



9TH

CONGRESS
OF THE CROATIAN
NEUROSURGICAL
SOCIETY

and Joint Meeting with the
Czech Neurosurgical Society
and Collaborative Meeting with
German Society of Neurosurgery
and **Croatian-Japanese Pre-Congress**
Symposium on Normal Pressure
Hydrocephalus and Satellite
Symposium for Neurosurgical Nurses



FINAL
PROGRAMME

12th – 15th October 2023
Petrčane, Croatia

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Meeting with **German Society of Neurosurgery** and **Croatian-Japanese
Pre-Congress Symposium on Normal Pressure Hydrocephalus**
and **Satellite Symposium for Neurosurgical Nurses**

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www.neurosurgerycroatia2023.com

INTRODUCTION

Dear colleagues, dear friends,



On behalf of the Managing Board of the Croatian Neurosurgical Society as well as of the Organizing Committee, I have the honor and pleasure of welcoming you to the 9th Congress of the Croatian Neurosurgical Society and Joint Meeting with the Czech Neurosurgical Society and Collaborative Meeting with German Society of Neurosurgery and a very special Pre-Congress Symposium on Normal Pressure Hydrocephalus in collaboration with the Japan Neurosurgical Society and

Medical School of the University of Zagreb. This exceptional gathering will take place in Petrčane near Zadar on the Croatian Adriatic coast, from the 12th to the 15th October 2023.

From its inception almost a quarter of a century ago, the Congress of the Croatian Neurosurgical Society has outgrown its' initial scope of a national neurosurgical specialists' meeting to grow to a regional melting pot of exchange of knowledge, experience and up-to-date management strategies in the different fields of the noble art of neurosurgery. We will once again bring together prominent Croatian and European neurosurgeons, as well as distinguished guests and speakers from all over the world to provide the attendants a spectacular environment for professional formation and social interaction.

The 9th Congress promises to be the most attended yet, since its integrative part is a Joint Meeting with the Czech Neurosurgical Society as well as a special Collaborative Meeting with members of the German Society of Neurosurgery. Also, we proudly co-organize a spectacular Pre-Congress Symposium with eminent guests from the Japan Neurosurgical Society.

We invite you to take an active part in the scientific program of this remarkable Congress and share your valuable experiences with colleagues.

With very best regards to all,

Professor **Miroslav Vukić**, MD, PhD
President of the Organizing Committee
President of the Croatian Neurosurgical Society



WELCOME LETTER

Dear friends, dear colleagues,



It is a great honor to welcome you on the 9th Congress of the Croatian Neurosurgical Society and Joint Meetings with the Czech Neurosurgical Society and Collaborative Meeting of the German Society of Neurosurgery. The idea of meeting three societies is a new creative format. We hope for closer mutual contacts and more detailed knowledge of sophisticated projects and goals in our countries in a more intimate environment. It is actually the first close official contact between Czech and Croatian societies. This connection has its own logic, our countries have shared interests since the Middle Ages, in the time of the monarchy and also in times of national revival. The joint meeting is further strengthened and crowned by the participation of advanced German and Japanese societies.

We look forward to this meeting, new friendships and insights to improve the care of our patients.

We invite you to contribute to the scientific programme of this event.

Professor **Martin Sameš**, MD, PhD
*President of the Czech Neurosurgical Society,
Czech Medical Association*

ORGANIZERS

- Croatian Neurosurgical Society
- Czech Neurosurgical Society
- University of Zagreb, School of Medicine

ORGANIZING COMMITTEE

Presidents: Miroslav Vukić, Martin Sameš

Members: Krešimir Rotim, Sergej Marasanov, Hrvoje Jednačak, Bruno Splavski, Rade Škarica, Vlatko Ledenko, Dean Giroto, Marijan Klarica, Martin Smrčka, Veit Rohde

SCIENTIFIC COMMITTEE

Members: Miroslav Vukić, Krešimir Rotim, Sergej Marasanov, Marijan Klarica, Martin Sameš, Martin Smrčka, Vladimir Priban, Veit Rohde, Karl Schaller

INVITED SPEAKERS

- Bernard Bendok
- Roman Bošnjak
- Ilker Eyüpoğlu
- Jiří Fiedler
- Ivan Hećimović
- Hrvoje Jednačak
- Ivana Jurjević
- Marijan Klarica
- Nenad Kudelić
- Vlatko Ledenko
- Sergej Marasanov
- Mitsuhiro Mase
- Masakazu Miyajima
- Gorak Mrak
- Madoka Nakajima
- David Netuka
- Christopher Ogilvy
- Nelson Oyesiku
- Vladimír Přibáň
- Milan Radoš
- Lukas Rasulić
- Veit Rohde
- Krešimir Rotim
- Martin Sameš
- Karl Schaller
- Danko Smiljanić
- Volodymir Smolanka
- Martin Smrčka
- Bruno Splavski
- Ulrich Sure
- Akai Takuya
- Niklas Thon
- Miroslav Vukić
- Beverly Walters
- Shinya Yamada
- Andrew Youkilis

