene Fischer, R. Beer, A. Dietmann, G. Broessner, R. Helbok, B. Pfausler, E. Schmutzhard, P. Lackner, Austria

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- 176 **INTERNAL ARTERY DISSECTION WITH DISSECTING ANEURYSM AND SUBARACHNOID HAEMORRHAGE - A TREATMENT CHALLENGE**
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- 177 **MOYAMOYA DISEASE REVEALED BY CEREBRAL HEMORRHAGE: FOUR MOROCCAN CASES**
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- 178 **RENDU OSLER WEBER DISEASE WITH CEREBRAL HEMORRHAGE**
Amel Boughammoura, N. Mokni, M. Aissi, A. Boughammoura, M. Frih-Ayed, *Tunisia*
- 179 **A PROSPECTIVE STUDY OF IN-HOSPITAL MORTALITY AND OUTCOME AT DISCHARGE IN SPONTANEOUS INTRACRANIAL HEMORRHAGE**
Rohit Bhatia, H.O. Singh, M.V. Padma, K. Prasad, M. Tripathi, M.B. Singh, *India*
- 180 **NATIONAL INSTITUTE OF HEALTH STROKE SCALE (NIHSS) FOR HAEMORRHAGIC STROKE PATIENTS?**
Clara Dawodu, A. Olaniyan, *Nigeria*
- 181 **USING OF ORIGINAL COMPUTED PROGRAMS FOR REHABILITATION OF POSTSTROKE COGNITIVE IMPAIRMENTS**
S. Prokopenko, Elena Mozheyko, T. Koryagina, A. Bezdenezhnik, I. Shvetzova, D. Kaskayeva, T. Chernyh, *Russia*
- 182 **ROBOTIC THERAPY OF THE PARETIC UPPER LIMB OF POST-STROKE PATIENTS: A RANDOMIZED TRIAL STUDY**
Mario Armani, G. Rosati, G. Ferlini, A. Chiasera, D. Orrico, C. Ferraro, G. Moretto, F. Chioffi, S. Masiero, *Italy*
- 183 **THE EFFECT OF VISUAL SCANNING EXERCISES INTEGRATED INTO TASK-SPECIFIC ACTIVITIES ON THE FUNCTIONAL ABILITY IN PATIENTS POST STROKE**
Andoret Van Wyk, C.A. Eksteen, *South Africa*

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Reza Bavarsad Shahripour, *Iran*
- 185 **THE PROGNOSTIC VALUE OF SERUM CALCIUM LEVEL IN ISCHEMIC STROKE**
Soo-Kyung Bok, H.-J. Song, Y.J. Lee, S.J. Lee, G.C. Kim, *Republic of Korea*
- 186 **COGNITIVE IMPAIRMENT IN PATIENTS WITH CEREBELLAR LESIONS**
Yuichi Sato, K. Nagata, *Japan*
- 187 **SEVERE TRAUMATIC BRAIN INJURY AND FACILITATED COMMUNICATION**
Marie-Aurélie Bruno, C. Schnakers, A. Vanhauzenhuyse, S. Laureys, *Belgium*
- 188 **THE EXAMINATION OF VERTICALITY ESTIMATION IN HEALTHY AND PATIENTS AFTER ACUTE ISHEMIC BRAIN ATTACK**
Stevan Jovanovic, K. Ribaric, *Serbia*
- 189 **THE QUALITY OF LIFE AFTER THE STROKE**
S. Ould mohamed lemine, D.O. Abdelkarim, **Anna Mbodji Basse**, L.B. Seck, M. Ndiaye, N.S. Diagne, M. Diagne, A.G. Diop, M.M. Ndiaye, *Senegal*
- 190 **THE CHANGES IN TYPE I AND III COLLAGEN IN THE PERIMYSIUM AND ENDOMYSIUM OF RAT SOLEUS MUSCLE AFTER EXTENDED IMMOBILIZATION**
Yuichiro Honda, Y. Kondo, S. Yokoyama, Y. Hamaue, H. Kataoka, J. Sakamoto, J. Nakano, T. Origuchi, T. Yoshimura, M. Okita, *Japan*
- 191 **MASTERING AN UNCERTAIN EVERYDAY LIFE - EXPERIENCES AS CARERS TO A PARTNER AFTER STROKE**
Gunilla Gosman-Hedstrom, S. Dahlin-Ivanoff, *Sweden*
- 192 **THE IMPACT OF CAREGIVER NUMBER AND IDENTITY ON POST-STROKE REHABILITATION EFFICIENCY AND EFFECTIVENESS AMONGST COMMUNITY HOSPITAL INPATIENTS IN SINGAPORE**
Liang En Wee, G.C.H. Koh, C. Chen, A. Cheong, N.P. Fong, K.M. Chan, B.Y. Tan, E. Menon, C.H. Ee, K.K. Lee, R. Petrella, A. Thind, D. Koh, K.S. Chia, *Singapore*

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- 193 **FETAL STEM CELLS IN POST-STROKE COGNITIVE DEFICITS**
Natalia S. Sych, M.P. Demchuk, M.O. Klunnyk, O.V. Ivankova, *Ukraine*
- 194 **RELATIONSHIP BETWEEN DIABETUS MELLITUS, UNREVEALED DIABETES, CEREBRAL VASOSPASM AND SECONDARY CEREBRAL INFARCTION IN ANEURYSMAL SUBARACHNOID HEMORRHAGE**
M. Kapanidze, M. Janelidze, A. Gvelesiani, I. Toidze, L. Bakradze, S. Kapanidze, **Nino Lobjnadze**, N. Akiashvili, T. Maisuradze, *Georgia*
- 195 **CITICOLINE (CERAXON) ADJUVANT TREATMENT IN SECONDARY ISCHEMIC DAMAGE OF SUBARACHNOID HEMORRHAGE AFTER ANEURISMAL CLIPPING**
Tea Maisuradze, M. Beridze, M. Janelidze, I. Toidze, L. Bakradze, N. Kvirkvelia, N. Akiashvili, M. Kapanidze, *Georgia*
- 196 **CORRELATION OF GLOMERULAR FILTRATION RATE AND ACUTE STROKE IN A TERTIARY HOSPITAL: A RETROSPECTIVE STUDY**
Rogie Marie Aballa Ignacio, P. Noble, *Philippines*
- 197 **RELATIONSHIP BETWEEN LEFT VENTRICULAR MASS INDEX (LVMI), WHITE MATTER HYPERINTENSIVITY (WMH) AND COGNITIVE PERFORMANCE IN HYPERTENSIVE STROKE PATIENTS**
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- 198 **CORRELATION OF CIRCLE OF WILLIS MORPHOLOGY AND WHITE MATTER LESION LOAD IN SUBJECTS OF CAROTID ARTERY STENOSIS**
Yu-Ming Chuang, *Taiwan R.O.C.*
- 199 **MULTIPLE ISCHEMIC STROKES AS THE INITIAL PRESENTATION OF A CONCEALED PANCREATIC MALIGNANCY: TROUSSEAU'S SYNDROME (CASE REPORT)**
P.C. Ines, **Vincent Paul E. De Guzman**, E.A. Esposo, J.C. Bocobo, *Philippines*
- 200 **UNILATERAL LIMB ASTERIXIS RELATED TO HYPOPERFUSION OF MIDDLE CEREBRAL ARTERY TERRITORY**
Dae Soo Shin, H.S. Han, E.M. Cho, E.S. Jung, *Republic of Korea*
- 201 **MASSIVE FATAL STROKE: A RARE COMPLICATION OF DECOMPRESSION SICKNESS SYNDROME**
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- 203 **CEREBRAL INFARCTION ASSOCIATED WITH AUTOIMMUNE
HEMOLYTIC ANEMIA**
Kwang Deog Jo, *Republic of Korea*
- 204 **MOYAMOYA DISEASE (MMD): MOVEMENT DISORDERS SERIES AND
CLINICAL SERIES TODAY**
Sabino Guillermo Echebarria Mendieta, *Spain*
- 205 **A COMPARISON OF INTRACRANIAL PATIENTS WITH EXTRACRANIAL
ATHEROSCLEROSIS AND EXTRACRANIAL ATHEROSCLEROTIC
PATIENTS IN RISK FACTORS OF STROKE**
J.K. Do, Doo Hyuk Kwon, D.K. Lee, *Republic of Korea*
- 206 **CHARACTERISTICS OF CLINICAL ASPECTS OF COGNITIVE
DISORDERS AND NEURO-PSYCHOLOGICAL STATUS OF ELDER
PATIENTS WITH STABLE CEREBROVASCULAR PROCESS**
Anastasia V. Anisimova, T.I. Kolesnikova, K.V. Anisimov, *Russia*
- 207 **PROGNOSTIC IMPORTANCE OF MORPHO-DENSITOMETRY
PARAMETERS OF ERYTHROCYTES FOR EVALUATION OF
PROGRESSION OF CEREBROVASCULAR INSUFFICIENCY**
Anastasia V Anisimova, T.I. Kolesnikova, K.V. Anisimov, E.I. Gusev, *Russia*
- 208 **ISCHEMIC STROKE INDUCED BY CHEMOTHERAPY FOR BREAST
CANCER: STUDY OF AN OBSERVATION**
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A. Benomar, M. Yahyaoui, *Morocco*
- 209 **PIOGLITAZONE DELAYS PROXIMAL TUBULE DYSFUNCTION AND
IMPROVES CEREBRAL VESSELS ENDOTHELIAL DYSFUNCTION IN
NORMOALBUMINURIC PATIENTS WITH TYPE 2 DIABETES MELLITUS**
Ligia Petrica, M. Petrica, A. Vlad, D.C. Jianu, G. Gluhovschi, C. Ianculescu,
C. Firescu, V. Dumitrascu, F. Gadalean, S. Giju, C. Gluhovschi, F. Bob,
S. Ursoniu, S. Velciov, G. Bozdog, O. Milas, R. Marian, *Romania*
- 210 **REPORT OF A KNOWN CASE OF RHEUMATOID ARTHRITIS AND
CEREBRAL VASCULITIS WITH PROPER RESPONSE TO
CORTICOSTEROID AND CYCLOPHOSPHAMIDE PULSE THERAPY**
Reza Bavarsad Shahripour, *Iran*

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Aiman A.M. Hamad, K. Siddiqui, F. Alsenani, *Saudi Arabia*
- 212 **CLINICAL PROFILE AND OUTCOME OF CEREBRAL VENOUS THROMBOSIS - A HOSPITAL BASED STUDY**
Araliatte Onkarappa Saroja, K.R. Naik, *India*
- 213 **ANEMIA AT ADMISSION IS AN INDEPENDENT PREDICTOR OF DEATH IN PATIENTS WITH ACUTE ISCHEMIC STROKE**
Zi-Long Hao, B. Wu, D.-R. Wang, S. Lin, W.-D. Tao, M. Liu, *China*
- 214 **PARAOXONASE-HDL INTERACTION AND CHOLINERGIC SIGNALING ATTENUATE ATHEROSCLEROSIS AND ARTERIOSCLEROSIS IN STROKE PATIENTS**
Shani Shenhar-Tsarfaty, N. Waiskopf, K. Ofek, L. Shopin, S. Usher, S. Berliner, I. Shapira, N. Bornstein, H. Soreq, E. Ben Assayag, *Israel*
- 215 **MAN-IN-THE-BARREL SYNDROME WITH COMBINATION OF INFARCTIONS IN THE LEFT UPPER MEDIAL MEDULLA AND BILATERAL CEREBELLUM**
Seung-Ho Choi Choi, S.H. Choi, *Republic of Korea*
- 216 **WHEN A CENTRAL LESION PRESENTS AS PERIPHERAL VERTIGO: A CASE SERIES OF NODULAR INFARCTS**
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- 217 **STROKE AWARENESS IN CAPE VERDE ISLANDS: KNOWLEDGE AND ACTION IN A POPULATION-BASED SURVEY**
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- 218 **STROKE DURING PREGNANCY**
Amina Nakicevic, N. Subasic, L. Hebib, A. Alajbegovic, E. Suljic, E. Brbovic, J. Dizdarevic, *Bosnia-Herzegovina*
- 219 **CLINICAL PRESENTATION OF INTERNAL CAROTID ARTERY DISSECTION IN SERIES OF 24 PATIENTS**
Ivana Divjak, A. Jesic, M. Jovicevic, L. Sakalas, V. Suknaja, N. Popovic, P. Slankamenac, *Serbia*

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- 221 **PREHOSPITAL DELAYS AFTER STROKE ONSET: PRELIMINARY RESULTS**
P.-C.C. Mbonda, **Dramane Baba Coulibaly**, P.-Y. Bassong, K. Toure, M.M. Ndiaye, *Senegal*
- 222 **PLASMATIC BRAIN NATRIURETIC PEPTIDE AND URINARY POLYCLONAL LIGHT CHAINS IN CEREBROVASCULAR DISEASES**
Patrizia Francesca Fiori, G. Esposito, A. Morella, L. Iurato, G. Bellizzi, C. Tammara, L.M. Giannetti, A. Monaco, *Italy*
- 223 **POST-STROKE DEPRESSION IN PATIENTS OF MARRAKESH UNIVERSITY HOSPITAL**
Imane Adali, N. Adali, F. Asri, N. Kissani, *Morocco*
- 224 **KNOWLEDGE ABOUT RISK FACTORS AND SYMPTOMS OF STROKE IN YOUNG PEOPLE IN POLAND**
B. Labuz-Roszak, **Krzystyna Pierzchala**, M. Roszak, *Poland*
- 225 **NEUROLOGICAL MANIFESTATIONS OF DURAL SINUS THROMBOSIS**
A. Hussein, A. Sidig, **Mohmad Elnagar**, *Sudan*
- 226 **LUXURY PERFUSION IN EARLY POST-STROKE PERIOD DESPITE PERSISTENT ARTERIAL OCCLUSION**
Leong Litt Leonard Yeo, A. Ahmad, P. Paliwal, H.L. Teoh, F.H. Vincent Chong, E. Tan, N. Venketasubramanian, A.K. Sinha, V.K. Sharma, *Singapore*
- 227 **SERIAL NON-INVASIVE HEMODYNAMIC AND AUTONOMIC PROFILE OF ACUTE ISCHEMIC STROKE: A STUDY WITH THORACIC ELECTRICAL BIOIMPEDANCE**
Arunodaya R Gujjar, D. Jaju, P.C. Jacob, M. Dikshit, A.R. Al-Asmi, *Oman*
- 228 **POSTERIOR REVERSIBLE ENCEPHALOPATHY AND PERIPARTUM CARDIOMYOPATHY COMPLICATING ECLAMPSIA**
Loubna El Mesnaoui, W. Regragui, M. Alhyan, E.H. Ait Ben Haddou, R. Tachinante, L. Oukerraj, A. Benomar, M. Yahyaoui, *Morocco*
- 229 **THE EFFECT OF RAMADAN FASTING ON CEREBRAL STROKE: A PROSPECTIVE HOSPITAL-BASED STUDY**
Ashraf Zaher, A. El-Metwalli, M.A.E.-S. Mohamed, I. El-Menshawy, *Egypt*

**POSTER SESSION 2:
CEREBROVASCULAR DISEASE (STROKE AND NEUROSONOLOGY) (contd.)**

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- 230 **A SERIES OF 3 PATIENTS WITH MASSIVE DOLICHOECTATIC VERTEBROBASILAR ARTERIES**
Xin Quan Tan, W.P. Goh, L.L. Leonard Yeo, W.P. Kay Ng, P. Paliwal, A. Ahmad, P.K. Loh, V.K. Sharma, *Singapore*
- 231 **CONCOMITANT PULMONARY THROMBOEMBOLISM AND ISCHEMIC STROKE AS INITIAL PRESENTATION OF HEMOGLOBIN SC DISEASE**
Laura Nicolet Zamproni, M.C. Lange, A.F. Fernandes, P. Coral, J.A. Muzzio, I.J. Marchioro, A. Tamanini, F.M. Branco Germiniani, V.H. Flumignan Zétola, *Brazil*
- 232 **ATTITUDE TOWARDS ACUTE STROKE CARE COMPARED TO ACUTE CORONARY SYNDROME CARE IN A TERTIARY HOSPITAL IN OMAN**
Abdullah Al-Asmi, S. Al-Masrouri, R. Al-Lawati, R. Nandhagopal, A. Alobaidy A, P. Jacob, G. Arunodaya, *Oman*
- 233 **SCUBE1 BIOMAKER IS ELEVATED IN THE PLASMA OF PATIENTS WITH ACUTE STROKE-LIKE EPISODES DUE TO MUTATION OF THE MITOCHONDRIAL DNA**
Peterus Thajeb, D.-F. Dai, R.-B. Yang, *Taiwan R.O.C.*
- 234 **VESTIBULAR SYMPTOMS IN PATIENTS WITH ACUTE STAGE OF ISCHEMIC CEREBELLAR STROKE; EVALUATION OF THE TOAST CLASSIFICATION**
Boguslaw Paradowski, E. Kowalczyk, J. Chojdak-Lukasiewicz, *Poland*
- 235 **ATRIAL FIBRILLATION AND FEMALE GENDER- FATAL COMBINATION FOR STROKE?**
Gabriela Pavlic, N. Diaconu, A. Grosu, M. Gavriluc, C. Gratii, *Moldova*
- 236 **IN HOSPITAL DIRECT COST OF STROKE IN BENIN**
Thierry Adoukonou, M.-J. Cossi, J.-M. Codjia, A. Vergnenègre, P.-M. Preux, D. Houinato, *Benin*
- 237 **LATE-LIFE MIGRAINE ACCOMPANIMENTS SECONDARY TO CORTICAL HEMOSIDERIN DEPOSITION FROM AMYLOID ANGIOPATHY**
Cumara B. O'Carroll, D.W. Dodick, B.M. Demaerschak, *USA*
- 238 **IMPACT OF MLC601 ON NEUROFUNCTIONAL RECOVERY IN MODERATE-TO-SEVERE DISABLE PATIENTS AFTER THEIR FIRST EVER ISCHEMIC STROKE**
S. Gebeily, S. Atrouni, H. Eid, R. Saad, Chawkat Beaini, N. Riachi, *Lebanon*

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- 239 **VENOUS THROMBOSIS CAUSED BY HYPERHOMOCYSTEINEMIA REVEALING PERNICIOUS ANAEMIA: A CASE REPORT**
Zoubida Tazi Mezalek, H. Harmouche, M. Maamar, M. Adnaoui, M. Aouni,
Morocco
- 240 **PRIMARY ANGIITIS OF THE CENTRAL NERVOUS SYSTEM: REPORT OF 3 CASES**
Raja Rabhi, M. Rahmani, B. Benaboud, S. Aidi, M. Benabdeljlil, M. Laghari,
R. Gana, F. Bellakhdar, F. Kettani, M. El Alaoui Faris, *Morocco*
- 241 **CORD COMPRESSION BY LIGAMENTUM FLAVUM CALCIFICATIONS, ABOUT 2 CASES**
Rachid Mahyou, *Morocco*
- 242 **OUTCOME OF LARGE HEMISPHERIC INFARCT IN NORTHEAST MALAYSIA**
Kamarul Aryffin Baharuddin, S. Bhaskar, J. Tharakan, *Malaysia*
- 243 **DEEP CEREBRAL VENOUS SYSTEM THROMBOSIS PRESENTED WITH TRANSIENT ISCHEMIC ATTACKS**
Jee-Hyun Kwon, S.-H. Lee, E.-M. Lee, S.-Y. Kim, W.-J. Kim,
Republic of Korea
- 244 **CEREBRAL VENOUS THROMBOSIS DEVELOPED AFTER IN-VITRO FERTILIZATION EMBRYO TRANSFER WITHOUT EVIDENCE OF OVARIAN HYPERSTIMULATION SYNDROME**
Jee-Hyun Kwon, M.-S. Kim, E.-M. Lee, S.-Y. Kim, W.-J. Kim,
Republic of Korea
- 245 **CELIAC DISEASE AND ISCHEMIC STROKE**
Hajer Derbali, E. Farhat, L. Rais, M. Mansour, J. Zaouali, R. Mrissa, *Tunisia*
- 246 **CONGENITAL THROMBOPHILIA -IMPORTANT RISK FACTOR FOR CEREBRAL VENOUS THROMBOSIS IN CENTRAL INDIA**
Chandrashekar Mahadeorao Meshram, S.G. Kanphade, A. Nanda,
M. Baheti, P. Shembalkar, N.C. Meshram, N. Chandak, *India*
- 247 **FREQUENCY OF CARPAL TUNNEL SYNDROME IN HEMIPLEGIC POST STROKE PATIENTS**
Olga Schiopu, M. Gavriluc, A. Grumeza, *Moldova*

**POSTER SESSION 2:
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- 248 **STROKE IN HEART TRANSPLANTED POPULATION IN COLOMBIA**
Jorge Ignacio Celis-Mejia, L.O. Lopez-Aristizabal, A.J. Patino-Ospina,
D.C. Cardona, G. Franco, *Colombia*
- 249 **CHILDHOOD POSTERIOR CIRCULATION ISCHEMIC STROKE: AN
UNCOMMON CEREBROVASCULAR DISEASE. CASE REPORT**
L.C. Meguins, Fabricio Diniz Lima, R.S.L. Paula, M.M.C.M. Brito,
R.C.A.P. Albuquerque, *Brazil*
- 250 **INCOMPLETE WALLEBERG SYNDROME: REPORT OF A CASE AND A
DESCRIPTION OF THE MAIN STRUCTURES INVOLVED IN
WALLEBERG SYNDROME**
F.D. Lima, L.C. Meguins, F.N. Oliveira, W.A.M. Tognola, D.G.V. Hardoim,
Waldir Antônio Tognola, *Brazil*
- 251 **MALIGNANT INFARCTION OF THE MIDDLE CEREBRAL ARTERY IN
ELDERLY: A POINT OF CONTROVERSY FOR DECOMPRESSIVE
SURGERY - CASE REPORT**
L.C. Meguins, F.N. Diniz de Lima, F.N. Oliveira, Antônio Ronaldo Spotti,
W.A. Tognola, *Brazil*
- 252 **MULTIPLE HYPOINTENSE VESSELS ON SUSCEPTIBILITY-WEIGHTED
IMAGING REPRESENT DIFFUSION-PERFUSION MISMATCH IN ACUTE
ISCHEMIC STROKE**
Kyung-Pil Park, W. Lee, T.-I. Yang, M.-G. Park, S.-J. Oh, S.-K. Baik,
Republic of Korea

