



# IX ALL-RUSSIAN CONGRESS OF ARRHYTHMOLOGY

ARRHYTHMOLOGY WITHOUT FRONTIERS:  
FROM A RESEARCH LAB  
TO CLINICAL GUIDELINES



May 20–22, 2021 | SAINT PETERSBURG

Congress venue: Holiday Inn Moskovskye Vorota,  
Congress Hall, Moskovsky prospect, 97A, St. Petersburg



## SCIENTIFIC PROGRAM

**ORGANIZED BY:**

Ministry of Health of the Russian Federation  
The Russian Academy of Sciences  
Russian Society of Clinical Electrophysiology, Arrhythmology and Cardiac Pacing  
Russian Society of Cardiology  
Almazov National Medical Research Center  
Vishnevsky National Medical Research Center of Surgery  
Russian Scientific Society of Specialists in Endovascular Diagnosis and Treatment  
Russian Society of Surgery  
Russian Association of Pediatric Cardiology

**President of the Congress:**

**Prof. A. Sh. Revishvili**, Academician of the Russian Academy of Sciences, Director of Vishnevsky National Medical Research Center of Surgery, President of the Russian Society of Clinical Electrophysiology, Arrhythmology and Cardiac Pacing

**Chair of Scientific and Organizing Committee:**

**D. S. Lebedev**, Professor of the Russian Academy of Sciences, Chairman of the St. Petersburg Department and Vice President of the Russian Society of Arrhythmology

**Responsible secretaries:**

R. E. Batalov (Tomsk)  
E. S. Vasichkina (St. Petersburg)  
S. V. Garkina (St. Petersburg)  
V. V. Kuptsov (Moscow)  
V. K. Lebedeva (St. Petersburg)  
R. B. Tatarsky (St. Petersburg)

### Scientific and Organizing Committee:

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A. Curnis (Italy)  
K. V. Davtyan (Moscow)  
E. Downar (Canada)  
S. Dudley (USA)  
D. V. Duplyakov (Samara)  
S. S. Durmanov (Penza)  
D. F. Egorov (St. Petersburg)  
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L. Geller (Hungary)  
O. L. Gordeev (St. Petersburg)  
M. Haïssaguerre (France)  
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M. L. Kandinsky (Krasnodar)  
J. Kautzner (Czech Republic)  
M. S. Kharlap (Moscow)  
V. N. Khirmanov (St. Petersburg)  
G. V. Kolunin (Tyumen)  
A. Ya. Kosonogov (N. Novgorod)  
A. A. Kostareva (St. Petersburg)  
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I. A. Kovalev (Moscow)  
S. A. Kovalev (Voronezh)  
S. N. Krivolapov (Tomsk)  
D. V. Kryzhanovskiy (St. Petersburg)

N. V. Lapshina (Samara)  
V. K. Lebedeva (St. Petersburg)  
B. London (USA)  
D. Luria (Israel)  
V. A. Marinin (St. Petersburg)  
A. Mazur (USA)  
B. Merkely (Hungary)  
A. Mihalcz (Austria)  
S. P. Mikhailov (Ekaterinburg)  
L. B. Mitrofanova (St. Petersburg)  
A. A. Nechipurenko (Astrakhan)  
N. M. Neminuschy (Moscow)  
V. S. Nikiforov (St. Petersburg)  
T. N. Novikova (St. Petersburg)  
B. Olshansky (USA)  
M. Orlov (USA)  
E. Ovsyshcher (Israel)  
Yu. A. Shneider (Kaliningrad)  
Yu. V. Shubik (St. Petersburg)  
O. E. Solovyova (Ekaterinburg)  
T. Szili-Torok (Netherlands)  
B. A. Tatarsky (St. Petersburg)  
S. A. Termosesov (Moscow)  
T. V. Treshkur (St. Petersburg)  
D. A. Tsaregorodtsev (Moscow)  
T. V. Tyurina (St. Petersburg)  
E. S. Vasichkina (St. Petersburg)  
T. V. Vavilova (St. Petersburg)  
A. B. Vygovskiy (Kaliningrad)  
E. V. Zaklyazminskaya (Moscow)  
S. A. Zenin (Novosibirsk)  
S. M. Yashin (St. Petersburg)