TOPICS

1. Neurooncology
2. Skull Base Surgery
3. Vascular Neurosurgery
4. Spinal Neurosurgery
5. Pediatric Neurosurgery
6. Trauma Neurosurgery and Critical Care
7. Functional Neurosurgery
8. Epilepsy Surgery
9. Stereotactic Neurosurgery and Radiosurgery
10. Free topics
11. Nurses topics



REGISTRATION FEES

	on site payment
Participant	€ 300,00
Nurses	€ 175,00
Exhibitor firm representative	€ 200,00

OFFICIAL LANGUAGE

English

TECHNICAL ORGANIZATION INFORMATION

Registration, accommodation, Congress information for participants, exhibitors, advertisers, and sponsors, technical organization:

Congress agency

VIVID ORIGINAL Ltd.

Vjekoslava Heinzela 4, Office: Maksimirska 112a, HR-10000 Zagreb, Croatia

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SCIENTIFIC PROGRAMME

Thursday, 12th October 2023

HALL A

9TH CONGRESS OF THE CROATIAN NEUROSURGICAL SOCIETY AND JOINT MEETING WITH THE CZECH NEUROSURGICAL SOCIETY AND COLLABORATIVE MEETING WITH GERMAN SOCIETY OF NEUROSURGERY

15:00 - 19:00 **Registration**

16:00 - 19:00 **CROATIAN-JAPANESE PRE-CONGRESS SYMPOSIUM ON
NORMAL PRESSURE HYDROCEPHALUS**

Organizers: Croatian Neurosurgical Society and Japan Neurosurgical Society and Medical School of the University of Zagreb

PATHOPHYSIOLOGY OF CSF AND NPH DEVELOPMENT

16:00 - 16:10 **Introduction**

(Chairs: **Marijan Klarica, Shinya Yamada, Miroslav Vukić**)

16:10 - 16:25 **Marijan Klarica**, Milan Radoš, Ivana Jurjević, Darko Orešković:
DISTRIBUTION OF DIFFERENT MOLECULES BETWEEN INTERSTITIAL
AND CEREBROSPINAL FLUID - DOES CEREBROSPINAL FLUID
CIRCULATE?

16:25 - 16:40 **Akai Takuya**, Toshihisa Hatta, Hiromi Sakata-Haga, Seiji Yamamoto,
Shusuke Yamamoto, Satoshi Kuroda:
THE ANALYSIS OF CEREBROSPINAL FLOW DYNAMICS IN MOUSE
FETUSES - CEREBROSPINAL FLUID MAY FLOW OUT FROM THE BRAIN
THROUGH THE FRONTAL SKULL BASE AND CHOROID PLEXUS

16:40 - 16:50 **Milan Radoš**, Ivana Jurjević, Darko Orešković, Marijan Klarica:
NEURORADIOLOGICAL INSIGHTS INTO THE PATHOPHYSIOLOGY OF
HYDROCEPHALUS

16:50 - 17:05 **Mitsuhito Mase**, Emi Hayashi, Shin Hibino, Akihiko Iida,
Toshiaki Miyati, Etsuro Mori:
CHANGES OF WATER TURNOVER IN BRAIN TISSUE AND CSF SPACES
IN PATIENTS WITH IDIOPATHIC NPH: DYNAMIC PET STUDY USING
[15O] H₂O



12th – 15th October 2023

- 17:05 - 17:15 Marijan Klarica, **Ivana Jurjević**, Milan Radoš, Miroslav Vukić, Darko Orešković:
EFFECTS OF EXPERIMENTAL IMPAIRMENT OF CSF MOVEMENT ON HYDROCEPHALUS DEVELOPMENT
- 17:15 - 17:25 **Petra Dmitrović**, Boris Pirkić, Marija Mamić, Milan Radoš, Darko Orešković, Marijan Klarica:
THE EFFECT OF HYPEROSMOLAR MANNITOL SOLUTION ON THE DYNAMICS OF CEREBROSPINAL FLUID IN PIGS
- 17:25 - 17:45 Break**
- 17:45 - 18:00 **Shinya Yamada:**
CEREBROSPINAL FLUID DYNAMICS - MRI TIME - SPATIAL SPINE LABELING METHOD
- 18:00 - 18:10 **Nenad Kudelić**, Ivan Koprek, Milan Radoš, Darko Orešković, Marijan Klarica:
NEW PROGNOSTIC FACTOR FOR THE TREATMENT OF NPH
- 18:10 - 18:25 **Madoka Nakajima:**
CSF BIOMARKER AND TREATMENT OF IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS
- 18:25 - 18:40 **Masakazu Miyajima**, Madoka Nakajima:
DIAGNOSIS AND TREATMENT STRATEGY OF IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS
- 18:40 - 19:00 Discussion
- 19:00 - 20:00 Dinner**
- 20:00 - 22:00 Welcome reception**