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**POSTER SESSION 3:
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- 1 **THE ROLE OF INFLAMMATION AND FREE RADICALS IN AD TYPE OF DEMENTIA**
Nino Lobjanidze, M. Beridze, M. Janelidze, R. Shakarishvili, N. Akiashvili, T. Maisuradze, I. Urushadze, *Georgia*
- 2 **BORELIA BURGENDORFERI: RISK FAKTOR IN ALZHEIMER'S DISEASE**
Ralf Marquard, *Germany*
- 3 **"SWITCHING OFF" METABOLIC MEMORY PHENOMENON: POTENTIAL THERAPEUTIC STRATEGY FOR PREVENTION OF DIABETES ASSOCIATED COGNITIVE DECLINE**
Anurag Kuhad, K. Chopra, *India*
- 4 **VASCULAR DEMENTIA AND ALZHEIMER'S DISEASE: COMPARISON OF NEUROIMMUNOLOGICAL CHANGES**
Tea Maisuradze, M. Beridze, M. Janelidze, R. Shakarishvili, I. Urushadze, N. Mikava, *Georgia*
- 5 **DISSOCIATIVE SEMANTIC LOSS IN CATEGORY FLUENCY TEST IN ALZHEIMER'S DISEASE**
Wahab S. Hameed, S.K.S. Ting, A. Earnest, E.-K. Tan, *Singapore*
- 6 **ALCOHOL AS A RISK FACTOR FOR ALZHEIMER TYPE OF DEMENTIA: LOCATING MECHANISMS**
Vivek Kumar Sharma, *India*
- 7 **EFFECT OF CARVEDILOL AGAINST COLCHICINE INDUCED COGNITIVE IMPAIRMENT IN AN ANIMAL MODEL OF SPORADIC DEMETIA OF ALZHEIMER TYPE**
Anil Kumar, *India*
- 8 **FEATURES OF SYSTEM APPROACH TO THE ANALYSIS OF NEUROPSYCHIATRIC DISORDERS IN ALZHEIMER'S DISEASE OF UZBEK NATIONALITY INDIVIDUALS**
Daniyar Izyumov, G. Izyumova, *Uzbekistan*
- 9 **DECREASE IN THE PRODUCTION OF AB BY BERBERINE INHIBITION OF THE EXPRESSION OF B-SECRETASE IN HEK293 CELLS**
Feiqi Zhu, *China*

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- 10 **LEARNING DIFFERENCE WITH REPEATED KOREAN VERSION OF MINI-MENTAL STATUS EXAMINATION (K-MMSE) TESTING BETWEEN PATIENTS WITH AD AND MCI**
Chansok Kim, Republic of Korea
- 11 **VALIDATION OF THE KOREAN ADDENBROOKE'S COGNITIVE EXAMINATION FOR DIAGNOSING ALZHEIMER'S DEMENTIA AND MILD COGNITIVE IMPAIRMENT IN THE KOREAN ELDERLY**
Jin-Young Ahn, J.-H. Heo, H.-T. Kim, M.-K. Kim, Republic of Korea
- 12 **REGIONAL CEREBRAL BLOOD FLOW DIFFERENCES IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT BETWEEN CONVERTED AND NON-CONVERTED TO ALZHEIMER'S DISEASE**
Kyung Won Park, H.J. Yoon, D.-Y. Kang, B.C. Kim, Republic of Korea
- 13 **IDENTIFYING FREQUENCY OF DEMENTIA IN PARKINSON'S DISEASE**
Abdul Malik, S. Ali, L. Mian, K. Sher, F.S. Khan, Pakistan
- 14 **REDUCED BRAIN FUNCTIONAL CONNECTIVITY IN MIDDLE-AGED, APOE4 CARRIERS, CHILDREN OF ALZHEIMER PATIENTS (CAPS): A RESTING STATE F-MRI STUDY**
PIERO Antuono, S.J. Li, S. Singh, J. Goveas, M. Franczak, W. Li, C. Xie, J. Jones, D. Ward, USA
- 15 **THERAPEUTIC TRIALS FOR THOSE COMPLAIN OF MILD IMPAIRMENT OF COGNITION BY A NOVEL HERBAL SUPPLEMENT FORMULA UTILIZING A BLOOD BIOMARKER**
Akira Matsumoto, K. Uemura, T. Tachibana, S.-J. Sun, R. Matsumoto, H. Oshiro, H. Nakajima, Japan
- 16 **STABILIZATION OF AB-LINKED LEARNING AND MEMORY DECLINE BY MACROPHAGE COLONY-STIMULATING FACTOR IN APP_{SWE}/PS1 MOUSE MODEL OF ALZHEIMER'S DISEASE**
Mohammed Filali, S. Rivest, Canada
- 17 **DRESSING APRAXIA WITH VISUO-SPATIAL DISORIENTATION AS FORME FRUSTE OF ALZHEIMER'S DISEASE**
Steven Allen Sparr, USA
- 18 **AMELIORATIVE EFFECTS OF GELATIN HYDROLYSATES AGAINST SCOPOLAMINE INDUCED LEARNING AND MEMORY IMPAIRMENTS**
Aera Jang, J.-S. Ham, D.-W. Kim, K.-H. Seol, M.-H. Oh, H.-W. Kim, D.-H. Kim, H.-K. Kim, Republic of Korea

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**POSTER SESSION 3:
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- 19 **SERUM BRAIN-DERIVED NEUROTROPHIC FACTOR LEVEL AS A PREDICTOR OF DEMENTIA IN MILD COGNITIVE IMPAIRMENT**
Joanna Siuda, M. Targosz-Gajniak, H. Jedrzejowska-Szypulka, M. Bujak, G. Opala, *Poland*
- 20 **DEMENTIA IN THE DEVELOPING WORLD**
Adesola Ogunniyi, *Nigeria*
- 21 **GALANTAMINE IN LONG-TERM TREATMENT FOR MILD COGNITIVE IMPAIRMENT**
Julio César Zarra, L.C. Schmidt, *Argentina*
- 22 **THE EFFICACY OF TREATMENT OF ADDITION IN ALZHEIMER'S DISEASE: RATIONALE FOR COMBINATION THERAPY WITH GALANTAMINE AND MEMANTINE**
Julio César Zarra, L.C. Schmidt, *Argentina*
- 23 **NEUROPATHOLOGICAL CHANGES OF CLIOQUINOL INTOXICATION; SUBACUTE MYELO-OPTICO-NEUROPATHY (SMON)**
Masaaki Konagaya, M. Sakai, M. Yoshida, Y. Konagaya, *Japan*
- 24 **THERAPEUTIC EFFECTS OF CARVACROL, A CONSTITUENT OF ZATARIA MULTIFLORA ESSENTIAL OIL, ON COGNITIVE DEFICITS IN AN ALZHEIMER'S DISEASE ANIMAL MODEL**
Nahid Majlessi, Z. Azizi, S. Choopani, M. Kamalinejad, *Iran*
- 25 **INFLUENCE OF AGE IN CSF BIOMARKERS OF ALZHEIMER'S DISEASE FROM CONTROL SUBJECTS**
José Antonio Monge-Argilés, J. Montoya-Gutiérrez, C. Muñoz-Ruiz, J. Sánchez-Payá, C. Leiva-Santana, *Spain*
- 26 **CARPHOLOGIC SYMPTOMS ARE AS A MOTOR EXPRESSION OF DELIRIUM PSYCHOTIC SYMPTOMS WHEN VERBALIZATION IS NOT PRESENT BECAUSE OF LOW MMSE**
Aušra Bagdonaitė, V. Mačiulis, G. Naujokas, A. Perminas, *Lithuania*
- 27 **LANGUAGE AND AMNESIC PRESENTATION OF ALZHEIMER'S DISEASE: TWO SIDES OF THE SAME COIN**
Cristian Leyton, S. Savage, O. Piguet, J. Hodges, *Australia*

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- 28 **COENZYME Q10 INHIBITS AMYLOID-BETA-INDUCED NEURONAL CELL DEATH THROUGH ACTIVATION OF THE PI3K PATHWAY**
H.-J. Yu, **Seong-Ho Koh**, H. Choi, K.-Y. Lee, Y.J. Lee, J. Kim, M.H. Kim,
Republic of Korea
- 29 **INFLAMMATION IN NEURODEGENERATIVE DISEASES**
Abdulkadir Koçer, G. Kocaman, S. Dikici, S. Özdem, *Turkey*
- 30 **NORMAL 0 21 COMPLIANCE TO TRANSDERMAL PATCH THERAPY IN ALZHEIMER'S DISEASE: RESULTS OF AN EXE SWITCH STUDY**
Tomasz Gabryelewicz, A. Pfeffer, A. Potemkowski, M. Mandecka,
M. Barcikowska, *Poland*
- 31 **STUDY OF PHONEMIC AND SEMANTIC VERBAL FLUENCIES IN PATIENTS WITH ALZHEIMER'S DISEASE**
Emílio Herrera Jr., G.A. Herrera, R.L. Caramanti, *Brazil*
- 32 **EVALUATION OF THREE HAND POSITION TEST OF LURIA IN ALZHEIMER'S DISEASE AND YOUR RELATIONSHIP WITH AGE**
Emílio Herrera Jr., G.A. Herrera, R.L. Caramanti, *Brazil*
- 33 **STUDY RESEARCH ON PTSD, MAJOR DEPRESSION AND DEMENTIA**
Habib Habibollah Rabbani, *France, Iran*
- 34 **PSYCHOLOGICAL STRESS ROLE IN MANIFESTATION OF DEMENTIA DISORDERS IN OLDER ADULTS**
Taher Zandi, *USA*
- 35 **EFFECTS OF RHODEOLA ROSEA L. EXTRACT ON LEARNING AND MEMORY IN RATS WITH SCOPOLAMINE-INDUCED MODEL OF IMPAIRED MEMORY**
Damianka Peteva Getova, A.S. Mihaylova, N.D. Doncheva, *Bulgaria*
- 36 **A NATURAL FLAVONES, CLYCPTERIN, PROTECTS PC12 NEURONS CELLS FROM ER STRESS INDUCED APOPTOSIS VIA ENHANCEMENT OF MITOCHONDRIAL BIOGENESIS**
Nazanin Namazi Sarvestani, M. Moridi, N. Ansari, F. Khodaghohi, *Iran*
- 37 **HOW CAN SALVIGENIN, A NATURAL SUBSTANCE, AFFECT ON AUTOPHAGY AND APOPTOSIS PATHWAYS IN NEUROBLASTOMA SHSY5Y CELLS EXPOSED TO H2O2**
Shahnaz Babaei Abraki, M. Moridi, G. Raafatian, F. Khodaghohi, *Iran*

**POSTER SESSION 3:
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- 38 **PROTECTIVE EFFECTS OF A SYNTHETIC TRIAZINE AGAINST OXIDATIVE STRESS IN NEURON-LIKE PC12 CELLS: APOPTOSIS VERSUS AUTOPHAGY**
Fariba Khodagholi, N. Ansari, *Iran*
- 39 **ANTI-OXIDANT, ANTIGLYCATING AND NEUROPROTECTIVE EFFECTS OF *SALVIA CHOLOROLEUCA*, AN ENDEMIC SPECIES TO IRAN**
Fateme Shaerzadeh, A. Sonboli, F. Khodagholi, *Iran*
- 40 **LANGUAGE DISTURBANCES OF GREEK ALZHEIMER'S POPULATION**
D. Tafiadis, S. Konitsiotis, **Grigorios Nasios**, *Greece*
- 41 **EFFECTS OF A NOVEL CATIONIC AMPHIPHILIC 1,4-DIHYDROPYRIDINE DERIVATIVE ON ANXIETY-LIKE BEHAVIOR IN TRANSGENIC ALZHEIMER'S DISEASE MODEL-MICE**
Baiba Jansone, I. Kadish, T. van Groen, A. Plotniece, E. Poppela, J. Pupure, J. Rumaks, K. Pajuste, D. Kaldre, Z. Dzirkale, V. Klusa, *Latvia*
- 42 **AWARENESS WITHIN THE TUNISIAN POPULATION CONCERNING DEMENTIA, SYMPTOMS, RISK FACTORS AND MANAGEMENT**
Zakaria Said, S. Ben Amor, A. Hassine, I. Chatti, M.S. Harzallah, L. Ben Slamia, T. Lammouchi, S. Benammou, *Tunisia*
- 43 **CORRELATION OF METABOLIC CHANGES AND APRAXIA IN PATIENTS WITH ALZHEIMER DISEASE**
Ulla Linnamagi, T. Tomberg, P. Ilves, T. Matsalu, S. Oja, M. Ennok, *Estonia*
- 44 **THE INFLUENCE OF DEPRESSION ON THE RECOGNITION OF EMOTIONS**
Alexandra Varjassyová, D. Horinek, H. Magerova, M. Vyhnalek, J. Laczo, J. Hort, *Czech Republic*
- 45 **KLOTHO (KL) POLYMORPHISMS IN SPORADIC ALZHEIMER'S DISEASE**
Antonio Daniele, F. Panza, A. Bizzarro, G. Paroni, G. D'Onofrio, M. Copetti, C. Gravina, M. Urbano, F. Paris, L. Cascavilla, A. Fontana, A. Pilotto, C. Masullo, D. Seripa, *Italy*

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- 46 **HIGH SOCIAL NETWORK IS ASSOCIATED WITH LOW OCCURRENCE OF DEMENTIA IN A SENEGALESE ELDERLY POPULATION**
K. Toure, **Coume Mamadou**, M.H. Thiam, A. Basse, A. Sow, L.B. Seck, N.F. Ndoye, M. Ndiaye, M.V. Zunzunegui, Y. Bacher, A.G. Diop, M.M. Ndiaye, *Senegal*
- 47 **ALZHEIMER DIAGNOSTIC CHALLENGES IN ROMANIA**
Razvan Ioan Trascu, L. Spiru, *Romania*
- 48 **COGNITIVE IMPAIRMENT IN A SENEGALESE ELDERLY PATIENTS: PREVALENCE AND RISK FACTORS**
Mamadou Coume, K. Toure, M.H. Thiam, A. Basse, A. Sow, L.B. Seck, M. Ndiaye, M.M. Ndiaye, A.G. Diop, *Senegal*
- 49 **SPATIAL NAVIGATION IMPAIRMENT IS PROPORTIONAL TO THE RIGHT HIPPOCAMPAL VOLUME IN OLDER ADULTS WITH AND WITHOUT COGNITIVE IMPAIRMENT**
Zuzana Nedelska, J. Laczó, R. Andel, K. Vlcek, A. Varjassyova, D. Horinek, J. Lisy, J. Bures, J. Hort, *Czech Republic*
- 50 **DIFFERENCE OF CORTICAL EXCITABILITY BETWEEN CONTROL AND PATIENTS WITH ABNORMAL COGNITIVE FUNCTION: TRANSCRANIAL MAGNETIC STIMULATION STUDY**
Won Chul Shin, Y.W. Cho, S.J. Byun, D. Lee, M. Seung, S.H. Lee, H.Y. Rhee, *Republic of Korea*
- 51 **HYPOTHYREOSIS AS THE RISK-FACTOR OF DEMENTIA IN ELDERLY**
Nino Lobjanidze, M. Beridze, M. Janelidze, R. Shakarishvili, N. Kvirkvelia, N. Akiashvili, T. Maisuradze, I. Urushadze, *Georgia*
- 52 **IMAGING OF DEMENTIA**
Fatima Zahrae Laamrani, N. Ech-Cherif El Kettani, M. Benabdeljilil, M. Fikri, M.R. El Hassani, M. Alaoui-Faris, M. Jiddane, *Morocco*
- 53 **PRESTROKE AND POST-STROKE PHASE IN CADASIL**
Ji Hoon Kang, J.S. Lee, *Republic of Korea*
- 54 **STROKE LIKE PRESENTATION OF SPORADIC CREUTZFELDT-JAKOB DISEASE (SCJD)**
Ashok Kumar, *India*

**POSTER SESSION 3:
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- 55 **AN ASSOCIATION BETWEEN MELATONIN SECRETION AND COGNITIVE STATUS IN ACUTE STROKE PATIENTS**
Aleksy Kulesh, V. Schestakov, *Russia*
- 56 **OCCUPATIONAL STATUS HAS PROTECTIVE ROLE IN PREVENTING POST-STROKE COGNITIVE DECLINE: ONE YEAR RESULTS FROM A LONGITUDINAL STUDY OF TABASCO**
Einor Ben Assayag, S. Shenhar-Tsarfaty, E. Kliper, A. Mike, H. Hallevi, L. Shopin, E. Auriel, N. Giladi, U. Goldbourt, A.D. Korczyn, N.M. Bornstein, *Israel*
- 57 **YOUNG UNSET OF DEMENTIA IN A MEMORY CLINIC AT THE DEPARTMENT OF NEUROLOGY, FANN TEACHING HOSPITAL, DAKAR, SENEGAL**
Safwan Talmoudi, K. Touré, B.L. Seck, M. Ndiaye, G.A. Diop, M.M. Ndiaye, *Senegal*
- 58 **THE EFFECTS OF CANNABINOIDS IN A COMPLEX GENETIC MODEL OF NEURODEGENERATIVE DISEASE**
M.J. Casarejos, J. Perucho, A. Gomez, L. Barbado, M.P. Muñoz, O. Sagredo, J. Garcia de Yébenes, **Maria Angeles Mena**, *Spain*
- 59 **TREATMENT WITH ASSOCIATION BETWEEN GALANTAMINE AND ESCITALOPRAM IN MILD COGNITIVE DISORDER AND DEPRESSION**
J.C. Zarra, **Luisa Cristina Schmidt**, *Argentina*
- 60 **THE EVOLUTION OF MEMORY DISORDER IN THE ELDERLY PEOPLE: DO YOU RECOVER, WILL REMAIN STATIONARY OR DEMENTIA?**
J.C. Zarra, **Luisa Cristina Schmidt**, *Argentina*
- 61 **PRIMARY PROGRESSIVE APHASIA: APPLICATION OF THE INTERNATIONAL CONSENSUS CRITERIA AND VALIDATION USING PIB-PET IMAGING**
Cristian Leyton, V. Villemagne, S. Savage, K. Pike, K. Ballard, O. Piguet, J. Burrell, C. Rowe, J. Hodges, *Australia*
- 62 **AN AUTOPSY CASE OF SUPERFICIAL HEMOSIDEROSIS IN ASSOCIATED WITH TAU AND ALPHA-SYNUCLEIN ACCUMULATION**
B. Mihara, H. Kimura, Y. Yoshida, **Masaki Takao**, *Japan*
- 63 **OPTIMIZATION OF THE THERAPY OF DEMENTIA IN CHRONIC CEREBRAL ISCHEMIA**
Durdona Usmanova, *Uzbekistan*

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- 64 **MIGRAINE HEADACHES, POSSIBLE PREDICTORS OF DEMENTIA?**
Amina Nakicevic, D. Imamovic, L. Hebib, A. Alajbegovic, E. Suljic,
Bosnia-Herzegovina
- 65 **VALIDATION OF THE MAMSE: A TOOL FOR ASSESSING COGNITIVE
FUNCTION FOR ALL SOCIO-EDUCATIONAL LEVELS**
Zeinab Kone, C.O. Guinto, T. Coulibaly, M. Traoré, *Mali*
- 66 **COMPARISON OF FAMILY CAREGIVER BURDEN IN RELATION TO
DEMENTIA SEVERITY IN ALZHEIMER'S DISEASE AND VASCULAR
DEMENTIA**
Bong Goo Yoo, M.K. Kim, *Republic of Korea*
- 67 **THE EVALUATION OF COGNITIVE FUNCTIONS IN PARKINSON'S
PATIENTS WITH AUDITORY EVENT RELATED POTENTIAL (P300)**
Suna Ay Sarikaya, T.K. Yoldas, N.G. Yavasoglu, B. Guven, M. Yilmaz,
Turkey
- 68 **DEMENTIA AND ALZHEIMER'S DISEASE. EXPERIENCE OF THE
MEMORY CLINIC OF RABAT**
Maria Benabdeljlil, F. Boutbibe, M. Rahmani, F. Benbelaïd, M. Bennani,
S. Aïdi, M. El Alaoui Faris, *Morocco*
- 69 **COGNITION IN MIDDLE-AGED INDIVIDUALS WITH VASCULAR RISK
FACTORS: CROSS-SECTIONAL AND PRELIMINARY LONGITUDINAL
DATA**
Martine Simard, M. Doiron, A. Paré-Lambert, J. Talon, S. Wiederkehr,
Canada
- 70 **WHAT IS THE PLACE OF BIOMARKERS IN THE DIAGNOSIS OF
PRIMARY PROGRESSIVE APHASIA (PPA)?**
Aurelie Fle, B. Beaumatin, I. Saulnier, M.-A. Picat, G. Lapu, T. Dantoine,
France
- 71 **EARLY ONSET DEMENTIA: A TUNISIAN COHORT STUDY**
I. Belhouane, **Amina Gargouri Berrechid**, M. Ben Djebara, Y. Hizem,
R. Gouider, *Tunisia*
- 72 **[¹¹C]BF-227 PET STUDY IN PATIENTS WITH DEMENTIA WITH LEWY
BODIES**
Nobuyuki Okamura, K. Furukawa, N. Tomita, M. Tashiro, S. Furumoto,
R. Harada, Y. Kudo, H. Arai, K. Yanai, *Japan*

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- 73 **DEMENTIA WITH LEWY BODIES IN A NIGERIAN WOMAN: A CASE REPORT**
Philip Babatunde Adebayo, R.O. Akinyemi, A. Adeniji, *Nigeria*
- 74 **PROGRESSIVE DEMENTIA IN A YOUNG WOMEN REVEALING MIXED CONNECTIVE TISSUE DISEASE**
Jamel Zaouali, E. Farhat, A. Riahi, M. Lahmer, M. Mansour, R. Mrissa, *Tunisia*
- 75 **FAHR SYNDROME REVEALING BY DEMENTIA ABOUT TWO CASES**
Nissrine Louhab, N. Adali, S. Zahlane, N. Kissani, *Morocco*
- 76 **SPONTANEOUSLY RESOLVED IDIOPATHIC HYPERTROPHIC CRANIAL PACHYMENINGITIS PRESENTED WITH DEMENTIA**
Jameel Rasheedi, N.S. Qadi, *Saudi Arabia*

