International Congress on Electrocardiology Joint meeting of ISHNE and ISE May 30 - June 1, 2019



PROGRAM

SNCS

30 MAY 2019, THURSDAY

07:00-08:30	ISHNE Board Meeting	Meeting Room 4
08:30-09:00	Congress Opening Welcome	Meeting Room 1
	Branislav Milovanovic, President of the congress ICE 2019 Niraj Varma, President of ISHNE Adrian Baranchuk, President of ISE Mladen Sarcevic, Minister, Ministry of Education, Science and Technologica Republic of Serbia Vladimir Popovic, State secretary, Ministry of Education, Science and Techn the Republic of Serbia	l Development of the
	Zlatibor Loncar, Minister, Ministry of Health of the Republic of Serbia Ana Djordjevic Dikic, President of Cardiology Society of Serbia Radoje Colovic, President of Serbian medical society Ilija Brceski, European Academy Of Sciences And Arts	
09:00-17:00	Poster Presentations	
	QRS as a key selection criterion for CRT	Meeting Room 1
	Chairmen: Branislav Milovanovic, Wojciech Zareba	
09:10-09:30	QRS duration or morphology: What really matters for CRT selection? Jayakumar Sahadevan (USA)	
09:30-09:50	Which definition of LBBB should I apply? Ljuba Bacharova (Slovakia)	
09:50-10:10	Do we need machine learning to select the right patient for CRT? Mina Chung (USA)	
10:10-10:30	Should QRS duration be recalibrated to body size in selecting patients fo Niraj Varma (USA)	or CRT?
	Wearable monitoring Chairmen: Emanuela Locati, Suave Lobodzinski	Meeting Room 2
09:10-09:30	Available technologies; how do they work and how accurate are they? Jonathan Steinberg (USA)	
09:30-09:50	What are limitations of wearable ECGs? Polychronis Dilaveris (Greece)	
09:50-10:10	Self monitoring and self medication : NOAC for AF Rod Passman (USA)	
10.10-10.30	Cybersecurity	

	Athletes and sudden death risk	Monting Doom 2
	Chairmen: Brian Olshansky, Ludovit Gaspar	Meeting Room 3
	enanmen. Bhan olshansky, Eudovit odspål	
09:10-09:30	Arterial hypertension in young athletes Larisa Balykova (Russia)	
09:30-09:50	Syncope in athletes: When to worry? Leonid Makarov (Russia)	
09:50-10:10	The changes of QT interval in standing position - new marker of LQ Vera Komoliatova (Russia)	
10:10-10:30	Eligibility and disqualification of competitive athletes with aortic diseases - Marija Andjelkovic (Serbia) and Milica Vukašinović Vesić (Serbia)	-holistic approach
10:30-10:50	Coffee Break	
	Electrocardiology in risk stratification	Meeting Room 1
	Chairmen: Takanori Ikeda, Richard Verrier	
10:50-11:10	ECG predictors of cardiac mortality through our experience Takanori Ikeda (Japan)	
11:10-11:30	Role of noninvasive imaging for predictions of sudden cardiac death Krassimira Hristova (Bulgaria)	
11:30-11:50	Machine learning techniques: New approach in risk stratification Branislav Milovanovic (Serbia)	
11:50-12:10	ECG & VCG aspects in brugada and RV dysplasia Carlos Pastore (Brazil)	
12:10-12:30	ECG risk stratificationin candidates for TAVI Paul Malik (Canada)	
	Sports cardiology	Meeting Room 2
	Chairmen: Luigi De Ambroggi, Leonid Makarov	-
10:50-11:10	Sudden cardiac death in athletes - What's new ? (2019 update) Iwona Cygankiewicz (Poland)	
11:10-11:30	CAD in athletes – how to manage Brian Olshansky (USA)	
11:30-11:50	ECG preparticipation screening - debate continues (USA vs Europe) Mark Haigney (USA)	
11:50-12:10	T wave inversion in athletes Peter Macfarlane (UK)	
12:10-12:30	Cardiac arrhythmias in athletes / AFib in athletes Philippe Chevalier (France)	