Friday, 13th October 2023

HALL A

**9TH CONGRESS OF THE CROATIAN NEUROSURGICAL SOCIETY
AND JOINT MEETING WITH THE CZECH NEUROSURGICAL
SOCIETY AND COLLABORATIVE MEETING WITH GERMAN
SOCIETY OF NEUROSURGERY**

- 08:00 - 17:00** **Registration**
- 08:20 - 10:25** **MORNING SESSION I**
Chairs: Miroslav Vukić, Martin Sameš, Veit Rohde
- 08:20 - 08:50** **INTRODUCTORY SPEECH AND CONGRESS OPENING**
Miroslav Vukić, Martin Sameš, Nelson Oyesiku, Karl Schaller
Branko Dukić, Mayor of Zadar
Božidar Longin, Prefect of Zadar County
- 08:50 - 09:10** **Karl Schaller:**
THE ANATOMICAL SUBSTRATES OF HUMAN SELF-CONSCIOUSNESS
AND IMPLICATIONS FOR NEUROSURGERONS
- 09:10 - 09:25** **Martin Smrčka, Ondřej Navrátil, Vilém Juráň, Vladimír Smrčka,**
Tomáš Svoboda, Eduard Neuman:
SURGICAL TREATMENT OF AVMS AND THE CURRENT ROLE OF
EMBOLIZATION
- 09:25 - 09:40** **Martin Sameš, Hynek Zítek, Aleš Hejčl, Fiip Cihlář:**
LARGE ANTERIOR CHOROIDAL ARTERY ANEURYSMS
- 09:40 - 09:55** **Niklas Thon:**
ROLE OF SURGERY IN GLIOMA MANAGEMENT
- 09:55 - 10:10** **Veit Rohde:**
SURGERY OF SPINAL VASCULAR PATHOLOGY
- 10:10 - 10:25** **Miroslav Vukić:**
CERVICAL HYBRID SURGERY
- 10:25 - 10:45** **Coffee Break**



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10:45 - 12:40 **MORNING SESSION II**

Chairs: Sergej Marasanov, Martin Smrčka

10:45 - 11:05 **Beverly Walters:**

BUILDING AN ACADEMIC NEUROSURGICAL CAREER

11:05 - 11:25 **Bernard Bendok:**

GROWTH MINDSET IN NEUROSURGERY AND HEALTHCARE

11:25 - 11:40 **David Netuka:**

INTRAOPERATIVE MRI, COST BENEFIT RELATION

11:40 - 11:55 **Ilker Eyupoglu:**

ADVANCING COMPLETE TRANSPHENOIDAL RESECTIONS BY VISUALIZATION OF SURGICAL BLIND SPOTS: INITIAL EXPERIENCES WITH 3 TESLA INTRAOPERATIVE MRI

11:55 - 12:10

Tomáš Krejčí, Radim Lipina, Petr Matoušek, Lenka Čábalová:
REVIEW OF A CLINICAL CASE SERIES OF 116 VASCULARIZED FLAPS USED FOR CLOSURE OF SKULL BASE DEFECTS AND ROLE OF THE LEARNING CURVE

12:10 - 12:20

Vjerislav Peterković, Hrvoje Barić, Marcel Marjanović Kavanagh, Katarina Vuković Đurić:
ENDOSCOPIC ENDONASAL CRANIOPHARYNGIOMA SURGERY

12:20 - 12:30

Hrvoje Barić, Goran Mrak, Vjerislav Peterković:
PETROCLIVAL MENINGIOMA SURGICAL STRATEGIES

12:30 - 12:40

Darko Orešković, Alejandra Madero Pohlen, Ivna Cvitković, Marina Raguž, Anđelo Kaštelančić, Ante Rotim, Darko Chudy, Tonko Marinović:
GLYCATED HEMOGLOBIN IN PATIENTS WITH INTRACRANIAL MENINGIOMAS

12:40 - 14:00 Lunch

14:00 - 15:35 **AFTERNOON SESSION I**

Chairs: Goran Mrak, Jiří Fiedler

14:00 - 14:20 **Nelson Oyesiku:**

CRANIOPHARYNGIOMAS: THE CASE FOR THE ENDONASAL CORRIDOR - (Zoom)

14:20 - 14:35

Jiří Fiedler, Martin Roubec, Marek Grubhoffer, Svatopluk Ostrý, Václav Procházka, Kateřina Langová, David Školoudík:
EMERGENT MICROSURGICAL EMBOLCTOMY AND EC-IC BYPASS IN STANDARD ACUTE ISCHAEMIC STROKE TREATMENT FAILURE

