

NEUROCARD 2017 – FINAL PROGRAM

22th – 23rd September 2017, Crowne Plaza, Belgrade, Serbia

September 22th

08:00-09:00 Registration

09:00-09:30 Opening Ceremony

Branislav Milovanovic

President of Serbian Neurocardiological Society, Chairmen of the meeting
Belgrade, Serbia

Zorica Rasic Milutinovic

President of Serbian Autonomic Society
Belgrade, Serbia

Nina Japundzic-Zigon

President of Serbian Working Group of Basic Neurocardiology
Belgrade, Serbia

Vesna Baltezarevic

Representative of European Academy of Science and Arts
Belgrade, Serbia

Nebojsa Lalic

Dean of Medical faculty, University of Belgrade
Belgrade, Serbia

Marija Zdravkovic

Director of University Clinical Center Bezanijaska Kosa
Belgrade, Serbia

Leonid Makarov

Member of ISHNE board, President of Rohmine
Moscow, Russia

Thomas Klengenheben

Member of ISHNE board
Bonn, Germany

Emanuela Locati

Member of ISHNE board
Milan, Italy

Victor-Dan Moga

Member of ISHNE board
Timisoara, Romania

Bassim Irheim Muhammad

Dean College of Pharmacy, University of Al Qadisiyah
Al Qadisiyah, Iraq

Ludovit Gaspar

Bratislava, Slovak Republic

Venevtseva Yulia

Tula State University
Tula, Russia

Tatiana Mironova

Yekaterinburg, Russia

09:30-10:30 Sudden Cardiac Death: Risk Stratification

Chairs: Branislav Milovanovic (Belgrade, Serbia), Thomas Klingenheben (Bonn, Germany)

09:30-09:50 Artificial intelligence and sudden death risk stratification: new challenge in science?

Branislav Milovanovic, Drasko Furundzic, Tatjana Gligorijevic, Zoran Matic
(Belgrade, Serbia)

09:50-10:10 - Inappropriate Sinus tachycardia - when is it "real"? How - if at all - should it be "treated"?

Thomas Klingenheben
(Bonn, Germany)

10:10-10:30 Role of prolonged ECG monitoring in the diagnosis of infrequent arrhythmic events

Emanuela Locati
(Milan, Italy)

10:30-11:30 The New Technologies in Cardiology

Chairs: Leonid Makarov (Moscow, Russia), Emanuela Locati (Milan, Italy)

10:30-10:45 Remote Monitoring of cardiac implantable devices (CIEDs): telemedicine for everyone?

Thomas Klingenheben
(Bonn, Germany)

10:45-11:00 Risk score to assess mortality risk in patients undergoing transvenous lead extraction

Ewa Topolska, Andrzej Kutarski, Andrzej Oszczygieł, Beata Mańkowska-Załuska, Michał Chudzik, Iwona Cygankiewicz, Jerzy K. Wranicz
(Lodz, Poland)

11:00-11:15 Mobile heart health platform: ECG for everybody

Stevan Jokic, Ivan Jokic, Branislav Milovanovic
(Belgrade, Serbia)

11:15-11:30 The role of CMR in the differential diagnosis of cardiomyopathies

Zdravković M, Hinić S, Popović M, Prijic S, Saric J, Djokovic A, Bisenic V , Gavrilovic , Mudrenovic V, Klasnja S, Omerovic A , Milovanovic B
(Belgrade, Serbia)

11:30-11:45 Coffee break

11:45-12:10 Lecture: Polypill concept in the prevention of atherosclerosis: does it work?

