



54th INPC

PULA 2014

**54th International
Neuropsychiatric
Pula Congress**

June 18-21, 2014 Pula, Croatia

www.pula-cong.com

South East European Society for Neurology and Psychiatry
INTERNATIONAL NEUROPSYCHIATRIC PULA CONGRESS
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The 54th International Neuropsychiatric Pula Congress
under the High Patronage of the President of Republic of Croatia

His Excellency Prof. dr. sci. **Ivo Josipović**

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INPC KURATORIUM
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WORLD FEDERATION OF NEUROLOGY



WORLD FEDERATION OF NEUROLOGY, APPLIED RESEARCH GROUP
ON THE ORGANISATION AND DELIVERY OF CARE

INTERNATIONAL INTERDISCIPLINARY MEDICINE ASSOCIATION

EUROPEAN PSYCHIATRIC ASSOCIATION

CENTRAL AND EASTERN EUROPEAN STROKE SOCIETY

Venue

Hotel „Park Plaza Histria” – Pula, Croatia

PROGRAM

Wednesday June 18th

Bianchera

15:00 – 17:00

**7th INTERNATIONAL EPILEPSY SYMPOSIUM IN PULA
“HOW TO TREAT DIFFICULT-TO-TREAT EPILEPSIES”**

Chairperson: Hrvoje Hećimović (Zagreb, Croatia)
HOW TO APPROACH DIFFICULT-TO-TREAT EPILEPSIES
Hrvoje Hećimović (Zagreb, Croatia)
DIFFICULT TO TREAT EPILEPSIES IN CHILDREN
Maša Malenica (Zagreb, Croatia)
DIFFICULT TO TREAT EPILEPSIES IN ADULTS
Nikola Vojvodić (Belgrade, Serbia)
FUNCTIONAL NEUROIMAGING: SPECT AND PET IN EPILEPSIES
Sunčana Divošević (Zagreb, Croatia)
EPILEPSY SURGERY AND OUTCOMES
Tomislav Sajko (Zagreb, Croatia)

Bianca Istriana

15:00 – 17:00

ATTENTION DEFICIT HYPERACTIVITY DISORDER – TRUTHS AND FABLES

ADHD – TRUTHS AND FABLES
Dubravka Kocijan Hercigonja (Zagreb, Croatia)
CONCLUSIONS FROM „ROUND TABLE“ – A MULTIDISCIPLINARY APPROACH
IN THE DETECTION, DIAGNOSIS AND TREATMENT OF CHILDREN WITH ADHD
Dubravka Kocijan Hercigonja (Zagreb, Croatia), Vesna Hercigonja Novković
(Zagreb, Croatia)
GROUP TREATMENT OF CHILDREN WITH ADHD
Martina Gajski (Zagreb, Croatia), Dina Koren (Zagreb, Croatia)
ADHD IN CHILDREN AND EXPOSURE TO ABUSE
Gordana Buljan Flander (Zagreb, Croatia), Domagoj Štimac (Zagreb, Croatia),
Renata Čorić Špoljarić (Zagreb, Croatia), Dora Kralj (Zagreb, Croatia)

Ulika

17:00 – 18:30

**AbbVie SATELLITE SYMPOSIUM
UNMET NEEDS IN THE TREATMENT OF PATIENTS WITH ADVANCED
PARKINSON'S DISEASE**

PROGRESSION OF PARKINSON'S DISEASE: WHAT ARE THE PROBLEMS?
Vladimir Kostić (Belgrade, Serbia)

THERAPY OF ADVANCED PARKINSON'S DISEASE

Zlatko Trkanjec (Zagreb, Croatia)

CLINICAL EXPERIENCE OF THE NEUROLOGY DEPARTMENT, UNIVERSITY HOSPITAL AND
MEDICAL FACULTY IN OSIJEK WITH CONTINUOUS APPLICATION OF LEVODOPA/CARBIDOPA
GEL IN ADVANCED STAGES OF PARKINSON'S DISEASE

Silva Butković Soldo (Osijek, Croatia)

Bianca Istriana

18:30 – 19:30

**ACTIVITIES OF ASSOCIATION OF PEOPLE'S HEALTH „ANDRIJA ŠTAMPAR“
IN STROKE PREVENTION**

GENERAL ACTIVITIES OF ASSOCIATION OF PEOPLE'S HEALTH „ANDRIJA ŠTAMPAR“
Danko Relić (Zagreb, Croatia)
ACTIVITIES OF ASSOCIATION IN STROKE PREVENTION
Jakov Ivković (Zagreb, Croatia)
PREVENTIVE ACTIVITIES OF ASSOCIATION IN CARDIOVASCULAR DISEASES PREVENTION
Ivan Barišić (Požega, Croatia)
LOGOTHERAPEUTIC APPROACH IN CLINICAL PRACTICE
Ivan Vukoja (Požega, Croatia), Lucija Bagarić Krakan (Zagreb, Croatia)

Bianchera

18:30 – 19:30

**Round table: NEW LAW ON THE PROTECTION OF PERSONS
WITH MENTAL DISORDERS (In Croatian)
NOVI ZAKON O ZAŠTITI OSOBA S DUŠEVNIM SMETNJAMA**

Chairperson: Vlado Jukić (Zagreb, Croatia)
Participants: Nadica Buzina, Miroslav Goreta, Danica Kramarić, Ivan Požgain,
Davorka Smoljanić

Thursday, June 19th

Ulika

09:00 – 10:00

OPENING CEREMONY

Guest lecture:
RAAD SHAKIR, President of World Federation of Neurology
WORLD OF NEUROLOGY: THE WAY AHEAD

10:00 – 11:30

Main Theme: LIFESTYLE AND PREVENTION OF BRAIN IMPAIRMENT

Chairpersons: Vida Demarin (Zagreb, Croatia), Kurt Niederkorn (Graz, Austria)
INTERCELLULAR COMMUNICATION VIA EXOSOMES OF MASTER MICRORNA MOLECULAR
SWITCHES FOR THE TREATMENT OF NEURAL INJURY AND DISEASES
Michael Chopp (Detroit, USA)

	HEALTHY LIFESTYLE AND PREVENTION OF BRAIN IMPAIRMENT Vida Demarin (Zagreb, Croatia)
	MUSIC AND THE BRAIN Moises Gaviria (Chicago, USA)
11:30 – 12:00	COFFEE BREAK
12:00 – 13:30	MODIFYING STRESS – PRESERVING BRAIN HEALTH Veljko Đorđević (Zagreb, Croatia)
	THE AUSTRIAN STROKE PREVENTION STUDY – DESIGN AND RESULTS Kurt Niederkorn (Graz, Austria)
	THE ROLE OF LIFESTYLE MODIFIERS IN ALZHEIMER'S DISEASE Euphrosyni S. Koutsouraki (Thessaloniki, Greece)
13:30 – 15:00	LUNCH BREAK
	<i>Chairpersons:</i> Maja Relja (Zagreb, Croatia), Norbert Müller (Münich, Germany)
15:00 – 17:00	MENTAL DISORDERS IN RADIATION ENCEPHALOPATHY Boris Tsygankov (Moscow, Russia)
	INTRODUCING BRAIN ECOLOGY PROJECT Alexey Danilov (Moscow, Russia)
	INTEGRATIVE DANCE/MOVEMENT PSYCHOTHERAPY: CAPABILITIES, COMBINATIONS WITH OTHER METHODS AND PROSPECTS Elena Gayvoronskaya (Voronezh, Russia)
	EXERCISE AND DANCE COULD IMPROVE MOBILITY AND QUALITY OF LIFE IN PARKINSON'S DISEASE PATIENTS Maja Relja (Zagreb, Croatia)
17:00 – 17:30	COFFEE BREAK
17:30 – 19:30	PSYCHIATRIC DISORDERS IN HIGH PERFORMANCE ATHLETES Valentin Markser (Köln, Germany), Karl Jürgen Bär (Jena, Germany)
	THE ROLES OF VITAMINES D AND B6 IN INFLAMMATION AND PSYCHIATRIC DISORDERS Norbert Müller (Münich, Germany)
	MOOD FOOD COMPOUNDS SUPPRESS TRYPTOPHAN BREAKDOWN BY INDOLEAMINE 2,3-DIOXYGENASE (IDO) IN VITRO Dietmar Fuchs (Innsbruck, Austria)
	THE ROLE OF MAGNESIUM DEFICIENCY IN DEPRESSION Nicolas Singewald (Innsbruck, Austria)