- 14:35 - 14:50 **Goran Mrak:**
ARTERIOVENOUS MALFORMATIONS - CURRENT TREATMENT STRATEGIES
- 14:50 - 15:00 **Vilém Juráň**, Martin Smrčka, Ondřej Navrátil, Karel Svoboda, Evžen Hovorka:
OUTCOME OF PATIENTS WITH RUPTURED MCA ANEURYSM AND ASSOCIATED INTRACEREBRAL HEMATOMA
- 15:00 - 15:10 **Ondřej Navrátil**, Vilém Juráň, Evžen Hovorka, Karel Svoboda, Jakub Hustý, Martin Smrčka:
TREATMENT RESULTS OF ANEURYSMAL SUBARACHNOID HAEMMORHAGE IN THE ELDERLY
- 15:10 - 15:20 **Klara Brgić Mandić**, Velimir Lupret, Jakob Nemir, Goran Mrak:
USE OF EXTRACRANIAL- INTRACRANIAL BYPASS IN NEUROSURGERY
- 15:20 - 15:30 **Barbora Musilová**, Jiří Fiedler:
THE ROLE OF THE EC-IC BYPASS IN THE MICROSURGICAL TREATMENT OF COMPLEX BRAIN ANEURYSM
- 15:30 - 15:40 **Aleš Hejčl**, Hynek Zítek, Kateřina Jiráňková, Martin Sameš:
EMERGENCY CAROTID ENDARTERECTOMY AFTER TIA OR NON-DISABLING STROKE IS SAFE
- 15:40 - 16:00 Coffee Break**
- 16:00 - 17:30 AFTERNOON SESSION II**
Chairs: Rade Škarica, Vladimír Priban
- 16:00 - 16:20 Sponsored Lecture – CARL ZEISS**
Velko Stoimenov:
ZEISS TUMOR WORKFLOW – NEW TREATMENT HORIZONS FOR NEUROONCOLOGICAL PATHOLOGIES
- 16:20 - 16:30 **Vlatko Ledenko:**
FLUORESCENIN GUIDED RESECTION OF GLIAL TUMORS
- 16:30 - 16:40 **Niko Njirić**, Jakob Nemir, Klara Brgić-Mandić, Andrej Desnica, Lana Maljković, Goran Mrak:
INSULAR GLIOMA TREATMENT - SINGLE CENTER EXPERIENCE
- 16:40 - 16:50 **Ana Mišir Krpan:**
RESECTION CAVITY OF BRAIN METASTASIS - WHAT FOLLOWS?

- 16:50 - 17:00 **Sergej Marasanov:**
STAGED GAMMA KNIFE RADIOSURGERY FOR LARGE BRAIN METASTASES
- 17:00 - 17:10 **Jakob Nemir**, Niko Njirić, Andrej Desnica, Vlatko Šulentić, Željka Petelin Gadže, Sibila Nanković, Andreja Bujan Kovač, Petra Nimac, Biljana Đapić Ivančić, Zdravko Heinrich, Goran Mrak:
RESECTIVE EPILEPSY SURGERY AFTER STEREOELECTROENCEPHALOGRAPHY (SEEG) IN PRESURGICAL ASSESSMENT OF PHARMACORESISTANT REFRACTORY MRI-NEGATIVE EPILEPSY
- 17:10 - 17:20 **Irina Bagić**, Klara Brgić Mandić, Niko Njirić, Jakob Nemir, Goran Mrak:
SURGICAL TREATMENT OF ADULT PATIENTS WITH INTRACTABLE EPILEPSY AND HISTOPATHOLOGICALLY DIAGNOSED FOCAL CORTICAL DYSPLASIA
- 17:20 - 17:30 **Lana Maljković**, Ivo Somek, Andrej Desnica, Goran Mrak, Jakob Nemir, Niko Njirić:
VERBAL MEMORY IN PATIENTS WITH GLIOMAS AFTER AWAKE CRANIOTOMY IN REGARD TO ONCOLOGY TREATMENT

HALL B

SATELLITE SYMPOSIUM FOR NEUROSURGICAL NURSES

- 08:00 - 15:00** **Registration**
- 08:50 - 09:00** **INTRODUCTORY SPEECH AND SYMPOSIUM OPENING**
Martin Smrčka, Rade Škarica, Vesna Svirčević
- 09:00 - 10:30** **MORNING SESSION I**
Chairs: Lucija Mioč, Vesna Svirčević, Silvie Blahutova
- 09:00 - 09:10 **Robertino Galešić**, Iva Perinović
SUMMARY CARE OF PATIENTS WITH TRACHEOTOMY
- 09:10 - 09:20 **Nikola Kubicová**, Martina Vilášková
COMPREHENSIVE CARE FOR A PATIENT WITH SPONTANEOUS AND POST-TRAUMATIC CEREBROSPINAL FLUID
- 09:20 - 09:30 **Leona Solerti**
MINIMALLY INVASIVE SPINAL FUSION

