

Joint meeting

The 13th International Symposium on Neurocardiology

NEUROCARD 2024

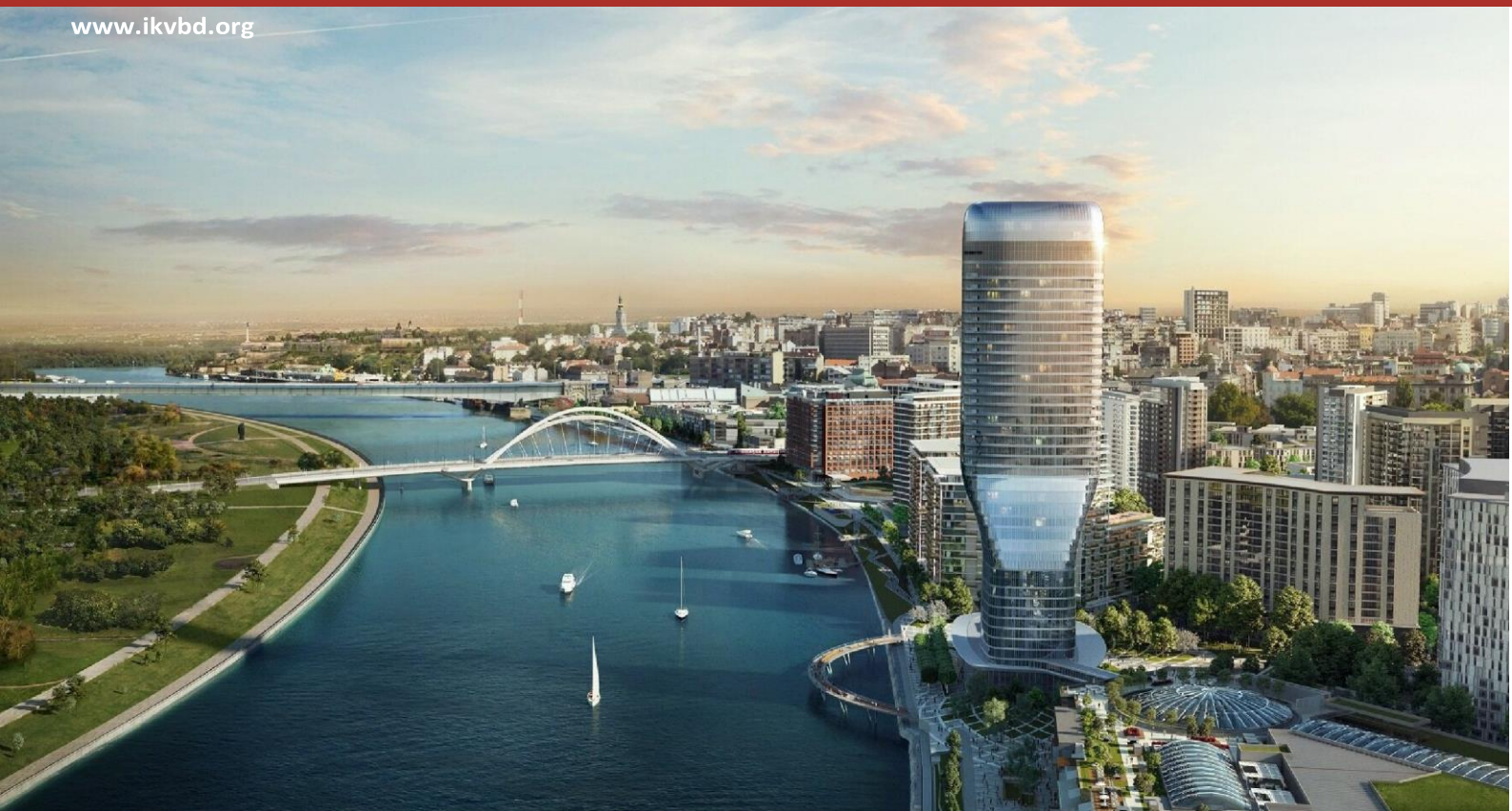
The 12th International Symposium on Noninvasive Electrocardiology

October 4th-5th 2024

Institute for Cardiovascular Diseases "Dedinje"