### Chair of Program Committee:

**Prof. S.V. Popov**, Academician of the Russian Academy of Sciences,  
Director of the Cardiology Research Institute of Tomsk National Research  
Medical Center, Vice President of the Russian Society of Arrhythmology

### Program Committee

#### Clinical arrhythmology:

S. P. Golitsyn (Moscow)  
E. Z. Golukhova (Moscow)  
E. N. Mikhailov (St. Petersburg)  
M. A. Shkolnikova (Moscow)  
Yu. V. Shubik (St. Petersburg)

#### Basic science:

I. V. Efimov (USA)  
A. V. Panfilov (Belgium)  
A. B. Romanov (Novosibirsk)  
V. V. Fedorov (USA)

## GENERAL INFORMATION

### REGISTRATION

Attendance is free, but registration is required.  
Onsite registration will take place on May 20–22 in the lobby of Holiday Inn  
Moskovskye Vorota beginning at 8.00 a.m.

**All symposia will be streamed online  
(except symposia in Pudovkin Hall, May 20–22 and Deyneka Hall,  
May 20 and 22)**

### CONGRESS VENUE

Holiday Inn Moskovskye Vorota, Congress Hall, Moskovsky prospect, 97A,  
St. Petersburg

Time	1 <sup>st</sup> floor	2 <sup>nd</sup> floor			3 <sup>rd</sup> floor					Online only
	Moskovsky Congress Hall 1 000 seats	Deyneca Hall 80 seats	Petrov-Vodkin Hall (1) 70 seats	Petrov-Vodkin Hall (2+3) 149 seats	Pudovkin Hall (1+2) 75 seats	Stenberg Hall (1) 73 seats	Stenberg Hall (2) 79 seats	Piemonte Hall (1) 140 seats	Piemonte Hall (2) 100 seats	Virtual hall 1
REGISTRATION – 8.00 A.M. ONWARDS										
09.00–10.45	Plenary session 1 <i>Arrhythmology Without Frontiers: From a Research Lab to Clinical Guidelines</i> (simultaneous interpretation)		Symposium <i>Mobile Health: Digital Technologies in Arrhythmology</i>	Symposium <i>Controversies in HF Interventional Treatment</i>	9.00–10.30 <i>Rhythmia workshop session</i> (sponsored by Cardiomedics / Boston Scientific)	Symposium <i>Cardiac Rhythm and Conduction Disorders in Patients with Obstructive Sleep Apnea</i>	Symposium <i>Heart Failure Mathematical Modeling</i>	Symposium of the Russian Society of Holter Monitoring and Non-Invasive Electrophysiology (ROHMINE) <i>Sudden Death in Children, Adolescents and Young People</i>	Panel discussion <i>Implantable Life-Saving Devices — Options to Increase Treatment Efficacy</i>	Symposium <i>“How-to” session (clinical case video demonstration) Experience in Cardiac Arrhythmia Treatment in Meshalkin National Medical Research Center</i>
10.45–11.00 Break										
11.00–13.00 Moskovsky Congress Hall (simultaneous interpretation) OPENING CEREMONY OF IX ALL-RUSSIAN CONGRESS OF ARRHYTHMOLOGY ARRHYTHMOLOGY WITHOUT FRONTIERS: FROM A RESEARCH LAB TO CLINICAL GUIDELINES										
13.00–14.00 WELCOME RECEPTION. LEVINSON FOYER										
14.00–15.30	Plenary session 2 <i>Arrhythmology Without Frontiers: From a Research Lab to Clinical Guidelines</i> (simultaneous interpretation)	Symposium <i>Arrhythmia Discrimination Algorithms in ICD: From Inappropriate Shock Prevention to Active Detection of Atrial Fibrillation</i> (sponsored by Medtronic, without online streaming)	Symposium <i>Russian Clinical Registries in Arrhythmology</i>	Symposium <i>Choosing a Treatment Strategy for Patients with Atrial Fibrillation. Surgical VS Medical Therapy: PRO &amp; CONTRA</i> (sponsored by Olainfarm)		Satellite symposium <i>Clinical Advantages and Future Prospects of Novel ICD Systems Based on the Experience of Leading Russian Centers</i> (sponsored by Biotronik)	Symposium 1 <i>Neuromodulation in Cardiology and Arrhythmology</i>	Satellite symposium <i>Integrated Approach to Treatment of Arrhythmias Clinical Case Review</i> (sponsored by Cardiomedics / Boston Scientific)	Panel discussion <i>Controversies in SCD Risk Implementation</i> »	Satellite symposium <i>Treatment and Diagnosis of Complex Supraventricular Tachyarrhythmias Using Modern Abbott Technologies</i> (sponsored by Abbott)
15.30–16.00 Break										
16.00–17.30	Plenary session 3 <i>Arrhythmology Without Frontiers: From a Research Lab to Clinical Guidelines</i> (simultaneous interpretation)	Symposium <i>Permanent Selective Conduction System Pacing: Present and Future</i> (sponsored by Medtronic, without online streaming)	Satellite symposium <i>Topical Issues of Transvenous Lead Extraction</i> (sponsored by Philips, simultaneous interpretation)	Panel discussion <i>Arrhythmologist's Competence: Who Needs It and Why?</i>	Workshop session <i>LA Appendage Occlusion with Watchman Flex Device</i> (sponsored by Cardiomedics / Boston Scientific)	Symposium <i>Diseases That Are Common in Adults but Rare in Children</i>	Symposium 2 <i>Neuromodulation in Cardiology and Arrhythmology</i>	Satellite symposium <i>Patient with Atrial Fibrillation: How to Combine Theory with Practice. Minimizing Bleeding Risk in Anticoagulant Therapy</i> (sponsored by Pfizer)	Panel discussion <i>Controversies in SCD Risk Stratification</i>	Symposium <i>Seth Worley (USA) master class Tips and Tricks for CRT Device Implantation</i>