INFECTION

- 77 **THE DIAGNOSIS OF TUBERCULOUS MENINGITIS: A CURRENT REVIEW OF THE CLINICAL AND LABORATORY METHODS**
Brian Chisulo, S.H. Jiang, Y.S. Pan, *China, Zambia*
- 78 **DETECTION AND EVALUATION OF HAEMOPHILUS INFLUENZA IN CSF**
Monireh Rahimkhani, H. Khavari Daneshvar, A.A. Velayati, *Iran*
- 79 **NEUROLOGIC ILLNESS ASSOCIATED WITH TYPHOID FEVER. MALAWI, MOZAMBIQUE 2009**
James J Sejvar, E. Lutterloh, J. Naine, A. Likaka, S. Monroe, R. Manda, M. Humphrys, M. Mallewa, S. Kampondeni, D. Talkington, L. Stockman, B. Nygren, K. Schilling, B.T. Barr, A. Demby, L. Capewell, S. Lowther, K. Date, J. Schier, G. Armstrong, E. Mintz, *USA*
- 80 **DURATION OF TREATMENT OF CENTRAL NERVOUS SYSTEM TUBERCULOSIS INFECTION IN HIV/AIDS PATIENTS**
James Jowi, N. Kunyiha, R. Shah, S. Mwanzi, J. Shavadia, J. Masesa, *Kenya*
- 81 **A PROSPECTIVE DATABASE OF MENINGO-ENCEPHALITIS IN A TERTIARY SINGAPORE HOSPITAL-A PRELIMINARY REVIEW**
Ambihai Sivalingam, T. Umapathi, L. Wei, *Singapore*

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- 82 **TUBERCULOUS MENINGITIS IN THE IMMUNOCOMPÉTENTS: ABOUT 25 CASES**
Adnane Semlali, Y. Hssaini, A. Bourraza, *Morocco*
- 83 **TUBERCULOUS MENINGOVASCULARITY: ABOUT 7 CASES**
Adnane Semlali, Y. Hssaini, A. Jouhari, A. Bourraza, *Morocco*
- 84 **SIMULTANEOUS HTLV-I ACUTE ENCEPHALOPATHY AND TRANSVERSE MYELOPATHY**
Luis Roviroso Cartier, E. Ramírez, M.A. Valenzuela, *Chile*
- 85 **ENCEPHALOPATHY AND ENCEPHALITIS ASSOCIATED WITH DENGUE**
Dona Manuwelge Dona Nadika Wijesoma, T. Umapathi, *Singapore*
- 86 **SOLAR SYNDROM AS FIRST MANIFESTATION OF NEUROSYPHILIS**
Loubna El Ouardi, E.H. Ait Ben Haddou, W. Regragui, Z. Al Hamany, A. Ibrahim, A. Benomar, M. Yahyaoui, *Morocco*
- 87 **CRYPTOCOCCOSIS IN AN IMMUNOCOMPETENT PREGNANT WOMAN**
Khaoula Rasmouni, L. Lachhab, E.H. Ait Ben Haddou, M. Maamar, N. Ahbeddou, W. Regragui, M. Seffar, A. Benomar, M. Yahyaoui, *Morocco*
- 88 **NEUROLOGICAL COMPLICATIONS OF DENGUE FEVER: AN INDIAN STUDY**
Rajesh Verma, P. Sharma, R.K. Garg, M.K. Singh, H.S. Mehrotra, *India*
- 89 **ACUTE CHICKENPOX CAUSING MULTIPLE CRANIAL NEUROPATHIES**
Peng Soon Ng, K. Tan, C.C. Lee, *Singapore*
- 90 **USEFULNESS OF C-REACTIVE PROTEIN IN DISTINGUISHING FORMS OF ADULT MENINGITIS**
Shin-Hye Baek, Y.-H. Kim, K.-Y. Park, *Republic of Korea*
- 91 **CLINICAL AND NEUROIMAGING FINDINGS IN NEUROBRUCCELLOSIS**
Ehtesham Khalid, S. Sinha, E. Bakhsh, K.A. Siddiqui, *Saudi Arabia*
- 92 **RABIES IN COLOMBIA**
Gustavo Pradilla, J.C. Mantilla, I.F. Pradilla, *Colombia*
- 93 **BITHALAMIC INFARCTS COMPLICATING TUBERCULOSIS MENINGOENCEPHALITIS**
Jehanne Aasfara, W. Regragui, M. Jiddane, E.H. Ait Benhaddou, A. Benomar, M. Yahyaoui, *Morocco*

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- 94 **THE ROLE OF CEREBROSPINAL FLUID S100B PROTEIN FOR PREDICTING PARENCHYMA IMPAIRMENT IN PATIENTS WITH CNS INFECTIONS**
Jung Wook Park, H.E. Shin, K.I. Seo, *Republic of Korea*
- 95 **THE DIAGNOSTIC VALUE OF ADENOSINE DEAMINASE(ADA) ACTIVITY IN PATIENTS WITH TUBERCULOUS MENINGITIS: CEREBROSPINAL FLUID(CSF) AND SERUM**
Byeong C. Kim, B.-H. Cho, S.-M. Choi, G.-J. Yoon, S.-H. Lee, M.-K. Kim, K.-H. Cho, *Republic of Korea*
- 96 **PROGRESSIVE MULTIFOCAL LEUKOENCEPHALOPATHY WITH CEREBRAL VASCULITIS IN AN IMMUNOSUPPRESSED RHEUMATOID ARTHRITIS PATIENT**
L. Bridges, A. Al-Memar, **Michael Knopp**, *UK*
- 97 **SOMATOGENOUS DELIRIUM IN NEUROSYPHYLIS AND TICK-BORNE MENINGOENCEPHALITIS**
Aušra Bagdonaitė, V. Mačiulis, A. Šiurkutė, J. Lengvenienė, *Lithuania*
- 98 **NEUROPATHIC PAIN DURING TUBERCULOSIS TREATMENT IN HIV NEGATIVE PATIENT IN PNEUMO-PHTISIOLOGY WARD OF POINT G HOSPITAL, BAMAKO, MALI (WEST AFRICA)**
Youssoufa Maiga, Y. Toloba, C. Napon, D. Ranoux, Y. Cissoko, Y. Soumaïla, M.Y. Maiga, H.A. Traoré, *Mali*
- 99 **COMPLEX PARTIAL STATUS EPILEPTICUS ASSOCIATED WITH ADULT H1N1 INFECTION**
Wei Ping Goh, L.L. Leonard Yeo, P. Paliwal, W.P. Kay Ng, A. Ahmad, R. Rathakrishnan, *Singapore*
- 100 **AN ATYPICAL NEUROLOGICAL PRESENTATION OF HIV INFECTION: A CASE REPORT**
Alessandro d'Ambrosio, M. Della Corte, L. Lavorgna, B. Simona, G. Tedeschi, *Italy*
- 101 **GENERAL PARESIS: DATA FROM MARRAKESH UNIVERSITY HOSPITAL**
Nawal Adali, N. Louhab, I. Adali, F. Asri, N. Kissani, *Morocco*
- 102 **MENINGOVASCULAR SYPHILIS: STUDY OF NINE CASES**
Yahya Hsaini, A. El Jouhari, A. Semlali, J. Oumerzouk, T. Boulahri, A. Bourazza, *Morocco*

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- 103 **NEUROSYPHILIS IN YOUNG PEOPLE: ABOUT 4 CASES**
A. Slassi Sennou, **Aouatef El Midaoui**, M.F. Belahsen, O. Messouak,
Morocco
- 104 **CNS HERPES SIMPLEX VIRUS (HSV) OUTCOMES BY TIME TO TREATMENT - A CLINICAL AUDIT**
Katrina Anne Morris, G.M. Halmagyi, R. Chan, *Australia*
- 105 **MEASURING ANTIRETROVIRAL ADHERENCE IN HIV INFECTED INDIVIDUALS WITH AND WITHOUT COGNITIVE IMPAIRMENT IN WESTERN KENYA**
Judith Kwasa, D. Cettomai, E. Lwanya, D. Osiemo, P. Oyaro, G.L. Birbeck, R.W. Price, E.A. Bukusi, C.R. Cohen, A.-C.L. Meyer, *Kenya*
- 106 **CEREBELLAR AND EXTRAPYRAMIDAL MANIFESTATIONS OF LYME ENCEPHALITIS: A CASE REPORT**
Petar Slankamenac, B. Radovanovic, B. Vitic, S. Lukic, *Serbia*
- 107 **INFECTIONS AND INFLAMMATION ASSOCIATED WITH NEURO-BEHÇET SYNDROME**
Monica Marta, E. Santos, E. Coutinho, A. Martins da Silva, J. Correia, G. Giovannoni, *UK*
- 108 **CENTRAL NERVOUS SYSTEM TUBERCULOSIS**
Anissa Khefifi, A. Jaoua, S. Ben Amor, M.S. Harzallah, L. Ben Slamia, S. Benamou, *Tunisia*
- 109 **VERTEBRAL CRYPTOCOCCOSIS IN AN IMMUNOCOMPETENT PATIENT**
Houda Bachir, W. Ammouri, H. Harmouche, Z. Tazi Mezalek, M. Adnaoui, M. Aouni, *Morocco*
- 110 **SSPE IN PREGNANCY, A CASE REPORT FROM KUWAIT**
Shekhar Lamdhade, A. Thussu, A. Ashkanani, *Kuwait*
- 111 **THE ROLE OF STEREOTACTIC BIOPSY IN THE DIAGNOSIS AND MANAGEMENT OF INTRACRANIAL TUBERCULOMAS: EXPERIENCE OF IBN SINA HOSPITAL (RABAT)**
Mustapha Hemama, K. Skounti, M. Ibrahim, N. El Fatemi, R. El Gana, M.R. El Maaquili, F. Bellakhdar, *Morocco*
- 112 **YOUNG ADULTS SPORADIC CREUTZFELDT-JAKOB DISEASE**
Nadia Eljazouli, M. Rahmani, J. Onen, M. Benabdeljlil, F. Lhajouji, E.O. Rachid, A. Saadia, E.A.F. Mustpha, *Morocco*

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- 113 **NEUROSARCOIDOSIS PRESENTING WITH HEERFORDT SYNDROME**
Srinivasan Bhaskar, A. Panneer, D. Nupur, G. Vishnusri, N. Kailash,
K. Purushothaman, *India*
- 114 **ACCURACY OF THWAITES' DIAGNOSTIC CRITERIA TO DISTINGUISH
TUBERCULAR MENINGITIS FROM OTHER TYPES OF MENINGITIS**
K.N Ramesha, M.P. Kate, S.V. Thomas, A. Mathai, P.S. Sarma, *India*
- 115 **NATALIZUMAB-ASSOCIATED PROGRESSIVE MULTIFOCAL
LEUKOENCEPHALOPATHY: SURVIVAL AND FUNCTIONAL STATUS OF
POSTMARKETING CASES**
Sandra Richman, L. Kappos, J. Foley, R. Gold, T. Olsson, P. Vermersch,
D. Cadavid, N. Richert, C. Bozic, *USA*
- 116 **ATYPICAL PRESENTATION OF ADULT-ONSET SUBACUTE
SCLEROSING PANENCEPHALITIS: CLINICAL, MAGNETIC RESONANCE
IMAGING AND NEUROPATHOLOGY CORRELATIONS**
Grace Crotty, N. Bermingham, C. Keohane, B. Sweeney, *Ireland*
- 117 **DIAGNOSIS AND MANAGEMENT OF CNS TUBERCULOSIS- OUR
EXPERIENCE FROM KOTA BHARU, NORTH-EASTERN MALAYSIA**
S. Bhaskar, K.A. Baharuddin, John Tharakan, *Malaysia*
- 118 **ABSCESSSES SIMULATING A BRAIN STEM TUMOR IN A CHILD:
A REPORT OF A CASE**
Wafae El Hymer, M. Skoumi, K. Aniba, M. Laghmari, M. Lmejjati,
H. Ghannane, S. Ait Benali, *Morocco*
- 119 **USEFULNESS OF HERPES CONSENSUS PCR METHODOLOGY IN THE
DIAGNOSIS OF COMMON HERPESVIRUS INFECTIONS OF THE
CENTRAL NERVOUS SYSTEM (CNS)**
Stamatina Levidiotou, C. Gartzonika, E. Priavali, N. Zotos, E. Papapetrou,
G. Vrioni, A. Kyritsis, *Greece*
- 120 **INTRADURAL EXTRAMEDULLARY TUBERCOLOMA OF THE SPINAL
CORD FOLLOWING TUBERCULOUS MENINGITIDIS: COMPLICATION OF
THE DISEASE OR COMPLICATION OF THE TREATMENT?**
Fahd Derkaoui Hassani, L. Lachhab, S. Hamaz, E. Aitbenhadou,
W. Regragui, A. Benomar, M. Yahyaoui, *Morocco*

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- 121 **MILIARY TUBERCULOMAS OF THE BRAIN AND SPINAL CORD: CASE REPORT**
Ines Ben Abdelaziz, H. Khiari-Mrabet, N. Ben Ali, S. Echabbi, A. Mrabet, *Tunisia*
- 122 **NEUROBRUCCELLOSIS: SEVERITY OF LATE DIAGNOSIS**
Nadia Ben Ali, I. Ben Abdelaziz, S. Echabbi, H. Khiari-Mrabet, A. Mrabet, *Tunisia*
- 123 **CASE REPORT: HIV WITH PROTEIN S DEFICIENCY PRESENTING WITH CEREBRAL VENOUS THROMBOSIS**
Yassine Mebrouk, M. Chraa, F.E.-Z. Mabrouki, N. Kissani, *Morocco*
- 124 **ANALYSIS OF FOURTEEN NEW CASES OF MENINGOVASCULAR SYPHILIS: RENEWED INTEREST IN AN OLD PROBLEM**
Yassine Mebrouk, M. Chraa, N. Kissani, *Morocco*
- 125 **HEPATITIS C VIRUS'S UNUSUAL NEUROLOGICAL COMPLICATIONS: PERIPHERAL NEUROPATHY WITHOUT CRYOGLOBULINAEMIA AND CENTRAL NERVOUS SYSTEM VASCULITIS**
Emna Farhat, H. Derbali, L. Rais, M. Mansour, J. Zaouali, R. Mrissa, *Tunisia*
- 126 **OPSOCLONUS-MYOCLONUS SYNDROME ASSOCIATED WITH LEPTOSPIROSIS**
Fatima Dany, Y. Benmansour, S. Oumari, B. El moutawakil, M.A. Rafai, I. Slassi, *Morocco*
- 127 **NEUROLOGIC MANIFESTATIONS OF LEPTOSPIROSIS: SERIES STUDY**
Salima Manaf, M.R. Belkhibchia, R. Ibn Moufti, H. El Otmani, B. El Moutawakil, M.A. Rafai, N. Mdaghri, I. Slassi, Groupe de Recherche des Pathologies Infectieuses et Système Nerveux, *Morocco*
- 128 **ACUTE DISSEMINATED ENCEPHALOMYELITIS**
Siham Hamaz, T. Dendan, K. Abidi, N. Madani, A. Zegwagh, *Morocco*
- 129 **NEUROSYPHILIS IN SOUTHERN MOROCCO ABOUT 108 CASES**
Safaa Zahlane, N. Adali, N. Kissani, *Morocco*
- 130 **A BRAINSTEM INFARCTION REVEALING NEUROSYPHILIS-NEUROHIV CO-INFECTION**
Nissrine Louhab, N. Adali, S. Zahlane, N. Kissani, *Morocco*

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- 131 **EFFECT OF EXERCISE ON BALANCE, GAIT-SPEED AND QUALITY OF LIFE OF SUBSTANCE ABUSE PATIENTS**
Caleb Ademola Gbiri, A.O. Akinpleu, A.C. Odole, *Nigeria*
- 132 **PLACE OF BLADDER SCANNER IN THE TREATMENT OF DISORDERS OF BLADDER EMPTYING IN NEUROLOGICAL PATIENTS**
Ahmed Amine Eloumri, M. Asseban, O. Elhilali, N. Hajja- Hassouni, *Morocco*
- 133 **SAFETY OF APPLYING 2 RTMS COURSES, 10 SESSIONS EACH IN 3 STROKE PATIENTS WITH HEMIPARESIS. CASE SERIES**
Tamer Emara, N. Elnahas, T. Asaad, A. Elganzoury, S. Ashour, M. Eletribi, *Egypt*
- 134 **QUININE AND SPASMS: HOW EFFECTIVE?**
A.A. Eloumri, O. Elhilali, **Najia Hajja-Hassouni**, *Morocco*
- 135 **SENSORIMOTOR RECOVERY AND ASSESSMENT IN PARAPLEGICS AND TETRAPLEGICS UNDERGOING NEUROMUSCULAR ELECTRICAL STIMULATION**
Alberto Cliquet Junior, *Brazil*
- 136 **EVALUATING THE NEUROFEEDBACK EFFECTS ON QEEG PATTERNS OF THE BRAIN IN EXPERT RIFLE SHOOTERS**
Payman Salamati, R. Rostami, H. Sadeghi, K. Allahkarami, M. Nosratabadi, S. Talaei, Z.S. Najj, *Iran*
- 137 **ORAL FEEDING IN DISORDERS OF CONSCIOUSNESS PATIENTS**
Audrey Vanhauzenhuysse, A. Maudoux, M.-A. Bruno, O. Gosseries, C. Schnakers, A. Demertzi, C. Chatelle, M. Thonnard, S. Laureys, *Belgium*
- 138 **PROGRESSIVE ENHANCEMENT OF ALPHA ACTIVITY AND VISUAL FUNCTION IN PATIENTS WITH OPTIC NEUROPATHY: A TWO-WEEK NON-INVASIVE ALTERNATING CURRENT STIMULATION STUDY**
Stephan A. Brandt, A. Mante, R. Fleischmann, R. Barthe-Peters, B. Sabel, S. Schmidt, *Germany*
- 139 **THINKING ABOUT THE PLASTICITY OF THE BRAIN - CLINICS AND BEYOND**
Saskia K. Nagel, *Germany*

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- 140 **COLD (0°C) STIMULATION OF PARETIC/PARALYTIC LIMBS PRECEDING MOTOR EXERCISES ENHANCES CLINICAL OUTCOME OF STROKE REHABILITATION - PRELIMINARY DATA**
A. Siger, M. Niewodniczy, P. Mroczynski, **Jacek J. Rozniecki**, *Poland*
- 141 **METHODOLOGY OF POSTOPERATIVE REHABILITATION IN SPONDYLOGENIC THORACIC MYELOPATHY**
Olesya Vladimirovna Krotenkova, P.V. Krotenkov, A.M. Kiselev, *Russia*
- 142 **THE ROLE OF STABILITY EXERCISE PROGRAM ON POSTURAL CONTROL OF PATIENT WITH CHRONIC STROKE**
Iman Mokhtari Garakani, M. Kamalifard, *Iran*
- 143 **SAFETY OF TRANSCRANIAL DIRECT CURRENT STIMULATION IN THE CONTEXT OF COMBINED POST-ACUTE NEUROREHABILITATION IN PATIENTS WITH SPASTIC PARESIS AFTER STROKE**
Peter Kossmehl, C. Maertgen, N. Kuhle, E. Weber, R. Mueller-Kuhle, F. Speth, R. Karl, J. Wissel, *Germany*

NEURO-ONCOLOGY

- 144 **OUTCOMES OF FILIPINO PATIENTS WITH GLIOBLASTOMA MULTIFORME TREATED AT THE COMPREHENSIVE BRAIN TUMOR CENTER OF ST. LUKE'S MEDICAL CENTER: PHILIPPINE EXPERIENCE**
Ross Allan Mariano Mendoza, J.M.F. Batara, *Philippines*
- 145 **PRIMITIVE NEUROECTODERMAL TUMOUR ARISING FROM WITHIN A LOW-GRADE ASTROCYTOMA**
Cheryl Carcel, R.C. Alemany, *Philippines*
- 146 **BRAIN TUMORS AMONGS CHILDREN**
Jacques Lundja, T. Mukash, *Congo*
- 147 **COMBINATION OF QUADRIGEMINAL CISTERN LIPOMA AND FORAMEN MAGNUM MENINGIOMA**
Elisaveta Vladimirova Todorova-Dimitrova, N.D. Dimitrov, K. Genov, *Bulgaria*

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- 148 **PRESERVED LANGUAGE SKILLS SUBSEQUENT TO RISK-ADAPTED TREATMENT FOR EPENDYMOMA**
Fiona M. Lewis, B.E. Murdoch, *Australia*
- 149 **INCIDENCE OF PRIMARY CENTRAL NERVOUS SYSTEM TUMORS IN TWO DIFFERENT POPULATIONS FROM ARGENTINA (PART 1)**
Ignacio Casas Parera, M. Melcom, M. Fernández Pardal, M. Báez, A. Báez, J.M. Cardozo Oliver, E. Rojas Bilbao, L. Giménez, C. Rugilo, I. Tamer, J. Igirio Gamero, J. Tafur Canabal, V. Kuchkaryan, M. Halfon, C. Sánchez Retamar, P. Labal, C. Lozano, I. Aparisi, V. Baró, M. Bonaldo, R. Boudot, L. Clement, M. Diaz Java, G. Di Rienzo, M. Fellner, F. Gandolfi, C. Giménez, E. Girardet, A. Grassi, S. Ibáñez, L. Maraviglia, O. Moreno, M. Moro, G. Oyarzo, L. Pérez, A. Prieto, E. Romero, G. Ruston, H. Solaligue, P. Villavicencio, V. Colombo, M.E. Dominguez, L. Escur, J. Gutiérrez, S. Hid, F. Rodriguez Forgués, P. Ordoqui, N. Torres, C. Cabrera, *Argentina*
- 150 **INCIDENCE OF CENTRAL NERVOUS SYSTEM METASTASIS IN TWO DIFFERENT POPULATIONS FROM ARGENTINA (PART 2)**
Ignacio Casas Parera, M. Melcom, M. Fernández Pardal, M. Baez, A. Baez, J.M. Cardozo Oliver, E. Rojas Bilbao, L. Giménez, C. Rugilo, I. Tamer, J. Igirio Gamero, J. Tafur Canabal, V. Kuchkaryan, M. Halfon, C. Sánchez Retamar, P. Labal, C. Lozano, I. Aparisi, V. Baró, M. Bonaldo, R. Boudot, L. Clement, M. Diaz Java, G. Di Rienzo, F. Gandolfi, M. Fellner, C. Giménez, E. Girardet, A. Grassi, S. Ibáñez, L. Maraviglia, O. Moreno, M. Moro, G. Oyarzo, L. Pérez, A. Prieto, E. Romero, G. Ruston, H. Solaligue, P. Villavicencio, V. Colombo, M.E. Domingez, L. Escur, J. Gutiérrez, S. Hid, F. Rodriguez Forgués, P. Ordoqui, N. Torres, C. Cabrera, *Argentina*
- 151 **COMBINATION OF PREOPERATIVE CORTICOSPINAL TRACT TRACTOGRAPHY DATA AND SUBCORTICAL INTRAOPERATIVE STIMULATION ON LESIONS IN OR CLOSE TO PRIMARY MOTOR REGION**
David Netuka, S. Ostry, L. Stejskal, V. Benes, *Czech Republic*
- 152 **COGNITIVE DYSFUNCTION AND ORTHOSTATIC LEG TREMOR WITH OBSTRUCTIVE HYDROCEPHALUS SECONDARY TO SPINAL SCHWANNOMA**
D.-Y. Kwon, S.-B. Koh, K.W. Park, Moon Ho Park, *Republic of Korea*