Belgrade, Serbia

www.ikvbd.org



Under auspices :



Institute for Cardiovascular
Diseases "Dedinje"



Serbian Medical
Society



Serbian
Neurocardiological
Society, SCNS



European Academy of Sciences
and Arts



International Society for
Holter and Noninvasive
Electrocardiology

Dear colleagues,

It is our great pleasure to invite you to the Joint meeting of the 13th International Symposium on Neuro-cardiology, (Neurocard 2024) and the 12th International Symposium on Noninvasive Electrocardiology. The meeting will be held in Belgrade on October 4th-5th 2024 and organized by Serbian Neurocardiological Society, Serbian Autonomic Society and Institute for Cardiovascular Diseases "Dedinje", and auspices of International Society for Holter and Noninvasive Electrocardiology (ISHNE) and The European Academy of Sciences and Arts. The previous NEUROCARD meetings and Joint Meeting on Noninvasive Electrocardiology, included participation of scientists from whole world, Europe and region and organized under the auspices of several international organizations. In order to improve scientific collaboration between experts from similar disciplines we decided to organize joint meeting of Neurocard 2024 and Symposium on Noninvasive Electrocardiology with hope that this formula will be successful.



We hope that NEUROCARD will become a good platform for international scientific cooperation as well as good opportunity to develop friendship in the nice environment and pleasant atmosphere. The **Branislav Milovanovic** progression of heart disease is associated with changes in the neurohumoral mechanisms that **Professor of Internal** control cardiac function. Neurocardiology deals with the degree to which this neurohumoral **Medicine and Cardiology** remodeling occurs, even before overt signs of cardiac disease become manifest. With our cumulative Chairman of the meeting understanding of these inter-dependent processes, new avenues for time-appropriate, targeted President of Serbian methods of treating heart diseases can be developed. The Symposium will bring together medical Neurocardiological Society researchers and specialists focused on the autonomic cardiovascular regulation in different fields such as cardiology, neurology, physiology, molecular biology, genetic, pharmacology, nephrology, endocrinology, psychology, engineering, nano medicine and other disciplines. The purpose of the meeting is to endorse research in neurocardiology and related fields, especially noninvasive electrocardiology to improve prognosis and the outcome of cardiovascular disease and facilitate the dissemination of the state-of-the art. Outstanding experts, members of the Scientific Advisory Board will assure scientific excellence.

On behalf of the Organizing Committee,
Looking forward to welcoming you

Prof dr. Milovan Bojić

A handwritten signature in black ink, appearing to read "Milovan Bojić".

Prof dr. Branislav Milovanović

A handwritten signature in black ink, appearing to read "Branislav Milovanović".

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TOPICS

Basic Neurocardiology	Oncocardiology
Transcranial magnet stimulation	Electrocardiology and Telemedicine
Autoimmune diseases: neuro-cardiological manifestations	Sleep apnea
Syncope, Orthostatic intolerance	Central mechanisms and heart
Nutrition, physical activity and brain-heart connection	Geneticall aspects in Neurocardiology
Blood pressure and neural mechanisms	Placebo effect
Myocardial dysfunction:cardiac-neural interactions	Cardiac autonomic dysfunction and neurological diseases
Biosignal processing	Psychology and autonomic nervous system
Cardiac sudden death: risk stratification	Artificial intelligence
Cardiac arrhythmias and autonomic nervous system	Personalized medicine
Chronic fatigue syndrome	Methabolic autonomic neuropathies
Nano technology	Lyme disease
Post Infection Syndromes	

NEUROCARD 2024 –FINAL PROGRAMME

4th - 5th October ,Institute “Dedinje”,Belgrade, Serbia

October 4th

08:00-09:00 Registration

09:00-09:45 Opening Ceremony

Branislav Milovanovic

President of Serbian Neurocardiological Society, Co-Chairmen of the meeting

Milovan Bojić

Director of Institute for Cardiovascular Diseases-Dedinje,Co-Chairmane of meeting

Zlatibor Lončar

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Minister of Science of the Republic of Serbia

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Representative of European Academy of Science and Arts