- 09:30 - 09:40 **Ivana Štanfel**
MEDICAL CARE OF PATIENTS WITH GLIOBLASTOMA
- 09:40 - 09:50 **Sven Babojelić**, Diana Dragija
NEUROSURGICAL TREATMENT OF EPILEPSY
- 09:50 - 10:00 **Silvie Blahutová**, Jolana Rozprýmová
AWAKE CRANIOTOMY
- 10:00 - 10:10 **Maja Miletić**, Lucija Mioč, Danijela Major
CRANIAL NERVE SCHWANNOMA
- 10:10 - 10:30 Discussion
- 10:30 - 11:00 Coffee Break**
- 11:00 - 12:30 MORNING SESSION II**
Chairs: Jolana Rozprymova, Dijana Dragija, Iva Perinović
- 11:00 - 11:10 **Tatjana Tolić**, Ana Desnica, Maja Miletić, Lucija Mioč
NEUROPHYSIOLOGICAL IOM OF EVOKED POTENTIALS IN
NEUROCHIRURGY
- 11:10 - 11:20 **Lucija Mioč**
GAMMA KNIFE RADIOSURGERY IN CONTEMPORARY
NEUROSURGICAL PRACTICE FROM A NURSING PERSPECTIVE
- 11:20 - 11:30 **Rea Bijuk**
BEHAVIORAL CHANGES IN PATIENTS WITH BRAIN TUMORS
- 11:30 - 11:40 **Damir Puljić**
NEUROSURGICAL TEHNOLOGICAL DEVELOPMENTS IN SKB MOSTAR
- 11:40 - 11:50 **Jolana Rozprýmová**, Silvie Blahutová
BRAIN DEATH
- 11:50 - 12:00 **Antonela Katuša**, Anamarija Matešić
CERVICAL SPINE INJURIES IN THE GENERAL HOSPITAL ZADAR FROM
2019 TO 2021
- 12:00 - 12:10 **Lora Gluhak**
POSTOPERATIVE COMPLICATIONS OF BRAIN TUMOR REMOVAL
- 12:10 - 12:30 Discussion
- 12:30 - 14:00 Lunch**

- 14:00 - 15:45 AFTERNOON SESSION I**
Chairs: Tatjana Tolić, Dominik Plašek, Martina Kolačko
- 14:00 - 14:10 **Lora Gluhak**
POSTOPERATIVE COMPLICATIONS OF BRAIN TUMOR REMOVAL
- 14:10- 14:20 **Antonio Medved**, Šimun Tot, Ivana Garić, Maja Prović,
Nina Cvjetičanin, Gordana Pavlek, Anđelka Kriste, Vesna Bratić,
Mario Bepaljko
NURSING CARE FOR PATIENTS WITH INTRACRANIAL BYPASS -
CASE REPORT
- 14:20 - 14:30 **Stela Matić**
HIGH INTRACRANIAL PRESSURE
- 14:30 - 14:40 **Dominik Plášek**, Michaela Sirotiarová
THE USE OF HBOT IN NEUROSURGICAL PATIENTS WITH BRAIN
DAMAGE
- 14:40 - 14:50 **Martina Kolačko**, Andreja Vađunec
INTRATHECAL BACLOFEN THERAPY (ITB) - OUR EXPERIENCE
- 14:50 - 15:00 **Maja Miletić**, Lucija Mioč, Zrinka Smrečki
CENTRAL NERVOUS SYSTEM NEOPLASMS IN THE PEDIATRIC AGE
- 15:00 - 15:10 **Vesna Svirčević**
TECHNOLOGICAL PROGRESS IN NEUROSURGERY AND ITS IMPACT
ON INTRAOPERATIVE CARE
- 15:10 - 15:20 **Maja Miletić**, Lucija Mioč, Krešimir Saša Đurić, Marjan Rožanković
CERVICAL KYPHOSIS CORRECTION VIA A COMBINED APPROACH
- 15:20 - 15:40 Discussion
- 15:40 -15:50 Final remarks and Symposium closure**

HALL A

9TH CONGRESS OF THE CROATIAN NEUROSURGICAL SOCIETY
AND JOINT MEETING WITH THE CZECH NEUROSURGICAL
SOCIETY AND COLLABORATIVE MEETING WITH GERMAN
SOCIETY OF NEUROSURGERY

08:00 - 17:00 **Registration**

08:30 - 10:20 **MORNING SESSION I**

Chairs: Bruno Splavski, Volodymyr I. Smolanka

08:30 - 08:50

Ulrich Sure:

TREATMENT OF DEEP SEATED CAVERNOMAS

08:50 - 09:10

Christopher Ogilvy:

MANAGEMENT OF SMALL UNRUPTURED ANEURYSMS

09:10 - 09:25

Roman Bošnjak:

PURELY ENDOSCOPIC SUPRACEREBELLAR-INFRA TENTORIAL
APPROACH TO THE PINEAL AND POSTERIOR 3RD VENTRICLE
LESIONS IN ANTI-CONCORDE POSITION

09:25 - 09:40

Vladimír Příbáň, V. Runt, J. Mracek, I. Holeckova:

INTRAVENTRICULAR TRIGONAL MENINGIOMAS

09:40 - 09:55

**Lukas Rasulić, Andrija Savić, Milan Lepić, Gunna Hutomo Putra,
Jovan Grujić, Filip Vitošević, Aleksandra Stoiljković, Aleksa Mičić,
Stefan Radojević, Siniša Matić:**

RE-DO SURGERY IN PERIPHERAL NERVE SURGERY

09:55 - 10:10

Bruno Splavski:

TRANSFORMING PATTERNS OF TRAUMATIC BRAIN INJURY
MANAGEMENT INFLUENCED BY THE COVID-19 DISEASE PANDEMIC

10:10 - 10:20

Ante Rotim:

HYBRID TREATMENT OF MCA ANEURYSMS

10:20 - 10:45 **Coffee Break**

10:45 - 12:30 MORNING SESSION II

Chairs: Vlatko Ledenko, David Netuka

10:45 - 11:05 **Volodymir I. Smolanka**, Volodymyr V. Smolanka Jr.:
MIRCOVASCULAR DECOMPRESSION FOR TRIGEMINAL NEURALGIA:
TECHNIQUE, RESULTS, INFLUENCE OF DIFFERENT FACTORS ON
LONG-TERM OUTCOME

11:05 - 11:20 **Ivan Hećimović:**
TRAUMATIC ACUTE POSTERIOR FOSSA SUBDURAL HEMATOMAS

11:20 - 11:35 **Danko Smiljanić:**
3D IN YOUR BRAIN

11:35 - 11:50 **Hrvoje Jednačak:**
MANAGEMENT OF MALIGNANT CHILDHOOD BRAIN TUMORS

11:50 - 12:00 **Andrej Desnica**, Hrvoje Barić, Niko Njirić, Antonia Jakovčević:
PEDIATRIC ANAPLASTIC PLEOMORPHIC XANTHOASTROCYTOMA

12:00 - 12:10 **Ivan Pašalić**, Ivan Domazet, Klara Brgić Mandić, Anton Kordić,
Zvonka Gužvinec, Hrvoje Jednačak:
THE INFLUENCE OF TRANEXAMIC ACID ON THE DEGREE OF
BLEEDING IN PEDIATRIC PATIENTS UNDERGOING
CRANIOSYNOSTOSIS SURGERY

12:10 - 12:20 **Petr Skalicky:**
MODERN APPROACH TO DIAGNOSIS AND TREATMENT OF NPH

12:20 - 12:30 **Martin Plevko**, Václav Vybíhal, Marek Sova, Martin Smrčka,
Veronika Matušková:
SHUNT OPERATIONS IN TREATMENT OF IDIOPATHIC INTRACRANIAL
HYPERTENSION

12:30 - 14:00 Lunch

14:00 - 15:45 AFTERNOON SESSION I

Chairs: Nenad Kudelić, Tomaš Česak

14:00 - 14:20 **Andrew Yukilis:**
PELVIC PARAMETERS

14:20 - 14:35 **Richard Ferch**, Nikolai Bogduk, Ali Ghahreman, Nicholas Cheung:
MINIMAL ACCESS POSTERIOR INTERBODY FUSION SURGERY