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MOSKOVSKY HALL (1000 SEATS)

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<b>09.00–10.45</b>	<b>PLENARY SESSION 1</b> <b>ARRHYTHMOLOGY WITHOUT FRONTIERS:</b> <b>FROM A RESEARCH LAB TO CLINICAL GUIDELINES</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Elena Golukhova (Moscow)</b> <b>Sergey Popov (Tomsk)</b> <b>Dmitry Lebedev (St. Petersburg)</b> <b>Alexander Romanov (Novosibirsk)</b>
09.00–09.20	From past to future: translational arrhythmology by the eyes of contemporaries <i>Sergey Popov (Tomsk)</i>
09.20–09.40	Clinical research in arrhythmology: goals and instruments <i>Sergey Yashin (St. Petersburg)</i>
09.40–10.00	Top 10 practice-changing studies in the interventional treatment of cardiac arrhythmias in 2020–2021 <i>Alexander Romanov (Novosibirsk)</i>
10.00–10.20	Artificial intelligence in electrophysiology <i>Arash Arya (Leipzig, Germany)</i>
10.20–10.40	Effective learning strategies and science in arrhythmology: experiments, clinical practice, scientific publications <i>Evgeny Mikhailov (St. Petersburg)</i>
10.40–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>

<b>11.00–13.00</b>	<b>OPENING CEREMONY OF IX ALL-RUSSIAN CONGRESS OF ARRHYTHMOLOGY — ARRHYTHMOLOGY WITHOUT FRONTIERS: FROM A RESEARCH LAB TO CLINICAL GUIDELINES</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Evgeny Shlyakhto (St. Petersburg)</b> <b>Amiran Revishvili (Moscow)</b> <b>Elena Golukhova (Moscow)</b> <b>Sergey Popov (Tomsk)</b> <b>Maria Shkolnikova (Moscow)</b> <b>Dmitry Lebedev (St. Petersburg)</b>
11.00–11.20	Value-based medicine: current state and the future <i>Evgeny Shlyakhto (St. Petersburg)</i>
11.20–11:50	Clinical cardiac electrophysiology: history and new perspective <i>Amiran Revishvili (Moscow)</i>
11:50–12.00	IX All-Russian Congress of Arrhythmology: facts and figures <i>Dmitry Lebedev (St. Petersburg)</i>
12.00–12.30	Opening Ceremony of IX All-Russian Congress of Arrhythmology