Miodrag Ostojic
(Belgrade, Serbia)

12:10-13:30 Sudden Cardiac Arrest in Athletes

Chairs: Leonid Makarov (Moscow, Russia), Larysa Balikova (Saransk, Russia),
Marija Zdravkovic (Belgrade, Serbia)

12:10-12:30 What new in the problem of sudden cardiac deaths in athletes

Leonid Makarov
(Moscow, Russia)

12:30-12:40 New Mechanisms of Perinatal Hypoxia and Perspectives of Pathogenesis-oriented Treatment

Balykova L.A., Ledyajkina L.V., Trofimov V.A., Vlasov A.P., Motorkina A.S.
(Saransk, Russia)

12:40-12:55 The Evolution of the views on ventricular arrhythmias in athletes

V. Komoliatova, L. Makarov, I.Kisileva, N. Fedina, D. Besportochnii
(Moscow, Russia)

12:55-13:10 The case of spontaneous occlusive thrombosis in the soccer player with hereditary predisposition in a hot humid climate

Pavlov V.I., Gvinianidze M.V., Rezepov A.S., Odzhonikidze Z.G., Badtieva V.A., Yardoshvili A.E.
(Moscow, Russia)

13:10-14.15 Stroke-Risk Factors

Chairs: Ludovit Gaspar (Bratislava, Slovak Republic), Jorge Ignacio Celis Mejia (Medellin, Colombia)

13:10-13:40 Heart and brain: White matter disease, vascular dementia, and its risk for anticoagulation: a review

Jorge Ignacio Celis Mejia
(Medellin, Colombia)

13:40-14:00 Risk factors in stroke in real clinical practice

Ludovit Gaspar, Matej Bendzala, Andrea Komornikova, Iveta Gasparov, Veronika Vestenicka
(Bratislava, Slovak Republic)

14:00-14:15 Transient ischemic attack can be followed by stress induced Takotsubo cardiomyopathy

Marija Zdravkovic, Sasa Hinic, Vladan Mudrenovic, Jelena Saric, Nebojsa Ninkovic, Aleksandra Djokovic, Sergej Prijic, Goran Koracevic, Zoran Andric, Bogdan Crnokrak, Dragan Lovic, Branislav Milovanovic
(Belgrade, Serbia)

14:15-15:00 Lunch

15:00-16:30 Basic Neurocardiology

Chairs: Nina Japundzic-Zigon (Belgrade, Serbia), Dragan Djuric (Belgrade, Serbia),
Bassim I Mohammad (Al Qadisiyah, Iraq)

15:00-15:20 Subchronic Methionine load affected vitamin B12 level and Von Willebrand factor activity in blood of male Wistar rats and induced myocardial haemorrhagia

Djuric D, Micovic Z, Stevanovic A, Djuric M, Obrenović R, Labudovic Borovic M
(Belgrade, Serbia)

15:20-15:40 Pharmacological Protection Against Sepsis Associated Cardiac Dysfunction: Emerging Targets And Strategies

Bassim I. Mohammad
(Al Qadisiyah, Iraq)

15:40-15:55 Vasopressin V1AR expression in the paraventricular nucleus of the hypothalamus in borderline hypertension

Bojana Savić, Olivera Šarenac, Andrew Martin, David Murphy, Nina Japundžić-Žigon
(Belgrade, Serbia)

15:55-16:10 Statins in cardiorenal syndrome: why not?

Z. Todorović
(Belgrade, Serbia)

16:10-16:25 Significance of determination of BCL-2 and CASPASE-3 activity in ischemic heart disease patients

T. Ristic, B.V. Djordjevic, M. Deljanin-Ilic, P. Vlahovic., V. Cosic
(Nis, Serbia)

16:30-18:00 Genetic Aspects in Neurocardiology

Chairs: Zaklyazminskaya Elena (Moscow, Russia), Aleksandra Stankovic (Belgrade, Serbia),
Maja Zivkovic (Belgrade, Serbia)

16:30-16:50 Splicing mutations causing unusual early-onset dominant MYH7-related myopathy

Zaklyazminskaya E.V., Rogozhina Y.A., Filatova A.Y., Polyak M.E., Skoblov M. Y.
(Moscow, Russia)

16:50-17:10 Prevalence of dilated cardiomyopathy in the Russian patients with Marfan Syndrome

Rumyantseva V.A., Rogozhina U.A., Bukaeva A.A., Charchyan E. R, Zaklyazminskaya E.V.
(Moscow, Russia)

17:10-17:30 Cardiovascular genomics: avenue of approach to the personalized medicine

Zivkovic M, Djuric Delic T, Alavantic D, Stankovic A.
(Belgrade, Serbia)