- 14:35 - 14:45 **Josip Burić**, Hrvoje Šimić, Ana Gavranić, Dean Giroto, Darko Ledić:
EXTREME LATERAL INTERBODY FUSION AND BILATERAL
PERCUTANEOUS PEDICLE SCREW FIXATION PERFORMED ALL IN
LATERAL POSITION
- 14:45 - 14:55 **Krešimir S Đurić**, Miroslav Vukić:
INVASIVE VERTEBRAL HAEMANGIOMA
- 14:55 - 15:05 **Ivan Domazet**, Ivan Pašalić, Siniša Zekan, Karlo Prižmić, Niko Njirić,
Krešimir Saša Đurić, Miroslav Vukić:
INFLUENCE OF THE CERVICAL ARTHROPLASTY ON THE RANGE OF
MOTION OF THE CERVICAL SPINE
- 15:05 - 15:15 **Aria Nouri**, Granit Molliqaj, Renato Gondar, Alexandre Lavé,
Gianpaolo Jannelli, Benjamin Davies, Mark Kotter, Allan Martin,
Justin Virojanapa, Joseph S Cheng, Teresa Somma,
Paolo Cappabianca, Carmen L A Vleggeert-Lankamp,
Valerie ter Wengel, Karl Schaller, Enrico Tessitore:
SCREENING FOR DEGENERATIVE CERVICAL MYELOPATHY (SCREEN-
DCM): PREMILIMINARY RESULTS OF AN ONGOING PROSPECTIVE
MULTICENTER STUDY
- 15:15 - 15:25 **David Měšťan**, Petr Nesnídal, Ondřej Teplý, Vladimír Chlouba,
Jiří Fiedler, Milan Nevšimal:
RESULTS OF SURGICAL TREATMENT OF DEGENERAL CERVICAL
MYELOPATHY
- 15:25 - 15:35 **Karel Maca**, Martin Smrčka, Ondrej Navratil:
ENDOSCOPIC SURGERY FOR LUMBAR DISC HERNIATION - LONG
TERM RESULTS
- 15:35 - 15:45 **Karlo Houra**, Robert Saftić:
TRANSFORAMINAL ENDOSCOPIC DISCECTOMY FOR SOFT AND
CALCIFIED THORACIC DISC HERNIATION
- 15:45 - 16:20 Coffee Break**
- 16:20 - 17:40 AFTERNOON SESSION II**
Chairs: Hrvoje Jednačak, Petr Skalicky
- 16:20 - 16:30 **Nenad Kudelić**, Ivan Koprek, Vječeslav Kčira-Fideršek
MOBILE APP-ASSISTED POSTOPERATIVE REHABILITATION AFTER
LUMBAR DISC SURGERY

- 16:30 - 16:40 **Petr Linzer**, Patrik Jurek:
INTRAOPERATIVE ULTRASOUND IMAGING IN SPINAL SURGERY
- 16:40 - 16:50 **Marko Bošnjak**, Ilija Perutina, Anja Rulj, Josip Paladino:
MOBILE ROBOTIC IMAGING AND NAVIGATION IN SPINE SURGERY
- 16:50 - 17:00 **Rasim Skomorac**, Hakija Bečulić, Nadija Ekinović, Aldin Jusić,
Anes Mašović, Fahrudin Ali:
PREVENTION OF EPIDURAL FIBROSIS AFTER LUMBAR DISC SURGERY
- TECHNICAL NOTE
- 17:00 - 17:10 **Abdullah Al Awadhi**, Michele Da Broi, Granit Molliqaj, Andrea Rosi,
Gianmarco Bernava, Paolo Machi, Karl Schaller, Torstein R. Meling,
Aria Nouri:
MIDDLE MENINGEAL ARTERY (MMA) EMBOLIZATION FOR CHRONIC
UBDURAL HEMATOMAS: RATIONALE AND DESIGN FOR THE STOP
RECURRENCE OF MMA BLEEDING (STORMM) RANDOMIZED-
CONTROL TRIAL
- 17:10 - 17:20 **Marcela Grünerová Lippertová**:
SEVERE TRAUMATIC BRAIN INJURY (STBI) - NEUROREHABILITATION
IN THE INTENSIVE CARE
- 17:20 - 17:30 **Jan Mracek**, Miroslav Seidl, Petr Kasik, Jiri Dostal, Vladimir Priban:
THREE-DIMENSIONAL CUSTOM-MADE POROUS POLYETHYLENE
CRANIOPLASTY IN PATIENTS AT HIGH RISK FOR SURGICAL SITE
INFECTION - MONO-INSTITUTIONAL STUDY
- 17:30 - 17:40 Final remarks and Congress closure**

Sunday, 15th October 2023

HALL A

**9TH CONGRESS OF THE CROATIAN NEUROSURGICAL SOCIETY
AND JOINT MEETING WITH THE CZECH NEUROSURGICAL
SOCIETY AND COLLABORATIVE MEETING WITH GERMAN
SOCIETY OF NEUROSURGERY**

- 10:00 - 11:00 BOARD MEETING OF THE CROATIAN NEUROSURGICAL SOCIETY
AND INVITED SPEAKERS OF THE CONGRESS

E - POSTERS

9TH CONGRESS OF THE CROATIAN NEUROSURGICAL SOCIETY AND JOINT MEETING WITH THE CZECH NEUROSURGICAL SOCIETY AND COLLABORATIVE MEETING WITH GERMAN SOCIETY OF NEUROSURGERY