**Welcome address:***Official representative of the Russian Ministry of Health**Administration of St. Petersburg**Administration of St. Petersburg Health Committee**Administration of St. Petersburg Health Committee**Evgeny Shlyakhto, Academician of the Russian Academy of Sciences, Director General of Almazov National Medical Research Center, President of the Russian Society of Cardiology (St. Petersburg)*

	<i>Prof. Amiran Revishvili, Academician of the Russian Academy of Sciences, Director of Vishnevsky National Medical Research Center of Surgery, President of the Russian Society of Clinical Electrophysiology, Arrhythmology and Cardiac Pacing (Moscow)</i>		
<b>12.30–13.00</b>	<b>Awards Ceremony 2021 of the Russian Society of Clinical Electrophysiology, Arrhythmology and Cardiac Pacing</b>		
<b>13.00–14.00</b>	<b>WELCOME RECEPTION. LEVINSON FOYER</b>		
<b>14.00–15.30</b>	<b>PLENARY SESSION 2</b> <b>ARRHYTHMOLOGY WITHOUT FRONTIERS:</b> <b>FROM A RESEARCH LAB TO CLINICAL GUIDELINES</b> (simultaneous interpretation)	<b>16.00–17.30</b>	<b>PLENARY SESSION 3</b> <b>ARRHYTHMOLOGY WITHOUT FRONTIERS:</b> <b>FROM A RESEARCH LAB TO CLINICAL GUIDELINES</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Amiran Revishvili (Moscow)</b> <b>Josef Kautzner (Prague, Czech Republic)</b> <b>Eli Ovsyshcher (Israel)</b> <b>Roman Batalov (Tomsk)</b> <b>Victoria Lebedeva (St. Petersburg)</b>		<b>Chairs:</b> <b>Maria Shkolnikova (Moscow)</b> <b>Alexander Panfilov (Belgium)</b> <b>Igor Efimov (USA)</b> <b>Roman Batalov (Tomsk)</b>
<b>14.00–14.20</b>	Prevention of sudden cardiac death — the role of implantable devices <i>Bela Merkely (Hungary)</i>	16.00–16.20	Debunking the concept of one gene-one disease in inheritable sudden death <i>Mario Delmar (New York, USA)</i>
<b>14.20–14.40</b>	New approaches and techniques for AF ablation <i>Josef Kautzner (Prague, Czech Republic)</i>	16.20–16.40	Autonomic nervous system disorders: view of electrophysiologist <i>Brian Olshansky (CUSA)</i>
<b>14.40–15.00</b>	Principles and clinical examples of multisite pacing — personal experience <i>Antonio Curnis (Italy)</i> (sponsored by Cardiomedics Inc/Boston Scientific)	16.40–17.00	Transcriptomic and epigenetic mechanisms of remodeling in heart failure <i>Igor Efimov (Washington DC, USA)</i>
<b>15.00–15.20</b>	Atrial fibrillation: from basic science to real clinical practice <i>Roman Batalov (Tomsk)</i>	17.00–17.20	Pathophysiology of human atrial fibrillation: arrhythmogenic hubs and reentrant drivers <i>Vadim Fedorov (Columbus, USA)</i>
<b>15.20–15.40</b>	Sleep, neuroplasticity and stroke <i>Claudio Bassetti (Bern, Switzerland)</i>	17.20–17.30	Discussion
<b>15.40–16.00</b>	<b>Break</b>		

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 DEYNECA HALL
 

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- 14.00–15.30**     **SYMPOSIUM**  
**ARRHYTHMIA DISCRIMINATION ALGORITHMS IN ICD:  
 FROM INAPPROPRIATE SHOCK PREVENTION  
 TO ACTIVE DETECTION OF ATRIAL FIBRILLATION**  
 (sponsored by Medtronic, without online streaming)
- Chairs:**  
**Victoria Lebedeva (St. Petersburg)**  
**Nikolay Neminuschy (Moscow)**
- 14.00–14.20     Atrial fibrillation detection in implantable devices. Background of the problem, decisions and prospects  
*Nikolay Neminuschy (Moscow)*
- 14.20–14.40     Atrial fibrillation in ICD patients  
*Sergey Krivolapov (Tomsk)*
- 14.40–15.00     ICD programming for inappropriate shocks reduction and better detection of atrial fibrillation  
*Victoria Lebedeva (St. Petersburg)*
- 15.00–15.20     Antiarrhythmic therapy and interventional treatment in ICD patients with atrial fibrillation  
*Angelica Postol (Kaliningrad)*
- 15.20–15.30     Discussion
- 15.30–16.00**     **Break**