10:30-12:00	Oral Abstracts	Meeting Room 3
	Chairmen: Miguel Fiol, Jerzy Krzysztof Wranicz	
10:30-10:45	J-Wave in ischemic conditions – is it really an early repolarization? Alena Tsvetkova, Yan Azarov, Alexey Ovechkin, Olesya Bernikova, Marina Vayk Demidova and Pyotr Platonov	shnorayte, Marina
10:45-11:00	Diagnostic yield of the target gene panels testing in Russian patients with ventricular cardiomyopathy and overlapping phenotypes Anna Shestak, Anna Bukaeva, Olga Blagova, Yulia Lutokhina, Margarita Polya Dzemeshkevich and Elena Zaklyazminskaya	
11:00-11:15	Antiarrhythmic effect of melatonin is associated with enhanced myocardi PKC- signaling in male hypertensive and female obese rats Narcisa Tribulova, Tamara Egan Benova, Barbara Szeiffova Bacova, Vladimir Barancik	
11:15-11:30	A feasibility study to evaluate activation patterns during simultaneous biv based on different ECGI algorithms Stepan Zubarev, Mikhail Chmelevsky, Danila Potyagaylo, Margarita Budanova	
11:30-11:45	Comparison of CARTO LAT maps and non-invasive activation maps created Tikhonov Regularization for electrical potentials Margarita Budanova, Mikhail Chmelevsky, Danila Potyagaylo, Stepan Zubarev Tatjana Treshkur	
12:30-13:30	Lunch Break	
	Luncheon Session 1 Abbott: CRT fails in a third of my patients - accept or intervene?	Meeting Room 1
	Chairmen: Niraj Varma, Goran Milasinovic	
12:40-12:55	The paced QRS- does it predict NRs? Marek Jastrzebski (Poland)	
12:55-13:10	MPP to improve LV activation Niraj Varma (USA)	
13:10-13:25	Dynamic pacing to improve CRT response Brian Wisnoskey (USA)	

	Diagnosis and management of unexplained syncope	Meeting Room 1
	Chairmen: Dmitry Duplyakov, Thomas Klingenheben	Recting Room 1
13:30-13:50	Current challenges with syncope patients Antonio Raviele (Italy)	
13:50-14:10	Autonomic disorders and syncope Brian Olshansky (USA)	
14:10-14:30	Syncope in athletes: What is the best diagnostic pathway? Felix Ayala-Paredes (Canada)	
14:30-14:50	What ECG markers are available for identifying cardiogenic syncope? Sam Johnston (USA)	
14:50-15:10	Neuroablation in syncope Krzysztof Kaczmarek (Poland)	
15:10-15:50	Coffee Break	
	New insights into AF mechanisms	Meeting Room 2
	Chairmen: Jonathan Steinberg, Mark Potse	······
13:30-13:50	P wave indices: Improving stroke prediction in AF Lin Yee Chen (USA)	
13:50-14:10	Advanced interatrial block as a risk factor for atrial fibrillation and stroke Antoni Bayes de Luna (Spain)	
14:10-14.30	Can P Wave wavelet analysis predict atrial fibrillation Vass Vassilikos (Greece)	
14:30-14:50	Atrial fibrillation dynamics Mark Potse (The Netherlands)	
14:50-15:10	Epicardial contact mapping Jayakumar Sahadevan (USA)	
	Basic science	Meeting Room 3
	Chairmen: Leonid Makarov, Nina Zigon Japundzic	
13:30-13:50	Pluripotent stem cells in sudden cardiac death research Mark Haigney (USA)	
13:50-14:10	A comparative study to illustrate the effects of Beta-1 adrenergic receptor on disease outcome in Iraqi patients with acute coronary syndrome (on me Bassim I Mohammad (Iraq)	
14:10-14:30	Deep phenotyping of Russian patients with brugada syndrome Elena V. Zaklyazminskaya (Russia)	
14:30-14:50	Beta adrenergic gene expression and cardiovascular variability in a rat mo induced cardiomyopathy Nina Japundzic (Serbia)	del of doxorubicin

	The his bundle and its arborizations Meeting Room 1 Chairmen: Antoni Bayes de Luna, Sergio Dubner
15:30-15:50	Trifascicular or tetrafascicular nature of the left bundle branch - anatomy and LV depolarization Andres Ricardo Perez-Riera (Brazil)
15:50-16:10	The left septal fascicle – clinical implications Ryszard Piotrowicz (Poland)
16:10-16:30	His bundle pacing Jonathan Steinberg (USA)
16:30-16:50	SVTs using the proximal HPS Najeeb Osman (USA)
16:50-17:00	Discussions
	Heart Rate: Physiology, properties, tools for assessMeeting Room 2and clinical usefulness.Chairmen: Pyotr Platonov, Iwona Cygankiewicz
15:30-15:55	Physiology of heart rate. Intrinsic rhythm and external regulation from autonomic nervous system Pawel Ptaszynski (Poland)
15:55-16:20	Clinical and epidemiological implications of heart rate Tom Ribeiro (Brazil)
16:20-16:45	Prognostic significance of heart rate Wojciech Zareba (USA)

