**1st CROATIAN NEURORADIOLOGICAL CONGRESS with international participation ONLINE**

22nd – 24th April 2021

**ORGANIZER**

Croatian Society of Neuroradiology of Croatian Medical Association

President of the Croatian Society of Neuroradiology: Dijana Zadravec

**CONGRESS ORGANIZING COMMITTEE**

**President of the Organizing committee**

Dijana Zadravec

**Members of the Organizing committee**

Zvonimir Sučić, Mia Smoljan Basuga, Mirjana Flegarić-Bradić, Suresh K. Mukherji, Tomislav Gregurić, Tomislav Krpan, Marko Slavica, Antonio Klemenčić

**SCIENTIFIC COMMITTEE**

**President of the Scientific committee**

Tomislav Gregurić

**Members of the Scientific committee**

Dijana Zadravec, Tomislav Krpan, Hrvoje-Ivan Pećina, Krešimir Dolić, Tamer Salha, Suresh K. Mukherji, Vilma Kosović, Tamara Rihtar, Đino Varga, Ivana Župetić, Branimir Čulo, Vida Demarin, Vanja Bašić Kes, Krešimir Rotim, Goran Mrak, Ana Tripalo Batoš

**PROGRAM**

**THURSDAY, April 22nd, 2021**

**MODERATORS: Dijana Zadravec, Suresh K. Mukherji**

13:00 – 13:15h – OPENING CEREMONY – Dijana Zadravec, Croatia

13:15 – 13:35h – History of neuroradiology – Nada Bešenski, Croatia

13:35 – 13:50h – Croatian Society of Neuroradiology of Croatian Medical Association – Dijana Zadravec, Croatia

**PLENARY LECTURES**

14:00 – 15:00h – The value of black blood imaging in the brain, skull base and upper neck – Jan Casselman, Belgium

15:00 – 16:00h – Advances in temporal bone imaging – Suresh K. Mukherji, USA

16:00 – 17:00 – The upcoming new 2021 WHO classification CNS neoplasms: What neuroradiologists need to know – Anne Osborn, USA

17:00 – 18:00 – Neonatal imaging – James Barkovich, USA

18:00 – 18:30 – Medicine without humans: Towards microscopic ultrahigh field MRI and AI – Meng Law, Australia

**FRIDAY, April 23rd, 2021**

**MODERATORS: Dijana Zadravec, Zvonimir Sučić, Tomislav Gregurić, Tomislav Krpan, Mirjana Flegarić-Bradić, Mia Smoljan Basuga**

**I. NEOPLASMS OF CENTRAL NERVOUS SYSTEM**

8:30 – 8:50h – Differentiation of gliomas and other expansive processes – Krešimir Dolić, Croatia

8:50 – 9:10h – Intraoperative MRI – Birgitta Leiram, Sweden

9:10 – 9:30h – Tumor processes of spine – Tomislav Gregurić, Croatia

9:30 – 9:50h – PET-MRI in neurooncology: Neuroradiologist's perspective – Mats Laesser, Sweden

9:50 – 10:10h COFFEE BREAK

10:10 – 10:30h – CT perfusion pitfalls – Sandeep Bhuta, Australia

**II. STROKE; DIAGNOSTICS AND TREATMENT OF CNS VASCULAR LESIONS**

10:30 – 10:50h – Stroke prevention – Vida Demarin, Croatia

10:50 – 11:10h – Neuroradiologic evaluation and algorithms in TIA and stroke – Dijana Zadravec, Croatia

11:10 – 11:30h – Role of neurologist in selection of patients for mechanical thrombectomy – Arijana Lovrenčić-Huzjan, Croatia

11.30 – 11:50h – Mechanical thrombectomy – Tomislav Krpan, Croatia

11:50 – 12:10h – Endovascular treatment of CNS aneurysms – Branimir Čulo, Croatia

12:10 – 12:30h – Hybrid operations of aneurysms – Krešimir Rotim, Croatia

12:30 – 12:50h – AVM – neurosurgical approach – Goran Mrak, Croatia

12:50 – 13:10h – Diploic fistula – Elias Rabahi, Marcelle Rehem Machado, Wilson Novais, Brazil

13:10 - 13:40h SATELLITE SYMPOSIUM (1)

13:40 – 14:30h LUNCH BREAK

14:30 – 14:50h – Assuring high-quality AI science in neuroradiology – Charles Kahn, USA

**III. INFECTIOUS, DEMYELINATING AND NEURODEGENERATIVE DISEASES**

14:50 – 15:10h – COVID-19 and neurology – Vanja Bašić Kes, Croatia

15:10h – 15:30h – CNS manifestations of COVID-19 – Rajan Jain, USA

15:30 – 15:50h – Infectious diseases of CNS – Ivana Župetić, Croatia

15:50 – 16:10h – Demyelination – imaging and differential diagnosis – Zvonimir Sučić, Croatia

16:10 – 16:30h – Neurodegenerative diseases – Mia Smoljan Basuga, Dijana Zadravec, Croatia

16:30 – 16:50h – Toxic encephalopathies – Mirjana Flegarić-Bradić, Croatia

16:50 – 17:10h – SATELLITE SYMPOSIUM (2)

17:10 – 17:40h – COFFEE BREAK

**IV. PEDIATRIC NEURORADIOLOGY**

17:40 – 18:00h – Pediatric neuroemergencies in the ER – Gaurav Saigal, USA

18:00 – 18:20h – Neuroradiological evaluation of developmental brain anomalies – Tamara Rihtar, Croatia

18:20 – 18:40h – Most frequent intracranial tumors of childhood – Ana Tripalo Batoš, Croatia

