

20TH ANNUAL EMN CONGRESS

May 28 – 30 2015, Zagreb, Croatia



20th Annual EMN Congress is under the high
auspices of President of Republic of Croatia
Her Excellency Kolinda Grabar Kitarovic

Organizer: Euroacademia Multidisciplinaria Neurotraumatologica
President: Professor Ioan Stefan Florian, MD, PhD, Cluj-Napoca, Romania

Co-organizer:
Department of Neurosurgery, Sestre milosrdnice University Hospital Center, Zagreb, Croatia
Southeast Europe Neurosurgical Society - SeENS
Croatian Academy of Science and Arts
University of Applied Health Science Zagreb

Congress President: Professor Krešimir Rotim, MD, PhD, Zagreb, Croatia
Congress Vice-President: Professor Lukas Rasulić, MD, PhD, Belgrade, Serbia
Congress Secretary: Tomislav Sajko, MD, PhD, Zagreb, Croatia

Congress Organizing Committee:
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Professor Vanja Bašić - Kes, MD, PhD, Zagreb, Croatia
Marina Zmajević-Schoenwald, MD, Zagreb, Croatia
Verena Klamroth - Marganska, MD, PhD, Zürich, Switzerland
Aleksandar Racz, MD, PhD, Zagreb, Croatia

Topics:
Traumatic brain injury
Spinal cord injury
Functional outcome after traumatic
brain and spinal cord injury
Neurorehabilitation

Venue: National Hall "The Revival Stateroom"

Euroacademia
Multidisciplinaria
Neurotraumatologica



On line registration <http://emn2015.conventuscredo.hr/>

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WEDNESDAY MAY 27TH 2015

20:00-22:00 EMN Presidium meeting
Hotel Dubrovnik / Ljudevita Gaja 1, Zagreb

THURSDAY MAY 28TH 2015

09:00-09:30 Welcome Addresses

Professor **Ioan Stefan Florian** - EMN President
Professor **Klaus von Wild**, Honorary EMN President
Professor **Krešimir Rotim**, SeENS President
Professor **Aleksandar Racz**, Dean, University of Applied Health Sciences
Academician **Zvonko Kusić** - President, Croatian Academy of Arts and Sciences
Her Excellency **Kolinda Grabar-Kitarović**, President of the Republic of Croatia (expected)

Music intermezzo Mrs. Doris Karamatić, Harp

09:30-10:30 Plenary session

Chairmen: Professor **Ioan Stefan Florian**
Professor **Krešimir Rotim**

09:30-09:50 Professor **Likhterman - Moscow, Russia**
„Human Face of Modern Neurosurgery and its Controversies“

09:50-10:10 Professor **Lukas Rasulić - Belgrade, Serbia**
„Current concept in endoscopic and minimal invasive peripheral nerve and brachial plexus surgery“

10:10-10:30 **Zmajević-Schönwald M, Rotim K, Sajko T, Mladić-Batinica I, Rode B, Hamata Ž. - Zagreb, Croatia**
„Somatosensory, brainstem auditory and motor evoked potentials as the predictors of brain death in patients with severe brain injury“

10:30-11:00 Coffee break

11:00-13:00 Session: Traumatic brain injury

Chairmen: Professor **Ulrich Kunz**
Tomislav Sajko, MD, PhD

11:00-11:15 Professor **Raimund Firsching - Magdeburg, Germany**
„The cause of coma. Is it diffuse axonal injury or loss of brain stem function?“

11:15-11:30 Professor **Sanja Hajnšek - Zagreb, Croatia**
„The importance of continuous EEG monitoring after hypoxic brain injury.“

11:30-11:45 **Rotaru H, Dinu C, Abrudan C, Florian S, Stan H, Baciut G, Roman R, Onisor F**
„Orbital reconstruction in craniomaxillofacial trauma“

11:45-12:00 **Semenova Z, Marshintsev AV, Ublinsky MV, Lukjanov V - Moscow, Russia**
„Our experience of the cranioplasty of autologous bone in the pediatric population“