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- 153 **A CASE OF CEREBRAL GLIOMATOSIS**
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J. Jabang, R. Kleib, M. Thioub, M.S. Diene, M. N'Dour, M.C. Ba,
S.B. Badiane, *Senegal*
- 154 **BONE MARROW METASTASES FROM ANAPLASTIC OLIGODENDROGLIOMA**
Cees Tijssen, I. Evers, L. Beerepoot, *The Netherlands*
- 155 **ATYPICAL TRANSFORMATION IN SACRAL DROP METASTASIS FROM POSTERIOR FOSSA CHOROID PLEXUS PAPILOMA**
Cees Tijssen, M. Stuijvenolt, R. Fleischeuer, J. Verheul, *The Netherlands*
- 156 **ARAC NEUROTOXICITY: PRESENTATION, DIAGNOSIS AND MANAGEMENT**
Jacques Jean Reis, C. Fohrer-Sonntag, E. Schleyer, J.L. Diemann,
C. Tranchant, R. Affi, P. Spencer, *France*
- 157 **CEREBRAL TUMOURS DURING PREGNANCY**
Ernestine Renée Bikono Atangana, M. Thioub, N. Ndoye, A.B. Thiam,
M. Gaye Sakho, D. Ba, K. Toure, M.C. Ba, Y. Sakho, S.B. Badiane, *Senegal*
- 158 **CLINICAL CHARACTERISTICS OF SYMPTOMATIC ISCHEMIC STROKE IN PATIENTS WITH GASTRIC CANCER**
Cheol-Seung Shin, *Republic of Korea*
- 159 **AN UNCOMMON CASE OF PANCREATIC ADENOCARCINOMA WITH LEPTOMENINGEAL METASTASES**
Muneer Abu Snineh, R. Shahien, *Israel*
- 160 **SUCCESSFUL SURGICAL MANAGEMENT OF A POSITIVE PROGESTERONE RECEPTOR (PR+) TUBERCULUM SELLAE MENINGIOMA DURING PREGNANCY WITH FULL RECOVERY OF VISUAL IMPAIRMENT**
F.M. Branco Germiniani, P.V. Staziaki, P.C. Kuenzer Goes, **Felipe Trevisan Matos N6v**
ak, M.C. Lange, E. Garcete Fariña, L.R. Aguiar,
V.H. Flumignan Z6tola, *Brazil*
- 161 **CAVERNOUS SINUS LYMPHOMA REVEALED BY A STATUS EPILEPTICUS**
Ilhame Derouich, A. Najih, Z. Souirti, A. Midaoui, O. Messouak,
M.F. Belahsen, *Morocco*

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- 162 **STROKE AS THE FIRST SIGN OF CANCER DISEASES**
Amina Nakicevic, D. Imamovic, E. Suljic, L. Hebib, A. Alajbegovic,
Bosnia-Herzegovina
- 163 **PARANEOPLASTIC MOTOR NEURON DISEASE (MND) IN A PATIENT
WITH BREAST CANCER**
Rossella Spataro, C. Manno, A.C. Taiello, V. Bono, V. La Bella, *Italy*
- 164 **THE CONDITION OF PATIENTS WITH TUMORS IN CHIASMAL - SELLAR
REGION AFTER SURGICAL TREATMENT**
Marina Grigorjevna Zhestikova, Y.A. Kan, N.P. Shakhvorost, I.I. Sholomov,
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- 165 **ANTI-YO ANTIBODY POSITIVE CEREBELLAR DEGENERATION
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- 166 **PITUITARY PRIMITIVE LYMPHOMA**
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F. Bellakhdar, S. Aidi, M. El Alaoui Faris, *Morocco*
- 167 **MALIGNANT TRANSFORMATION SIX MONTHS AFTER REMOVAL OF
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- 168 **A CASE OF INTRASELLAR MENINGIOMA MIMICKING PITUITARY
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- 169 **PAEDIATRIC INTRAORBITAR AND INTRACRANIAL EPITHELIOID
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S. Ait Benali, *Morocco*
- 170 **SUBACUTE POLYRADICULONEUROTIS REVEALING A LETHAL B
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Fatima Ez-Zahra Mabrouki, M. Chraa, N. Kissani, *Morocco*

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- 172 **LOW DOSE METHOTREXATE INCREASES PROTOPORPHYRIN IX IN GLIOMA CELLS AND THE EFFICACY OF PHOTODYNAMIC THERAPY WITH 5-AMINOLEVULINIC ACID**
Ryokichi Yagi, N. Ikeda, K. Takahashi, Y. Kajimoto, S. Miyatake, T. Kuroiwa, *Japan*
- 173 **PLASMOCYTOMA MENINGEALIS. LEUCOENCEPHALOPATHIA TOXICA. HYPACUSIS SENSORINEURALIS GRADUS GRAVIS - CASE REPORT**
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- 174 **NEOPLASTIC MENINGITIS FROM GLIOBLASTOMA**
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- 175 **ABOUT AN UNUSUAL FORM OF PITUITARY MACROADENOMA**
Amal Touiti, G. El Mghari, N. El Ansari, *Morocco*
- 176 **MULTIPLE MYELOMA REVEALED BY HERPES ZOSTER AND SPINAL CORD COMPRESSION IN A 36-YEAR-OLD CAMEROONIAN: A CASE REPORT**
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- 177 **INTRACRANIAL MENINGIOMA MANIFESTING AS TRANSIENT ISCHEMIC ATTACK - CASE REPORT**
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NEUROGENETICS AND GENE THERAPY

- 178 **A GENETICALLY PROVEN ENDOGLIN MUTATION IN HEREDITARY HEMORRHAGIC TELANGIECTASIA TYPE 1 IN A 29 YEAR-OLD FILIPINA: (RENDU-OSLER-WEBER DISEASE: A CASE REPORT)**
Ross Allan Mariano Mendoza, G.D.V. Dayrit, M.D. Dizon, L.F. Damian, F.F. Natividad, *Philippines*

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- 179 **AN AUTOSOMAL RECESSIVE LEUCOENCEPHALOPATHY WITH ISCHEMIC STROKE, DYSMORPHIC SYNDROME AND RETINITIS PIGMENTOSA MAPS TO CHROMOSOME 17Q24.2-25.3**
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- 180 **A NOVEL REFSUM-LIKE DISORDER: CLINICAL AND GENETIC STUDY OF THREE ALGERIAN FAMILIES**
Abderrahim M'zahem, T. Fiskerstrand, A. Fekraoui, N. Taghane, N. Abadi, M. Koenig, A. Hamri, *Algeria*
- 181 **TUNISIAN STRÛMPELL-LORRAIN DISEASE: PHENOTYPIC AND GENETIC SPECIFICITIES**
Amir Boukhris, G. Stevanin, I. Feki, M. Damak, E. Turki, M.I. Miladi, A. Brice, C. Mhiri, *Tunisia*
- 182 **SPINAL MUSCULAR ATROPHY TYPE IV: PREVALENCE OF DELETION SMN GENE IN A MOROCCAN STUDY**
Mounia Alhyan, A. Benomar, A. Bouhouche, N. Bouslam, W. Regragui, E.H. Ait Ben Haddou, M. Yahyaoui, *Morocco*
- 183 **CLINICO-GENETIC CORRELATION OF 78 INDIAN SCA2 FAMILIES**
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- 184 **CHOLECYSTOKININ, CHOLECYSTOKININ RECEPTORS TYPE 1 AND TYPE 2 GENES POLYMORPHISM IN PATIENTS WITH PANIC DISORDER**
Yulia Azimova, L. Korobeynikova, E. Klimov, N. Fokina, G. Tabeeva, *Russia*
- 185 **GENOME WIDE ASSOCIATION STUDY IN CERVICAL DYSTONIA**
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- 186 **DESCRIPTION OF AN ITALIAN FAMILY WITH IDIOPATHIC INFANTILE NYSTAGMUS**
Domenico Italiano, G. Buonomo, S. Marino, P. Bramanti, *Italy*
- 187 **SPASTIC PARAPLEGIA WITH THIN CORPUS CALLOSUM (SPG11) ASSOCIATED WITH MAJOR CEREBRAL, CEREBELLAR AND MEDULLAR ATROPHY**
Khalid Hamid El Hachimi, P.S. Denora, C. Casali, F. Zolfanelli, E. Mundwiller, A. Brice, E. Bertini, G. Stevanin, *France*

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- 188 **MITOCHONDRIAL NEURO-GASTRO-INTESTINAL ENCEPHALOPATHY (MNGIE) DISEASE: ABOUT TWO CASES IN THE SAME FAMILY**
Wahiba Amer El Khedoud, F. Ferrat, N. Zemmouchi, F. Ramdane Cherif, A. Slama, A. Munnich, A. Chaouch, M. Chaouch, *Algeria*
- 189 **CMT (CHARCOT MARIE TOOTH) DISEASE IN FRENCH REUNION ISLAND: PHENOTYPES AND GENOTYPES**
Claude Mignard-Moy de Lacroix, M. Renouil, D. Mignard, M.L. Jacquemont, P. Latour, *France*
- 190 **AUTOSOMAL RECESSIVE CEREBELLAR ATAXIAS: TUNISIAN SPECIFICITIES**
Amin Kharrat, A. Boukhris, M. Damak, E. Turki, M.I. Miladi, I. Feki, G. Stevanin, A. Brice, C. Mhiri, *Tunisia*
- 191 **SCA3 GENE MODIFIES THE AGE AT ONSET IN SPINOCEREBELLAR ATAXIA TYPE 2 CUBAN PATIENTS**
L. Almaguer-Mederos, Y. González-Zaldivar, J. Laffita-Mesa, D. Cuello-Almarales, D. Almaguer-Gotay, Raúl Aguilera-Rodríguez, G. Auburger, *Cuba*
- 192 **HEREDITARY SPASTIC PARAPLEGIA WITH THIN CORPUS CALLOSUM: FURTHER CLINICAL AND GENETIC CHARACTERIZATION OF SPG11 IN MOROCCAN FAMILIES**
Naima Bouslam, E. Mundwiller, A. Bougteba, W. Regragui, J. Aasfara, G. Stavanin, A. Bouhouche, A. Benomar, M. Yahyaoui, *Morocco*
- 193 **A NEW GDAP1 MUTATION FOR AUTOSOMAL RECESSIVE AXONAL FORM OF CHARCOT MARIE TOOTH**
Amina Gargouri Berrechid, I. Kacem, Y. Hizem, I. Abdelkefi, M. Ben Djebara, E. Le Guern, R. Gouider, *Tunisia*
- 194 **INFANTILE NEUROAXONAL DYSTROPHY: 2 CONFIRMED TUNISIAN CASES**
Hedia Klaa, I. Kraoua, H. Benrhouma, A. Rouissi, I. Turki, N. Gouider-Khouja, *Tunisia*
- 195 **COMPARATIVE STUDY OF A SERIES OF 20 PATIENTS OF FRIEDREICH ATAXIA AND 16 PATIENTS OF ATAXIA WITH VITAMINE E DEFICIENCY**
Farida Ferrat, W. Amer El Khedoud, N. Zemmouchi, S. Bensemmane, T. Benhassine, R. Amouri, M. Koenig, A. Chaouch, M. Chaouch, *Algeria*

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- 196 **A NOVEL MUTATION IN THE ATM GENE IN A MALIAN FAMILY WITH ATAXIA TELANGIECTASIA**
Guida Landoure, F. Mochel, K. Meilleur, M. Sangare, M. Ly, T. Coulibaly, S. Coulibaly, C.O. Guinto, M. Traore, K. Fischbeck, *Mali, USA*

SLEEP DISORDERS

- 197 **COMPARISON OF INTERFERENCE OF HYPERTENSION AND SLEEP DISORDERS AMONG NORMAL ADULT POPULATION AND REFUGEES**
Sopio Kapianidze, M. Janelidze, M. Beridze, M. Jibladze, L. Chinchaladze, N. Akiashvili, M. Kapianidze, T. Maisuradze, *Georgia*
- 198 **THE ROLE OF THE SLEEP DEPRIVATION IN TRAFFIC SAFETY: MEDICOLEGAL PERSPECTIVE**
Henry J. Moller, *Canada*
- 199 **THE EFFECTS OF HERBAL MEDICIN AND HOMEOPATHIC REMEDY ON INSOMNIA**
Shirin Hejazi, S.A. Hosseini Tehrany, M.H. Salehi Sormaghi, M. Sharifi, *Iran*
- 200 **BORRELIOSIS - CAUSE OF OBSTRUCTIVE SLEEP APNEA SYNDROME.COMPARISON WITH "NORMAL" OSAS**
Antje Buettner-Teleaga, *Republic of Korea*
- 201 **TIBIAL NERVE F-WAVE DURATION IN CONFOUNDING CONDITIONS OF RESTLESS LEGS SYNDROME ("MIMICS")**
Mitsuo Kodama, *Japan*
- 202 **QUALITY OF LIFE IN PATIENTS WITH RESTLESS LEGS SYNDROME IN KOREA; COMPARISON TO THE PATIENTS WITH OTHER CHRONIC DISEASES**
Yong Won Cho, D.H. Kim, W.C. Shin, C.J. Earley, R.P. Allen, *Republic of Korea*
- 203 **MULTI-MUP ANALYSIS OF PALATAL MUSCLES IN PATIENTS WITH OSAS AND CONTROL SUBJECTS**
Gulcin Benbir, F. Karaali-Savrun, R. Sahin, H. Kaynak, A. Kaytaz, D. Karadeniz, *Turkey*

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- 204 **EFFECT OF ANTIPILEPTIC DRUGS ON SLEEP**
M. Ossama Abdulghani, T. Kamel, L. Nabil, T. Asaad, M. Hemeda, N. Salah,
Egypt
- 205 **THALAMIC STIMULATION MAY BENEFIT PERIODIC LIMB MOVEMENTS OF SLEEP**
Virgilio Gerald H. Evidente, P.J. Lyng, J.N. Caviness, M.K. Lyons, *USA*
- 206 **DESCRIPTORS OF RESTLESS LEGS SYNDROME SENSATIONS**
Sam Kerr, W. McKinon, A. Bentley, *South Africa*
- 207 **DEPRESSION AND ANXIETY DISORDER IN COMORBIDITY OF OSAS AND THE EFFECTS OF CPAP TREATMENT ON QUALITY OF LIFE**
Gulcin Benbir, S. Mehmetali, A. Çetin, M. Emül, D. Karadeniz, I. Balcioglu,
Turkey
- 208 **A NOCTURNAL POET!**
Meriem Nemaoui, A. Satté, J. Mounach, H. Ouhabi, *Morocco*
- 209 **THE IMPACT OF OBSTRUCTIVE SLEEP APNEA ON ALZHEIMER'S DISEASE: A PROSPECTIVE STUDY**
Walter Moraes, D. Poyares, L. Sukys, M.T. de Mello, S. Tufik, *Brazil*
- 210 **INSOMNIA IN FLIGHT CREW**
Jamal Mounach, A. Satté, A. Zerhouni, Y. Ouahmane, J. Kasouati, M. Nemmaoui, A. El brini, H. Ouhabi, *Morocco*
- 211 **HEALTH EFFECTS OF NOISE POLLUTION ON SLEEPING**
M. Ihsan Kaadan, *Syria*
- 212 **SENSORY SYMPTOMS OF RESTLESS LEGS SYNDROME (RLS) COULD CHANGE WITH SEASONAL / TEMPERATURE DIFFERENCE**
Yasunori Oka, Y. Watari, S. Tominaga, *Japan*
- 213 **KLEINE-LEVIN SYNDROME: A MOROCCAN CASE STUDY**
Hicham El Otmani, M.A. Rafai, F. Moutaouakil, B. El Moutawakil, I. Slassi,
Morocco
- 214 **BENIGN NOCTURNAL ALTERNATING HEMIPLAGIA OF CHILDHOOD: A CASE STUDY AND LITERATURE REVIEW**
Fettouma Moutaouakil, H. El Otmani, H. Fadel, I. Slassi, *Morocco*

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- 215 **LATE-ONSET ONDINE SYNDROME: A REPORT OF A CASE IN A 54-YEAR OLD ADULT**
Victor Sini, M. Boone, R. Roos-Weil, A.K. Njamnshi, *Cameroon*

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- 216 **FOLLOW- UP STUDY OF HIPPOCAMPAL VOLUME IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT USING A SEMI-AUTOMATIC INDIRECT MR METHOD**
Beata Sawicka, W. Lojkowska, H. Sienkiewicz-Jarosz, A. Bochyńska, R. Boguslawska, M. Gugala, D. Ryglewicz, *Poland*
- 217 **A CASE OF SUCCESSFUL THROMBOLYSIS FOR ISCHAEMIC STROKE IN THE PRESENCE OF A LARGE ABDOMINAL AORTIC ANEURYSM**
Esme Oliver-Hobley, L. Al-Dhahir, *UK*
- 218 **KLEINE-LEVIN SYNDROME (KLS): EPISODIC HYPERSOMNIA, HYPERPHAGIA, AND HYPERSEXUAL BEHAVIOR IN A 21 YEAR OLD MALE OF FILIPINO DESCENT**
Marc Capobianco, D. Hurst, *USA*

POSTER SESSION 4: AUTONOMIC DISORDERS

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- 1 **POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME OF POSTPARTUM - ABOUT 3 CASES**
Jawad Oumerzouk, Y. Hssaini, A. Semlali, A. Jouehari, A. Bourazza, *Morocco*
- 2 **POSTERIOR REVERSIBLE ENCEPHALOPATHY: ABOUT FIVE CASES**
Jawad Oumerzouk, A. Jouehari, A. Semlali, Y. Hssaini, A. Bourazza, *Morocco*
- 3 **LOCAL BRAIN-COOLING INCREASES PERIPHERAL SYMPATHETIC AND CARDIOVAGAL ACTIVITY**
Julia Koehn, C.L. Cimpianu, B. Kallmünzer, R. Kollmar, E. Pauli, S. Moeller, M.J. Hiltz, *Germany*
- 4 **EVALUATION OF AUTONOMIC MODULATION OF PUPILLARY DIAMETER BY PHARMACOLOGICAL BLOCKADE**
Max J. Hiltz, C.L. Cimpianu, A. Tillmann, S. Riss, S. Moeller, P. DeFina, J. Koehn, *Germany, USA*
- 5 **APPLICATION OF THE AUTONOMIC SYMPTOM PROFILE TEST TO TRIGEMINAL-AUTONOMIC CEPHALALGIAS**
José Antonio Monge-Argilés, M. Ruiz-Vegara, S. Martí-Martínez, J. Sánchez-Payá, E. Khabbaz-Cañavate, C. Leiva-Santana, *Spain*
- 6 **FREQUENCY AND CLINICAL PATTERN OF AUTONOMIC NEUROPATHY AMONG ADULT DIABETIC SUDANESE PATIENTS**
A. Hussein, **Amira Sidig**, *Sudan*
- 7 **POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME; SINGLE CENTER RETROSPECTIVE STUDY**
Jong Kuk Kim, D.H. Kim, S.-H. Choi, *Republic of Korea*
- 8 **THE FREQUENCY OF DIABETIC RETINOPATHY AMONG SUDANESE PATIENTS WITH DIABETIC AUTONOMIC NEUROPATHY**
Ala Aldin, A. Hussein, A. Sidig, A. Awadelbari Ahmed, *Sudan*
- 9 **THE PRESENCE OF DIABETIC CARDIOVASCULAR AUTONOMIC NEUROPATHY AMONG SUDANESE ADULT DIABETIC PATIENTS WITH ISCHEMIC HEART DISEASE**
A. Hussein, A. Sidig, **Mubark Ibrahim**, *Sudan*

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- 10 **AUTONOMIC DYSFUNCTIONS IN YOUNG OBESE ADULTS WITH FAMILY HISTORY OF TYPE 2 DIABETES MELLITUS**
Daniela Matei, B. Ignat, C.D. Popescu, *Romania*
- 11 **AUTONOMIC NERVOUS SYSTEM INVOLVED DURING MUSLIM PRAYER IN PRIMARY HYPERTENSIVE PATIENTS COMPARED TO NORMOTENSIVE SUBJECTS**
Youssef Radjab, H. Benjelloun, H. Rkain, L. Erguig, A. Belaguid, F.Z. Milouk, L. Coghlan, M. Bekkali, T. Dakka, S. Aboudrar, *Morocco*
- 12 **POSTURAL ORTHOSTATIC SYNDROME MIMICKING SIC SINUS SYNDROM - CASE REPORT**
Bogdan Obszanski, E. Papuc, M. Tutaj, K. Obszanska, A. Slowik, Z. Stelmasiak, A. Kleinrok, *Poland*
- 13 **CARDIOVASCULAR AUTONOMIC REFLEXES IN PRIMARY HYPERTENSIVE PATIENTS TREATED WITH AMLODIPINE**
Youssef Radjab, S. Aboudrar, F.Z. Milouk, M. El Bakkali, L. Coghlan, H. Benjelloun, *Morocco*
- 14 **ENDOSCOPIC THORACIC SYMPATHICOTOMY FOR THE TREATMENT OF COMPLEX REGIONAL PAIN SYNDROME**
Joao Bosco Vieira Duarte, D.F. Magalhaes Duarte, G.M. Duarte, *Brazil*
- 15 **THE STUDING OF AUTONOMIC HOMEOSTASIS IN YOUNG PATIENTS WITH CERVICAL OSTEONHONDROSIS**
Nataliya Alexandrovna Nekrasova, I.A. Grygorova, *Ukraine*
- 16 **AUTONOMIC DYSFUNCTION RELATED TO THE MICROELEMENT DISBALANCE IN CHILDREN FROM URBAN AREAS WITH HIGH TECHNOGENIC LOAD**
Svitlana Tymchenko, A. Negerish, E. Evstafyeva, *Ukraine*

MS AND RELATED DISEASES

- 17 **A CASE OF MULTIPLE SCLEROSIS ASSOCIATED WITH CHRONIC MYELOGENOUS LEUKEMIA**
Roya Abolfazli, B. Siroos, *Iran*
- 18 **A CASE SERIES OF CHRONIC RELAPSING INFLAMMATORY OPTIC NEUROPATHY (CRION)**
Jose Flores Rivera, J. Flores, T. Sánchez, T. Corona, *Mexico*