Friday, June 20th

Bianca Istriana 9:00 – 10:30	3rd SYMPOSIUM ON INTERFACE PROVIDERS IN NEUROREHABILITATION <i>Chairpersons:</i> Raphael Béné (Zagreb, Croatia), Natko Beck (Zagreb, Croatia)
	NEUROPLASTICITY IN THE ADULT BRAIN: WHY IT'S SO IMPORTANT? Vida Demarin (Zagreb, Croatia)
	INTERFACE PROVIDERS AT A CELL LEVEL: THE STEM CELL REVOLUTION Michael Chopp (Detroit, USA)
	ILLUSION OF MOVEMENT AS AN INTERNAL INTERFACE MODEL FOR REHABILITATION Raphael Béné (Zagreb, Croatia)
	INTERFACES FOR AUGMENTATIVE AND ALTERNATIVE COMMUNICATION Natko Beck (Zagreb, Croatia)
	ASSISTIVE TECHNOLOGY AND DAILY REHABILITATION CARE IN PULA Ines Delzotto (Pula, Croatia)
10:30 – 11:00	COFFEE BREAK
Belica 11:00 – 12:30	BUILDING PARTNERSHIP BETWEEN CLINICIANS AND FAMILY MEMBERS TO IMPROVE OUTCOMES FOR THE SERIOUSLY MENTALLY ILL <i>Chairperson:</i> Donald B. Brown (New York, USA)
Bianca Istriana 11:30 – 13:00	SOLPHARM / SHIRE SATTELITE SYMPOSIUM CAN WE PROPOSE A COMMON APPROACH TO DIAGNOSIS, TREATMENT AND FOLLOW-UP OF ANDERSON-FABRY DISEASE IN SEE REGION? <i>Chairperson:</i> Vanja Bašić Kes (Croatia)
	WELCOME AND INTRODUCTION: IMPORTANCE OF GUIDELINES IN MANAGEMENT OF LSDS Vanja Bašić Kes (Croatia)
	CROATIAN GUIDELINES FOR DIAGNOSIS, THERAPY & FOLLOW-UP OF ANDERSON-FABRY DISEASE Vanja Bašić Kes (Croatia)
	ROMANIAN FABRY DISEASE TREATMENT PROTOCOL Adela Chirita (Romania)
	BULGARIAN GUIDELINES FOR FABRY DISEASE MANAGEMENT – CARDIOLOGIST'S VIEW Svetlin Tsonev (Bulgaria)
	Round Table: DISCUSSION ON SEE CONSENSUS ON DIAGNOSIS, TREATMENT & FOLLOW-UP OF ANDERSON-FABRY DISEASE <i>Chairperson:</i> Vanja Bašić Kes (Croatia)
	Participants: Vanja Bašić Kes (Croatia), Maria Puiu (Romania), Adela Chirita (Romania), Svetlin Tsonev (Bulgaria), Aleksandra Pavlović (Serbia)

13:00 – 15:00

LUNCH BREAK

15:00 – 16:30

POSTER SESSIONS

Neurology: 15:00 - 15:45

Chairpersons: Zlatko Trkanjec (Zagreb, Croatia), Dragutin Kadojić (Osijek, Croatia)

Psychiatry: : 15:45 - 16:30

Chairpersons: Veljko Đorđević (Zagreb, Croatia), Marijana Braš (Zagreb, Croatia)

Bianca Istriana

MANAGEMENT OF CEREBRAL ANEURYSMS

16:30 – 18:00

Chairpersons: Kurt Niederkorn (Graz, Austria), Günther Lanner (Klagenfurt, Austria)

SUBARACHNOID HEMORRHAGE – THE NEUROLOGISTS VIEW

Thomas Gattringer (Graz, Austria)

ENDOVASCULAR TREATMENT OF INTRACRANIAL ANEURYSMS

Günther Erich Klein (Graz, Austria)

NEUROSURGICAL TREATMENT OF CEREBRAL ANEURYSMS

Günther Lanner (Klagenfurt, Austria)

Belica

PALLIATIVE CARE FROM THEORY TO PRACTICE - CHALLENGES AND OPPORTUNITIES

16:30 – 18:00

Chairpersons: Julijana Franinović Marković (Pula, Croatia), Veljko Đorđević (Zagreb, Croatia)

ORGANISATION OF COMMUNITY PALLIATIVE CARE SERVICE IN THE COUNTY OF ISTRIA

Julijana Franinović Marković (Pula, Croatia), Sonja Grozić Živolić (Pula, Croatia),

Roberta Katačić (Pula, Croatia), Ante Ivančić (Pula, Croatia)

MULTIDISCIPLINARY MOBILE PALLIATIVE CARE TEAM (ORGANISATION AND TASKS)

Diego Brumini (Pula, Croatia), Bosiljka Kovačević (Pula, Croatia)

EMOTIONAL OUTCOME IN MOBILE PALLIATIVE CARE TEAM

Tomislav Peharda (Pula, Croatia)

HOW TO INTEGRATE PSYCHOLOGICAL SUPPORT IN PALLIATIVE CARE IN CROATIA

Marijana Braš (Zagreb, Croatia)

COMMUNICATION IN PALLIATIVE MEDICINE – THE ROLE OF CEPAMET

Veljko Đorđević (Zagreb, Croatia)

THE ROLE OF VOLUNTEERS IN PALLIATIVE CARE

Danica Kuzmanović (Pula, Croatia), Nika Spasić (Pula, Croatia), Irena Grahovac

(Pula, Croatia)

Ulika

SECONDARY STROKE PREVENTION IN PATIENTS WITH ATRIAL FIBRILLATION

18:00 – 19:30

Chairpersons: Silva Butković Soldo (Osijek, Croatia), Vida Demarin (Zagreb, Croatia), Ivan Bielen (Zagreb, Croatia)

ATRIAL FIBRILLATION AND STROKE

Vida Demarin (Zagreb, Croatia)

WARFARIN: GOLD STANDARD OF ANTICOAGULANT THERAPY

Hrvoje Budinčević (Zagreb, Croatia)

DIFFERENCES AMONG NOVEL ORAL ANTICOAGULANTS

Ivan Bielen (Zagreb, Croatia)

IS THE ACETYLSALICYLIC ACID A GOOD CHOICE FOR PATIENTS WITH ATRIAL FIBRILLATION

Zlatko Trkanjec (Zagreb, Croatia)

Bianca Istriana

FORENSIC PSYCHIATRY

18:00 – 19:30

Chairpersons: Đulijano Ljubičić (Rijeka, Croatia), Vera Folnegović Šmalc (Zagreb, Croatia), Boris Tsygankov (Moscow, Russia)

ASSESSING THE CAPACITY TO PROVIDE A CREDIBLE TESTIMONY IN CHILDREN VICTIMS OF CRIME

Dubravka Kocijan Hercigonja (Zagreb, Croatia), Gordana Buljan Flander (Zagreb, Croatia)

PERSONALITY DISORDERS IN FORENSIC PSYCHIATRY

Tija Žarković Palijan (Popovača, Croatia)

CAPACITY TO TESTIFY – DIMENSIONAL APPROACH?