- 1. Joško Bilandžić**
PRIMARY OSTEOLYTIC SYNOVIAL SARCOMA WITH INVASION OF SUPERIOR SAGITTAL SINUS – CASE REPORT AND LITERATURE REVIEW
- 2. Michele Da Broi**, Abdullah Al Awadhi, Aria Nouri, Philippe Voruz, Karl Schaller
MORTALITY IN PROFESSIONAL AND AMATEUR BOXING - A CALL TO ACTION IS DEMANDED TO UNDERSTAND AND PREVENT THIS PHENOMENON
- 3. Vedran Dovečer**, Domagoj Gajski
SURGICAL TREATMENT OF INTRADISCAL FRACTURE C2-C3 AND C3-C4 INTERVERTEBRAL SPACE WITH SPINAL MEDULLA CONTUSION IN A 36-YEAR-OLD MAN
- 4. Dean Giroto**, Josip Burić, Hrvoje Šimić, Vjekoslav Tomulić, Tomislav Jakljević, Zvonimir Kvas
COMBINED ENDOVASCULAR REPAIR OF AORTA AND REMOVAL OF PENETRATING PEDICLE SCREW AFTER POSTERIOR INSTRUMENTATION – CASE REPORT AND LITERATURE REVIEW
- 5. Marcela Grünerová Lippertová**
SEVERE TRAUMATIC BRAIN INJURY (STBI) - NEUROREHABILITATION IN THE INTENSIVE CARE
- 6. Julien Haemmerli**, Lukas Sveikata, Aria Nouri, Adrien May, Kristof Egervari, Christian Freyschlag, Johannes A Lobrinus, Denis Migliorini, Shahan Momjian, Nicolae Sanda, Karl Schaller, Sebastien Tran, Jacky Yeung, Philippe Bijlenga
CHATGPT IN GLIOMA ADJUVANT THERAPY DECISION MAKING: READY TO ASSUME THE ROLE OF A DOCTOR IN THE TUMOR BOARD?
- 7. Vječeslav Kćira-Fideršek**, Nenad Kudelić, Ivan Koprek, Vedran Dovečer
INTRADURAL SACRAL MENINGIOMA - A RARE CASE OF BENIGN SPINAL NEOPLASM

8. **Vječeslav Kčira-Fideršek**, Nenad Kudelić, Ivan Koprek, Vedran Dovečer
SCHWANNOMA OF MIDDLE CERVICAL SPINE - A CASE REPORT
9. **Monika Kocman Panić**, Draženka Pavličević, Nina Novak Fumić, Nenad Kudelić, Ivan Koprek, Vječeslav Kčira-Fideršek
EPIDURAL ANALGESIA AFTER SPINAL FUSION SURGERY OUR EXPERIENCE
10. **Ivan Konstantinović**, Maja Rogić Vidaković, Braco Bošković, Joško Šoda, Irena Bilić, Ivana Gunjača, Nikolina Režić Mužinić
SURGICAL TREATMENT OVERVIEW IN DYSTONIA AND CURRENT FINDINGS IN NEUROPHYSIOLOGIC RESEARCH IN FOCAL LARYNGEAL DYSTONIA
11. **Petr Nesnídal**, Jiří Fiedler, Ondřej Teplý, David Měšťan
ERAS PROTOCOL IN SPINAL SURGERY, EVALUATION AFTER 1 YEAR
12. **Vlastimil Novák**, Daniel Pohlodek, Michaela Strapková, Lumír Hrabálek
ANTERIOR CLINOIDECTOMY – VOLUMETRIC ANALYSIS OF RESECTION EXTENT
13. **Martina Stokova**, Barbora Musilova, Jiri Fiedler
PREDICTORS AND OUTCOME OF HYDROCEPHALUS FOLLOWING ANEURYSMAL SUBARACHNOID HEMORRHAGE
14. **Václav Vybíhal**, Martin Plevko, Miroslava Beňovská, Hana Pikulová, Pavel Fadrus, Martin Smrčka
CSF TRIPLET TESTING IN PATIENTS WITH IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS
15. **Václav Vybíhal**, Martin Plevko, Miloš Keřkovský, Tereza Janáčková, Hana Pikulová, Pavel Fadrus, Martin Smrčka
SURGICAL TREATMENT OF CSF-VEINUS FISTULA IN SPONTANEOUS INTRACRANIAL HYPOTENSION – 2 CASES

SATELLITE SYMPOSIUM FOR NEUROSURGICAL NURSES

1. **Marina Plantak**
HYDROCEPHALUS

ACKNOWLEDGMENT

Organizing and Scientific Committee would like to express their gratitude to all institutions and firms who made

**9th Congress of the Croatian Neurosurgical Society
and Joint Meetings with the Czech Neurosurgical Society
and Collaborative Meetings with German Society
of Neurosurgery and Croatian-Japanese Pre-congress Symposium
on Normal Pressure Hydrocephalus**

12th - 15th October 2023, Petrčani, Croatia

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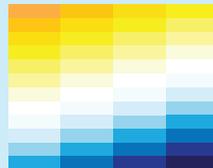
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