15:30-17:00	ISHNE best abstracts	Meeting Room 3
	Chairmen: Niraj Varma, Takanori Ikeda	
15:30-15:45	Smartwatch performance for the detection and quantification of atrial fib Jeremiah Wasserlauf, Cindy You, Ruchi Patel, Alexander Valys, David Albert a	
15:45-16:00	The usefulness of dual cardiac autonomic nervous modulation assessmer mortality in patients with relatively preserved left ventricular ejection fra Toshio Kinoshita, Atsuko Abe, Ryo Wada, Kensuke Yano, Katsuya Akitsu, Masa Koike, Hitomi Yuzawa, Takeya Suzuki, Tadashi Fujino and Takanori Ikeda	ction
16:00-16:15	Noninvasive beat-to-beat epi-endocardial mapping in patients with ventr Mikhail Chmelevsky, Stepan Zubarev, Margarita Budanova, Danila Potyagayla Dmitry Lebedev	-
16:15-16:30	Should we take gestational age into consideration when assessing an ECG Marina Pimenta, Nelson Samesima, Carlos Alberto Pastore, Vera Lucia Krebs, Werther Carvalho	
16:30-16:45	Sensitivity to electrode placement of a novel automated ECG-vector algori origin Peter van Dam, Roger Abächerli and Tobias Reichlin	ithm to localize the PVC
16:45-17:00	New electrocardiographic score for the prediction of atrial fibrillation: MVF (Morphology-voltage-P-wave duration) Bryce Alexander, Julia Milden, Sohaib Haseeb, Antoni Bayes-Genis, Roberto El Sellés, Cynthia Yeung, Wilma Hopman, Antoni Bayes de Luna and Adrian Bard	osua, Manuel Martínez-
20:00	Gala Dinner	

07:00-08:30	ISE Council Meeting	Meeting Room 4
	Pierre Rijlant Memorial Lecture	Meeting Room 1
	Chairmen: Peter Macfarlane, Adrian Baranchuk	
08:30-09:00	Big Data in Electrocardiography Tom Ribeiro (Brazil)	
09:00-18:15	Poster Presentations	
	Brugada syndrome	Meeting Room 1
	Chairmen: Takanori Ikeda	
9:00-9:20	Brugada phenocopy Adrian Baranchuk (Canada)	
9:20-9:40	Early repolarization vs brugada pattern Peter MacFarlane (UK)	
9:40-10:00	ECG diagnosis- RsR' in V1 lead and differential diagnosis Gary Tse (China)	
10:00-10:20	Risk Stratification using non-invasive ECG techniques in brugada syndrom Konstantino Letsas (Greece)	e
10:20-10:40	Risk stratification in family members in brugada syncrome Malgorzata Kurpesa (Poland)	
	Tachycardiomyopathy	Meeting Room 2
	Chairmen: Bulent Gorenek, Philippe Chevalier	
09:00-09:25	When to ablate PVC Bulent Gorenek (Turkey)	
09:25-09:50	RV pacing Valentina Kutyifa (USA)	
09:50-10:15	Do tachycardia induced CM differ to other NICM? Philippe Chevalier (France)	
10:15-10:40	Noninvasive localization of premature ventricular contractions Milan Tysler (Slovakia)	
	Innovations in Electrocardiology	Meeting Room 3
	Chairmen: Branko Beleslin, Luigi DeAmbroggi	
09:00-09:20	Continuous assessment of late potentials by Holter-based signal-average Takanori Ikeda (Japan)	d ECGs over 24 hours
09:20-09:40	Inhaled flecainide for accelerated conversion of new-onset atrial fibrillatic Richard Verrier (USA)	on
09:40-10:00	Exercise testing with the Combyn™ 12- channel ECG: Assessment of myoc aerobic thresholds by arterial impedance plethysmography Falko Skrabal (Austria)	ardial wall tension and
10:00-10:20	Heart rate variability disorders in young patient with ROHHAD syndrome Larisa Balykova (Russia)	
10:20-10:40	Approaches to assessment of the QT interval by holter monitoring Leonid Makarov (Russia)	
10:40-11:00	Coffee Break	