12:00-12:10 **Vuleković P, Diičević B, Cigić T, Papić V, Krajinović N, Horvat I, Karan M, Jelača B, Azašević A - Novi Sad, Serbia**
„Severe traumatic brain injury patients management in Clinical Center of Vojvodina“

12:10-12:20 Professor **Oleg S. Zaitsev - Moscow, Russia**
„Depressive and anxiety disorders after severe traumatic brain injury“

12:20-12:30 **Schulz C, Mauer UM, Kunz U, Mathieu R - Ulm, Germany**
„Primary or secondary decompressive craniectomy for civilian and military head injuries: Does evidence for different indicative decisions exist?“

12:30-12:40 **Koprek I, Šumonja I, Sajko T, Rotim K - Zagreb, Croatia**
„Hemispheric cerebral ischemia in traumatic brain injury: report of two cases“

12:40-12:50 **Padure L, Axente M, Mirea A - Bucharest, Romania**
„Recovering sequelae after TTCC in the children at National Children Neurorehabilitation Center. „Dr. Nicholas Robanescu“

12:50-13:00 Discussion

13:00-14:00 Lunch

14:00-16:00 Session: Traumatic brain and spinal cord injury

Chairmen: Professor **Jürgen Meixensberger**
Boris Božić, MD, PhD

14:00-14:10 Professor **Alexandru V. Ciurea - Bucharest, Romania**
„Multum in parvo. The Glasgow Coma Scale at its 40th birthday“

14:10-14:20 Professor **Yorck B Kalke - Ulm, Germany**
„Antiosteoporotic effects of alendronate on younger patients with acute spinal cord injury“

14:20-14:30 **Hülser PJ, Freude GB - Ulm, Germany**
„Tetraparesis on the ICU - pitfalls“

14:30-14:40 **Oknina LB, Sharova EV, Zaitsev OS, Masherov EL - Moscow, Russia**
„The species of the P300's topography of ERP in forecast of conscious restoration at patients with heavy brain trauma“

14:40-14:50 **Šumonja I, Koprek I, Sajko T, Rotim K**
„The implication of traumatic brain injury on quality of life with emphasis to the elderly“

14:50-15:00 **Kravchouk A, Potapov A, Zakharova N, Novikov M, Cherebylo S, Ippolitov E, Latyshev Y, Chobulov S - Moscow, Russia**
„The use of modern additive technologies in reconstructive neurosurgery“

15:00-15:10 **Abaaslam F, Marszalek P, Czernicki Z, Glowacki M - Warsaw, Poland**
„The new method of intervertebral disc regeneration based on the transplantation of the autologous, cultured chondrocytes“

15:10-15:20 **Schulz C, Mauer UM, Kunz U, Mathieu R - Ulm, Germany**
„Combination of cerebral artery dissection and cervical spine fractures“

15:20-15:30 **Szczygielski J, Hubertus V, Kruchten E, Schwerdtfeger K, Oertel J - Homburg/Saar, Germany**
„Biochemical markers in neurotrauma: how far from fingerprint approach?“

15:30-15:40 **Vukas D, Eškinja N, Kolić Z - Rijeka, Croatia**
„Anterior single screw fixation of the odontoid fracture - single Institution experience in 26 patients.“

15:40-15:50 **Božić B, Rotim K, Šumonja I**
„Decompressive craniectomy in the treatment of complex severe traumatic brain injury“

15:50-16:00 Discussion

16:00-16:30 Coffee break

16:30-18:00 Session: Functional posttraumatic outcome

Chairmen: Professor **Alexandru Vladimir Ciurea**
Zlatko Kolić, MD, PhD

16:30-16:45 **Terpolilli N, Kim SW, Thal SC, Kuebler WM, Plesnila N - München, Germany**
„Inhaled nitric oxide (iNO) reduces brain damage after experimental traumatic brain injury“