- 16.00–17.30**     **SYMPOSIUM**  
**PERMANENT SELECTIVE CONDUCTION SYSTEM PACING:  
 PRESENT AND FUTURE**  
 (sponsored by Medtronic, without online streaming)

**Chairs:**  
**Farkhad Rzaev (Moscow)**  
**Oleg Sapelnikov (Moscow)**

- 16.00–16.20     Selective cardiac conduction system pacing: indications  
*Elena Gupalo (Moscow)*
- 16.20–16.40     Permanent direct cardiac conduction system pacing in patients without HF: do modern devices suit?  
*Victoria Lebedeva (St. Petersburg)*
- 16.40–17.00     Should we aim for selective His bundle pacing?  
*Grigory Kolunin (Tyumen)*
- 17.00–17.15     First results from clinical testing of selective His bundle pacing  
*Tamara Lyubimtseva (St. Petersburg)*
- 17.15–17.30     His bundle stimulation: new opportunities for cardiac conduction system interventional treatment  
*Maxim Gorev (Moscow)*

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 PETROV-VODKIN HALL (1)
 

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- 09.00–10.45**     **SYMPOSIUM**  
**MOBILE HEALTH: DIGITAL TECHNOLOGIES  
 IN ARRHYTHMOLOGY**

**Chairs:**  
**Svetlana Garkina (St. Petersburg)**  
**Denis Lebedev (Kemerovo)**

- 09.00–09.15     Wearable devices for ambulatory cardiac rhythm monitoring. Assembling portable ECG monitoring device: Overview and instructions  
*Lev Malishevsky (St. Petersburg)*  
*Svetlana Garkina (St. Petersburg)*  
*Dmitry Lebedev (St. Petersburg)*



09.15–09.30	Identification of atrial fibrillation in digital medical records using machine learning approaches <i>Olga Volkova (Moscow)</i> <i>Denis Gavrilov (Moscow)</i>
09.30–09.45	Remote monitoring: a benefit or new obligation? <i>Alexandra Prokopenko (Krasnoyarsk)</i> <i>Eduard Ivanitsky (Krasnoyarsk)</i> <i>Evgeny Kropotkin (Krasnoyarsk)</i>
09.45–10.00	Digital technologies in cardiology practice. Implementation of mobile app for informational support of patients with atrial fibrillation <i>Marina Dragunova (Tomsk)</i> <i>Tatyana Moskovskikh (Tomsk)</i> <i>Roman Batalov (Tomsk)</i>
10.00–10.15	Invasive methods in the diagnosis and continuous monitoring of cardiac arrhythmias <i>Denis Lebedev (Kemerovo)</i>
10.15–10.30	Pocket Mobile ECG apps: Who and how should interpret? <i>Andrey Kalemberg (Moscow)</i>
10.30–10.40	Using digital technologies to improve treatment adherence in arrhythmology: the future is near <i>Svetlana Garkina (St. Petersburg)</i> <i>Dmitry Lebedev (St. Petersburg)</i> <i>Alexander Lebedev,</i> <i>Tatyana Mukhortova,</i> <i>Sergey Volkov,</i> <i>Irina Schekutyeva (AppLife Limited, Russia-Cyprus)</i>
10.40–10.55	The role of decision making support service in clinical EP practice <i>Denis Losik (Novosibirsk)</i>
<b>10.55–11.00</b>	<b>Break</b>