	ECG Imaging Session Meeting Room 1
	Chairmen: Rob MacLeod, Mark Potse
11:00-11:20	Anatomical localization of pacing sites in CRT patients Danila Potyagaylo (Germany)
11:20-11:40	Improving the diagnostic value of the ECG: 3D anatomical view Peter van Dam (Switzerland)
11:40-12:00	State of the art in ECG imaging – trends and future directions Rob MacLeod (USA)
12:00-12:20	Towards practical ECG Imaging – standardization of the anatomical models Suave Lobodzinski (USA)
12:20-12:40	ECG Imaging without imaging Mark Potse (The Netherlands)
	Sleep disordered breathing and atrial fibrillation: Meeting Room 2 Mechanistic and clinical insights Meeting Room 2
	Chairmen: Ryszard Piotrowicz, Brian Olshansky
11:00-11:20	Key considerations of sleep disordered breathing treatment in atrial fibrillation Adrian Baranchuk (Canada)
11:20-11:40	Clarifying the role of the autonomic nervous system in sleep apnea and atrial arrhythmogenesis Brian Olshansky (USA)
11:40-12:00	Novel questionnaire-based and wearable device monitoring approaches for the identification of sleep apnea and atrial fibrillation Thomas Klingenheben (Germany)
12:00-12:20	Holter monitoring in sleep disordered breathing diagnosis Malgorzata Kurpesa (Poland)
12:20-12:40	P wave and P Wave vector morphology and AF Pyotr Platonov (Sweden)

11:30 - 13:00	Oral Abstracts	Meeting Room 3
11:30-11:45	The advantage of Bachmann's-Bundle pacing combined with His-Bund Peter Stephan Wolff, Piotr Strozik, Jacek Marcin Zawadzki, Aleksandra Go Cisielski, Agnieszka Slawuta and Prof. Dr. Jacek Gajek	-
11:45-12:00	The Use of Noninvasive Arrhythmia Mapping: A Single Center Experien Zorana Mrsic, Matthew Needleman, Mark Haigney and Stephanie Anders	
12:00-12:15	Diurnal Index of Heart Rate for Risk Assessment in Patients with Perm Irena Kurcalte	anent Atrial Fibrillation
12:15-12:30	The diagnostic trap of selective His – bundle pacing Peter Stephan Wolff, Jakub Mercik, Piotr Strozik, Jacek Marcin Zawadzki, Slawuta and Prof. Dr. Jacek Gajek	Aleksandra Gajek, Agnieszka
12:45-13:10	ISHNE General Assembly	Meeting Room 1
	Luncheon Session 2 Medtronic: Advantages and disadvantages of automatic diagnostics with implantable devices Chairmen: Goran Milasinovic	Meeting Room 1
13:10-13:30	Advantages and disadvantages of automatic diagnostics with implan Bozidar Ferek Petric (Croatia)	table devices
13:30-13:50	Automatic diagnostics of hemodynamic parameters in CRT devices Goran Milasinovic (Serbia)	
13:50-14:10	Prolonged automatic monitoring of heart rhythm in the light of new r Dragan Kovacevic (Serbia)	ecommendations
13:00-14:15	Lunch Break	