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- 19 **CLINICAL PROFILE OF MULTIPLE SCLEROSIS PATIENTS IN MONGOLIA**
D. Munhjargal, B. Undarmaa, Luvsannorov Otgonbayar, *Mongolia*
- 20 **DEMYELINATING DISEASES AND MULTIPLE SCLEROSIS IN ARMENIA: AN EMERGING PROBLEM**
Avetis Y. Avetisyan, A.Y. Sahakyan, M.E. Hakobyan, E.M. Gevorgyan, H.M. Manvelyan, *Armenia*
- 21 **ANTI-JCV ANTIBODY PREVALENCE ACROSS A MULTINATIONAL COHORT OF MULTIPLE SCLEROSIS PATIENTS**
Per S. Sorensen, A. Achiron, L. Alfredsson, A. Chan, G. Comi, J. Hillert, L. Muiola, T. Olsson, A. Oturai, J. Potts, C. Hotermans, T. Plavina, D. Paes, M. Subramanyam, *Denmark*
- 22 **PEDIATRIC ONSET MULTIPLE SCLEROSIS IN BLIDA -ALGERIA**
Rabah Draï, M. Arezki, *Algeria*
- 23 **AQUAPORIN-4 MRNA EXPRESSION IS GREATEST IN CNS TISSUES MOST SUSCEPTIBLE TO NEUROMYELITIS OPTICA PATHOLOGY**
Marcelo Matiello, J. Schaefer-Klein, D. Sun, B. Weinschenker, *USA*
- 24 **DEMOGRAPHIC AND CLINICAL CHARACTERISTICS OF MULTIPLE SCLEROSIS IN ALGERIA**
Nassima Hecham, S. Nouioua, Y. Sifi, N. Toubal, F. Berkane, L. Ait Aissa, N. Oudrer, A. Aidi, D. Betsi, A. Hamri, S. Abrouk, M. Tazir, *Algeria*
- 25 **ASSOCIATION BETWEEN THE PREVALENCE OF MULTIPLE SCLEROSIS AND ENVIRONMENTAL FACTORS IN LATIN AMERICA AND THE CARIBBEAN: AN ECOLOGICAL STUDY**
Mario Oscar Melcon, C.N. Ketzoian, GEEMAL, *Argentina*
- 26 **LATE ONSET MULTIPLE SCLEROSIS**
Eva Brandão, A. Carvalho, J. Guimarães, J. Reis, P. Abreu T. Mendonça, M.J. Sá, *Portugal*

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- 27 **DEMOGRAPHIC, CLINICAL MANIFESTATIONS AND COURSE OF MULTIPLE SCLEROSIS A RETROSPECTIVE STUDY**
El Hachmia Ait Ben Haddou, M. Alhyan, M.F. Belahcen, A. Benomar, A. Bourazza, N. Chtaou, N. Daoudi, I. Derouich, L.K. El Alaoui Taoussi, M. El Hassani, Y. Hsaini, O. Messouak, J. Mounach, H. Ouhabi, J. Oumerzouk, A. Satte, Z. Souirti, W. Rezagui, A. Ibrahim, R. Abouqual, M. Yahyaoui, Moroccan Multiple Sclerosis Study Group, *Morocco*
- 28 **MULTIPLE SCLEROSIS IN GHANA?**
Albert Akpalu, P. Adjei, K. Nkromah, X. Song, P. Nyame, *Ghana*
- 29 **MULTIPLE SCLEROSIS IN SRI LANKA - A SOUTH ASIAN REGIONAL COMPARISON**
Bimsara Senanayake, *Sri Lanka*
- 30 **CLINICAL, PARACLINICAL AND EVOLUTING PROFILE OF MULTIPLE SCLEROSIS: ABOUT A SERIES OF 261 PATIENTS**
Mohamed Reda Belkhibchia, F. Dany, A. Araqi Houssaini, S. Lezaar, H. Elotmani, B. El Moutawakil, M.A. Rafai, I. Slassi Sennou, *Morocco*
- 31 **THE CLINICAL INAUGURAL MANIFESTATIONS OF RELAPSING-REMITTING MULTIPLE SCLEROSIS: STUDY OF 208 CASES**
Youssef Benmansour, S. Oumari, S. Manaf, S. Lezaar, H. El Otmani, B. El Moutawakil, M.A. Rafai, I. Slassi, *Morocco*
- 32 **NEUROMYELITIS OPTICA: STUDY OF 31 CASES**
Salwa Oumari, Y. Benkadir, Y. Benmansour, S. Lezaar, K. Zaghloul, A. Amraoui, H. El Otmani, B. El Moutawakil, M.A. Rafai, I. Slassi, *Morocco*
- 33 **MULTIPLE SCLEROSIS AND HYPOVITAMINOSIS D IN MOROCCO**
Adil Araqi Houssaini, S. Manaf, S. Oumari, H. Elotmani, B. El Moutawakil, M.A. Rafai, I. Slassi, *Morocco*
- 34 **SCALABLE PROFILE OF MULTIPLE SCLEROSIS IN ALI AIT IDR NEUROLOGY SERVICE**
Chahrazed Linda Maguenouche, R. Benalia, N. Chebine, M. Saadibelouiz, M. Ait Kaci Ahmed, S. Makri, *Algeria*
- 35 **EPIDEMIOLOGY OF MULTIPLE SCLEROSIS IN NORTH AFRICA**
Riadh Gouider, M. Arezki, A.N. Masmoudi, C. Mhiri, M. Yahiaoui, A. Benomar, M. Dammak, H. Draï, Y. Sidhom, *Tunisia*

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- 36 **VITAMIN D AND MULTIPLE SCLEROSIS - A PROSPECTIVE SURVEY OF 50 MOROCCAN PATIENTS**
Ouarda El Ouali, M. El Machkour, A. Zaam, Z. Souirti, F. Belahsen, O. Messouak, *Morocco*
- 37 **THERAPEUTIC EFFECT OF FASUDIL ON EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS (EAE) MICE BY REGULATING INF- γ , IL-10 AND IL-17**
Cun-Gen Ma, J.-Z. Yu, H.-J. Duan, N. Ji, M.-F. Guo, Y.-S. Sun, L. Feng, J.-J. Huang, B.-G. Xiao, Neuroimmunology Group, *China*
- 38 **THE ROLE OF ASTROCYTES IN AN ANIMAL MODEL OF MULTIPLE SCLEROSIS GREY MATTER DEMYELINATION**
David Bargiela, C. Gardner, R. Reynolds, *UK*
- 39 **AGE-ASSOCIATED ALTERATIONS OF MONOAMINE OXIDASE, MEMBRANE FLUIDITY, NEUROLIPOFUSCIN AND GLUCOSE TRANSPORTER IN MALE RAT BRAIN: NEUROPROTECTIVE ROLE OF DEHYDROEPIANDROSTERONE**
Pardeep Kumar, R.K. Kale, N.Z. Baquer, *India*
- 40 **AN INVESTIGATION OF THE RETINAL NERVE FIBER LAYER IN MULTIPLE SCLEROSIS BY USING OPTICAL COHERENCE TOMOGRAPHY**
H. Fidranska, D. Frdlikova, S. Kozlerova, Jiri Fiedler, *Czech Republic*
- 41 **CENTRAL NERVOUS SYSTEM IMAGING IN MULTIPLE SCLEROSIS**
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- 42 **BALÓ S CONCENTRIC SCLEROSIS - CASE REPORTS**
V. Hancinova, L. Lisy, Denis Richter, S. Belan, M. Satko, I. Borsky, *Slovak Republic*
- 43 **ATYPICAL CLINICAL AND IMAGIOLOGICAL MANIFESTATIONS CONFOUNDING THE DIAGNOSIS OF MS - TWO CASE REPORTS**
Marisa Tavares Brum, A.M. Romeiro, P. Santos, R. Guerreiro, M.P. José, *Portugal*

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- 44 **IMAGING OF PSEUDOTUMORAL MULTIPLE SCLEROSIS ABOUT 7 CASES**
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- 45 **CORRELATION BETWEEN MRI FINDINGS AND BAD PROGNOSTICS FEATURES AMONG SUDANESE PATIENTS WITH MULTIPLE SCLEROSIS**
Abbashar Hussein, I. Adin Ali, K. Kalafila, A. Younis, A. Hamad, O. El-Adil, A. Sidig, M. Malikaldar, *Sudan*
- 46 **GREY MATTER PATHOLOGY IN MULTIPLE SCLEROSIS: ABOUT 182 PATIENTS**
Sihem Ben Nsir, M. Damak, E. Turki, A. Boukhris, M.I. Miladi, I. Feki, C. Mhiri, *Tunisia*
- 47 **RADIOLOGICALLY ISOLATED SYNDROME AND CEREBRAL ARTERIO-VEINOUS MALFORMATION: SIMPLE CO-OCCURRENCE OR SEQUENTIAL?**
Gentian Kaloshi, F. Dashi, E. Enesi, G. Vreto, M. Petrela, *Albania*
- 48 **DEVIC'S SYNDROME, SYRINGOMYELOBULBITIS AND POSITIVE ANTI-AQUAPORIN -4 ANTIBODIES IN THE CSF DURING A SJOGREN'S SYNDROME**
Lamia Raji, H. El Otmami, M.R. Belkhibchia, B. El Moutawakil, M.A. Rafai, I. Slassi, *Morocco*
- 49 **DETERMINATION OF REGIONAL CALLOSAL AND CINGULATE GYRUS ATROPHY IN EARLY STAGES OF RELAPSING-REMITTING MULTIPLE SCLEROSIS**
Carolina Medeiros Rimkus, T.F. Junqueira, D. Callegaro, M.C.G. Otaduy, C.C. Leite, *Brazil*
- 50 **DELINEATING THE DE NOVO METHYLATION PATTERN OF THE ATAXIN-2 PROMOTER**
J.M. Laffita Mesa, D. Almaguer Gotay, L. Peña-Serrano, Peter Bauer, D. Coello Almarales, L.C. Velázquez Pérez, *Japan*
- 51 **GROWTH FACTOR AND INSULIN-LIKE GROWTH FACTOR 1 IN MULTIPLE SCLEROSIS PATIENTS**
Maira Gironi, C. Meazza, M. Vaghi, C. Solaro, M. Mini, M. Rovaris, A. Batocchi, M. Zaffaroni, R. Nemni, A. Angelini, M. Bozzola, *Italy*

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- 52 **A RELATIONSHIP BETWEEN OXIDATIVE STRESS AND GLUTAMATE UPTAKE IMPAIRMENT IN MULTIPLE SCLEROSIS**
Maira Gironi, C. Zoia, M. Vaghi, E. Mariani, C. Cursano, L. Mendozzi, V. di Stolfo, M. Rovaris, R. Nemni, G. Cavaletti, C. Ferrarese, *Italy*
- 53 **VARIABILITY OF DEBUT OF DISSEMINATED SCLEROSIS AT PATIENTS LIVING IN AN INDUSTRIAL CITY**
Ekaterina Dmitrievna Vasenina, M.G. Zhestikova, E.E. Vasenina, S.D. Komissarova, I.I. Neprintseva, N.N. Volodina, N.A. Korotkevich, *Russia*
- 54 **SEVERE PULMONARY ARTERIAL HYPERTENSION POSSIBLY DUE TO INTERFERON BETA I A THERAPY FOR MULTIPLE SCLEROSIS: FIRST CASE REPORT**
Kamel Masmoudi, F. Trojette, H. Masson, V. Gras-Champel, P. Fry, G. Simonneau, M. Andrejak, *France*
- 55 **NEUROSARCOIDOSIS**
Hajer Derbali, L. Rais, E. Farhat, A. Riahi, J. Zaouali, R. Mrissa, *Tunisia*
- 56 **RESPONSE TO DISEASE MODIFYING THERAPIES IN AFRICAN-AMERICAN POPULATION WITH MULTIPLE SCLEROSIS IN SOUTH CAROLINA**
Sylvia Klineova, J. Nicholas, A. Walker, *USA*
- 57 **OUTCOME OF BETA INTERFERON 1 ALPHA THERAPY IN MULTIPLE SCLEROSIS PATIENTS FROM INDIA**
Sivakumar Mambakkam Rajappa, *India*
- 58 **CAUSE OF DEATH IN MULTIPLE SCLEROSIS PATIENTS FROM THE 21-YEAR LONG-TERM FOLLOW-UP STUDY**
George C Ebers, G. Cutter, M. Rametta, A.T. Reder, D.S. Goodin, M. Kremenchutzky, J. Oger, K. Beckmann, V. Knappertz, *UK*
- 59 **SUPPRESSION OF EAE IN MICE TREATED WITH ATORVASTATIN IS RELATED TO DOWNREGULATION OF IFN- γ , RHOA EXPRESSION AND UPREGULATION OF IL-10**
Cun-Gen Ma, J.-Z. Yu, J. Wang, N. Ji, M.-F. Guo, Y.-S. Sun, L. Feng, J.-J. Huang, B.-G. Xiao, *China*

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- 60 **T REGULATORIES (TREGS) AND IL-27 INCREASE AFTER ALEMTUZUMAB TREATMENT IN MS**
Luca Durelli, S. De Mercanti, A. Cucci, G. Contessa, A. Di Liberto, A. Giai Via, D. Taverna, D. Cimino, S. Rolla, V. Bardina, F. Novelli, A. Vladic, M. Kovacevic, V. Brinar, M. Habek, E. Cocco, P. Annovazzi, D. Horáková, I. Kovárová, M. Clerico, *Italy*
- 61 **IDENTIFICATION OF ASTROCYTE-DERIVED IMMUNE SUPPRESSOR FACTOR THAT INDUCES APOPTOSIS OF AUTOREACTIVE T CELLS**
Hideo Hara, Y. Nanri, E. Tabata, S. Mitsutake, T. Tabira, *Japan*
- 62 **LONG-TERM EFFECT OF EARLY TREATMENT WITH INTERFERON BETA-1B AFTER FIRST CLINICAL EVENT SUGGESTIVE OF MS: 8-YEAR OBSERVATIONAL BENEFIT EXTENSION TRIAL**
Gilles Edan, L. Kappos, X. Montalban, C. Polman, M. Freedman, H.-P. Hartung, D. Miller, F. Barkhof, V. Lanius, J. Herrmann, B. Stemper, C. Pohl, R. Sandbrink, D. Pleimes, *France*
- 63 **FULMINANT VARIANTS OF MULTIPLE SCLEROSIS - LOCAL EXPERIENCE AT SHIFA INTERNATIONAL HOSPITAL, ISLAMABAD**
Arsalan Ahmad, N. Mehboob, I.A. Khatri, M. Siddiqui, *Pakistan*
- 64 **SHORT-COURSE ORAL THERAPY WITH CLADRIBINE TABLETS FOR RELAPSING-REMITTING MULTIPLE SCLEROSIS (RRMS) IN CLARITY: SAFETY PROFILE AND FOCUS ON INFECTIONS**
Faycal Hentati, S. Cook, G. Comi, G. Giovannoni, K. Rammohan, P. Rieckmann, P. Soelberg Sørensen, P. Vermersch, D. Bischof, A. Hamlett, N. Kurukulasuriya, on behalf of the CLARITY Study Group, *Tunisia*
- 65 **THE USE OF MONTHLY CYCLOPHOSPHAMIDE (CTX) IN PATIENTS WITH RECURRENT DEMYELINATING DISEASE IS SAFE AND EFFECTIVE**
Jose Flores Rivera, J. Flores, G. Arrambide, S. Gonzalez, P. Rodriguez, G. Mendoza, T. Corona, *Mexico*
- 66 **SAFETY AND EFFICACY OF MITOXANTRONE IN CYPRIOT PATIENTS WITH MULTIPLE SCLEROSIS**
Elena Kkolou, E. Gaglia, J. Toufexis, M. Pantzaris, *Cyprus*

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- 67 **IFNB-1B THERAPY STARTED IN CLINICALLY ISOLATED SYNDROME REDUCES THE EVOLUTION OF PERSISTENT BLACK HOLES ON MRI**
Hanneke Hulst, F. Barkhof, G. Nagtegaal, C. Polman, M. Freedman, H.-P. Hartung, D. Miller, X. Montalban, L. Kappos, G. Edan, D. Pleimes, K. Beckmann, C. Pohl, B. Stemper, R. Sandbrink, *The Netherlands*
- 68 **SAFE AND EFFECTIVE USE OF THE SINGLE-USE INTRAMUSCULAR INTERFERON BETA-1A AUTOINJECTOR IN THE TREATMENT OF MULTIPLE SCLEROSIS**
Kathleen Curnow, D. Tucillo, S. Liu, A. Deykin, J.T. Phillips, *USA*
- 69 **IL17RC AS A NOVEL CANDIDATE AS GENE EXPRESSION MARKER FOR PROGNOSIS OF RELAPSING-REMITTING MULTIPLE SCLEROSIS IN BLOOD**
Brigitte Paap, M. Hecker, I. Kacprzyk, R. Goertsches, O. Kandulski, C. Fatum, D. Koczan, H.-J. Thiesen, U.K. Zettl, *Germany*
- 70 **ANALYSIS OF RISK FACTORS FOR PROGRESSIVE MULTIFOCAL LEUKOENCEPHALOPATHY IN NATALIZUMAB-TREATED MULTIPLE SCLEROSIS PATIENTS**
Gary Bloomgren, S. Richman, C. Hotermans, M. Subramanyam, S. Goelz, A. Natarajan, S. Lee, T. Plavina, J. Scanlon, A.W. Sandroock, C. Bozic, *USA*
- 71 **EFFICACY OF SUBCUTANEOUS INTERFERON B-1A IN PATIENTS WITH A FIRST CLINICAL DEMYELINATING EVENT: SUBGROUPS OF THE REFLEX TRIAL**
M. Freedman, C.H. Polman, N. De Stefano, L. Kappos, F. Barkhof, B.M. Uitdehaag, B. Hennessy, F. Casset-Semanaz, S. Rocak, B. Stubinski, **Giancarlo Comi**, *Italy*
- 72 **CHANGES IN BLOOD CELLS LEVEL IN PATIENTS WITH MULTIPLE SCLEROSIS AFTER CLADRIBINE THERAPY**
Krystyna Mitosek-Szewczyk, Z. Stelmasiak, B. Kołodziejczyk, K. Łobejko, J. Berbecki, M. Nastaj, E. Dworżańska, *Poland*
- 73 **EXCESSIVE INTERFERON ACTIVITY IN A SUBSET OF MULTIPLE SCLEROSIS PATIENTS: PATHWAY AND CLINICAL IMPORTANCE**
Michael Hecker, A. Hundeshagen, B.K. Paap, O. Kandulski, C. Fatum, C. Winkler, C. Angerstein, D. Koczan, H.-J. Thiesen, U.K. Zettl, *Germany*

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- 74 **ASSESSMENT OF EDUCATION THERAPEUTIC TO IMMUNOMODULATORY THERAPIES IN PATIENTS WITH MULTIPLE SCLEROSIS IN AUVERGNE**
N. Bourgois, **Pierre Clavelou**, on behalf Reseau SEP Auvergne, *France*
- 75 **FINAL RESULTS OF THE SAME (SWISS ANALYSIS OF MULTIPLE SCLEROSIS) STUDY COMPARING 4 DISEASE-MODIFYING TREATMENTS FOR MULTIPLE SCLEROSIS**
Martin Traber, C. Gobbi, C. Zecca, M. Linnebank, S. Müller, X. You, R. Meier, E. Borter, *Switzerland*
- 76 **USE OF THE PHYSIOTHERAPY ON THE TREATMENT OF THE SPASTICITY**
Oksana Tondiy, O. Zavalna, *Ukraine*
- 77 **PREDICTORS OF QUALITY OF LIFE AMONG MULTIPLE SCLEROSIS PATIENTS: A COMPREHENSIVE ANALYSIS**
Bassem I Yamout, Z. Issa, A. Herlopian, M. El Bejjani, A. Khalifa, R.H. Habib, *Lebanon*
- 78 **ASSESSMENT OF PAIN, FATIGUE AND QUALITY OF LIFE IN SLOWLY PROGRESSIVE NEURO MUSCULAR DISEASE: A NURSING CHALLENGE**
Angela Gnanadurai, *India*
- 79 **CLINICAL, DEMOGRAPHY AND NATURAL HISTORY OF MULTIPLE SCLEROSIS IN TUNISIA: PROSPECTIVE POPULATION BASED STUDY (PRELIMINARY RESULTS)**
Emna Hentati, I. Bikri, M. Zouari, M. Hsairi, R. Amouri, F. Hentati, *Tunisia*
- 80 **EARLY INTERFERON BETA-1A RESPONSE PREDICTS QOL BENEFIT 15 YEARS LATER IN MULTIPLE SCLEROSIS**
Xiaojun You, R. Bermel, B. Weinstock-Guttman, D. Bourdette, G. Laforet, R. Rudick, *USA*
- 81 **BOTULINUM TOXIN IN THE TREATMENT OF THE TREMOR OF THE HEAD IN PATIENTS WITH MULTIPLE SCLEROSIS (MS)**
Malgorzata Zielinska, *Poland*
- 82 **EFFECTS OF NATALIZUMAB ON BLADDER FUNCTION IN MS: RESULTS FROM THE TRUST STUDY**
Bhupendra Khatri, J. Foley, J. Fink, J. Kramer, X. You, J.D. Warth, C. Cha, *USA*

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- 83 **CLINICAL EFFECT OF FETAL STEM CELLS IN MULTIPLE SCLEROSIS**
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- 84 **QUALITY OF LIFE ASSESSMENT IN PATIENTS WITH ACUTE
DISSEMINATED ENCEPHALOMYELITIS**
I. Lobanova, Olena Myalovitska, *Ukraine*
- 85 **FOOT TAPPING SPEED AS A MEASURE OF DISABILITY IN MULTIPLE
SCLEROSIS**
Joan Ohayon, I. Cortese, K. Fenton, H. Griffith, J. Dwyer, T. Wu, D. Reich,
B. Bielekova, *USA*
- 86 **IMPACT OF INTRAMUSCULAR INTERFERON BETA-1A THERAPY
TIMING AFTER CLINICALLY ISOLATED SYNDROME ONSET ON
QUALITY OF LIFE 10 YEARS LATER**
Xiaojun You, R.P. Kinkel, G. Laforet, R. Hyde, The CHAMPIONS
Investigators Group, *USA*
- 87 **EPILEPSY AND MULTIPLE SCLEROSIS**
Zahira Barka Bedrane, *Algeria*
- 88 **PEDIATRIC MULTIPLE SCLEROSIS: A CHALLENGING DEMYELINATING
DISEASE.CASE REPORT AND BRIEF REVIEW OF THE LITERATURE**
L.C. Meguins, F.D. Lima, Regina Célia Ajeje Pires Albuquerque,
R.S.L. Paula, M.M.C.M. Brito, J.R.L.F. Júnior, *Brazil*
- 89 **COGNITIVE AND NEUROIMAGING PROFILE OF A BRAZILIAN FAMILY
WITH CADASIL**
Julio Cesar Vasconcelos da Silva, E.L. Gasparetto, C. André, *Brazil*
- 90 **VITAMINS E AND C PREVENT MEMORY IMPAIRMENT CAUSED BY
CHRONIC VARIABLE STRESS IN RATS**
B. Tagliari, E.B. Scherer, F.R. Machado, A.G. Ferreira, C. Dalmaz,
Angela T.S. Wyse, *Brazil*
- 91 **SELF AWARENESS AND DEFICIT RECOGNITION IN MULTIPLE
SCLEROSIS**
Edgardo Reich, E. Arias, M. Carlino, C. Torres, M. Kerszberg, *Argentina*