18:40 – 18:55h – SATELLITE SYMPOSIUM (3)

**SATURDAY, April 24th, 2021**

**MODERATORS: Dijana Zadravec, Tomislav Gregurić, Mirjana Flegarić-Bradić, Mia Smoljan Basuga**

**V. TRAUMA OF CENTRAL NERVOUS SYSTEM**

9:00 – 9:20h – Imaging of brain trauma – Tamer Salha, Croatia

9:20 – 9:40h – Neuroradiological imaging of spinal cord injury – Sanja Lovrić-Kojundžić, Croatia

**VI. SELLA, PONTOCEREBELLAR ANGLE AND TUMOR-LIKE LESIONS**

9:40 – 10:00h – Sellar area imaging – Hrvoje-Ivan Pećina, Croatia

10:00 – 10:20h – Imaging of primary non-neoplastic brain cysts – Vilma Kosović, Croatia

10:20 – 10:40h – CT and MRI of pontocerebellar angles – Đino Varga, Croatia

10:40 – 11:00h SATELLITE SYMPOSIUM (4)

11:00 – 11:30h COFFEE BREAK

**VII. SECTION OF RADIOLOGY TECHNOLOGISTS AND NURSES**

11:30 – 11:50h – Technological possibilities of X-ray devices – Josip Mamić, Dario Gluvačević, Croatia

11:50 – 12:10h – MRI protocols and procedures of neuroradiological intervention devices – Tanja Bedeniković, Anka Romanić, Croatia

12:10 – 12:30h – MRI detection of multiple sclerosis active lesions using 3D subtraction imaging – Joško Žabkar, Croatia

12:30 – 13:30h LUNCH BREAK

**VIII. POSTER PRESENTATIONS**

**MODERATORS: Dijana Zadravec, Tomislav Gregurić, Mia Smoljan Basuga, Antonio Klemenčić**

13:30 – 15:30h

15:30 – 15:45h – CLOSING CEREMONY – Dijana Zadravec, Croatia

**LIST OF LECTURERS:**

**Prof. James Barkovich, MD, PhD,** University of California, San Francisco, California, USA

**Prof. Vanja Bašić Kes, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Tanja Bedeniković, bacc.rad.techn.,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prof. Nada Bešenski, MD, PhD**, Croatia

**Prof. Sandeep Bhuta, MD, PhD**, Griffith University, School of Medicine & Menzies Health Institute, Gold Coast, Australia

**Prof. Jan Casselman, MD, PhD*,*** AZ Sint-Jan Brugge-Oostende A, Brugge, Belgium

**Branimir Čulo, MD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Academic Vida Demarin, MD, PhD**, Croatia

**Assist. Prof. Krešimir Dolić, MD, PhD,** University Hospital Center Split, Split, Croatia

**Rabahi Elias, MD,** Hospital ORION i Santa Mônica, Goiania, Brazil

**Mirjana Flegarić-Bradić, MD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Dario Gluvačević, bacc.rad.techn.,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prim. Tomislav Gregurić, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prof. Rajan Jain, MD, PhD,** New York University, New York, USA

**Prof. Charles Kahn, MD, PhD,** University of Pennsylvania, Pennsylvania, USA

**Vilma Kosović, MD, PhD,** General Hospital Dubrovnik, Dubrovnik, Croatia

**Tomislav Krpan, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prim. Mats Laesser, MD, PhD,** Sahlgrenska University Hospital, Göteborg, Sweden

**Prof. Meng Law, MD, PhD,** Monash University, Melbourne, Victoria, Australia

**Prim. Birgitta Leiram, MD,** Sahlgrenska University Hospital, Göteborg, Sweden

**Prof. Arijana Lovrenčić-Huzjan, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Assist. Prof. Sanja Lovrić-Kojundžić, MD, PhD,** University Hospital Center Split, Split, Croatia

**Josip Mamić, bacc.rad.techn.,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Assist. Prof. Goran Mrak, MD, PhD,** University Hospital Center Zagreb, Zagreb, Croatia

**Prof. Suresh K. Mukherji, MD, PhD,** Michigan State University, East Lansing, MI, USA

**Prof. Anne Osborn, MD, PhD,** University of Utah, Utah, USA

**Prim. Hrvoje-Ivan Pećina, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Marcelle Rehem Machado, MD,** Hospital de Base do Distrito Federal, Brasilia, Brazil

**Tamara Rihtar, MD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Anka Romanić, bacc.rad.techn.,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prof. Krešimir Rotim, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prof. Gaurav Saigal, MD, PhD,** University of Miami, Florida, USA

**Assist. Prof. Tamer Salha, MD, PhD,** Community health center of Osijek - Baranja County, Croatia

**Mia Smoljan Basuga, MD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Prof. Zvonimir Sučić, MD, PhD,** University Hospital Sveti Duh, Zagreb, Croatia

**Ana Tripalo Batoš, MD, PhD,** Children's Hospital Zagreb, Zagreb, Croatia

**Đino Varga, MD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Novais Wilson, MD,** Brasilia, Brazil

**Prof. Dijana Zadravec, MD, PhD,** University Hospital Center Sestre milosrdnice, Zagreb, Croatia

**Joško Žabkar, bacc.rad.techn.,** University Hospital Sveti Duh, Zagreb, Croatia

**Ivana Župetić, MD,** University Hospital for Infectious Diseases „Dr. Fran Mihaljević”, Zagreb, Croatia

**REGISTRATION FEE** – **members of HNRD – free of charge**; specialists 1200 kn, residents 700 kn; radiology technologists 500 kn; nurses 350 kn; medical students and retired doctors – free of charge; others 500 kn