14:15-15:45	ISE Young Investigator Competition (YIC)	Meeting Room 1
	Chairmen: Rob MacLeod, Tom Ribeiro	
14:15-14:30	Screening for atrial fibrillation using a mobile, single-Lead electroca primary care clinics	rdiogram in Canadian
	Cynthia Yeung, Adrian Baranchuk, Peter Guerra and Jeff Healey	
14:30-14:45	Prognostic value of ECG in patients with pulmonary embolism Irina Mullova, Tatyana Pavlova, Sergey Khokhlunov and Dmitry Duplya	kov
14:45-15:00	Can slow breathing exercise improve the autonomic nervous imbala disease patients? Kentaro Kaneko, Shin-ichi Sekizawa, Ryota Tochinai, Machiko Yamamo	
15:00-15:15	Research mentorship and leadership development for undergradua from the international health informatics study (IHIS) network Gary Tse, Ka Hou Christien Li, Rachel Wing Chuen Lai, Sohaib Haseeb ar	
15:15-15:30	Radiotherapy for patients with cardiovascular Implantable electron experience Cynthia Yeung, Bachar Hazim, Debra Campbell, Jim Gooding, Shirley Li, Sanoj Chacko, Damian Redfearn, Chris Simpson, Hoshiar Abdollah and	- Ho Kit Tam, Wilma Hopman,
15:30-15:45	Association of ACE I/D, AGTR1 +1166A/C and AGTR2 -1332A/G gene var nervous system function in Serbian syncope patients Ivana Kolic, Ivan Zivotic, Tamara Djuric, Maja Zivkovic, Dragan Alavantic Milovanovic and Aleksandra Stankovic	
15:55-16:15	Coffee Break	
	Syncope	Meeting Room 2
	Chairmen: Emanuela Locati, Dmitry Duplyakov	
14:15-14:35	Chronic fatigue syndrome and syncope: New approach in pathophys Branislav Milovanovic (Serbia)	siology and therapy
14:35-14:55	New therapeutic options for the reflex syncope Cristian Podoleanu (Romania)	
14:55-15:15	Risk stratification in patients with syncope Dmitry Duplyakov (Russia)	
15:15-15:35	Syncope, epilepsy or both Nikola Vojvodic (Serbia)	
15:35-15:55	Autonomic tests in the evaluation of syncope – what stands in clinic Thomas Klingenheben (Germany)	al practice?

	New advances in cardiological techniques	Meeting Room 3
	Chairmen: Krassimira Hristova, Falco Skrabal	
14:15-14:40	Localization of MI: CMR - ECG correlations Yochai Birnbaum (USA)	
14:40-15:05	Tracking interlead ECG heterogeneity for detection of arrhythmia risk Richard Verrier (USA)	
15:05-15:30	Live demo of the Combyn™ 12- Channel ECG: Detecting heart failure, over sarcopenia and peripheral arterial occlusive disease during the routine I Falko Skrabal (Austria)	-
15:30-15:55	Cardiomagnetic resonance in diagnosis of heart failure Marija Zdravković (Serbia)	
	Optimization of cardiac resynchronization therapy	Meeting Room 1
	Chairmen; Niraj Varma, Valentina Kutyifa	
16:15-16:35	ECG and holter Wojciech Zareba (USA)	
16:35-16:55	Prolonged PR and benefit from CRT Valentina Kutyifa (USA)	
16:55-17:15	When ECG is sufficient, when the CRT memory, and when should we perfo patients with implanted devices? Jerzy Krzysztof Wranicz (Poland)	orm holter monitoring in
17:15-17:35	The automatic algorithms provided by the devices Niraj Varma (USA)	
17:35-17:55	CRT in patients with atrial fibrillation Polychronis Dilaveris (Greece)	
17:55-18:15	Cardiac rehabilitation in heart failure patients with CRT devices Ewa Piotrowicz (Poland)	

	Chronic inflammation and cardiovascular diseases	Meeting Room 2
	Chairmen: Ljudmila Stojanovic, Ricard Cervera	
16:15-16:35	Neurologic and cardiovascular antiphospholipid syndrome (APS) Events: "Euro-Phospholipid project" Ricard Cervera (Spain)	Lessons from the
16:35-16:55	Chronic inflammation and coronary heart disease Branko Beleslin (Serbia)	
16:55-17:15	Beyond inflammation responses in the brain Jorge I. Celis (Colombia)	
17:15-17:35	Correlations between systemic cardiovascular APS manifestations: Lesio National Registry Ljudmila Stojanovich (Serbia)	ns from the Serbian
17:35-17:55	Relationship of the oxidative stress markers to main vascular manifestat Natasa Stanisavljevic (Serbia)	ions of APS
17:55-18:15	Prevalence and association of accelerated atherosclerosis and cardiovas APS: a prospective long-term follow-up study	cular Involvement in
	Aleksandra Djokovic (Serbia)	
	Aleksandra Djokovic (Serbia) Artificial intelligence and biosignal processing Chairmen: Goran Krstatic, Dragana Bajic	Meeting Room 3
16:15-16:35	Artificial intelligence and biosignal processing	Meeting Room 3
16:15-16:35 16:35-16:55	Artificial intelligence and biosignal processing Chairmen: Goran Krstatic, Dragana Bajic Artificial intelligence: Clinical approach in different diseases	Meeting Room 3
	Artificial intelligence and biosignal processing Chairmen: Goran Krstatic, Dragana Bajic Artificial intelligence: Clinical approach in different diseases Branislav Milovanovic (Serbia) Chaos - state of the (he)art	Meeting Room 3
16:35-16:55	Artificial intelligence and biosignal processing Chairmen: Goran Krstatic, Dragana Bajic Artificial intelligence: Clinical approach in different diseases Branislav Milovanovic (Serbia) Chaos - state of the (he)art Goran Krstacic (Croatia) Comparative analysis of machine learning techniques in cardiology	
16:35-16:55 16:55-17:15	Artificial intelligence and biosignal processing Chairmen: Goran Krstatic, Dragana Bajic Artificial intelligence: Clinical approach in different diseases Branislav Milovanovic (Serbia) Chaos - state of the (he)art Goran Krstacic (Croatia) Comparative analysis of machine learning techniques in cardiology Sladjana Jovanovic (Serbia) Artificial intelligence, features and dependency structures in patients with	th Lyme diseas