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- 92 **THE EFFECT OF ANTIDEPRESSIVE AND ANTIPSYCHOTIC DRUGS ON CHEWING FUNCTION**
Simone Cecilio Hallak Regalo, M. Vitti, M. Semprini, C. Regalo, L.G. Sousa, J.P. Pinto, J.P.M. Oliveira, R.H. Oliveira, J.E.C. Hallak, *Brazil*
- 93 **SCHIZOPHRENIA AND AFFECTIVE DISORDERS - EMG MASTICATORY MUSCLES ANALYSIS**
Simone Cecilio Hallak Regalo, R.H. Oliveira, F.D.L. Osório, M. Vitti, C. Regalo, M. Semprini, S. Siéssere, J.E.C. Hallak, *Brazil*
- 94 **COGNITIVE IMPAIRMENT IN SYSTEMIC LUPUS ERYTHEMATOSUS**
Krzysztof Slotwinski, M. Szmyrka-Kaczmarek, M. Koszewicz, S. Budrewicz, P. Szewczyk, R. Podemski, *Poland*
- 95 **PSYCHOSOCIAL PROBLEMS, QUALITY OF LIFE AND CAREGIVER BURDEN AMONG STROKE CAREGIVERS IN INDIA**
Rinu Susan Raju, P. Kaur, J. Pandian, *India*
- 96 **CORTICAL DEMENTIA IN MULTIPLE SCLEROSIS**
Sara Teziti, M. Benabdeljlil, F. Boutbibe, M. Rahmani, S. Bellamine, S. Aïdi, M. El Alaoui Faris, *Morocco*
- 97 **ASSOCIATION BETWEEN BIPOLAR DISORDER AND MULTIPLE SCLEROSIS**
Youssef Sidhom, A. Gargouri-Berrechid, I. Ben Arbia, M. Ben Djebara, Y. Hizem, R. Gouider, *Tunisia*

NEUROMETABOLIC DISORDERS/NEUROTOXIOLOGY

- 98 **CISPLATIN-RELATED REVERSIBLE POSTERIOR LEUKOENCEPHALOPATHY SYNDROME IN A 37-YEAR-OLD FILIPINA: (A CASE REPORT AND REVIEW OF LITERATURE)**
Ross Allan Mariano Mendoza, L.F. Damian, *Philippines*
- 99 **MELAS SYNDROME: REPORT OF TWO CASES AND REVIEW OF THE LITERATURE**
M. Lahmar, **Anis Riahi**, E. Farhat, H. Derbali, J. Zaouali, R. Mrissa, *Tunisia*
- 100 **EFFECTS OF VITAMIN E ON CENTRAL NEURAL DEVELOPMENT OF FETUSES OF DIABETES-INDUCED RATS**
M. Shojaei, **Shirin Jamal Omid**, *Iran*

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- 101 **A CASE OF CENTRAL PONTINE MYELINOLYSIS IN AN ALCOHOLIC PATIENT DESPITE THE SLOW CORRECTION OF HYPONATREMIA**
Djibril Soumah, M. Aghasaryan, S. Bengoura, W. Kamga, L. Coeroli, T. Al Tarcha, A. Abdelmoumni, *France*
- 102 **AN EPIDEMIC OF PSYCHOSIS IN A SUDANESE VILLAGE**
Osheik Abu'Asha Seidi, E.M. Abdelmotaal, M. El Karsani, I. Bushara, S. El Tahir, A. Al Mahjoub, A.A. Mohamed, H.H. Abu Aisha, *Sudan*
- 103 **NEUROLOGICAL MANIFESTATIONS OF VITAMIN B12 DEFICIENCY**
Sanaa Tazrout, E.H. Ait Ben Haddou, W. Regragui, A. Ibrahimi, A. Benomar, M. Yahyaoui, *Morocco*
- 104 **BRAKE FLUID TOXICITY FEIGNING BRAIN DEATH**
Shahpar Nahrir, K.A. Siddiqui, S. Sinha, *Saudi Arabia*
- 105 **LESCH-NYHAN SYNDROME IN A GYPSY BOY FROM SLOVAKIA - A NEW SPLICING MUTATION IN HPRT1 GENE AND A GENOTYPE-PHENOTYPE REFERENCE**
Jana Behunova, J. Ferenczova, L. Stolnaja, H. Vlaskova, L. Dvorakova, L. Podracka, *Slovak Republic*
- 106 **TOXIC DAMAGES OF BASAL GANGLIA**
Imane Traibi, Z. Souirti, A. Midaoui, F. Belahsen, O. Messouak, *Morocco*
- 107 **X -LINKED ADRENOLEUCODYSTROPHY IN MOROCCO: RESULTS OF FAMILY SCREENING**
Yamna Kriouile, F.Z. Madani Benjelloun, A. Gaouzi, L. Chabraoui, *Morocco*
- 108 **NEUROLOGIC IMPAIRMENT AS THE PRESENTING FORM IN WILSON'S DISEASE, A STUDY ABOUT FOUR CASES**
Anis Riahi, M. Mansour, S. Ben Younes, C. Rachdi, J. Zaouali, R. Mrissa, *Tunisia*
- 109 **BILATERAL OPTIC NEUROPATHY DUE TO MUSHROOM POISONING - REPORT OF ONE CASE**
Surena Nazarbaghi, *Iran*
- 110 **VALUE OF BONE MARROW EXAMINATION OF NEURO-METABOLIC DISEASES**
Nadia Ben Ali Abassi, H. Mrabet-Khiari, M. Msalmani, A. Mrabet, *Tunisia*

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- 111 **COMPLETE CLINICAL RECOVERY OF A PATIENT WITH
EXTRAPONTINE MYELINOLYSIS: A CASE REPORT**
Lorand Sakalas, V. Suknjaja, A. Kopitovic, J. Vranjes, I. Divjak, S. Sekulic,
Serbia
- 112 **LESH-NYHAN SYNDROME: A NOVEL MUTATION IN TUNISIAN CHILD**
I. Marouani, Ichraf Kraoua, H. Benrhouma, A. Rouissi, I. Rebai, I. Turki,
I. Ceballos-Picot, N. Gouider-Khouja, *Tunisia*
- 113 **METHYLMALONIC ACIDEMIA AND HYPERGLYCEMIA: AN UNUSUAL
ASSOCIATION**
I. Marouani, Ichraf Kraoua, H. Benrhouma, A. Rouissi, I. Turki,
N. Gouider-Khouja, *Tunisia*
- 114 **PERIPHERAL NEUROPATHIES IN NEUROMETABOLIC DISEASES IN
TUNISIAN CHILDREN**
I. Marouani, I. Kraoua, I. Turki, H. Benrhouma, A. Rouissi,
Neziha Gouider-Khouja, *Tunisia*
- 115 **PROBING MECHANISMS OF CYANOGEN NEUROTOXICITY:
RELEVANCE TO THE PATHOGENESIS OF KONZO, A MOTOR NEURON
DISEASE HIGHLY PREVALENT IN SUB-SAHARAN AFRICA**
Samuel Kimani, V. Monterroso, K. Sinei, F. Bukachi, C. Maitai,
D. Tshala-Katumbay, *Kenya, USA*
- 116 **WERNICKE'S ENCEPHALOPATHY AT THIRTY YEAR OLD**
Vladimir Janjic, S. Djukic Dejanovic, B. Radmanovic, D. Ignjatovic Ristic,
D. Ravanic, *Serbia*
- 117 **NEUROLOGICAL MANIFESTATIONS OF VITAMIN B12 DEFICIENCY:
A RETROSPECTIVE STUDY OF 42 CASES**
Mouna Maamar, W. Ammouri, M. Bourkia, H. Harmouche, M. Adnaoui,
M. Aouni, Z. Tazi Mezalek, *Morocco*
- 118 **ATYPICAL PRESENTATIONS OF FAHR DISEASE**
A. Filiz, N. Kayali, Ayse Bora Tokcaer, *Turkey*
- 119 **NEUROLOGICAL ASPECTS OF FAHR SYNDROME SECONDARY TO
DYSPTHYROIDISM: 10 CASES STUDY**
Imane Lahlou, H. Elotmani, M.A. Rafai, M. Chafik, F. Moutouakil, H. Fadil,
B. El Moutawakil, I. Slassi, *Morocco*

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- 120 **NEUROLOGICAL MANIFESTATIONS IN WILSON'S DISEASE (ABOUT 7 CASES)**
Bouchra El Moutawakil, R. Ibn Moufti, H. El Othmani, M. Tahiri, A. Karkouri, R. Alaoui, S. Zamiat, M.A. Rafai, I. Slassi, *Morocco*
- 121 **NEUROLOGICAL MANIFESTATION OF VITAMIN B12 DEFICIENCY**
I. Chatti, **Anissa Kheffifi**, Z. Ben Saied, S. Najja, A. Jaoua, S. Ben Amor, S. Harzallah, L. Ben Slamia, S. Benammou, *Tunisia*
- 122 **MYASTHENIA AND BIERMER'S DISEASE: A CLINICAL CASE**
M. Maamar, **Zoubida Tazi Mezalek**, H. Harmouche, M. Adnaoui, M. Aouni, *Morocco*
- 123 **THE NEUROSTEROID DEHYDROEPIANDROSTERONE SULFATE RESTORES DOPAMINERGIC LOSS AND VOLUNTARY MOVEMENT ABNORMALITIES IN A NEUROLOGICAL DISORDER DUE TO CHRONIC LIVER FAILURE**
O. Elhiba, H. Gamrani, **Samir Ahboucha**, *Morocco*

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- 124 **THE PROBABLE ROLE OF SEVERAL INFECTIVE AGENTS IN MULTIPLE SCLEROSIS**
Nino Akiashvili, M. Beridze, M. Janelidze, R. Shakarishvili, N. Lobjanidze, N. Mikava, *Georgia*
- 125 **SECONDARY HEMORRHAGE AND BLOOD AUTO-AGGRESSIVE REACTION IN CLINICAL STROKE**
Nino Akiashvili, M. Beridze, M. Janelidze, R. Shakarishvili, N. Kvirkvelia, N. Lobjanidze, *Georgia*
- 126 **ANTI-NEURONAL ANTIBODIES TO POTASSIUM AND CALCIUM ION CHANNELS IN DIFFERENT TYPES OF PERIODIC ATAXIAS**
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- 127 **FRACTALKINE/CX3CL1 IN PATHOGENESIS OF MULTIPLE SCLEROSIS, BEHÇET'S AND NEURO-BEHÇET'S DISEASE**
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- 221 **COMPARISON OF CD4 COUNTS, DEPRESSION AND QOL IN PATIENTS WITH AND WITHOUT PERIPHERAL NEUROPATHY IN HIV-1 CLADE-C INFECTION IN INDIA**
Sudesh Prabhakar, A. Sharma, M. Kumar, A. Kumar, D. Jones, R. Nehra, J. Kaur, S. Sharma, S.K. Kharbanda, *India*
- 222 **MAGNETIC RESONANCE NEUROGRAPHY VERSUS ELECTROMYOGRAPHY FOR THE DIAGNOSIS OF RADICULOPHTHIES**
Youssef Dakka, A. Biondo, J. Corrigan, *USA*
- 223 **GUILLAIN BARRÉ SYNDROME ASSOCIATED WITH ACUTE DISSEMINATED ENCEPHALOMYELITIS (ADEM)**
Ines Bedoui, N. Bouzidi, A. Hassine, M. Zouari, *Tunisia*

**POSTER SESSION 4:
PERIPHERAL NERVE (NEUROPATHY) (contd.)**

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- 224 **NEUROLOGICAL DISORDERS CAUSED BY VITAMIN B12 DEFICIENCY: A RETROSPECTIVE STUDY OF 53 CASES**
Samia Ben Sassi, I. Bedoui, F. Hentati, A. Hassine, M. Zouari, *Tunisia*
- 225 **CARPAL TUNNEL SYNDROME IN HAEMODIALYSIS PATIENTS**
Houda Mbarki, A. Akricchi, A. Lazrak, A. El Midaoui, N. Tachfouti, M. Arrayhani, M.F. Belahcen, T. Sqalli Houssaini, *Morocco*
- 226 **CASE REPORT: EPIDURAL MID-SACRAL NEUROMODULATION AS THERAPY FOR CHRONIC REFRACTORY POST-PROSTATITIS PERINEAL NEURALGIA**
Tyler Schmidt, M.N. Baig, R.A. Hirschl, A. Bubolz, M. Darwal, C.S. Karas, *USA*
- 227 **MAN IN THE BARREL SYNDROME**
Imane Lahlou, M.A. Rafai, H. El othmani, L. Raji, B. El Moutawakil, I. Slassi, *Morocco*
- 228 **MILLER FISHER SYNDROME WITH SERUM ANTI-GQ1B ANTIBODY**
Khadija Asbai, N. Louhab, I. Hajjaj, M. Chraa, Y. Mebrouk, N. Kissani, *Morocco*
- 229 **MILLER FISHER SYNDROME WITH NEGATIVE ANTI GQ1B ANTIBODIES DURING A MYCOPLASMA PNEUMONIAE INFECTION**
Victor Sini, M. Boone, R. Roos-Weil, A.K. Njamnshi, *Cameroon*
- 230 **GUILLAIN BARRÉ SYNDROME: A TUNISIAN STUDY**
Ines Ben Abdelaziz, J. Zaoueli, M. Mansour, R. Mrissa, *Tunisia*
- 231 **CMT2I DUE TO A MYELIN PROTEIN ZERO SER44PHE MUTATION IN A LARGE FAMILY FROM NORTHERN IRELAND**
Niranjanan Nirmalanathan, A. Al-Memar, *UK*
- 232 **LEPROUS NEUROPATHIES: CASES REPORT**
Mohammed Abdoh Rafai, S. Manaf, F.Z. Boulajaj, B. El Moutawakkil, H. El Otmani, I. Slassi, *Morocco*
- 233 **LATERALITY OF THE ULNAR NEUROPATHY AT THE ELBOW**
Simon Podnar, G. Omejec, *Slovenia*

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- 234 **PERIPHERAL NEUROPATHY AFTER BURN INJURY**
Yusuf Tamam, C. Tamam, B. Tamam, M. Ustundag, M. Orak, N. Tasdemir,
Turkey
- 235 **DIGITAL GLOMUS TUMOR MIMICKING ULNAR NEUROPATHY**
E. Al-Mowallad, O. Wazan, **Edward Cupler**, *Saudi Arabia*
- 236 **CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY**
(CIDP): A STUDY OF 60 CASES
Halima Belaidi, N. Birouk, B. Benaaboud, B. Kably, L. Errguig, F. Lahjouji,
S. Aidi, M. Yahyaoui, M. El Alaoui-Faris, R. Ouazzani, *Morocco*

**POSTER SESSION 5:
BEHAVIORAL NEUROLOGY**

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- 1 **MODEL OF CONTROL OF VERBAL FLUENCY IN ARABIC LANGUAGE STUDIED USING BOLD-FMRI**
Saïd Boujraf, F. Belahsen, K. Belhassan, S. Tizniti, *Morocco*
- 2 **A TARGETED RGS14 GENE THERAPY NOT ONLY RECOVERS BUT ALSO PREVENTS A MEMORY LOSS IN AGEING AND ALZHEIMER'S DISEASE**
M. Masmudi-Martín, I. Navarro-Lobato, M.F. López-Aranda, J.F. López-Tellez, S. Posadas, G. Delgado, **Zafar U. Khan**, *Spain*
- 3 **REDUCED EXPRESSION OF THE ATRX GENE, A CHROMATIN-REMODELING FACTOR, CAUSES ABNORMAL BEHAVIORS AND LEARNING IMPAIRMENT**
Isao Kitajima, H. Beppu, T. Nogami, N. Shioda, K. Fukunaga, *Japan*
- 4 **INSULAR, A COMMON ANATOMICAL CORRELATE OF SELFISHNESS AND EMPATHY**
Dong Won Yang, S.-C. Lim, Y.J. Hong, Y.S. Shim, B. Yoon, J.-Y. Kim, K.P. Rankin, B.L. Miller, *Republic of Korea*
- 5 **FRONTAL LOBE-MEDIATED BEHAVIORAL CHANGES IN AMYOTROPHIC LATERAL SCLEROSIS: ARE THEY INDEPENDENT OF PHYSICAL DISABILITIES?**
Tatsuhiko Terada, T. Obi, M. Yoshizumi, T. Murai, M. Suzuki, T. Konishi, K. Shirakawa, S. Kono, H. Miyajima, K. Mizoguchi, *Japan*
- 6 **DEPRESSION AFTER STROKE IN HOSPITAL IN BENIN**
Dieu Donné Gnonlonfoun, C. Adjien, T. Adoukonou, A. N'goram, D. Houinato, G.D. Avode, *Benin*
- 7 **INCREASED TEMPERATURE SENSITIVITY IN CONGENITALLY BLIND BUT NOT IN LATE BLIND SUBJECTS**
Ron Kupers, H. Slimani, A. Gjedde, M. Ptito, *Denmark*
- 8 **DETECTING SIGNS OF CONSCIOUSNESS IN SEVERELY BRAIN INJURED PATIENTS WITH VOLUNTARY CONTROL OF SNIFFING: A COHORT STUDY**
Vanessa Charland, L. Sela, A. Plotkin, C. Chatelle, N. Sobel, S. Laureys, *Belgium*

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POSTER SESSION 5: BEHAVIORAL NEUROLOGY (contd.)

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- 9 **FAHR SYNDROME PRESENT WITH OBSESIONS AND PILLROLLING INVOLUNTARY MOVEMENTS ON ONE HAND**
Gamze Bayülkem, *Turkey*
- 10 **NEGLECT ALEXIA IN AN ARABIC-FRENCH BILINGUAL PATIENT**
Fadoua Alamouri, M. Taiebine, N. Essahli, M. Benabdeljil,
M. El Alaoui Faris, *Morocco*
- 11 **COGNITIVE NEUROPSYCHOLOGICAL STUDY OF CASE OF PURE AGRAPHIA IN ARABIC**
Mohamed Taiebine, N. Essahli, F. Alamouri, F. Benbelaid, T. Chkili,
M. El Alaoui Faris, *Morocco*
- 12 **PHONOLOGICAL ALEXIA IN ARABIC LANGUAGE**
Mohamed Taiebine, N. Essahli, F. Alamouri, L. Ettahiri, M. El Alaoui Faris,
Morocco
- 13 **RISK FACTOR OF COGNITIVE IMPAIRMENT IN SYSTEMIC LUPUS ERYTHEMATOSUS**
Diatri Nari Lastrri, *Indonesia*
- 14 **EFFECTS OF EMR FROM GLOBAL SYSTEM OF MOBILE PHONE (GSM 900 MHZ) ON LOCOMOTOR ACTIVITY OF RATS**
Neeraj Kumar, R.A. Khan, V.P. Sharma, M.Y. Khan, *India*
- 15 **QUALITY OF LIFE, ANXIETY AND DEPRESSION IN STROKE SURVIVORS IN TOGO**
S. Kevi, A.V. Agbobli, K.S. Assogba, K.M. Apetse, **Rabi Barry-Barque**,
D. Kombate, J.M. Allasene, M.T. Belo, A.L. Balogou, E.K. Grunitzky, *Togo*
- 16 **NO ASSOCIATION BETWEEN PHYSICAL ACTIVITY AND COGNITIVE SPEED IN COMMUNITY DWELLING 60-YEAR OLDS**
Mattias Göthlin, M. Gustavsson, M. Jonsson, H. Malcus, A. Wallin, *Sweden*
- 17 **STUDY OF LOCOMOTORS DISORDERS AND ANXIETY IN THE OVARIECTOMIZED FEMALE WISTAR RATS**
Jihad Sellame, A. Mesfioui, A. Ouichou, B. Benazzouz, A. El Hessni,
Morocco

**POSTER SESSION 5:
BEHAVIORAL NEUROLOGY (contd.)**

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- 18 **POSTERIOR ALIEN HAND SYNDROME AFTER A LEFT PARIETAL INFARCT IN SNEDDON'S SYNDROME**
Hanane Hidani, M. Benabdeljlij, S. Aidi, F. Boutbib, K. Al Zemmouri, M.R. El Hassani, M. Jiddane, M. El Alaoui Faris, *Morocco*
- 19 **EVALUATION OF COGNITIVE FUNCTION OF TWO EXTRACTS OF *RUBIA PEREGRINA* USING OPEN FIELD TEST ON THE RATS**
Samira Chaib, M. Mountassir, A. Ouachrif, R. Aboufatima, S. Moubtakir, A. Benharref, A. Chait, *Morocco*