Vesna Šendula Jengiđ (Rab, Croatia)

INTRUSIVE BEHAVIOR (STALKING) – A NEW CHALLENGE IN THE FORENSIC FIELD?

Gordan Bošković (Rab, Croatia)

THE PHENOMENON OF VIOLENCE IN FORENSIC PSYCHIATRY

Vesna Šendula Jengiđ (Rab, Croatia)

FORENSIC PSYCHIATRY IN SLOVENIA: CLINICAL, LEGAL AND ETHICAL ISSUES

Jure Koprivšek (Maribor, Slovenia), Andreja Čelofiga (Maribor, Slovenia)

19:30

KURATORIUM MEETING

Saturday, June 21st

Ulika

09:00 – 13:00

Joint Meeting with Alps-Adria Neuroscience Section, WFN Applied Research Group on the Organisation and Delivery of Care and Central and Eastern European Stroke Society:

DIFFERENT THERAPEUTIC APPROACHES

Chairpersons: Leontino Battistin (Padova, Italy), Vida Demarin (Zagreb, Croatia)

IMPLEMENTATION OF TELESTROKE NETWORK IN SLOVENIA

Bojana Žvan (Ljubljana, Slovenia)

MANAGEMENT OF INTRACRANIAL STENOSIS

Nadežda Čovičković Šternić (Belgrade, Serbia)

DECOMPRESSIVE SURGICAL INTERVENTIONS IN STROKE

Ljiljana Beslač Bumbaširević (Belgrade, Serbia)

HERBAL DRUGS ARE ALWAYS SAFE?

Anna Czlonkowska (Warsaw, Poland)

NEUROREHABILITATION FOR A BETTER LIFESTYLE

Peter Kapeller (Villach, Austria)

THE COMPLEMENTARY THERAPY OF MULTIPLE SCLEROSIS

Azra Alajbegović (Sarajevo, BiH)

HOW DO WE TREAT REFRACTORY MIGRAINE

Marjan Zaletel (Ljubljana, Slovenia)

HOW DO WE TREAT PARKINSON'S DISEASE

Zlatko Trkanjec (Zagreb, Croatia)

HOW DO WE TREAT MULTIPLE SCLEROSIS

Vanja Bašić Kes (Zagreb, Croatia)

13:00

CLOSING CEREMONY



This meeting is endorsed by the World Federation of Neurology.
WFN members and all interested neurologists are encouraged to attend.
The meeting is open to all neurologists regardless of citizenship.

54th INTERNATIONAL NEUROPSYCHIATRIC PULA CONGRESS

3rd European Psychopathology Summer School in Pula and Inaugural Symposium Evolutionary Psychopathology

Chairpersons: Karl Bechter, Francesco Benedetti, Martin Brüne

FRIDAY, June 20th, 2014 **Bianchera**

09:00 – 10:30 **SPORTS THERAPY IN PSYCHIATRY**

Chairpersons: Karl Jürgen Bär (Jena, Germany), Johannes Schröder (Heidelberg, Germany)

THE ROLE OF EXERCISE THERAPY FOR PSYCHIATRIC CONDITIONS
Karl Jürgen Bär (Jena, Germany), Valentin Markser (Köln, Germany)

11:00 – 12:30 **EVOLUTIONARY PSYCHOPATHOLOGY: INSIGHTS FROM ANIMAL MODELS, CROSS-CULTURAL APPROACHES TO NEUROSCIENCE**

Chairpersons: Martin Brüne (Bochum, Germany), Szabolcs Keri (Szeged, Hungary)

NONVERBAL BEHAVIOUR IN PSYCHOPATHOLOGY: WHY WE NEED TO REVIVE
THE INTERPERSONAL DIMENSION IN CLINICAL PSYCHIATRY

Martin Brüne (Bochum, Germany)

SCHIZOPHRENIA AND NATURAL SELECTION: IS CREATIVITY THE “MISSING LINK”?

Szabolcs Keri (Szeged, Hungary)

RELATIONSHIPS BETWEEN EARLY MALADAPTIVE SCHEMAS, LEVEL OF COUPLE
SATISFACTION AND INDIVIDUAL MATE POTENTIAL – AN EVOLUTIONARY PSYCHOLOGICAL
INVESTIGATION

Alina Rusu (Cluj, Romania)

17:00 – 18:30 **EVOLUTIONARY ASPECTS OF NEUROLOGICAL SOFT SIGNS**

Johannes Schröder (Heidelberg, Germany)

SHARED NEURAL ACTIVATIONS IN THE RECALL OF WAKING FANTASIES AND OF DREAMS

Francesco Benedetti (Milan, Italy)

THE SEXUAL-EXCRETORY (MAL?) – CONSTRUCTED ORGAN – AN INBORN SOURCE
OF PSYCHODYNAMIC CONFLICT

Karl Bechter (Günzburg, Germany)



“Under the patronage of EPA”



2nd PULA NEURO-INTERDISCIPLINARY SCHOOL 16 – 21 June, 2014

“Brain, mind and pain: multimodal (bio-psycho-social) approach to pain management”

UNDER THE PATRONAGE OF THE INTERNATIONAL INTERDISCIPLINARY MEDICINE ASSOCIATION

MONDAY, June 16, 2014

Taverna

- 11.00 – 13.00 D. A. Gusakova (Moscow, Russia) – endocrinologist, “Prof. Kalinchenko’s Clinic”
VITAMIN D AND ITS EFFECT ON TESTOSTERONE (PRACTICAL SESSION). PREPARATIONS AND DOSAGE OF VITAMIN D.
- 13.00 – 15.00 Y.A. Tishova (Moscow, Russia) – associate professor at the Department of endocrinology at Peoples’ Friendship University of Russia
S.Y. Kalinchenko (Moscow, Russia) - professor, head of the Department of endocrinology at Peoples’ Friendship University of Russia, Vice-President of the Russian branch of the European Society for the Study of aging male.
TESTOSTERONE. PLACE OF SYNTHESIS. CLINICAL MANIFESTATIONS OF TESTOSTERONE DEFICIENCY AND EXCESS. USE OF TESTOSTERONE PREPARATIONS IN THE TREATMENT OF HYPOGONADISM IN MEN AND WOMEN.
- 15.00 – 16.00 E.A. Grekov (Moscow, Russia) – head of the Department of urology, “Prof. Kalinchenko’s Clinic”
S.Y. Kalinchenko (Moscow, Russia) – professor, head of the Department of endocrinology at Peoples’ Friendship University of Russia, Vice-President of the Russian branch of the European Society for the Study of aging male.
DIHYDROTESTOSTERONE. PLACE OF SYNTHESIS. CLINICAL MANIFESTATIONS OF DHT DEFICIENCY AND EXCESS. USE OF DIHYDROTESTOSTERONE PREPARATIONS IN MEN AND WOMEN.