Emanuela Locati

Milan, Italy

Member of ISE board

Gary Tse

Gary Tse (Hong Kong Metropolitan University and Second Hospital of Tianjin Medical University)

Suave Lobodzinski

Professor, UCLA University, USA

Member of ISHNE board

Harald M. Stauss

Professor, Burrell College, Las

Cruces, USA

Bassim Irheim Muhammad,

Professor, Al Qadisiyah, Iraq

Dean College of Pharmacy, University of Al Qadisiyah

Goran Krstačić

Professor, Director Institute for preventive and rehabilitation, Zagreb, Croatia

Sekib Sokolovic

Professor, Society of Cardiologists of BiH, Sarajevo

Elnur Smajić

Professor, Director of University Cardiology Clinic Tuzla, BiH

Duška Glavaš

Professor, University of Split, Croatia

Head of Coronary Care Unit, University Cardiology Clinic

JOINT SESSION NEUROCARD-INTERNATIONAL BASIC NEUROCARDIOLOGY GROUP

10:00-11:30 Basic Neurocardiology, Session I

Chairs: Nina Japundzic-Zigon (Belgrade, Serbia), Harald Stauss (Las Cruces, USA),
Najah Hadi (Al Qadisiyah, Iraq)

10:00-10:30 Non-invasive neuromodulation of vagal activity for rate control in patients with persistent atrial fibrillation

Harald M. Stauss (Las Cruces, USA)

10:30-10:50 Vasopresin and cardiovascular autonomic adjustment in chronic hypertensive pregnancy

Mirjana Jovanović¹, Bojana Stevanović², Vladislav Pajović³, Tatjana Tasić², Ljiljana Đukić², Marija Kosić³, David Murphy⁴, Nina Japundžić-Žigon³

10:50-11:10 Targeting inflammation in coronary artery disease: Therapeutic strategies and future directions

Najah R. Hadi (Najaf, Iraq), Bassim I Mohammad, (Al Qadisiyah, Iraq)

11:10-11:30 Oxidative stress and cardiometabolic changes in the cardiovascular system of rats under conditions of monocrotaline-induced heart failure-influence of subchronic administration of vitamin B6 and folic acid

Jovana Jakovljevic (Belgrade, Serbia)

JOINT SESSION NEUROCARD-ISHNE-ISE

**International Society for Holter and noninvasive electrocardiology-ISHNE
International Society for Electrocardiology-ISE**

11:30-12:30

Gary Tse (Hong Kong, China), Emanuela Locati (Milan, Italy), Suave Lobodzinski (USA)

11:30-11:50 Network graph visualization of electrocardiogram waveforms in Brugada syndrome

Gary Tse (Hong Kong Metropolitan University and Second Hospital of Tianjin Medical University)

11:50-12:10 Role of Artificial Intelligence in ECG analysis.

Emanuela Locati (Milan, Italy)

12:10-12:30 Revolutionizing Cardiac Care: Exploring the Impact of Artificial Intelligence on Clinical Practice

Suave Lobodzinski (Los Angeles, USA)

12.30-13:00 Coffee break

**JOINT SESSION NEUROCARD-EMEA
European Myalgic Encephalomyelitis Alliance**

**13:00-14:00 POSTINFECTION SYNDROMES
Myalgic encephalomyelitis/Chronic fatigue syndrome (ME/CFS), Long Covid Syndrome,
Lyme disease**

Chairs: Branislav Milovanovic (Belgrade,Serbia),Timon Zupanc (Ljubljana Slovenia)

**13:00- 13:25 Autonomic dysfunction and infection in Chronic Fatigue Syndrome and Post COVID :
Neurocardiological approach.**

Branislav Milovanovic (Belgrade,Serbia)

13:25-13:45 ME/CFS research: Where we are now and what is the future?