16:45-17:00 **Fodor L, Fodor M, Florian S - Cluj-Napoca, Romania**
„Never say NO to a complex lower limb injury. Strategies for reconstruction“

17:00-17:15 **Chudy D, Deletis V, Paradžik V, Almahariq F - Zagreb, Croatia**
„Deep brain stimulation for the early treatment of the minimal conscious state and vegetative state“

17:15-17:30 **Popović IM - Zagreb, Croatia**
„Cognitive impairment after traumatic brain injury“

17:30-17:45 **Okhlopkov V, Potapov A, Kravchuk A, Likhterman L, Gavrilov A, Kapitanov D - Moscow, Russia**
„Posttraumatic long-term basal CSF leakage: Surgical treatment“

17:45-18:00 **Voršič M, Velnar T, Bunc G, Ravnik J - Maribor, Slovenia**
„Decompressive craniectomy as an efficient treatment option for traumatic brain injury“

20:00-23:00 Welcome reception

Klub književnika (Writer's club)
Bana J. Jelačića square 7/1 (Main square)

FRIDAY MAY 29TH 2015

08:30-11:00 Plenary session

Chairmen: Professor **Klaus von Wild**
Professor **Jean Luc Truelle**

08:30-09:00 Professor **George Prigatano - Phoenix, USA**
Klaus von Wild Honorary lecture
„Anosognosia: a diagnostic and therapeutic challenge in multidisciplinary neurotraumatology“

09:00-09:40 20th Anniversary of the EMN: Past, Present, Future
Moderators: Professor **Klaus von Wild**,
Professor **Stefan Florian**

09:40-10:10 Professor **Alexander Potapov - Moscow, Russia**
„Evaluating the prognostic value of a new MRI-based traumatic brain lesion classification for outcome prediction“

10:10-10:30 Professor **Ioan Stefan Florian**
„Surgical treatment in head injury - A historical perspective“

10:30-11:00 Coffee break

11:00-11:20 Professor **Jacques De Reuck - Gent, Belgium**
„Risk factors for seizures related to cerebral contusions and focal superficial siderosis in the adult“

11:20-11:40 Professor **Jose Leon-Carrion - Sevilla, Spain**
„My experience in neuropsychological rehabilitation after TBI and disorders of consciousness: frontal lobe and brain cortex synchronisation is the key.“

11:40-12:00 **Stipić D, Rotim K, Čerina V, Vrkljan M, Pečina HI, Kruljac D, Marinković J**
„Post-traumatic hypopituitarism following traumatic brain injury“

12:00-13:00 General Assembly of EMN

13:00-23:00 Excursion

Trip to Trakošćan Castle
Traditional Croatian Dinner at Klet Kozjak

SATURDAY MAY 29TH 2015

08:30-11:00 Plenary Session

Chairmen: Professor **Jacques de Reuck**
Professor **David Mendelow**

08:30-08:45 Professor **Robert Riener - Zürich, Switzerland**
„The future of robots in neurorehabilitation“

08:45-09:00 **Verena Klamroth-Marganska - Zürich, Switzerland**
„Robotic-based Assessment in Neurorehabilitation“

09:00-09:15 Professor **Robert Riener - Zürich, Switzerland**
„The Pediatric Arm rehabilitation Robot CHARMin“

09:15-09:30 **Florin Bracea - Bucharest, Romania**
„The Phenomenon of Traffic Accidents in Romania“

09:30-09:45 Professor **Christian Matula - Wien, Austria**
Title to be announced

09:45-10:00 **Kolić Z, Vukas D - Rijeka, Croatia**
„Management of craniocervical dislocation“

10:00-10:15 **Rotim K, Sajko T, Kovačević M, Koprek I - Zagreb, Croatia**
„The Impact of Alcohol Intoxication and craniocerebral injury type on treatment outcome for patients operated with craniocerebral injury“

10:15-10:30 Professor **Vanja Bašić-Kes - Zagreb, Croatia**
„Central pain syndromes after traumatic head injury“