TUESDAY, June 17, 2014

Taverna

- 10.00 – 13.00 **SATELLITE SYMPOSIUM of ABBOTT company “Woman`s health”**
Handre Demirdere – head of the department “Woman`s and man`s health” Abbott EPD, Russia
S.Y. Kalinchenko (Moscow, Russia)‡ professor, head of the Department of endocrinology at Peoples’ Friendship University of Russia, Vice-President of the Russian branch of the European Society for the Study of aging male.
L.O. Vorslov (Moscow, Russia) – professor, head of the Department of endocrinology at Peoples’ Friendship University of Russia.

- 15.00 – 17.00 S.Y. Kalinchenko (Moscow, Russia) - professor, head of the Department of endocrinology at Peoples’ Friendship University of Russia,
ESTROGENS. PLACE OF SYNTHESIS. CLINICAL MANIFESTATIONS OF ESTROGEN DEFICIENCY AND EXCESS. USE OF ESTROGEN PREPARATIONS IN THE TREATMENT OF HYPOGONADISM IN MEN AND WOMEN.

- 17.00 – 18.00 **SATELLITE SYMPOSIUM of ABBOTT company “Estrogen deficiency”**
Y. A. Tishova (Moscow, Russia) – associate professor at the Department of endocrinology at Peoples’ Friendship University of Russia

- 18.00 – 19.00 **OPENING CEREMONY of the 2nd Neuro-interdisciplinary School “Brain, mind and pain”**

Vida Demarin – M.D., Ph.D., Master of Science and Doctor of Philosophy degrees in the School of Medicine at the University of Zagreb, Croatia, a full-time professor at the University of Zagreb (Zagreb, Croatia)

THE ART OF HEADACHE MANAGEMENT THROUGH HISTORY

Alexey Danilov (Moscow, Russia)- professor at the Department of neurology at I.M. Sechenov First Moscow State Medical University, executive director of the Interdisciplinary Medicine Association (Moscow, Russia).

MIND AND PAIN

WEDNESDAY, June 18, 2014

Taverna

- 10.00 – 13.00 **INTERACTIVE WORKSHOP. MODERN TRENDS IN PHARMACOTHERAPY OF PAIN SYNDROMES**
1. A. Danilov (Moscow, Russia). HOW TO CHOOSE A DRUG FOR THE PAIN TREATMENT?
2. V. Shirokov (Ekaterinburg, Russia) professor. PECULIARITY OF DIAGNOSIS AND DIFFERENTIATED THERAPY OF SPONDYLOGENIC PAIN SYNDROMES.
3. M. Sharov (Moscow, Russia) professor. MODERN APPROACHES TO THE UNDERSTANDING AND TREATMENT OF DYSFUNCTIONAL PAIN SYNDROMES.
- 13.00 – 14.00 **Lunch followed by group discussion on the topic of morning session**
- 14.00 – 17.00 Andrey Danilov (Moscow, Russia) – professor at the Department of neurology at I.M. Sechenov First Moscow State Medical University
PHARMACOTHERAPY OF PAIN. SELECTING THE BEST MEDICINE FOR TREATING PAIN.

Alexey Danilov - professor at the Department of neurology at I.M. Sechenov First Moscow State Medical University

INTERACTIVE COURSE - THE ART OF HEADACHE MANAGEMENT

Marijana Braš

DOCTOR-PATIENT COMMUNICATION: The person-centered medical interview

Veljko Đorđević

PSYCHOTHERAPY IN PATIENTS WITH HEADACHE

Tomislav Kuljiš

ORIGIN OF INEFFICIENT STRESS COPING MECHANISMS AND PTSP

Elena Anisimova – neurologist.

STRESS MANAGEMENT AS A BASIS FOR PAIN MANAGEMENT

17.00 – 17.30

Lecture

L.B. Novikova (Kazakhstan, Ufa) professor, the chief neurologist of Bashkortostan Republic.

POST AFTER STROKE

18.00 – 20.00

L.O. Vorslov (Moscow, Russia) – professor

INSULIN. PLACE OF SYNTHESIS. CLINICAL MANIFESTATIONS OF INSULIN DEFICIENCY AND EXCESS.

17.00 – 18.30

SYMPOSIUM COMMUNICATION AGAINST PAIN

Park Plaza Histria – Executive B (Bianca Istriana)

„Silent Screams“ by Natalija Đorđević

THURSDAY, June 19, 2014

Ulika

10:00 – 11:30

Michael Chopp, (Detroit, USA)

INTERCELLULAR COMMUNICATION VIA EXOSOMES OF MASTER MICRORNA MOLECULAR SWITCHES FOR THE TREATMENT OF NEURAL INJURY AND DISEASES

Vida Demarin, (Zagreb, Croatia)

HEALTHY LIFESTYLE AND PREVENTION OF BRAIN IMPAIRMENT

Moises Gaviria, (Chicago, USA)

MUSIC AND THE BRAIN

Taverna

11:30 – 13:30

SATELLITE SYMPOSIUM of ABBOTT company “All about progesteron”

S.Y. Kalinchenko (Moscow, Russia) – professor

L.O. Vorslov (Moscow, Russia) – professor

M.I. Zhilenko (Moscow, Russia) - head of the Department of gynecology,

“Prof. Kalinchenko's Clinic”

13:30 – 15:30

Lunch followed by discussion

Ulika

15:00 – 17:00

Boris Tsygankov - professor (Moscow, Russia)

MENTAL DISORDERS IN RADIATION ENCEPHALOPATHY

Alexey Danilov (Moscow, Russia)

INTRODUCTION OF BRAIN ECOLOGY PROJECT

Elena Gayvoronskaya -professor (Voronezh, Russia)

INTEGRATIVE DANCE/MOVEMENT PSYCHOTHERAPY: CAPABILITIES, COMBINATIONS WITH OTHER METHODS AND PERSPECTIVES

Maja Relja (Zagreb, Croatia)

EXERCISE AND DANCE COULD IMPROVE MOBILITY AND QUALITY OF LIFE IN PARKINSON'S DISEASE PATIENTS

FRIDAY, June 20, 2014

Bianca Istriana

9:00 – 10:30

3rd INTERFACE PROVIDERS IN NEUROREHABILITATION SYMPOSIUM

Chairpersons: Raphael Béné (Zagreb, Croatia), Natko Beck (Zagreb, Croatia)

Taverna

11:00 – 16:00

V. P. Tkachev – PhD, dermatologist, endocrinologist, Vice President of Professional

Trichologists Association. Member of international trichology association IAT.

Head of the course of medical trichology

SUN EFFECT ON THE HAIR CONDITION.

ANDROGENETIC ALOPECIA – MYTHS AND REALITIES. COMPLEX TREATMENT.

EFFECT OF HRT DRUGS ON HAIR CONDITION.