07:00-08:30	ISHNE Council Meeting	Meeting Room 3
07:00-08:30	JE Editorial Board Meeting	Meeting Room 4
	Telemedicine in cardiology Chairmen: Emanuela Locati, Ryszard Piotrowicz	Meeting Room 1
09:00-09:20	Telerehabilitation in heart failure patients - TELEREH-HF – multicenter controlled trial Ewa Piotrowicz (Poland)	
09:20-09:40	Insights from TIMI-HF 2 trial Friedrich Kohler (Germany)	
09:40-10:00	Hemodynamic telemonitoring in heart failure - AMULET project Pawel Krzesinski (Poland)	
10:00-10:20	New mobile technologies for arrhythmia detection Philipp Kopylov (Russia)	
10:20-10:40	Crowdsensing heart care platform: ECG for everybody Stevan Jokic (Serbia)	
	ISHNE ECG University	Meeting Room 2
	Chairmen: Jonathan Steinberg, Sergio Dubner, Adrian Baranchuk	
09:00-09:20	ECG University V1: milestones, learning curve, successes and failures Jonathan Steinberg (USA)	
09:20-09:40	ECG University structure: technicalities, website construction, interaction, and examination online Sergio Dubner (Argentina)	
09:40-10:00	ECG University V2: Funding, structure, topics, presenters and new challenge Adrian Baranchuk (Canada)	S
10:00-10:20	12-lead interpretation of pacemakers/ICDs Yochai Birnbaum (USA)	
10:20-10:40	Risk stratification in ARVD Pyotr Platonov (Sweden)	

10:40-11:00	Coffee Break	
	Open questions for AF screening and anticoagulation therapy Meeting Room 1 Chairmen: Sergio Dubner, Antonio Raviele	
11:00-11:25	How long should ECG monitoring last for PAF screening? Emanuela Locati (Italy)	
11:25-11:50	Does prior clinical history (eg post cardiac surgery, cryptogenic stroke,) affect interpretation? Iwona Cygankiewicz (Poland)	
11:50-12:15	Anticoagulant therapy- regional differences Sergio Dubner (Argentina)	
12:15-12:40	What duration of PAF episodes should be considered significant (30 sec? 6 min? 1 hr? 6hrs? 24 hrs?) in order to start NAO/TAO? Mina Chung (USA)	
	Diagnosis and management of ventricular tachycardia Meeting Room 2	
	Chairmen: Parvin Dorostkar, Pawel Ptaszynski	
11:00-11:20	Pharmacological treatment of VT Wojciech Zareba (USA)	
11:20-11:40	ICD programming in reducing unnecesary and inappropriate therapy Valentina Kutyifa (USA)	
11:40-12:00	New systems of body surface mapping: The role of CardioInsight Ivan Cakulev (USA)	
12:00-12:20	Current indications for VT ablation Dejan Vukajlovic (Serbia)	
12:20-12:40	Noninvasive ablation with radiotherapy Marcio Sturmer (Canada)	
	Hypertension and metabolic syndrome Meeting Room 3	
	Chairmen: Reuven Zichlichman, Miodrag Ostojic	
11:00-11:20	How to differentiate LVH from athlete's heart Nelson Samesima (Brazil)	
11:20-11:40	Limitations of surface ECG for the diagnosis of LVH Ljuba Bacharova (Slovakia)	
11:40-12:00	Arterial hypertension and atrial fibrillation - the most important risk factors for stroke in clinical practice Ludovit Gaspar (Slovakia)	
12:00-12:20	Hypertension or metabolic syndrome as predictor of survival in Serbian cohort of the seven countries study Biljana Parapid (Serbia), Biljana Obrenović-Kirćanski (Serbia), Miodrag Ostojic (Serbia)	
12:20-12:40	Blood pressure, arterial aging and arteriosclerosis Reuven Zimlichman (Israel)	