<b>14.00–15.30</b>	<b>SYMPOSIUM</b> <b>RUSSIAN CLINICAL REGISTRIES IN ARRHYTHMOLOGY</b>
	<b>Chairs:</b> <b>Alexander Romanov (St. Petersburg)</b> <b>Karapet Davtyan (Moscow)</b> <b>Evgeny Mikhailov (St. Petersburg)</b>
14.00–14.15	National registry of cryoablation for atrial fibrillation 2016–2020: core results <i>Tamara Lyubimtseva (St. Petersburg)</i> <i>Evgeny Mikhailov (St. Petersburg)</i>
14.15–14.30	Acute efficacy of atrial fibrillation ablation using ablation index technology: data from multicenter registry <i>Nigar Gasymova (St. Petersburg)</i> <i>Evgeny Mikhailov (St. Petersburg)</i>
14.30–14.45	Project of registry for endocardial leads extraction <i>Alexey Kosonogov (Nizhniy Novgorod)</i>
14.45–15.00	Left atrial appendage occluders registry <i>Karapet Davtyan (Moscow)</i> (sponsored by Cardiomedics Inc/Boston Scientific)
15.00–15.15	Registry of antithrombotic therapy follow-up <i>Maxim Khruslov (Kursk)</i> <i>Tatyana Vavilova (St. Petersburg)</i>
15.15–15.30	Discussion
<b>15.30–16.00</b>	<b>Break</b>



**16.00–17.30** **SATELLITE SYMPOSIUM**  
**TOPICAL ISSUES OF TRANSVENOUS LEAD EXTRACTION**  
 (sponsored by Philips, simultaneous interpretation)

**Chairs:****Amiran Revishvili (Moscow)****Oleg Sapelnikov (Moscow)****Sergey Krivolapov (Tomsk)**

- 16.00–16.10 Current situation with transvenous lead extraction in the Russian Federation  
*Amiran Revishvili (Moscow)*
- 16.10–16.30 Implantation strategy to reduce complications in lead extraction  
*Brigitte Osswald (Germany)*
- 16.30–16:50 CIED infections: from detection to treatment  
*Antonio Curnis (Italy)*
- 16:50–17.05 Transvenous lead extraction. New type of high-tech medical care and patient routing  
*Sergey Ayvazyan (Nizhny Novgorod)*
- 17.05–17.20 Guidelines for lead extraction in patients with cardiac implantable electronic devices  
*Sergey Aivazyan (Nizhny Novgorod)*  
*Elena Artyukhina (Moscow)*  
*Sergey Gureev (St. Petersburg)*  
*Alexey Kosonogov (Nizhny Novgorod)*  
*Sergey Krivolapov (Tomsk)*  
*Dmitry Lebedev (St. Petersburg)*  
*Anatoly Nechepurenko (Astrakhan)*  
*Dmitry Podolyak (Moscow)*  
*Amiran Revishvili (Moscow)*  
*Oleg Sapelnikov (Moscow)*  
*Dmitry Khomutinin (Tyumen)*  
*Elena Artyukhina (Moscow)*
- 17.20–17.30 Discussion

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**PETROV-VODKIN HALL (2+3)**


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**09.00–10.45** **SYMPOSIUM**  
**CONTROVERSIES IN HF INTERVENTIONAL TREATMENT**

**Chairs:****Maria Sitnikova (St. Petersburg)****Victoria Lebedeva (St. Petersburg)****Vyacheslav Mareev (Moscow)****Sergey Krivolapov (Tomsk)**

- 09.00–09.15 Implantable ICD: should we reconsider the indications for primary SCD prevention?  
*Yuri Mareev (Moscow)*
- 09.15–09.30 Cardiac resynchronization therapy: should it be discontinued and in which patients?  
*Maria Trukshina (St. Petersburg)*
- 09.30–09:50 Possible options for optimal resynchronization  
*Dmitry Podolyak (Moscow)*  
 (sponsored by Mediko-tekhnologicheskiy park)
- 09:50–10.05 Role of permanent cardiac conduction system pacing in HF patients  
*Maxim Gorev (Moscow)*
- 10.05–10.20 Optimizer — an alternative to CRT or last hope for patients with narrow QRS?  
*Alexey Filippenko (Novosibirsk)*
- 10.20–10.35 Antithrombotic therapy in patients with atrial fibrillation and cardiac resynchronization therapy implanted device  
*Igor Kurlov (Tomsk)*  
*Marina Dragunova (Tomsk)*  
*Galina Savenkova (Tomsk)*  
*Sergey Krivolapov (Tomsk)*  
*Roman Batalov (Tomsk)*  
*Sergey Popov (Tomsk)*
- 10.35–10.45 Discussion
- 10.45–11.00** **Break**