Timon Zupanc (Ljubljana,Slovenia)

**13:45-14:00 The assessment of autonomic nervous system dysfunction in patients with post – infectious
disease syndromes (Post – COVID syndrome, Laym disease,Chronic Fatigue Syndrome)**

Nikola Markovic (Belgrade,Serbia)

14:00-15:00 Lunch

**JOINT SESSION
NEUROLOGY MEET CARDIOLOGY**

15:00-16:40

Chairs:Sanja Pavlovic (Belgrade,Serbia),Antonija Krstacic (Zagreb,Croatia),
Osman Sinanovic (Tuzla,BiH), Sekib Sokolovic(Sarajevo,BiH),Elnur Smajić(Tuzla,BiH)

**15:00-15:20 Autonomic nervous system dysfunction as a predictor of sudden unexpected death in patients
with amyotrophic lateral sclerosis**

Sanja Pavlovic (Belgrade,Serbia)

15:20-15:40 Cardiac involvement in polymyositis

Antonija Krstacic (Zagreb,Croatia)

15:40-16:00 Familial transthyretin polyneuropathy and cardiomyopathy

Osman Sinanovic (Tuzla,BiH)

16:00-16:20 Transthyretin amiloid cardiomyopathy

Sekib Sokolovic (Sarajevo,BiH)

16:20-16:40 Stroke heart syndrome: is it real?

Elnur Smajić (Tuzla,BiH)

JOINT SESSION
Institute „Dedinje“ - Karolinska Hospital-University Olomouc
Microcirculation and Endothelial Dysfunction

16:40-17:40

Chairs: Slobodan Tanaskovic(Belgrade,Serbia), Stefan Stoisavljevic(Stockholm,Sweden),
Jan Galuszka(Olomouc Czech Republic)

16:40-17:00 Risk indexes for restenosis prediction after eversion carotid endarterectomy and carotid artery stenting

Slobodan Tanaskovic (Belgrade,Serbia)

17:00-17:20 Atherosclerotic patients with dementia show poorer long-term survival after carotid endarterectomy and increased markers of coagulation, epithelial-to-mesenchymal transition and inflammation

Stefan Stoisavljevic (Stockholm,Karolinska Hospital)

17:20-17:40 Disorder of microcirculation and regulatory circulatory mechanisms in eclampsia and HELLP syndrome - a case report

Jan Galuszka (Palacký University Olomouc, Czech Republic)

20:00 Gala Dinner

October 5th

NEUROCARD-INTERNATIONAL BASIC NEUROCARDIOLOGY GROUP SESSION

09:00-10:20 Basic Neurocardiology, Session II

Chairs:Vladimir Jakovljević (Kragujevac,Serbia), Bassim I Mohammad (Al Qadisiyah,Iraq)
Dragan Djuric (Belgrade,Serbia)

09:00-09:20 Modulation of translocator protein in isoprenaline-induced rat myocardial injury:focus on cardiac oxidative stress, cardiometabolic and inflammatory markers

Dragan M. Djuric,Ana Stevanovic Ilic, Slavica Mutavdzin Krneta, Dusan Todorovic,Nina Radisavljevic, Sanja Stankovic, Milos P. Stojiljkovic, Ranko Skrbic

09:20-09:40 Role of NMDA receptors in heart physiology and cardioprotection.

Vladimir Jakovljević,Dragan Djurić,Vladimir Živković, Ivan Srejoivić(Kragujevac,Serbia)

09:40-10:00 Effect of Gliclazide on Left Ventricular Diastolic Dysfunction in Patients with T2DM: A Potential Modulator of Non-coding RNAs

Bassim I Mohammad1,Najah R. Hadi (Najaf, Iraq)

10:00-10:20 Mechanisms of propofol-induced coronary vasoactive effects: focus on translational aspects

Marko Djuric, Irina Nenadic, Nemanja Dimic, Marina Bobos, Suzana Bojic, Nina Radisavljevic, Dusan Todorovic, Vladimir Jakovljevic, Predrag Stevanovic

(Belgrade,Serbia)

SYNCOPE

**Neurology-Neurocardiology-Cardiology and Electrophysiology:
Mutual Approach**

10:20-11:40

Chairs: Branislav Milovanovic (Belgrade,Serbia),Sandro Ibrulj (Ljubljana,Slovenia)
Dejan Kojic (Belgrade,Serbia), Cristian Podoleanu (Targu Mures,Romania)

10:20-10:40 The effect of levodopa and 24-hour continuous subcutaneous infusion of foslevodopa-foscarbidopa (Produodopa) on ambulatory blood pressure in patients with Parkinson's disease: preliminary results