12:40-13:00	ISE General Assembly	Meeting Room 1
13:00-14:00	Lunch Break	
13:10-13:45	Luncheon Session 3 PMI: Cardiovascular Effects of the Tobacco Heating System (THS) 2.2 Compared with Continued Smoking	Meeting Room 1
13:45-14:20	Luncheon Session 4: History of Cardioversion and Defibrillation	Meeting Room 1
	Chairmen: Niraj Varma, Branislav Milovanovic Ivan Cakulev (USA)	
	How to handle asymptomatic AF detected on monitoring	Meeting Room 1
	Chairmen: Bulent Gorenek, Polychronis Dilaveris	
14:20-14:40	BY ECG or holter Bartosz Szafran (Poland)	
14:40-15:00	By my watch or patch Jonathan Steinberg (USA)	
15:00-15:20	By my ILR Rod Passman (USA)	
15:20-15:40	By my pacemaker or ICD Bulent Gorenek (Turkey)	
	Lifestyle/environment as modulators of arrhythmias?	Meeting Room 2
	Chairmen: Ewa Piotrowicz, Mina Chung	
14:00-14:20	Emotional stress and sudden cardiac death Sanja Pavlovic (Serbia)	
14:20-14:40	Obesity and exercise Mina Chung (USA)	
14.40-15:00	Mediteran diet Miguel Fiol (Spain)	
15:00-15:20	Alcohol Adrian Baranchuk (Canada)	
15:30-16:00	Closing Ceremony	Meeting Room 1

30 May 2019 - Thursday 09:00 - 17:00 31 May 2019 - Friday 09:00 - 18:15

42 Tpeak-Tend/QT Ratio Dynamics Depending on the Way in which Action Potentials Duration Changes (Sim ulation Study)

Natalia Arteyeva and Jan Azarov

- 37 Safety and usefulness of a single dose of oral Flecainide to unmask type 1 Brugada pattern Hugo armando buhezo arancibia, Nicolas Martinenghi, Gabriel Eidelman, Fernanda Figueroa Ledesma and Sergio Dubner
- 84 Prediction of Reperfusion Tachyarrhythmias Using Multi- And Single-Lead Tpeak-Tend Intervals Jan Azarov, Viktorija Galinyte, Natalia Arteyeva, Jan Heida, Olesya Bernikova, Peter Kneppo and Ksenia Sedova
- **94 Comparative Analysis of Machine Learning Techniques in Cardiology** Slađana Jovanović, Branislav Milovanović, Marina Rastović, Milan Jovanović, Dušica Jovanović and Dragana Bajić
- 34 Arrhythmogenesis in Experimental Ischemia/Reperfusion can be Controlled by Modification of Repolarization Durations in Perfused Regions Olesya Bernikova, Ksenia Sedova, Marina Vaykshnorayte and Jan Azarov
- 83 Influence of Body Posture and Breathing Frequency on Fractal Scaling Geometry of Cardiac and Respiration Rhythm in Healthy Subjects Zoran Matić, Mirjana Platiša, Aleksandar Kalauzi and Tijana Bojić
- **32 A curious repolarization finding in an infant with complex tuberous sclerosis Case Report** Mirella Facin, Nelson Samesima, Horacio Pereira Filho, Bruna Madaloso, Nancy Tobias and Carlos Alberto Pastore
- 68 Pheochromocytoma an ECG Diagnosis? Thomas Lindow, Olle Pahlm and Erik Ljungström
- 95 Twin Atrioventricular Nodes can occur in Patients with Congenital Heart Disease and may not be associated with Heterotaxy. Parvin Dorostkar
- **48 Paced-Induced Ventricular Extrasystolia during Normal-High Rate Right Ventricular Pacing** Arturo Martin Penato Molina, Elena de la Cruz Berlanga, Ruben Cano Carrizal, Carlos Casanova Rodriguez, Diego Iglesias del Valle and Ignacio Plaza Perez
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