CHILD NEUROLOGY/DEVELOPMENTAL NEUROBIOLOGY

- 20 **CLASSIFICATION AND THERAPY OF HABITUAL TOE WALKERS**
David Pomarino, M. Klawonn, S. Stock, C. Walther, J. Dittmer, L. Zoernig, *Germany*
- 21 **EFFECTS OF NITRIC OXIDE ON THE PREFRONTAL CORTEX IN STRESSED RATS**
Mehdi Mehdizadeh, B. Ebadi, A. Nahavandi, S. Soleimani Asl, *Iran*
- 22 **ANALYSIS OF SURGICAL INTRATHECAL [I.T.] BACLOFEN [ITB] IMPLANT RESULTS EMPHASIZING REVISION SURGERY IN A MIXED PEDIATRIC/ADULT POPULATION**
Yasser Awaad, T. Rizk, N. Roosen, *Saudi Arabia*
- 23 **EVALUATION OF INTELLIGENCE QUOTIENT OF CHILDREN ATTENDING NEUROLOGY CLINIC IN ILORIN, NIGERIA. A PRELIMINARY REPORT**
Muhammed A.N. Adeboye, O.A. Adegboye, A. Ojuawo, O.I.N. Buhari, A.O. Saka, M.O. Durowaye, H.A. Bello, O.O. Fawi, O.S. Mokuolu, R.I. Lawal, *Nigeria*
- 24 **STABILITY OF LANGUAGE SKILLS DESPITE MARKED LEUKOENCEPHALOPATHIC CHANGES IN A CHILD WITH LEBER HEREDITARY OPTIC NEUROPATHY FOLLOWING CNS-DIRECTED LEUKAEMIA TREATMENT**
Fiona M Lewis, D.J. Coman, B.E. Murdoch, *Australia*
- 25 **EEG THETA BAND NEURAL NETWORKS DURING SILENT READING IN CHILDREN WITH DEVELOPMENTAL DYSLEXIA**
Miodrag Stokic, Z. Milosavljevic, D. Pecenica, B. Bobic, S. Djokovic, S. Maksimovic, V. Nenadovic, L. Dobrijevic, *Serbia*

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- 26 **NEURAL TUBE DEFECTS AND MTHFR GENE POLYMORPHISMS IN SLOVAK POPULATION**
Jana Behunova, L. Klimcakova, E. Zavadilikova, P. Sykora, L. Podracka, *Slovak Republic*
- 27 **THE EXAMINATION OF FETAL CEREBRAL CIRCULATION DURING DEFINED SOUND STIMULATION**
Ljiljana Dobrijevic, M. Sovilj, A. Ljubic, M. Stokic, *Serbia*
- 28 **JOUBERT SYNDROME: A CASE REPORT**
Boutheina Ben Amou, S. Nagi, M. Ben Hamouda, N. Miladi, *Tunisia*
- 29 **FACTORS ASSOCIATED TO CEREBRAL PALSY AT LIBREVILLE**
P.N. Kouna, Thierry Adoukonou, Y. Mpira, S. Bongo, D. Houinato, Y.Z. Assengone, *Benin*
- 30 **BOTULINUM TOXIN IN THE TREATMENT OF CEREBRAL PALSY**
Ouarda El Ouali, M. El Machkour, M.F. Belahsen, O. Messouak, *Morocco*
- 31 **COGNITIVE PROFILE OF INDIAN CHILDREN WITH GLOBAL DEVELOPMENTAL DELAY**
Manjit Sidhu, P. Malhi, J. Jerath, *India*
- 32 **ELECTROENCEPHALOGRAPHIC FINDINGS IN CHILDREN AND ADOLESCENTS SUFFERING FROM HEADACHE**
Vesna Suknjaja, L. Sakalas, S. Sakac, A. Kopitovic, J. Vranjes, S. Sekulic, *Serbia*
- 33 **TREATMENT OF UPPER LIMB SPASTICITY IN CHILDREN WITH CEREBRAL PALSY: THE CONTRIBUTE OF ULTRASOUND-GUIDED INJECTION OF BOTULINUM TOXIN TYPE A**
Giuseppe Di Rosa, F. Frascarelli, E. Castelli, *Italy*
- 34 **IMPROVEMENT OF GAIT AND POSTURAL FUNCTIONS AFTER ROBOTIC- ASSISTED TREADMILL TRAINING (RATT) IN PATIENTS WITH BILATERAL SPASTIC CEREBRAL PALSY**
Stanislava Kloubucka, M. Kováč, E. Žiaková, *Slovak Republic*
- 35 **PEDIATRIC CEREBRAL VENOUS SINUS THROMBOSIS; ANALYSIS OF SEVENTY PATIENTS**
Mohsin Ansari, *USA*

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- 36 **EEG BIOFEEDBACK NEW HIGHLY SOPHISTICATED NEUROREHABILITATION METHOD: RESULTS IN MOTOR DISABILITY IN CHILDREN**
Elena Žiaková, D. Bartko, S. Klobucka, Slovak Republic
- 37 **DISSOCIATION OF CENTRAL EXECUTIVE PROCESSES IN MOROCCAN DYSLEXIC CHILDREN**
Fatima Boutbibe, Y. Bibaoun, M. El Alaoui Faris, Morocco
- 38 **EXPRESSION OF DORSOVENTRAL PATTERNING MARKERS IN THE NEURULATION OF CHICK EMBRYOS: PRIMARY VS SECONDARY NEURULATION**
You Nam Chung, S. Kim, K.C. Wang, S.S. Cho, Republic of Korea
- 39 **AUTOSOMAL RECESSIVE HEREDITARY SPASTIC PARAPLEGIA ASSOCIATED WITH MENTAL IMPAIRMENT, THIN CORPUS CALLOSUM AND EPILEPSY IN A TUNISIAN FAMILY**
Samia Younes, N. Mokni, A. Boukhris, M. Aissi, C. Mhiri, M. Frih-Ayed, M.H. Sfar, Tunisia
- 40 **RETT SYNDROME: 3 TUNISIAN CASES WITH NOVEL MUTATIONS OF THE *MECP2* GENE**
H. Jamoussi, Aida Rouissi, I. Kraoua, N. Fendri-Kriaa, H. Berrhouma, N. Belghith, I. Turki, F. Fakhfakh, N. Gouider-Khouja, Tunisia
- 41 **CEREBRAL PALSY AND CONGENITAL MALFORMATIONS**
Ines Ayadi, I. Hsairi, F. Jardak, I. Abid, F. Kamoun, N. Hmida, C. Triki, Tunisia
- 42 **PEDIATRIC ISCHEMIC STROKE: A STUDY ABOUT 35 PATIENTS**
Fedia Jardak, I. Ayadi, I. Hsairi, H. Fourati, F. Kamoun, Z. Mnif, C. Triki, Tunisia
- 43 **GROWTH RETARDATION REVEALING A POLY-AUTOIMMUNE ENDOCRINOPATHY WITH PITUITARY DAMAGE**
Hind El Aassri, G. El M'ghari, N. El Ansari, Morocco

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- 44 **FACTORS INFLUENCING COGNITIVE PERFORMANCE: STUDY COMPARATIVE IN STUDENTS A COLLEGE KENITRA, MOROCCO WEST**
Layla Sbii, H. Hami, M. Latifi, D. Benali, A. Ahami, A. Soulaymani,
A. Mokhtari, *Morocco*
- 45 **NEUROLOGIC VARIANT LARYNGOMALACIA AND SWALLOWING DIFFICULTIES ASSOCIATED WITH CHIARI MALFORMATION AND CERVICOMEDULLARY COMPRESSION: CASE REPORTS**
Laura Orvidas, D. Thompson, N. Wetjen, *USA*

CLINICAL NEUROPHYSIOLOGY

- 46 **GUIDING OR CONFIRMING VALUE OF INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING IN INTRAMEDULLARY SPINAL CORD MASS LESION SURGERY?**
Svatopluk Ostry, L. Stejskal, V. Benes, *Czech Republic*
- 47 **INTRAMEDULLARY SPINAL CORD TUMOURS SURGERY - VALUE OF INTRAOPERATIVE MONITORING**
Svatopluk Ostry, K. Saur, L. Stejskal, V. Benes, *Czech Republic*
- 48 **EFFECTS OF ENDOGENOUS SEROTONIN POTENTIATION ON PASSIVE AVOIDANCE LEARNING AND MEMORY IN RATS**
Shirin Jamal Omid, S. Shahidi, M. Araghchian, A. Jamal Omid, *Iran*
- 49 **SENSORY SYSTEM ABNORMALITIES IN AMYOTROPHIC LATERAL SCLEROSIS: AN ELECTROPHYSIOLOGICAL APPROACH**
E. Cellura, F. Brighina, **Vincenzo La Bella**, B. Fierro, *Italy*
- 50 **RECOVERY OF CORTICAL EFFECTIVE CONNECTIVITY IN DISORDERS OF CONSCIOUSNESS**
O. Gosseries, M. Rosanova, M. Boly, S. Casarotto, M.-A. Bruno, **Athena Demertzi**, A. Casali, P. Boveroux, M. Mariotti, G. Tononi, S. Laureys, M. Massimini, *Belgium*
- 51 **EFFECT OF ATYPICAL ANTIPSYCHOTICS, ZIPRASIDONE AND QUETIAPINE, ON NITRIC OXIDE AND INTERLEUKIN-8 PRODUCTION BY LIPOPOLYSACCHARIDE-ACTIVATED OLIGODENDROCYTES**
Antonino Pavone, A.C.E. Graziano, V. Cardile, *Italy*

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**POSTER SESSION 5:
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- 52 **ALTERATIONS OF SOMATOSENSORY EVOKED POTENTIALS IN THE PATIENTS WITH SUBACUTE SCLEROSING PANENCEPHALITIS**
Hulya Aydin Gungor, Ç. Okuyaz, O. Duman, S. Ozkaynak, *Turkey*
- 53 **AN ANALYSIS OF NERVE CONDUCTION STUDY: DEMOGRAPHIC AND ELECTROPHYSIOLOGICAL CHARACTERISTICS**
Dilip Thakur, N. Limbu, B.H. Paudel, *Nepal*
- 54 **THE PREVALENCE OF PSYCHOGENIC NON-EPILEPTIC SEIZURES IN AN EPILEPSY MONITORING UNIT**
Kristen Scott, *Australia*
- 55 **A STUDY OF PERIPHERAL NERVE CONDUCTION AND VISUAL EVOKED RESPONSES IN PATIENTS WITH ACUTE DISSEMINATED ENCEPHALOMYELITIS AND ACUTE TRANSVERSE MYELITIS**
Shaik Jabeen, K.R. Mridula, A.K. Meena, B. Rupam, *India*
- 56 **EEG IN ACUTE POST CABG ENCEPHALOPATHY**
N.M. Alrishi, Khurram A. Siddiqui, M.R. Marasigan, S. Sinha, *Saudi Arabia*
- 57 **LOW AUDITORY EVENT-RELATED POTENTIAL AMPLITUDES IN TYPE 1 DIABETES - RELATION TO SIGNS AND SYMPTOMS OF PERIPHERAL NEUROPATHY**
Lars Hyllienmark, N. Alstrand, J. Ludvigsson, J. Wahlberg, T. Brismar, *Sweden*
- 58 **DEVELOPMENT OF CHRONIC FATIGUE SYNDROME IN STUDENTS**
S. Tukaiev, O. Radchuk, I. Zima, Tetiana Vasheka, *Ukraine*
- 59 **UNUSUAL NEUROMUSCULAR DISEASES AS COMPLICATIONS OF GRAFT VERSUS HOST DISEASE (GVHD)**
Alain Lekoubou, F. Bouhour, A. Vasiljevic, G. Chauplannaz, S. Ducastelle, C. Vial, *France*
- 60 **RECURRENT GUILLAIN-BARRÉ SYNDROME. A CLINICAL AND ELECTROPHYSIOLOGIC STUDY OF 18 MOROCCAN CASES**
Bouchra Benaaboud, N. Birouk, L. Erreguig, B. Kably, H. Belaidi, M. El Alaoui.Faris, M. Yahyaoui, R. Ouazzani, *Morocco*

**POSTER SESSION 5:
CLINICAL NEUROPHYSIOLOGY (contd.)**

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- 61 **PSEUDORESISTANCE IN A SERIES OF 69 PATIENTS REFERRED FOR PRESURGICAL EVALUATION FOR 'REFRACTORY EPILEPSY': CAUSES AND CONSEQUENCES OF MISDIAGNOSIS**
Fatiha Lahjouji, H. Belaidi, N. Birouk, L. Errguig, B. Kably, R. Ouazzani, Morocco
- 62 **INTEREST OF STUDY OF T REFLEX IN THE MECHANICAL RADICULALGIAS**
Asma Brini, J. Mounach, A. Satté, H. Ouahabi, Morocco
- 63 **EEG AND CLINICAL CONFRONTATION IN THE DIAGNOSIS OF DEMENTIA WITH LEWY BODIES VERSUS ALZHEIMER'S DISEASE**
Yosr Hizem, A. Gargouri-Berrechid, M. Ben Djebara, I. Abdelkefi, R. Gouider, Tunisia
- 64 **CERVICAL VESTIBULAR EVOKED POTENTIAL (CVEMP) BY AIR-CONDUCTED CLICKS IN VESTIBULAR NEURITIS**
Woo-Kyung Kim, K.-S. Kim, H.-J. Cho, Republic of Korea
- 65 **AN UNUSUAL CASE OF SUBCLINICAL PERIPHERAL NEUROPATHY AND CERVICAL SPONDYLOSIS IN ATOPIC MYELITIS: REPORT OF A NEW CASE OUTSIDE JAPAN**
Alev Leventoglu, P. Ozlu, F. Ince Arslan, G. Morkavuk, I. Unal-Cevik, M.Z. Onal, Turkey
- 66 **VISUAL EVOKED POTENTIALS IN B12 VITAMINE DEFICIENCY: A PRELIMINARY STUDY**
Y. Degirmenci, C. Hayretdag Ors, Y. Yilmaz, Handan Isin Ozisik Karaman, Turkey
- 67 **DISFACILITATION OF FACIAL REFLEX RESPONSES PRESENTING AS PERIPHERAL FACIAL PALSY**
Juan Jose Mengual, A. Cervera, J. Valls Solé, Spain
- 68 **CORTICAL ACTIVATION TO ACTION OBSERVATION AND MOTOR IMAGERY IS ASSOCIATED WITH MOTOR LEARNING: EEG EVIDENCE**
Letizia Leocani, F. Natali, J.J. Gonzalez-Rosa, S. Velikova, A. Tettamanti, R. Gatti, G. Comi, Italy

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**POSTER SESSION 5:
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69 **HOME BASED CARE OF PARAPLEGICS/QUADRIPLÉGICS BY PALLIATIVE CARE PHYSICIANS IN A DEVELOPING COUNTRY -RAY OF HOPE FOR THE PHYSICIAN ABANDONED**
Unnikrishnan Syam, M.R. Rajagopal, C. Baburaj, V. Nirmala, M. Sunil, R. Biju, K. Noorodeen, P. Jayaraj, *India*

70 **EFFECTIVENESS OF INTRADERMAL ONABOTULINUMTOXINA IN INTRACTABLE POSTHERPETIC NEURALGIA**
Kuljeet Anand, V. Dhikav, K.S. Anand, *India*

GENERAL NEUROLOGY/NEUROLOGY IN SYSTEMIC DISEASE

71 **REHABILITATION OF VETERANS WITH COMBAT RELATED NEUROLOGIC INJURIES**
Kris Siddharthan, *USA*

72 **HASHIMOTO ENCEPHALOPATHY, THE ENIGMATIC DIAGNOSIS: STUDY ABOUT THREE CASES**
Malek Lahmar, M. Mansour, H. Derbali, E. Farhat, J. Zaouali, R. Mrissa, *Tunisia*

73 **LIMBIC ENCEPHALITIS ASSOCIATED WITH 4 AUTO-ANTIBODIES (ANTI VGKC, AMPA, GAD, IA2)**
Amel Mosbah, S. Aubert, A. Didelot, V. De Brochgrave, F. Bartolomei, *France*

74 **THE EXPERIENCE AND MEANING OF INDIVIDUALS LIVING WITH NEUROLOGICAL CONDITIONS AND PRIMARY CAREGIVERS: PERCEPTIONS AND DETERIORATION IN QUALITY OF LIFE**
L. Velasquez, **Angela Martinez**, R.G. Salazar, *Mexico*

75 **OCCULT SPINAL DYSRAPHISM PRESENTING AS ASEPTIC MENINGITIS**
S. Nahrir, **Eman Bakhsh**, A. Alshanbari, K.A. Siddiqui, S. Sinha, *Saudi Arabia*

76 **CASE REPORT-DIFFICULTIES IN MAKING DIAGNOSIS NEUROMYELITIS OPTICA**
Dzenita Imamovic, A. Nakicevic, E. Suljic, A. Alajbegovic, K. Dzirlo, *Bosnia-Herzegovina*

**POSTER SESSION 5:
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- 77 **NEUROLOGICAL MANIFESTATIONS OF BEHÇET'S DISEASE: A RETROSPECTIVE STUDY**
Fatima Imouan, E.H. Ait Benhaddou, A. Benomar, W. Regragui, R. Abouqual, M. Yahyaoui, Multiple Sclerosis Research Group, *Morocco*
- 78 **EXTRAPONTINE MYELINOLYSIS CAUSING NEUROPSYCHIATRIC SYNDROME**
C. Hornyák, P. Barsi, I. Rózsa, J. Bihari, D. Bereczki, **Tibor Kovács**, *Hungary*
- 79 **GAYET-WERNICKÉ'S ENCEPHALOPATHY. A STUDY OF 13 CASES OBSERVED IN A REFUGEE POPULATION HOSPITALIZED AT THE CONAKRY TEACHING HOSPITAL**
Cisse Fode Abass, A.F. Cissé, N. Camara, L.L. Diallo, Y. Morel, S. Koné, M.I. Camara, M.L. Koumbassa, D. Tafsir, D. Soumah, B.S. Djigué, O.B. Camara, M. Barry, S.A. Bangoura, S. Kourouma, L. Da Silva, A. Cissé, *Guinea Republic, Senegal*
- 80 **NEUROLOGICAL MANIFESTATIONS OF SYSTEMIC DISEASES: ABOUT 26 CASES**
Hanan Razzouki, O. El Ouali, Z. Souirti, A. Midaoui, O. Messouak, F. Belahsen, *Morocco*
- 81 **SYPHILITIC LIMBIC ENCEPHALITIS**
Ihame Derouich, R. Belfkih, Z. Souirti, A. Midaoui, O. Messouak, F. Belahsen, *Morocco*
- 82 **PSYCHIATRIC PRESENTATION OF LEIGH'S DISEASE IN A YOUNG ADULT**
Leonard Kouassi, F. Viader, J.-P. Thenint, *France*
- 83 **NEUROLUPUS: A DIFFERENTIAL DIAGNOSIS OF PRIMARY DEMYELINATING DISEASE**
Marisa Tavares Brum, A.M. Romeiro, P. Santos, R. Guerreiro, J. Pinto Marques, *Portugal*
- 84 **NEUROLOGICAL MANIFESTATIONS OF CELIAC DISEASE**
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- 85 **A CASE OF ISOLATED GLOBAL AMNESIA INVOLVING LEFT HIPPOCAMPUS IN BEHCET'S DISEASE**
Yoori Son, K.J. Lee, J.-S. Kim, S.J. Kim, S.-H. Park, *Republic of Korea*
- 86 **CADASIL (CEREBRAL AUTOSOMAL DOMINANT ARTERIOPATHY WITH SUBCORTICAL INFARCTS AND LEUKOENCEPHALOPATHY) - FIRST REPORT FROM ISRAEL**
Radi Shahien, A. Bowirrat, S. Abu Saleh, *Israel*
- 87 **CEREBRAL VENOUS THROMBOSIS AND SYSTEMIC DISEASE IN TUNISIA**
Fatma Njah, F. Frikha, A. Boukhris, M. Frigui, M. Damak, I. Feki, Z. Bahloul, C. Mhiri, *Tunisia*
- 88 **SARCOID MYOPATHY: ONE CASE REPORT**
Wahiba Amer El Khedoud, F. Ferrat, N. Rarrbo, N. Zemmouchi, F. Ramdane Cherif, A. Bouhidel, M. Benahmed, N. Terki, A. Chaouch, M. Chaouch, *Algeria*
- 89 **VIRAL INFECTIONS AND NEUROFILAMENT IN NEUROPSYCHIATRIC SYSTEMIC LUPUS ERYTHEMATOSUS**
Ernestina Santos, M. Marta, E. Coutinho, A. Martins da Silva, C. Vasconcelos, G. Giovannoni, *Portugal*
- 90 **ISOLATED MYELITIS IN BEHCET'S DISEASE: REPORT OF SIX CASES**
Wadi Bnouhanna, M. Rahmani, H. Harmouch, O. Mouti, M. Benabdeljalil, S. Aidi, M. Alaoui Faris, *Morocco*
- 91 **BEHCET'S DISEASE IN BLIDA HOSPITAL**
Mustapha Benmahdjoub, F.Z. Mellal, N. Boutarene, M. Arezki, *Algeria*
- 92 **PARANEOPlastic ENCEPHALITIS, MYELITIS AND POSTERIOR COLUMN DEGENERATION IN A PATIENT WITH BREAST CANCER**
B. Calabek, K. Lindner, **Wolfgang Grisold**, *Austria*
- 93 **1H-PROTON MAGNETIC RESONANCE SPECTROSCOPY (1H-MRS) OF OSMOTIC DEMYELINATING SYNDROME IN A PATIENT WITH END-STAGE RENAL DISEASE**
P. Thajeb, **Teguh Thajeb**, C.-H. Shih, D.-F. Dai, *USA, Taiwan R.O.C.*

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- 94 **MULTIPLE SCLEROSIS IN GABON: DEFINE REALITY**
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M. Moubeka-Mouguengui, P. Kouna-Ndouongo, *Gabon*
- 95 **NEUROLOGICAL INVOLVEMENT IN BEHÇET'S DISEASE:
DEMOGRAPHIC, CLINICAL AND GENETIC FEATURES IN 121 TUNISIAN
PATIENTS**
Imed Ben Ghorbel, T. Ben Salem, M. Khanfir, M. Lamloum, M. Miled,
N. Ben Romdhane, M.H. Houman, *Tunisia*
- 96 **SYSTEMIC DISEASES REVEALED BY NEUROPSYCHIATRIC FEATURES**
Ibtissem Ben Hamouda, M.N. Tougourti, O. Cherif, *Tunisia*
- 97 **VITAMIN B12 SUPPLEMENTATION IN TREATING MAJOR DEPRESSIVE
DISORDER: A RANDOMIZED CONTROLLED TRIAL**
Mohammad Wasay, E. Syed, S. Awan, M.N. Siddiqi, *Pakistan*
- 98 **CLINICAL AND NEUROIMAGING MANIFESTATIONS OF
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Imed Ben Ghorbel, N. Bel Feki, T. Ben Salem, M. Lamloum, M. Khanfir,
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- 99 **NEUROLOGICAL MANIFESTATIONS OF SYSTEMIC DISEASES: SERIES
OF 26 CASES**
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- 100 **THE MYELOPATHY SECONDARY TO DURAL ARTERIOVENOUS
FISTULA ABOUT TWO CASES**
Tarik Boulahri, A. El Jouhari, Y. Hsaini, A. Bourazza, *Morocco*
- 101 **CEREBRAL INFARCT IN A PATIENT WITH A PREVIOUS HISTORY OF
SYSTEMIC ARTERIAL AND VENOUS THROMBOSIS FROM ESSENTIAL
THROMBOCYTHEMIA**
K.-T. Kim, S.-I. Sohn, **Kyung-Hee Cho**, *Republic of Korea*
- 102 **PRIMARY HIV VASCULITIS: THE CHALLENGES OF DIAGNOSIS AND
TREATMENT, A DISCUSSION OF TWO CASE STUDIES**
Laura Claire Grunsell, G. McCarthy, P. Rich, A. Al-Memar, *UK*