1. RELATIONSHIP BETWEEN ESTIMATED PRE-MORBID IQ AND NEUROPSYCHOLOGICAL MEASURES OF BRAIN INJURED INDIVIDUALS IN AN ACUTE REHAB SETTING

Herceg M., Bonistall K., Spencer J.
Burke Rehabilitation Hospital, White Plains, USA

2. MODELING OF RTMS IN EPILEPTIC BRAIN

Kistsen V.V., Evstigneev V.V., Davydov M.V.
Belarussian medical academy of postgraduate education, Minsk, Belarus

3. LESION THE SIXTH CEREBRAL NERVE IN PATIENT WITH MULTIPLE MYELOMA

Radić B., Bašić Kinda S., Radić P., Rončević P., Aurer I., Nemet D., Unušić L.
Clinical Hospital Center Zagreb, School of Medicine, Zagreb, Croatia

4. TONGUE SOMATOSENSORY EVOKED POTENTIALS IN MULTIPLE SCLEROSIS

Radić B., Krbot Skorić M., Adamec I., Gabelič T., Habek M., Radić P.
Clinical Hospital Center, School of Medicine, Zagreb, Croatia

5. BILATERAL TEMPORAL LOBE AGENESIS WITH ASTROCYTOMAS

Radić B., Hajnšek S., Nanković S., Petrović R., Petelin-Gadže Ž., Kovačević-Čaić I., Radić P., Šulentić V.
Zagreb University Hospital Center, Zagreb, Croatia

6. SIMULTANEOUS BILATERAL THALAMIC HEMORRHAGE: CASE REPORT

Lazarova S., Barbov I., Georgievska A.
University Clinic for neurology, Skopje, Macedonia

7. EFFECTS OF LONG-TERM PLAYING VIDEO AND COMPUTER GAMES ON CHILDREN'S COGNITIVE DEVELOPMENT

Gordana Lastrić G., Sadibašić B.
Cantonal Hospital Zenica, Zenica, Bosnia and Herzegovina

8. EPILEPSY AFTER ISCHAEMIC STROKE

Jashari R., Jashari F., Shala A.
University clinical center of Kosovo, Pristina, Kosovo

9. HYPERTENSION IN ADMISSION IS ASSOCIATED WITH LOWER RISK OF EARLY SEIZURES AFTER STROKE

Hundozi Z., Jashari F., Shala A.
University Clinical Center of Kosovo, Pristina, Kosovo

10. STATIN THERAPY IS ASSOCIATED WITH LOWER IN HOSPITAL MORTALITY RATE IN PATIENTS WITH ISCHAEMIC STROKE

Shala A., Lila G., Boshnjaku D.
University Clinical Center of Kosovo, Pristina, Kosovo

11. DIFFERENCES IN OCCURRENCE OF STROKE IN THE FIELD INTERVENTIONS OF INSTITUTE OF EMERGENCY MEDICINE OF COUNTY OF ISTRIA IN PULA DURING THE YEARS 2012 AND 2013

Lazičić-Putnik Lj., Radošević S., Družetić-Božić K., Božić M. A.
Institute of Public Health of County of Istria, Institute of Emergency Medicine of County of Istria, Pula, Croatia

12. SOME EPIDEMIOLOGIC FEATURES OF CEREBROVASCULAR DISEASE IN PATIENTS TREATED IN THE CLINIC OF NEUROLOGY AT THE UNIVERSITY CLINICAL CENTER OF KOSOVA IN PRISTINA DURING THE PERIOD JANUARY – DECEMBER 2010

Shatri N., Bara P., Dakaj N.
University Clinical Center of Kosova, Pristina, Kosovo

13. SYMPTOMATIC EPILEPSIES DUE TO CEREBROVASCULAR DISEASES

Dakaj N., Bara P., Shatri N.
University Clinical Center of Kosova, Pristina, Kosovo

14. PREVALENCE OF REDUCED ALPHA GALACTOSIDASE – A ACTIVITY IN A COHORT OF 294 PATIENTS WITH CLINICAL DEFINITIVE MS

Pilz G.
Christian-Doppler-Klinik, Salzburg, Austria

15. SPONTANEOUS HIGH FREQUENCY EMG DISCHARGES IN DERMATOMYOSITIS

Marković D.¹, Peček V.¹, Pažanin L.², Radolović-Prenc L.¹, Janko-Labinac D.¹, Bradamante M.³, Fedel I.¹
¹ General Hospital Pula, Croatia
² Institut "Ljudevit Jurak" Zagreb, Croatia
³ Medical Faculty, Zagreb, Croatia

16. CNS EFFECTS OF ANGIOTENSIN CONVERTING ENZYME INHIBITOR, CAPTOPRIL IN HYPERTENSION TREATMENT

Pechanova O., Vrankova S.
Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia

17. PARTICIPATION OF EPILEPSY DIAGNOSES IN THE OVERALL MORBIDITY REPORTED AT THE NATIONAL INSTITUTE OF PUBLIC HEALTH OF KOSOVA FOR 2011

Govori V., Berisha M. Zajmi D.
University Clinical Center of Kosova, Medical Faculty, University of Pristina, Pristina, Kosovo

18. DIFFERENTIAL EFFECTS OF TREADMILL EXERCISE ON CALRETININ IMMUNOREACTIVITY IN TYPE 2 DIABETIC RATS IN EARLY AND CHRONIC DIABETIC STAGES

Seong J. K.
Seoul National University, Seoul, South Korea

19. EPIDEMIOLOGICAL CHARACTERISTICS AND FUNCTIONAL DISABILITY OF MULTIPLE SCLEROSIS PATIENTS IN KOSOVO

Zeqiraj K., Kruja J., Isaku E.
University Clinical Center of Kosovo, Pristina, Kosovo

20. GENEALOGY – AS A RISK FACTOR FOR STROKE

Oros M.M., Luts V.V., Smolanka V.I.
Uzhgorod National University, Mukachevo district hospital, Khust, Ukraine

21. PHYSICAL ACTIVITY AND PROTECTION OF BRAIN FUNCTION

Morović S., Demarin V.
Aviva Medical Centre, Zagreb, Croatia

22. FALSE POSITIVE MALINGERING OF MEMORY DEFICITS IN EPILEPSY PATIENTS

Javurkova A., Raudenska J., Amlerova J.
University Hospital FNKV, Prague, Czech Republic

23. CHALLENGING OR LOW EXERCISE INTENSITY TO IMPROVE MOBILITY AND BALANCE FOR CHRONIC STROKE SURVIVORS? PRELIMINARY RESULTS OF A RANDOMIZED PILOT STUDY COMPARING TWO SUPERVISED 8-WEEK COMMUNITY-BASED

Malagoni A.M., Lamberti N., Zambon C., Felisatti M., Nardini E., Straudi S., Basaglia N., Manfredini F.
University of Ferrara and S. Anna Hospital-University of Ferrara, Italy

24. FOLLOW UP A PATIENTS WITH VENOUS SINUS THROMBOSIS – A CASE REPORT

Hegeduš I., Buljan K., Berlančić H.
University Hospital in Osijek, Croatia

25. REHABILITATION IN CHILDREN WITH ORGANIC SYNDROMES

Broz Frajtag J., Broz V.
University Clinical Hospital Center, Zagreb, Croatia

26. IMPACT OF ANTICOAGULANT THERAPY ON THE OUTCOME IN ISCHEMIC STROKE PATIENTS WITH ATRIAL FIBRILLATION

Budinčević H., Babić M., Milošević M., Bielen I., Demarin V.
Sveti Duh University Hospital, Zagreb, Croatia