17:30-17:45 Chromosomal region 9p21 in cardiovascular disease: Results from Serbian population

Zivotic I, Stankovic A, Alavantic D, Zivkovic M.
(Belgrade, Serbia)

17:45-18:00 The association of AGTR1, AGTR2 and SCN5A genetic variants with arrhythmia in patients after the first myocardial infarction. Preliminary results of a prospective study

Kolić I., Đurić Delić T., Zivković M., Alavantić D., Dekleva M. Markovic Nikolic N., Stanković A.
(Belgrade, Serbia)

18:00-18:45 The New Challenges: Programmed Placebo Effect

Chairs: Branislav Milovanovic (Belgrade, Serbia), Dejan Zagorac (Belgrade, Serbia),
Dejan Rakovic (Belgrade, Serbia)

18:00-18:15 Case report of patient with psoriasis during application of programming placebo aqueous solution with biochemical and XRD examination of serum samples

D. Jovanovic, B. Milovanovic, D. Zagorac, N. Stankovic, J. Zagorac, B. Babic, B. Matovic
(Belgrade, Serbia)

18:15-18:30 Quantum mechanics combined with XRD investigations of Sucrose as placebo used in medicine

D. Jordanov, D. Zagorac, J. Lukovic, J. Zagorac, B. Matovic, M. Rosic, B. Milovanovic
(Belgrade, Serbia)

18:30-18:45 The cytotoxic effect of Achillea S., L., Rosmarinus officinalis L. and Juniperus communis L. on squamous and basal cell carcinomas cells

Miloš Lazarević, Maja Milošević, Tatjana Gligorijević, Slobodan S. Petrović, Nada Petrovic, Branislav Milovanović
(Belgrade, Serbia)

20:00 Gala dinner, Restaurant Hotel Park

September 23rd

09:00-10:30 Cardiac Autonomic Dysfunction and Neurological Diseases

Chairs: Sanja Pavlovic (Belgrade, Serbia), Tihomir Ilic (Belgrade, Serbia)

09:00-09:25 Heart-brain interactions: infectious, congenital heart disease and heart transplant: Beyond embolic sources

Jorge Ignacio Celis Mejia
(Meddelin, Colombia)

09:25-09:50 Pathogenesis of Parkinson's disease and microbiota - could we be wrong all the time?

Ilić TV
(Belgrade, Serbia)

09:50-10:10 Prognostic value of detrended fluctuation analysis in diferent disease states

Sanja Pavlovic, Dragana Bajić, Branislav Milovanovic, Zorica Stevic
(Belgrade, Serbia)

10:10-10:30 Cardiac involvement in dystrophinopathies

Osman Sinanovic
(Tuzla, Bosnia and Herzegovina)

10:30-11:00 Coffe Break

11:00:12-30 Autoimmune Disease in Neurocardiology

Chairs: Ljudmila Stojanovic (Belgrade, Serbia), L.Kalashnikova (Moscow, Russia)

11:00-11:20 Skin manifestations as independent predictors of stroke and total cardiopulmonal risk: a multidisciplinary study based on the Serbian national APS registry

Stojanovich Ljudmila, Djokovic Aleksandra, Banicevic Slavica, Bisenic Vesna, Danica Lisulov, and Zdravkovic Marija
(Belgrade, Serbia)

11:20-11:35 Sneddon syndrome (SS) and antiphospholipid syndrome (APS)

L.Kalashnikova, L.Stojanovich, L.Dobrynina, E.Alexandrova, A.Novikov, E.Nassonov, J.Chapman, ZS Alekberova
(Belgrade, Serbia)

11:35-11:45 Changing the conceptof antinuclear autoantibofies screening:a new laboratory algorithm in diagnosis of szstemic autoimmune rheumatic diseases

Dolores Pérez , Fernando Lozano, Boris Gilburd, Laura Naranjo, Manuel Serrano, Ora Shovman, Luis Morillas3, Yehuda Shoenfeld, Antonio Serrano
(Madrid, Spain)

11:45-11:55 Effects of training program on quality of life and fatigue in patients with systemic lupus erythematosus

G. Bogdanovic, L.J. Stojanovich
(Belgrade, Serbia)

11:55-12:05 Impact of valvular changes on cerebrovascular manifestations in patients with primary and secondary antiphospholipid syndrome

Djokovic A, Stojanovich L, Banicevic S, Smiljanic D, Zdravkovic M
(Belgrade, Serbia)

12:05-12:20 Autonomic nervous system activity and chronic autoimmune thyroiditis – is there a missing link?