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- 103 **NEUROPSYCHIATRIC SYSTEMIC LUPUS ERYTHEMATOSUS**
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Z. Bahloul, C. Mhiri, *Tunisia*
- 104 **NEUROLOGICAL MANIFESTATIONS OF CHRONIC INFLAMMATORY
BOWEL DISEASE**
Y. Hnach, F.Z. Ajana, I. Benbelbarhdadi, O. Essamri, R. Afifi, M. Benazzouz,
A. Essaid, **Jamal Mounach**, *Morocco*
- 105 **NEUROLOGICAL MANIFESTATIONS IN GOUGEROT-SJOGREN
SYNDROME: STUDY OF 16 CASES**
Abdelhafid El Jouehari, A. Semlali, T. Boulahri, J. Oumarzouk, Y. Hsaini,
H. Ouahabi, A. Bourrazza, *Morocco*
- 106 **INSUFFISANCE CARDIAQUE GLOBALE RÉVÉLATRICE D'UN
SYNDROME DE FAHR ASSOCIÉ À UNE PSEUDOHYPOPARATHYROIDIE**
S Akhbour, B. Khennine, S. Hamaz, N. Doghmi, I. Fellat, G. Cherradi,
Morocco
- 107 **VITAMIN B12 DEFICIENCY MANIFESTED BY COMBINED SPINAL
SCLEROSIS AND THROMBOEMBOLIC EVENTS**
Ines Bedoui, S. Ben Sassi, F. Hentati, M. Zouari, *Tunisia*
- 108 **SUSAC SYNDROME: REPORT OF THREE CASES AND REVIEW OF THE
LITERATURE**
Rais Linda, F. Emna, D. Hager, R. Anis, M. Malek, Z. Jamel, M. Ridha,
Tunisia
- 109 **PRIMARY GOUGEROT- SJÖGREN'S SYNDROME WITH CENTRAL
NERVOUS SYSTEM INVOLVEMENT: A STUDY OF 6 PATIENTS AND
REVIEW OF THE LITERATURE**
Rais Linda, D. Hager, F. Emna, L. Malek, Z. Jamel, M. Ridha, *Tunisia*
- 110 **A PROSPECTIVE STUDY ON THE EFFECT OF ZOLPIDEM IN CHRONIC
DISORDERS OF CONSCIOUSNESS**
Marie Thonnard, O. Gosseries, A. Demertzi, Z. Lugo, S. Laureys, *Belgium*
- 111 **A CASE OF MESALAZINE NEUROTOXICITY**
Amine Nait Mohamed, M. Djellaoui, H. Leklou, M. Abada Bendib,
A.N. Masmoudi, *Algeria*

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- 112 **CEREBELLAR SYNDROME COMPLICATING AN ANTERIOR PITUITARY DEFICIENCY OF POST PARTUM**
Hakima Chegour, G. El Mghari, N. El Ansari, *Morocco*
- 113 **MOVEMENTS DISORDERS AND SJORGEN GOUJEROT: ASSOCIATION OR COINCIDENCE?**
Safaa Zahlane, N. Adali, N. Kissani, *Morocco*
- 114 **PYOGENIC BRAIN ABSCESSSES CAUSED BY *SERRATIA MARCESCENS* IN A BRAZILIAN PREMATURE NEONATE. CASE REPORT**
L.C. Meguins, F.D. Lima, Regina Célia Ajeje Pires Albuquerque, M.M.C.M. Brito, *Brazil*

HEADACHE AND PAIN

- 115 **DOUBLE BLIND STUDY OF TOPICAL SALICYLATE WITH PHOTOPROTECTIVE MASK AS TREATMENT FOR MIGRAINE AND/OR TENSION HEADACHES**
Morton I Hyson, *USA*
- 116 **PATHOPHYSIOLOGY OF A PAIN SYNDROME AT PATIENTS WITH SYRINGOMYELIA**
Nadezhda Novikova, *Russia*
- 117 **IDIOPATHIC INTRACRANIAL HYPERTENSION (IIH) IN SUDANESE PATIENTS; CLINICAL PRESENTATION, DIAGNOSIS AND RESPONSE TO TREATMENT ;KHARTOUM, SUDAN 1999-FEB 2011**
Mohmed Nagib Idris, H. Siddeeg, M.K. Saeed, D. Dalia, A. Maaz., C.T. Tan, *Sudan*
- 118 **SERUM ADIPONECTIN LEVELS IN MIGRAINEURS**
Rabia Sedef Üre, M.K. Toprak, *Turkey*
- 119 **PSEUDOTUMOR CEREBRI (PTC) OR IDIOPATHIC INTRACRANIAL HYPERTENSION (IIH) - A PERSONAL SERIES EMPHASIZING MANAGEMENT WITH CEREBROSPINAL FLUID (CSF) SHUNTING**
Norbert Roosen, K.A. McIntosh, *USA*

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- 120 **IDIOPATHIC HYPERTROPHIC PACHYMENINGITIS**
Emira Zangar, S. Hamzaoui, T. Larbi, M. Abdallah, M. Ennafa, A. Harmel, K. Bouslama, S. Mrad, *Tunisia*
- 121 **INTERICTAL GASTRIC MOTILITY IN PATIENTS WITH MIGRAINE**
Y.R. Jeong, BYUNG KUN Kim, J.H. Park, *Republic of Korea*
- 122 **EVALUATION OF OLFACTION IN PATIENTS WITH MIGRAINE USING AN ODOUR STICK IDENTIFICATION TEST**
Akihiro Saisu, M. Tatsumoto, E. Hoshiyama, S. Aiba, K. Hirata, *Japan*
- 123 **THE PERCENT OF CHRONIC MIGRAINE PATIENTS WHO RESPONDED TO ONABOTULINUMTOXINA TREATMENT PER TREATMENT CYCLE IN THE PREEMPT CLINICAL PROGRAM**
Stephen Silberstein, D. Dodick, R. DeGryse, R. Lipton, C. Turkel, *USA*
- 124 **PRACTITIONERS FIRST CONSULTED BY PRIMARY HEADACHE PATIENTS ATTENDING THE NEUROLOGY UNIT OF THE YAOUNDE CENTRAL HOSPITAL**
Yannick Fogoum Fogang, C.T. Kuate, J. Fonsah, V. Sini, A.K. Njamnshi, *Senegal*
- 125 **MILLER FISHER'S MIGRAINE ACCOMPANIMENTS IN PATIENT WITH PREVIOUS ALICE IN WONDERLAND SYNDROME**
Kirill Skorobogatykh, J. Azimova, G. Tabeeva, *Russia*
- 126 **UNILATETRAL PAINFUL OPHTHALMOPLEGIA AND OPTIC NEUROPATHY SECONDARY TO BEHCET'S DISEASE**
Bong Goo Yoo, M.K. Kim, *Republic of Korea*
- 127 **MIGRAINE HEADACHE AND SLEEP DURATION**
Srdjan Ljubinko Sretenovic, A.I. Stanic, *Serbia*
- 128 **MARKERS OF ENDOTHELIAL ACTIVATION IN PRIMARY HEADACHE DISORDERS**
Marlene Fischer, G. Wille, S. Klien, H. Shanib, D. Holle, C. Gaul, G. Broessner, *Austria*
- 129 **HEADACHE IN CONSULTATION: A MEDICAL FILE DESIGNING**
Alia Mrani, Z. Souirti, O. Messouak, M.F. Belahsen, *Morocco*

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- 130 **CHANGES IN LIQUID EMPYING IN MIGRAINE PATIENTS: DIAGNOSED WITH LIQUID PHASE GASTRIC EMPYING SCINTIGRAPHY**
H. Yalcin, **Esra E Okuyucu**, E. Ucar, T. Duman, S. Yilmazer, *Turkey*
- 131 **ALLEVIATION OF HEADACHE, SULFUR AMINO ACIDS-TAURINE & ANALOGUES IN NUTRITION: A HOPE TO COPE**
Ramesh Chandra Gupta, *India*
- 132 **IDIOPATHIC HYPERTROPHIC PACHYMEINGITIS: STUDY OF 3 CASES**
Souad El Hadri, S. Aïdi, M. Rahmani, L. Errguig, M. Benabdejilil, M. Laghmari, M. Jiddane, A. Saïdi, F. Bellakhdar, M. El Alaoui Faris, *Morocco*
- 133 **CENTRAL PAIN SYNDROME: A CASE OF SYRINGOMYELI MIMIC RADICULAR PAIN**
Gamze Bayülkem, *Turkey*
- 134 **INVESTIGATION OF AQUAPORIN-4 ANTIBODIES IN PATIENTS WITH IDIOPATHIC INTRACRANIAL HYPERTENSION**
E. Ekizoglu, S. Icoz, E. Kocasoy Orhan, E. Tuzun, G. Akman Demir, **Betul Baykan**, *Turkey*
- 135 **HOSPITAL BASED CHARACTERISTICS AND ETIOLOGIES OF HEADACHE DISORDERS IN SUBSAHARAN AFRICA, EXPERIENCE OF DOUALA, CAMEROON**
Yacouba Njankouo Mapoure, J. Doumbe, V. Sini, H.B. Mbatchou Ngahane, V. Fonyam, A.N. Njifou, M. Motah, B. Tchaleu, S. Mbahe, R. Njock, H.N. Luma, A.K. Njamnshi, *Cameroon*
- 136 **ONABOTULINUMTOXINA FOR TREATMENT OF CHRONIC MIGRAINE: 56-WEEK ANALYSIS OF THE PREEMPT CHRONIC MIGRAINE SUBGROUP WITH BASELINE ACUTE HEADACHE MEDICATION OVERUSE**
Stephen Silberstein, J.R. Saper, M.R. Stein, R. DeGryse, C. Turkel, *USA*
- 137 **BREASTFEEDING DURATION INFLUENCE ON MIGRAINE SYNDROME ONSET**
Marija F. Knezevic-Pogancev, A. Srek, *Serbia*
- 138 **RESISTANT HEADACHE, CEREBRAL CALCIFICATIONS AND VITAMIN D DEFICIENCY: A CAUSE-EFFECT RELATIONSHIP?**
Ruzzana Akopova-Larbi, A. Gargouri-Berrechid, B. Ben Rhaim, I. Kacem, S. Ben Hammouda, M. Lazreg, R. Gouider, *Tunisia*

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- 139 **THE FREQUENCY AND CLINICAL CHARACTERISTICS OF CHRONIC HEADACHE AMONG NURSING STUDENTS IN A NIGERIAN UNIVERSITY**
Adekunle Fatai Mustapha, *Nigeria*
- 140 **PREVALENCE OF CHRONIC MIGRAINE, HEADACHE-RELATED DISABILITY AND SOCIODEMOGRAPHIC FACTORS IN US POPULATION: RESULTS FROM AMERICAN MIGRAINE PREVALENCE AND PREVENTION (AMPP) STUDY**
Dawn C Buse, M.L. Reed, K. Fanning, A. Manack, D. Serrano, C.C. Turkel, R.B. Lipton, *USA*
- 141 **LOW BACK PAIN AND POSTURAL STABILITY IN A STABILOMETRIC STUDY: DOES NEUROPATHIC INVOLVEMENT MAKE A DIFFERENCE?**
Leyla Akhmadeeva, B. Veytsman, L. Shamsiyarova, *Russia*
- 142 **ABNORMAL BRAIN EXCITABILITY AND COGNITIVE DYSFUNCTION IN ADOLESCENTS WITH CHRONIC DAILY HEADACHE**
Alexey Sergeev, A. Ratchin, T. Avdeeva, G. Tabeeva, *Russia*
- 143 **PAIN IN FINE ARTS**
Adrien Maria Jori Birkas, *Hungary*
- 144 **DOPAMINE THERAPY IN PRIMARY PAIN SYNDROMES IN PATIENTS WITH PARKINSON'S DISEASE**
Alexey Alekseev, M. Nodel, E. Podchufarova, *Russia*
- 145 **THE EVALUATION OF ATHEROSCLEROSIS BY MEASUREMENT OF CAROTID INTIMAE THICKNESS IN MIGRAINE PATIENTS**
Fahri Halit Besir, A. Kocer, S. Dikici, S. Yazgan, S. Özdem, *Turkey*
- 146 **EEG CORRELATION IN CHRONIC EPISODIC HEADACHES**
Darisuren Lam Namjil, U. Dashdorj, B. Jigjidsuren, *Mongolia*
- 147 **HYPNIC HEADACHE, IMPROVEMENT WITH LAMOTRIGINE: TWO CASE REPORTS**
Younes Ouahmane, J. Mounach, A. Satte, A. Zerhouni, H. Ouhabi, *Morocco*
- 148 **NEUROLOGICAL MANIFESTATIONS OF CELIAC DISEASE ABOUT 13 CASES**
A. Boulaich, Jamal Mounach, *Morocco*

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HEADACHE AND PAIN (contd.)**

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- 149 **CORRELATION BETWEEN CHANGES IN MUSCLE RESPONSE USING EMGS AND THE PERCEPTION OF PAIN IN PATIENTS WITH FIBROMYALGIA**
Montse Virumbrales, *Spain*
- 150 **STUDY OF ANTITUMORAL AND ANTINOCICEPTIVE EFFECTS OF BLACK MOROCCAN PROPOLIS IN THE RAT**
Maryam Mountassir, *Morocco*
- 151 **TEN YEAR EXPERIENCE OF INTRATHECAL BACLOFEN ON A PAIN CLINIC- AN OVERVIEW:**
Joana Meireles, P. Abreu, V. Rebelo, A. Costa, D. Táboas, I. Cristina, L. Novais, M. Barbosa, M. Festas, P. Moreira, P. Pereira, *Portugal*
- 152 **REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION AND STOCHASTIC RESONANCE THERAPY AS ALTERNATIVE METHODS FOR TREATMENT OF NEUROPSYCHIATRIC DISORDERS**
Berthold Kepplinger, H. Baran, P. Kalina, B. Sednitzky-Semler, S. Eigner, *Austria*
- 153 **HYPERTROPHIC CRANIAL PACHYMENINGITIS: DIAGNOSTIC AND THERAPEUTIC CHALLENGES**
Emna Farhat, L. Rais, H. Derbali, M. Mansour, J. Zaouali, R. Mrissa, *Tunisia*
- 154 **A CROSS-SECTIONAL SURVEY OF HEADACHES AMONG SECONDARY SCHOOL STUDENTS IN ABEOKUTA, NIGERIA: PRELIMINARY DATA**
Philip Babatunde Adebayo, F.M. Otubogun, B.A. Alalade, O.A. Dawodu, R.O. Akinyemi, A. Ajani, *Nigeria*
- 155 **DEPRESSION AND PAIN IN MCI PATIENTS - COGNITIVE REHABILITATION**
Mona Andreea Blaciotti, L. Spiru, *Romania*
- 156 **CONTRIBUTION OF DN4 QUESTIONNAIRE IN THE DIAGNOSIS OF NEUROPATHIC PAIN**
Salma Naija, S. Ben Amor, I. Chatti, W. Achour Moeddeb, M.S. Harzallah, L. Ben Slamia, T. Lammouchi, S. Benammou, *Tunisia*
- 157 **SPONTANEOUS INTRACRANIAL HYPOTENSION UNDER DIAGNOSED COMPLICATED BY SUBDURAL HEMATOMA FOLLOWING LUMBAR PUNCTURE**
Nissrine Louhab, N. Adali, O. Haimer, S. Ait BenAli, N. Kissani, *Morocco*

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- 158 **PLACE OF THE SCANNER IN THE CRANIOBRAIN ASSESSMENT OF CHRONIC HEADACHE**
Dabou Abiba Moumouni Tamou Tabe, K.A.E. Moumouni, A. Setcheou, P. Yapo, K. Keita, *Ivory Coast*
- 159 **A RARE FORM OF MIGRAINE: SPORADIC HEMIPLEGIC MIGRAINE: CASE REPORT**
Slim Echabbi, I. Ben Abdelaziz, H. Khiari-Mrabet, N. Ben Abdelaziz, A. Mrabet, *Tunisia*
- 160 **CHILDHOOD'S CHRONIC HEADACHE IN CHILDREN'S NATIONAL HOSPITAL OF ALBERT ROYER IN DAKAR**
Lala Bouna Seck, M. Kanoute, S. Ould Lemine, A.D. Sow, M. Ndiaye, L. Gueye, A.G. Diop, M.M. Ndiaye, *Senegal*
- 161 **TRIGEMINAL AUTONOMIC CEPHALGIAS - CASE REPORT**
Taysa Litaiff Isper Abraham, L.C. Meguins, F.D. Lima, F.N. Oliveira, G.B. Sampaio, *Brazil*
- 162 **SELF MANAGEMENT OF HEADACHE: A CROSS-SECTIONAL SURVEY IN THE GENERAL PUBLIC OF ISLAMABAD, PAKISTAN**
Saad Sultan Ghumman, D.M. Nadeem, M.U. Azeem, A.J. Nawaz, Z.H. Khan, S.M. Mazhar, R.M. Kakar, A.A. Khan, *Pakistan*
- 163 **ANALGESIC EFFECT OF AESTHETIC PACKAGING DESIGN IN TREATMENT OF HEADACHES**
Zineb Ouazzani Touhami, L. Benlafkih, Y. Cherrah, A. Benomar, *Morocco*
- 164 **THE ROLE OF COMPLEMENTARY AND ALTERNATIVE MEDICINES IN THE MANAGEMENT OF FIBROMYALGIA. A SYSTEMATIC REVIEW**
Ashraf El-Metwally, V. De Silva, E. Ernst, G. Lewith, G. Macfarlane, The Arthritis Research UK Working Group on Complementary and Alternative Medicines, *Saudi Arabia*

HISTORY OF NEUROSCIENCE

- 165 **THE "MINOR" ALOIS ALZHEIMER BEFORE THE DISCOVERY OF THE EPONYMOUS DISORDER**
Anna Piro, G. Tagarelli, P. Lagonia, A. Gambardella, A. Quattrone, A. Tagarelli, *Italy*

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- 166 **"SCHWANN CELLS", A HISTORICAL LANDMARK IN NEUROLOGY**
Anna Piro, G. Tagarelli, P. Lagonia, A. Gambardella, A. Quattrone,
A. Tagarelli, *Italy*
- 167 **HISTORY OF NEURONAL AND VASCULAR THEORIES OF MIGRAINE
FROM 1873 AND ONWARD**
Peer Tfelt-Hansen, *Denmark*
- 168 **BORIS SMIRNOV, NEUROLOGIST, NEUROSURGEON AND
TRANSLATOR OF MAHABHARATA**
Dmitriy Labunskiy, *USA*
- 169 **TOURETTE'S SYNDROME; FROM DEMONIC POSSESSION AND
PSYCHOANALYSIS TO THE DISCOVERY OF GENES**
Francisco Manoel Branco Germiniani, A.P. Paranhos Miranda,
P. Ferenczy, R. Puppi Munhoz, H.A. Guizoni Teive,
Movement Disorders Study Group, *Brazil*
- 170 **HISTORY OF STROKES IN TOGO (1975-2010)**
Silvère Kevi, E.K. Grunitzky, B. Noto-Kadou-Kaza, K.S. Assogba,
R. Barry-Barque, A.L. Balogou, *Togo*
- 171 **THE ACHIEVEMENTS OF ALBUCASIS IN NEUROSURGERY**
M. Ihsan Kaadan, *Syria*
- 172 **WHY ANTI-AMYLOID THERAPY WON'T CURE ALZHEIMER'S DISEASE
AND IS A WASTE OF TIME AND PUBLIC FUNDS?**
Alexei Koudinov, T. Berezov, *Russia*

IMAGING

- 173 **CREATIVITY IN MUSIC: BRAIN ACTIVATION DURING RHYTHM
PRODUCTION**
Eliana Roldan Gerschovich, M.F. Villareal, D. Cerquetti, R. Allegri,
A. Frega, S. Carusso, V. Schwarcz, R. Leiguarda, *Argentina*
- 174 **DIFFUSION TENSOR MRI TRACTOGRAPHY (DTT) IDENTIFIES ALTERED
BRAINSTEM FIBER CONNECTIONS ACCOMPANYING AGENESIS OF
THE CORPUS CALLOSUM (ACC)**
Alexander P. Auchus, J. Huang, J. Chen, H. Cai, R.P. Friedland,
M.Z. Koubeissi, D.H. Laidlaw, *USA*

**POSTER SESSION 5:
IMAGING (contd.)**

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- 175 **MRI VOLUMETRY OF THE TEMPORAL LOBE IN PEOPLE OF CENTRAL SUDAN: PRELIMINARY NORMATIVE DATA**
Mohamed Abdelsalam Nourein, M.S. Elmagzoub, E. Osman, A. Jabir, A. Mohamednur, *Sudan*
- 176 **NEUROPSYCHOLOGICAL CORRELATES OF REGIONAL CEREBRAL BLOOD FLOW IN PATIENTS WITH ALZHEIMER'S DISEASE**
Daiki Takano, T. Yamazaki, T. Maeda, Y. Satoh, M. Watanabe, T. Shinoda, R. Muraoka, K. Nagata, *Japan*
- 177 **EFFECT OF LEVODOPA ON NEURONAL ACTIVITY IN SUBSTANTIA NIGRA: LEVODOPA SPOIL MIDBRAIN NEURONAL ACTIVITY? FROM THE FINDING OF 1H-MRS**
Katsuyoshi Isonishi, *Japan*
- 178 **MORPHOLOGICAL AND METABOLIC EVALUATION OF BRAIN TUMORS**
Najwa Ech-Cherif El Kettani, M. Fikri, Y. Arkha, A. Melhaoui, L. Rifi, M.R. El Hassani, S. Sefiani, A. El Khamlichi, M. Jiddane, *Morocco*
- 179 **THE USEFULNESS OF FRACTIONAL ANISOTROPY IN ALS DIAGNOSIS**
P. Szewczyk, **Slawomir Budrewicz**, M. Koszewicz, K. Slotwinski, R. Podemski, *Poland*
- 180 **DYNAMICS OF DIFFUSION TENSOR IMAGING AND MR SPECTROSCOPY FINDINGS IN CREUTZFELDT-JACOB DISEASE PATIENT**
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