27. COGNITIVE IMPROVEMENT FOLLOWING CAROTID ENDARTERECTOMY IN ASYMPTOMATIC PATIENTS WITH ADVANCED CAROTID DISEASE

Martinić Popović I., Lovrenčić-Huzjan A., Šodec Šimičević D., Šerić V., Šimundić AM., Lovričević I., Bašić Kes V.
„Sestre milosrdnice“ University Hospital Centre, Zagreb, Croatia

28. URODYNAMIC FINDINGS IN PATIENTS WITH ALZHEIMER'S DISEASE AND VASCULAR DEMENTIA

Popović A., Martinić Popović I., Trkanjec Z., Bašić Kes V., Reljić A., Lovrenčić-Huzjan A., Šerić V.
„Sestre milosrdnice“ University Hospital Centre, Zagreb, Croatia

29. HIGH CHOLESTEROL DIET INDUCED OXIDATIVE STRESS IN BRAIN AND LIVER

Dominko K.¹, Đikić D.¹, Landeka Jurčević I.², Marić M.³, Rimac Brnčić S.⁴
¹Faculty of Science, University of Zagreb, Croatia
²Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia
³Polyclinic AVIVA, Zagreb, Croatia
⁴Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia

30. STROKE RISK FACTOR PREVALENCE SURVEY AT WORLD STROKE DAY IN ZAGREB

Ivković J.^{1,2}, Njavro L.^{1,2}, Mašić M.², Kereković E.², Baran M.², Bagarić Krakan L.^{1,2}, Relić D.^{1,2}, Vukoja I.^{1,2}
¹Croatian stroke society, Zagreb, Croatia
²Association of people's health „Andrija Štampar“, Zagreb, Croatia

31. STROKE RISK FACTOR PREVALENCE AND LEVEL OF STROKE RISK SURVEY IN RURAL AREA OF TOWN PLETERNICA

Njavro L.^{1,2}, Vukoja I.^{1,2}, Relić D.^{1,2}, Antunović R.², Mrak M.², Romić M.², Ivković J.^{1,2}
¹Croatian stroke society, Zagreb, Croatia
²Association of people's health „Andrija Štampar“, Zagreb, Croatia

32. ASSOCIATION BETWEEN CEREBRAL VASOMOTOR REACTIVITY AND HEMODYNAMIC AND MORPHOLOGICAL PARAMETERS OF THE CAROTID ARTERIES

Mijajlović M., Stojanović M., Pekmezović T., Pavlović A., Jovanović Z., Zidverc-Trajković J., Radojičić A., Podgorac A., Švabić-Međedović T., Veselinović N., Šternić N.
Neurology Clinic of the Clinical Center of Serbia, Belgrade, Serbia

33. TRANSCRANIAL SONOGRAPHY CONFIRMS INVOLVEMENT OF THE NIGROSTRIATAL DOPAMINERGIC SYSTEM IN THE PATHOGENESIS OF PRIMARY BURNING MOUTH SYNDROME

Mijajlović M., Zidverc-Trajković J., Stanimirović D., Janković Lj., Čovičković-Šternić N.
Neurology Clinic of the Clinical Center of Serbia, Belgrade, Serbia

34. GIANT PSEUDOANEURYSM OF EXTERNAL CAROTID ARTERY

Milosevic M., Budinčević H., Bielen I.
University hospital "Sveti Duh", Zagreb, Croatia

35. CENTRAL POST STROKE PAIN - A CASE REPORT

Bačić Baronica K., Zobić I., Baraba R.
University Department of Neurology, University Hospital Sveti Duh, Zagreb, Croatia

36. MYOTONIC DYSTROPHY TYPE 1 AND METABOLIC SYNDROME

Vujnić M.¹, Perić S.², Rakočević Stojanović V.²
¹ Faculty of Medicine, University of Banja Luka, Republic of Srpska, Bosnia and Herzegovina
² Neurology Clinic, Clinical Center of Serbia, School of Medicine, University of Belgrade, Serbia

37. CLINICAL FINDINGS IN MYOTONIC DYSTROPHY TYPE 1 VS. TYPE 2 – A COMPARATIVE STUDY

Perić S.¹, Savić Pavičević D.², Pešović J.², Nikolić A.¹, Basta I.¹, Lavrnić D.¹, Rakočević Stojanović V.¹
¹ Neurology Clinic, Clinical Center of Serbia, School of Medicine, University of Belgrade, Serbia
² Center for Human Molecular Genetics, Faculty of Biology, University of Belgrade, Serbia

38. STORY-NARRATIVE & MEDICINE

Raguž J. D.
University of Josip Juraj Strossmayer, Osijek, Croatia

POSTERS PSYCHIATRY

39. THE EFFICACY OF METACOGNITIVE – BEHAVIOR GROUP THERAPY AND FAMILY EDUCATION WITH PHARMACOTHERAPY ON DECREASING DEPRESSION AND MANIA SYMPTOMS AND PREVENTING THE RECURRENCE IN PATIENTS WITH BIPOLAR DISORDER

Solati Dehkordi K.
Shahrekord University of Medical Sciences, Shahrekord, Iran

40. THE EXAMINATION OF EFFECTIVENESS OF EMOTIONALLY FOCUSED COUPLES THERAPY ON LIFE SATISFACTION AND IMPROVEMENT OF DEPRESSION DUE TO HEART DISEASES

Kimiaee S.A., Rahimdad Z.
Ferdowsi University of Mashhad, Mashhad, Iran

41. THERAPEUTIC EFFICACY OF LAMOTRIGINE IN A PATIENT WITH BORDERLINE PERSONALITY DISORDER AND DEPRESSION EPISODES: A CASE REPORT

Arsova S., Bajraktarov S.
University clinic of psychiatry, Skopje, Macedonia

42. TREATMENT OF PERSONALITY DECOMPENSATION AND BEHAVIORAL MALADAPTATION IN COMBATANTS WITH SCHIZOID PERSONALITY STRUCTURE

Boev I.V., Lekomtseva O.V.
Stavropol State Medical University, Stavropol, Russia

43. THERAPEUTIC TROPISM OF PSYCHOTROPIC DRUGS FOR COMBATANTS OF THE CYCLOID PERSONALITY STRUCTURE AT THE STAGE OF DECOMPENSATION

Boev O.I., Lekomtseva O.V., Boev I.V.
Stavropol State Medical University, Stavropol, Russia

44. PSYCHOSOCIAL INTERVENTION IMPROVES QUALITY OF LIFE (QOL) FOR PATIENT WITH OVER 12-YEAR-OLD CASE OF AMUSIA

Koprowski E. J.
King's College, University of London, London, United Kingdom

45. SPECIFICATIONS OF DEPRESSIVE CONDITIONS OF OLD PEOPLE

Rančić B, Nedeljković S.
Health Center "Gadžin Han", Gadžin Han, Serbia

46. BURNOUT SYNDROME

Lazarova S., Barbov I.

University Clinic for Neurology, Skopje, Macedonia

47. PREVALENCE OF DEPRESSIVE DISORDERS IN CHAHARMAHAL VA BAKHTIARY PROVINCE OF ISLAMIC REPUBLIC OF IRAN (2013)

Palahang H., Safavi P., Palahang N.

Shahrekord University of Medical Sciences, Isfahan, Iran

48. NEUROLOGICAL CONDITIONS POTENTIALLY MISDIAGNOSED AS MENTAL DISORDERS: CASE PRESENTATIONS

Čelofiga A., Topolovec J.