Svetlana Jelić, Branislav Milovanović
(Belgrade, Serbia)

12:20-12:30 Brain-reactive autoantibodies from patients with Neuropsychiatric Systemic Lupus alter calcium homeostasis in cultured hippocampal neurons

Bijelić D., Milošević M., Stojanović Lj., Šakić B., Andjus P.R.
(Belgrade, Serbia)

12:30-14:15 Heart Rate Variability

Chairs: Victor-Dan Moga (Timisoara, Romania), Tatiana Mironova (Yekaterinburg, Russia),
Yulia Venevtseva (Tula, Russia)

12:30-12:45 Coronary artery disease and clinical neurocardiology

Tatiana Mironova, Vladimir Mironov
(Yekaterinburg, Russia)

12:45-13:00 Analysis of body posture changing, painfulness, regulation of the heart and breath during night sleep in experiment with a 5-day dry immersion

A.V.Slonov,,R.M.Baevsky.,I.V.Rukavishnikov.,L.E.Amirova,c.McGregor.,A.Zhmurchak., E.Yu.Bersenev
(Moscow, Russia)

13:00-13:15 Conventional and Complexity Analysis of RR Intervals Dynamics during Head-up Tilt Test

Ioana Cotet, Victor-Dan Moga, Andrei Beceanu, Mirela Lupu, Mariana Moga, Florin Vidu, Ciprian Rezus, Attila Frigy, Rodica Avram
(Timisoara, Romania)

13:15-13:25 Clinical, psychological characteristics and heart rate variability of persons with undifferentiated connective tissue dysplasia

Akimova A.V., Mironov V.A., Tarasova E.V., Palabugina P.A., Talankina A.A.
(Yekaterinburg, Russia)

13:25-13:35 The Chernobyl accident: 31 years later

Eliseev D., Venevtseva Yu., Melnikov A., Pomogaev I.
(Tula, Russia)

13:35-13:45 Heart rate variability and circadian rhythmicity in modern students

Kazidaeva E., Venevtseva Yu., Fedotova A.
(Tula, Russia)

13:45-13:55 Heart rate variability and academic performance in medical school

Putilin L., Venevtseva Yu., Melnikov A.
(Tula, Russia)

13:55-14:00 The relationship between subjective health evaluation and heart rate variability in students with different habitual physical activity

Nikolai Tcarev, Yulia Venevtseva, Aleksandr Melnikov
(Tula, Russia)

14:00-14:45 Lunch

14:45-16:00 Autonomic Function and Cardiovascular Disorders

Chairs: Victor-Dan Moga (Timisoara, Romania), Biljana Pencic (Belgrade, Serbia),
Nebojsa Tasic (Belgrade, Serbia)

14:45-15:00 Sleep Disordered Breathing and Autonomic Nervous System

Ivan Kopitovic
(Novi Sad, Serbia)

15:00-15:15 Heart rate and blood pressure dynamics in hypertensive patients

Victor-Dan Moga, Ioana Cotet, Andrei Beceanu, Mariana Moga, Florin Vidu, Attila Frigy, Rodica Avram
(Timisoara, Romania)

15:15-15:30 Autonomous nerve system changes during deep SCUBA dive

Ante Obad, Tatjana Gligorijević, Duška Glavaš, Igor Glavičić, Maja Valić, Branislav Milovanović, Zoran Valić
(Split, Croatia)

15:30-15:45 The prevention of arrhythmias: HISPA program

Nebojsa Tasic
(Belgrade, Serbia)

15:45-16:00 Comorbidities associated with gender in patients with heart failure with preserved and midrange ejection fraction

A.I.Milaschenko, A.N. Andreev, M.S. Ibragimov, A.V.Akimova
(Yekaterinburg, Russia)

16:00- 17:00 Artificial Neural Network: New Approach in Medicine?