10:30-10:45 **Pistarini C, Maggioni G - Pavia, Italy**
„Deep brain stimulation in the treatment protocols of Disturb of Consciousness“

10:45-11:00 Professor **Jean-Luc Truelle - Paris, France**
„Rehabilitation following cerebral anoxia: an assessment of 27 patients“

11:00-11:15 Professor **Teodor Stamate - Iasi, Romania**
„Clinical results after direct coaptation of the C5-C6-C7 brachial plexus roots in traumatic tangential spine lesions. Personal technique“

11:15-11:45 Coffee break

11:45-13:00 Session: Neurorehabilitation

Chairmen: Professor **Wolf-Ingo Steudel**
Marina Zmajević-Schönwald, MD, MSc

11:45-12:00 **Fufaeva EV, Semenova Z, Lukjanov VI, Ublinsky MV - Moscow, Russia**
„Dynamics of recovery of consciousness and higher mental functions of children after severe traumatic brain injury in the early period of rehabilitation“

12:00-12:15 **Padure L, Dragan F - Bucharest, Romania**
„Podal Support evaluation in children with scoliosis-study phase results (1 year)“

12:15-12:30 **Kravchouk A, Likhterman L, Latyshev Y, Zaitsev O, Zakharova N, Abazaid S - Moscow, Russia**
„Problems of diagnosis, indications for surgery and outcomes in patients with posttraumatic hydrocephalus“

12:30-12:45 **Miškov S, Bošnjak J. - Zagreb, Croatia**
„Posttraumatic epilepsy“

12:45-13:00 **Sidneva Y, Fufaeva EV, Semenova Z, Valiullina S - Moscow, Russia**
„The role of the neurotransmitter serotonin in the mental recovery after severe traumatic brain injury in children. Treatment with selective serotonin reuptake inhibitors in the early period of rehabilitation“

13:00-13:15 **Stamate T, Mazilu G, Stamate M, Topa I - Iasi, Romania**
„Oberlin technique versus other nerves transfer for the reanimation of elbow flexion in brachial plexus palsies“

13:15-13:30 **Potapov A, Latyshev Y, Okhlopkov V, Eolchian S, Serova N - Moscow, Russia**
„Retained non-metallic foreign bodies after penetrating craniomaxillofacial injuries: a time bomb?“

13:30-13:45 **Anghelescu A, Onose G - Bucharest, Romania**
„Spinal trauma in patients with ankylosing spondylitis - redoubtable, but preventable complication“

13:45-14:00 Poster session

Onose G, Daia C, Anghelescu A, Onose L, Spircu T, Lapadat M, Popescu C, Neculau M - Bucharest, Romania
„Assessment method validation and outcomes with interferential medium frequency electrical currents therapy for micturition control in neurogenic bladder“

Karan M, Vuleković P, Petrović K, Bugarski V, Jelača B, Papić V, Dilvesi D, Nikolašević Ž - Novi Sad, Serbia
„Mild traumatic brain injury-contemporary diagnostic algorithm“

Rotim K, Sesar N, Beroš V, Fila J, Sajko T - Zagreb, Croatia
„Traumatic thoracic spinal epidural hematoma: report of two cases and literature review“

Škarica R, Skitarelić N, Krpina H - Zadar, Croatia
„Head gunshot wound in thirteen year old boy“

Mladić-Batinica I, Videc-Penavić L, Širanović M, Škoro I, Šumonja I - Zagreb, Croatia
„Cerebral hemorrhage associated with Gingko biloba - a case report“

Širanović M, Gavranović Ž, Gopčević A, Horvat A, Krolo H, Rode B, Videc-Penavić L, Vučić M - Zagreb, Croatia
„Validation of non invasive intracranial pressure and perfusion measurements in adults with isolated traumatic brain injury - preliminary study“

Mihčić J, Rotim K, Sajko T - Zagreb, Croatia
„Traumatic brain injury in children - retrospective analysis“

14:00-14:30 Closing ceremony