University clinical center Maribor, Maribor, Slovenia

49. THE INCIDENCE OF HANGOVER AMONG THE KOSOVO STUDENTS DURING A WEEK OF HEAVY DRINKING ON HOLIDAY

Tahiri A., Bushi B., Dobi D.

UHC Mother Teresa, Tirana, Albania

50. OPIATE WITHDRAWAL SYNDROME IN NEONATES – 10-YEAR EXPERIENCE AT DEPARTMENT OF PEDIATRICS, GENERAL HOSPITAL PULA

Jašić M., Milevoj Ražem M., Kalagac Fabris L., Kocijančić V.

General Hospital Pula, Croatia

51. SIMILARITIES AND DIFFERENCES BETWEEN SUICIDE AND EUTHANASIA

Morović J., Morović S.

Health Center “Centar”, Zagreb, Croatia

52. THE PREVALENCE OF METABOLIC SYNDROME IN PATIENTS WITH SCHIZOPHRENIA AND RECURRENT DEPRESSIVE DISORDER IN THE MIDDLE DALMATIA

Lasić D., Vujnović Z., Žuljan Cvitanović M.

University Hospital Centre Split, Split, Croatia

53. SUICIDAL BEHAVIOUR IN BORDERLINE PERSONALITY DISORDER

Puljić A., Silić A., Ostojić D., Marčinko D., Jukić V.

University Psychiatric Hospital Vrapče, Zagreb, Croatia

54. THE ROLE OF PTSD IN DEVELOPMENT OF ALCOHOL INDUCED DISORDERS

Ličanin I., Djurkovski M.

Psychiatric Clinic, clinical Centre Sarajevo University, Sarajevo, Bosnia and Herzegovina

55. “ISOLATION”: ABUSE OF PSYCHIATRY IN CROATIA DURING COMMUNISM

Vidović D., Brečić P., Jukić V.

University Psychiatric Hospital Vrapce, Zagreb, Croatia

56. SOCIODEMOGRAPHIC CHARACTERISTICS OF TOBACCO SMOKERS AND NON-SMOKERS AND DIFFERENCES IN MORBIDITY BETWEEN THEM AT RURAL AREA OF BRODSKI DRENOVAC

Vukoja I., Dodig V., Relić D., Njavro L., Bilić H., Šitum I., Mrak M., Ivković J.

Association of people’s health “Andrija Štampar”, Zagreb, Croatia

57. SOCIODEMOGRAPHIC CHARACTERISTICS OF ALCOHOL CONSUMERS AND NON CONSUMERS AND DIFFERENCES IN MORBIDITY BETWEEN THEM IN BRODSKI DRENOVAC

Vukoja I., Vasilj T., Njavro L., Previšić A., Stipić I., Ivković J., Relić D.

Association of people’s health „Andrija Štampar“, Zagreb, Croatia

58. DEPRESSION AND CIRCADIAN TYPOLOGY

Bielen J., Melada A., Jakovljević M.

Institute of Emergency Medicine, Bjelovar-Bilogora County, Zagreb, Croatia

59. REVIEW OF SCHIZOPHRENIC PATIENT, PERPETRATOR OF MULTIPLE HOMICIDE

Zahiragić A., Idrizi E.

Psychiatric Clinic, KCUS Sarajevo, Bosnia and Herzegovina

60. MAJOR DEPRESSIVE DISORDER OR BIPOLAR II DISORDER

Popa A. C., Muntean A.

Gheorghe Preda Psychiatry Hospital, Sibiu, Romania

All lectures and posters will be published in a supplement of Acta Clinica Croatica, ISSN 1333-9451, 2014/Volume 53, Supplement 1, electronic edition (www.hrca.hr)

POSTERS PRESENTATIONS

Neurology: Friday, June 20, 15:00 - 15:45 - (PP Histria - Ulika)
 Psychiatry: Friday, June 20, 15:45 - 16:30 - (PP Histria - Ulika)

During the indicated time of the poster session there will be a poster guided tour selecting the best poster that will receive the City of Graz Best Poster Prize! The poster guided tour requires a presence of one of the poster authors or it will not be considered as a prize nominee. Poster dimensions are 90 (width) x 120 (height) cm. Posters can be mounted from 13:00 Wednesday, June 18th and can stay exhibited until Saturday, June 21st

CONGRESS VENUE

Hotel Park Plaza Histria, Pula, Croatia
 Congress Centre

OFFICIAL LANGUAGE

The official language is English.

REGISTRATION FEE

PARTICIPANTS	Early Bird	Regular	Late & On-site
	Until March 25th	From March 26th	From June 10th
High Income Country Delegate	300 Eur	400 Eur	500 Eur
Low / Middle / Upper Middle Income County*	150 Eur	200 Eur	250 Eur
Trainees/Students**	150 Eur	150 Eur	150 Eur
Accompanying persons***	100 Eur	100 Eur	100 Eur

* Low, Middle and Upper Middle Income Countries are defined according to the World Bank Country Classification

** Trainees and Students must submit an official supportive letter from the institution, signed by the head of the department confirming your status, or a valid status ID card must accompany the registration.

*** Each delegate can register one accompanying person. Accompanying persons will be charged only for food and beverage package at reduced rates for the 54th INPC participants by Arenaturist agency.

PLEASE NOTE: VAT (25%) is included in the Registration Fees

Prices in kuna will be charged at a middle rate of the Croatian National Bank on the day of payment.

Registration fee includes

- Admission to the all Congress Sessions, Schools and Courses and the Exhibition Area
- Refreshments as indicated in the program
- Welcome Reception and other Social events

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Payment of Registration fees can be made:

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Working hours

Wednesday 13:00 – 20:00
 Thursday 8:00 – 20:00
 Friday 8:00 – 20:00
 Saturday 8:00 – 14:00

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SOCIAL PROGRAM

Wednesday, **June 18, 2014** 19:30 Welcome reception – Congress Center – Park Plaza Histria
 Friday, **June 20, 2014** 20:30 Farewell cocktail – Istrian eno-gastronomy presentation

INPC SECRETARIAT

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Noviji pristup u kontroli motornih fluktuacija i diskinezija u uznapredovaloj Parkinsonovoj bolesti²