Sandro Ibrulj, Bernard Meglič, Maja Trošt (Ljubljana,Slovenia)

10:40-11:00 Update on the treatment option of the reflex syncope

UMFST George Emil palade

Cristian Podoleanu (Targu Mures,Romania)

11:00-11:20 Syncope and OH in patients with Postinfection Syndromes :

Neurocardiological approach

Branislav Milovanovic (Belgrade,Serbia)

11:20-11:40 Cardioneuroablation-new approach in the treatment of syncope

Dejan Kojic(Belgrade,Serbia)

11:40-12:00 Coffee break

SUDDEN CARDIAC DEATH

12:00-13:00

Chairs:Petar Otašević (Belgrade,Serbia), Goran Lončar(Belgarde,Serbia),
Velibor Ristić (Belgarde,Serbia), Danijela Tasić (Belgarde,Serbia)

12:00-12:20 Sudden cardiac death risk in the era of novel heart failure medications

Petar Otašević,Belgrade,Serbia

12:20-12:40 Role of cardiac magnetic resonance in assessment of sudden cardiac death risk in patients with cardiomyopathies

Goran Lončar (Belgarde,Serbia)

12:40-13:00 Prevention of sudden cardiac death and catheter ablation of VT

Velibor Ristić (Belgrade,Serbia)

13:00-14:40 PREVENTION AND CORONARY ARTERY DISEASE

**Chairs: Miodrag Ostojić (Belgrade, Serbia), Nebojša Tasić (Belgrade, Serbia)
Goran Krstajić (Zagreb, Croatia), Aleksandra Nikolić (Belgrade, Serbia)**

13:00-13:20 Chronic coronary syndrome: intrigues, science, guidelines and practice

Miodrag Ostojić (Belgrade, Serbia)

13:20-13:40 Sleep apnea and sympathetic system

Nebojša Tasić (Belgrade, Serbia)

13:40-14:00 From Telecordis to Telehart

Goran Krstajić, Zagreb, Croatia

14:00-14:20 Effect of combined lipid-lowering therapy on atherosclerotic plaque vulnerability in patients with acute coronary syndrome (online)

Duplyakov D., Kovalskaya A., Bikbaeva G. (Samara, Russia)

14:20-14:40 Calcium-channel blockers in patients with multiple arterial grafts

Ivana Petrović (Belgrade, Serbia)

14:20-15:30 Lunch

NEW ADVANCES IN ELECTROCARDIOLOGY AND TREATMENT OF HEART DISEASE

15:30-17:10

**Chairs: Ante Obad (Split, Croatia), Milosav Tomović (Belgrade, Serbia),
Ružica Jurčević (Belgrade, Serbia), Mihajlo Farkić (Belgrade, Serbia),
Dragana Košević (Belgrade, Serbia), Duška Glavaš (Split, Croatia)**

15:30-15:50 Microvolt ECG in Everyday Clinical Practice - Advancing Cardiac

Care with High-Resolution Electrocardiography

Ante Obad (Split, Croatia)

15:50-16:10 Impact of left atrial diameter on long-term outcome after pulmonary vein isolation

Ružica Jurčević (Belgrade, Serbia)

16:10-16:30 Catheter ablation of ganglionic plexuses in the treatment of atrial fibrillation

Milosav Tomović (Belgrade, Serbia)

16:30-16:50 The assessment of autonomic nervous system in patients with TAVI procedure

Mihajlo Farkić (Belgrade,Serbia)

16:50-17:10 End stage heart failure in every day practice: Are we following the guidelines?

Dragana Košević(Belgrade,Serbia)

17:10-17: 30 Heart and brain interactons related to heart failure treatment

Duška Glavaš (Split,Croatia)

PROMOTION OF UNIVERSITY BOOK:

Diseases of heart and blood wesels

17:30-18:30

Editors and Authors: Goran Krstačić (Zagreb,Croatia), Antonija Krstačić (Zagreb, Croatia) and Aleksandar Včev (Osijek, Croatia)

Co-authors: Branislav Milovanović (Belgrade,Serbia), Milovan Bojić (Belgrade,Serbia), Vlado Džajić (Banja Luka,Republika Srpska,BiH)