Chairs: Drasko Furundzic (Belgrade, Serbia), Zoran Sevarac (Belgrade, Serbia), Branislav Milovanovic (Belgrade, Serbia)

16:00-16:15 Data Preprocessing for ECG Signal Classification using Artificial Neural Networks

Slobodanka Stanojević Terzić, Zoran Ševarac, Tatjana Gligorijević, Branislav Milovanović
(Belgrade, Serbia)

16:15-16:30 Artificial neural networks for removing artifacts from heart rate variability signals

Zoran Matić, Tijana Bojić, Dejan Raković, Branislav Milovanović
(Belgrade, Serbia)

16:30-16:45 Benefits and risks of artificial intelligence in complex biomedical systems analysis: a review

Tatjana Gligorijević, Branislav Milovanovic
(Belgrade, Serbia)

16:45-17:00 The artificial intelligence and cardiac autonomic patterns in patients with syncope

Branislav Milovanovic, Drasko Furundzic, Tatjana Gligorijević, Zoran Matic
(Belgrade, Serbia)

17:00-18:00 Cardioneurology and Metabolic Neuropathies

Chairs: Natasa Markovic (Belgrade, Serbia), Zorica Rasic Milutinovic (Belgrade, Serbia)
Gordana Pekovic Perunicic (Belgrade, Serbia)

17:00-17:15 Optimal screening of cardiovascular system in renal patients at the beginning of the dialysis

Nataša Marković-Nikolić, Milica Dekleva, Tatjana Damjanović, Goran Lončar, Milan Brajović, Maja Despotović-Nikolić, Nikola Dodić, Ana Čolić-Ozmo, Nada Dimković
(Belgrade, Serbia)

17:15-17:30 Analysis of 24-hour blood pressure and arterial stiffness in patients before and after renal transplantation

Minyukhina I. E., Kashaeva A. I., Posokhov I. N., Struchkov P. V.
(Nizhny Novgorod, Russia)

17:30-17:45 Association between HRV parameters and mortality in HD patients

Pekovic-Perunicic G., Rasic-Milutinovic Z., Milovanovic B.
(Belgrade, Serbia)

17:45-18:00 Association of Diabetes Related Complications with Heart Rate Variability in Type 2 diabetic patients

Zorica Rasic-Milutinovic, Branislav Milovanovic, Dragana Jovanovic
(Belgrade, Serbia)

18:00 -19.25 Biosignal Processing

Chairs: Dragana Bajic, (Belgrade, Serbia), Konstantinos Katzis (Cyprus)

18:00-18:20 Totally Connected Healthcare with TV White Spaces

Konstantinos Katzis, Richard W. Jones and Georgios Despotou
(Cyprus)

18:20-18:35 Multivariate visualization of dependency structures via copula tomography

Sanja Milutinović-Smiljanić, Tamara Škorić, Nina Japundžić-Žigon, Dragana Bajić
(Novi Sad, Serbia)

18:35-18:50 Approximate entropy of PI-transformed signals

Tamara Škorić, Branislav Milovanović, Nina Japundžić-Žigon, Dragana Bajić
(Novi Sad, Serbia)

18:50-19:05 Copula as a quantifier of SBP-RR dependency measure in patients with diabetes

Sladjana Jovanović, Tamara Škorić, Zorica Rasić, Branislav Milovanović, Dragana Bajić
(Novi Sad, Serbia)

19:05-19:15 Effects of ranolazine on ultra low frequency heart rate fluctuations assessed from very shortterm recordings

Miljan Petrovic, Miljan Jeremić
(Nis, Serbia)

19:15-19:20 Task Force® Monitor signals in patients with Lyme disease

Katarina Čočić, Natasa Korčok, Vesna Kokotović, Tamara Škorić, Branislav Milovanović, Dragana Bajić
(Novi Sad, Serbia)

19:20-19:25 On error statistics in Portapres® signals

Marko Mozetić, Jelena Antelj, Katarina Otašević, Tamara Škorić, Branislav Milovanović, Dragana Bajić
(Novi Sad, Serbia)

19:30-19:45 Closing of meeting