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Sastav Duodopa 20 mg/ml + 5 mg/ml intestinalni gel (levodopa/karbidopa); 1 ml sadrži 20 mg levodope i 5 mg karbidope hidrata. Terapijske indikacije Liječenje uznapredovalje Parkinsonove bolesti s terapijskim odgovorom na levodopu, s teškim motornim fluktuacijama i hiper-/diskinezijom, kada dostupne kombinacije lijekova za liječenje Parkinsonove bolesti nisu dale zadovoljavajuće rezultate. Prije uvođenja trajne sonde, mora biti pozitivan klinički odgovor na primjenu Duodope kroz privremenu nazoduodenalnu sondu. **Kontraindikacije** Preosjetljivost na levodopu, karbidopu ili bilo koju pomoćnu tvar; glaukom uskog kuta; teška insuficijencija jetre ili bubrega; teško srčano zatajenje; teška srčana aritmija; akutni moždani udar. Istodobna primjena sa selektivnim inhibitorima monoaminooksidaze (MAO) i MAO tipa A, a njihova primjena mora se prekinuti najmanje 2 tjedna prije početka liječenja Duodopom. Stanja kod kojih su kontraindicirani adrenergičari, npr. feokromocitom, hipertiroidizam i Cushingov sindrom. **Posebna upozorenja i mjere opreza pri uporabi** Ne preporučuje se u liječenje ekstrapiramidnih reakcija izazvanih lijekovima. Oprez kod bolesnika s teškom kardiovaskularnom ili plućnom bolešću, bronhalnom astmom, bubrežnom, jetrenom ili endokrinom bolešću, s kroničnim glaukomom širokog kuta, peptičkim ulkusom ili konvulzijama u anamnezi, infarktom miokarda u anamnezi s posljedicom aritmije, sa psihozom ili psihozom u anamnezi. Pažljivo motriti radi otkrivanja mentalnih promjena, depresije sa suicidalnim namjerama i ostalih ozbiljnih mentalnih promjena. Prijavljeno je patološko kockanje, pojačan libido i hiperseksualnost. Oprez pri istodobnoj primjeni s antipsihoticima koji blokiraju dopaminske receptore. Oprez uz druge lijekove koji mogu prouzročiti ortostatsku hipotenziju. Pri naglom prestanku primjene prijavljen je skup simptoma sličan malignom neuroleptičkom sindromu (mišićna rigidnost, povišena tjelesna temperatura, mentalne promjene - agitacija, konfuzija, koma i povišene vrijednosti kreatin fosfokinaze u serumu). Uz potrebe opće anestezije, liječenje se može nastaviti sve dok bolesnik smije primati tekućinu i lijekove na usta. Nužan oprez pri vožnji i rukovanju strojevima. Sadrživa hidrazin koji može biti genotoksičan i mogućer kancerogen. U slučaju privremenog prekida liječenja, nastavlja se primjena istoj dozi, čim bude dopušten peroralan unos hrane i lijekova. Smanjiti dozu u slučaju diskinezije inducirane levodopom. Preporučuje se periodično kontrolirati jetrenu, hematopoetsku, kardiovaskularnu i bubrežnu funkciju. Zabilježene su izolirane prijave blokade sonde za gastrostomu i/ili intestinalne opstrukcije radi nastanka bezoara s pogoršanjem simptoma Parkinsonove bolesti, smanjenu djelotvornost, abdominalnu bol, mučninu i povraćanje, ulceracije želuca i crijeva. U slučaju smanjene sposobnosti rukovanja sustavom njegovatelj mora pomagati bolesniku. Iznenadno ili postupno pogoršanje bradikinezije može značiti opstrukciju unutar sustava, što treba istražiti. **Doziranje i način primjene** Duodopa je gel za kontinuiranu intestinalnu primjenu izravno u dvanaesnik ili u gornji dio tankog crijeva uz pomoć prijenosne pumpe, trajnom sondom (vanjska transabdominalna sonda i unutarnja intestinalna sonda) preko perkutane endoskopske gastrostome. Prije liječenja preko trajne sonde, preporučuje se koristiti privremenu nazoduodenalnu sondu. Dozu prilagoditi da bi se postigao optimalan klinički odgovor svakog bolesnika, produljujući funkcionalno "on" razdoblje tijekom dana smanjivanjem broja i trajanja "off" epizoda (bradikinezija) te skraćivanjem "on" razdoblja s onesposobljavajućom diskinezijom. U početku primjenjivati kao monoterapiju. Ako su potrebni drugi lijekovi za Parkinsonovu bolest, mogu se uzimati istodobno. Za primjenu Duodope mora se koristiti CADD-legacy Duodopa pumpa. Liječenje trajnom sondom može se prekinuti bilo kada, tako da se izvadi sonda i ostavi ranu da zacijeli, a liječenje nastaviti oralnim pripravcima koji sadrže levodopu/karbidopu. Ukupna dnevna doza Duodope sastoji se od tri zasebno prilagođene doze: jutarnja bolus, kontinuirana soza održavanja i dodatne bolus doze. **Jutarnja doza:** odrediti na osnovi unosa levodope prethodnog jutra + volumena za punjenje sonde. Ukupna jutarnja doza obično iznosi 5 - 10 ml, što odgovara 100 - 200 mg levodope. Ukupna jutarnja doza ne smije prelaziti 15 ml (300 mg levodope). Terapijska razina uz pomoć pumpe brzo se postigne (unutar 10 - 30 minuta). **Kontinuirana doza održavanja:** titrira se po 2 mg/na sat (0,1 ml/sat), računa prema unosu levodope tijekom prethodnog dana. Kada se prestanu uzimati dodatni lijekovi, dozu Duodope treba prilagoditi. Kontinuirana doza održavanja je individualno prilagođena. Mora se održavati u rasponu od 1 - 10 ml/sat (20 - 200 mg levodope/sat), a obično iznosi 2 - 6 ml/sat (40 - 120 mg levodope/sat). Maksimalna preporučena dnevna doza iznosi 200 ml. U iznimnim su slučajevima potrebne više doze. **Dodatne bolus doze:** Daju se po potrebi, u slučaju pojave hipokinezije. Dodatnu dozu individualno prilagođavati, obično od 0,5 - 2,0 ml. U rijetkim su slučajevima potrebne više doze. Ako je potrebno više od 5 dodatnih bolus doza tijekom dana, mora se povisiti doza održavanja. Ako je medicinski opravdano, Duodopa se može primjenjivati tijekom noći. Iznenadno slabljenje terapijskog odgovora, s ponovnom pojavom motornih fluktuacija, mora pobuditi sumnju da se pomaknuo distalni dio sonde iz dvanaesnika u želudac. Položaj sonde mora se rendgenski odrediti te njezin kraj pod radiološkom kontrolom ponovno postaviti u dvanaesnik. Prije korištenja, kazetu pričvrstiti za prijenosnu pumpu, a sustav spojiti na nazoduodenalnu sondu ili transabdominalni ulaz/duodenalnu sondu, u skladu s uputama. Kazete s lijekom su jednokratne i ne smiju se koristiti dulje od jednog dana (do 16 sati), ni ako je ostalo nešto lijeka. Ne ponovno koristiti otvorenu kazetu. Kako se približava kraj roka valjanosti, gel može postati lagano žućkast. To ne utječe na koncentraciju lijeka ili liječenje. **Ceste nuspojave** Anoreksija, halucinacije, konfuzija, noćne more, pospanost, umor, nesanic, depresija s vrlo rijetkim pokušajima suicida, euforija, demencija, psihotične epizode, osjećaj stimulacije, diskinezije, koreični pokreti, distonija, "on-off" epizode, omaglica, bradikinezija, somnolencija, palpitacije, nepravilni otkucaji srca, ortostatska hipotenzija, sklonost gubljenju svijesti, sinkopa, mučnina, povraćanje, suhoća usta, gorak okus. **Nositelj odobrenja za stavljanje lijeka u promet:** AbbVie d.o.o., Koranska 2, 10 000 Zagreb, Hrvatska. Broj odobrenja: UPI-530-09/1 1-02/171 [13.03.2012, 102.07.2013]. Lijek se izdaje na recept. Samo za zdravstvene radnike. Ovaj promotivni materijal sadrži bitne podatke o lijeku istovjetne cjelokupnom odobrenom Sažetku opisa svojstava lijeka te cjelokupnog odobrenog uputi, sukladno Članku 15. Pravilnika o načinu oglašavanja o lijekovima i homeopatskim proizvodima (NN 118/09). Prije propisivanja, molimo proučite odobreni sažetak opisa svojstava lijeka.

DUC-AD-01-13MR, Listopad 2013.

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