<b>14.00–15.30</b>	<p><b>SYMPOSIUM</b>  <b>CHOOSING A TREATMENT STRATEGY FOR PATIENTS WITH ATRIAL FIBRILLATION. SURGICAL VS MEDICAL THERAPY: PRO &amp; CONTRA</b>          (sponsored by Olainfarm)</p> <p><b>Chairs:</b>  <b>Evgeny Mikhailov (St. Petersburg)</b></p> <p><b>Speakers:</b>  <b>Andrey Ardashev (Moscow)</b>  <b>Alexey Tarasov (Moscow)</b></p> <p><b>Seconds:</b>  <b>Natalya Lapshina (Samara)</b>  <b>Valery Ionin (St. Petersburg)</b></p>
14.00–14.05	Introduction <i>Evgeny Mikhailov (St. Petersburg)</i>
14.05–14.30	Pharmacological therapy in patients with atrial fibrillation <i>Alexey Tarasov (Moscow)</i>
14.30–14.55	Surgical treatment in patients with atrial fibrillation <i>Andrey Ardashev (Moscow)</i>
14.55–15.10	Questions from the medication therapy advocate (second Alexey Tarasov (Moscow)) <i>Valery Ionin (St. Petersburg)</i> <i>Debates with Andrey Ardashev (Moscow)</i>
15.10–15.25	Questions from the surgical treatment advocate (second Andrey Ardashev) <i>Natalya Lapshina (Samara)</i> <i>Debates with Alexey Tarasov (Moscow)</i>
15.25–15.30	Conclusion <i>Evgeny Mikhailov (St. Petersburg)</i>
<b>15.30–16.00</b>	<b>Break</b>

<b>16.00–17.30</b>	<p><b>PANEL DISCUSSION</b>  <b>ARRHYTHMOLOGIST'S COMPETENCE: WHO NEEDS IT AND WHY?</b></p> <p><b>Chairs:</b>  <b>Amiran Revishvili (Moscow)</b>  <b>Sergey Popov (Tomsk)</b>  <b>Simon Matskeplishvili (Moscow)</b>  <b>Mikhail Gordeev (St. Petersburg)</b>  <b>Yuri Shneider (Kaliningrad)</b>  <b>Mikhail Gilyarov (Moscow)</b>  <b>Dmitry Lebedev (St. Petersburg)</b></p>
16.00–16.20	Level of competence evaluation: the role of professional community <i>Sergey Yashin (St. Petersburg)</i>
16.20–16.40	Being a cardiologist in Sweden — what did I have to learn? <i>Pyotr Platonov (Lund, Sweden)</i>
16.40–17.00	Chief cardiology consultant of the region. New point of view <i>Sergey Zenin (Novosibirsk)</i>
17.00–17.20	Field-specific section in the Russian Society of Cardiology: opportunities and responsibilities in arrhythmologist training <i>Mikhail Gilyarov (Moscow)</i>
17.20–17.30	Discussion

## PUDOVKIN HALL (1+2)

**09.00–10.30**     **RHYTHMIA WORKSHOP SESSION**  
(sponsored by Cardiomedics/Boston Scientific)

**Moderators:**  
**Anton Sergeev (Moscow)**  
**Dmitry Kosyrev (Moscow)**

**10.30–11.00**     **Break**

**16.00–17.30**     **WORKSHOP SESSION**  
**LA APPENDAGE OCCLUSION**  
**WITH WATCHMAN FLEX DEVICE**  
(sponsored by Cardiomedics/Boston Scientific)

**Moderators:**  
**Olga Ganeeva (Moscow)**  
**Alexey Knigin (Moscow)**

## STENBERG HALL (1)

**09.00–10.45**     **SYMPOSIUM**  
**CARDIAC RHYTHM AND CONDUCTION DISORDERS**  
**IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA**

**Chairs:**  
**Mikhail Agaltsov (Moscow)**  
**Yuri Sviryaev (St. Petersburg)**

- 09.00–09.20     Control of sleep-related breathing disorders in patients before and after atrial fibrillation occurrence: from prevention to arrhythmia management  
*Valery Ionin (St. Petersburg)*  
*Angelina Filatova (Moscow)*  
*Victoria Pavlova (St. Petersburg)*
- 09.20–09.40     Effect of continuous CPAP-therapy withdrawal on obstructive sleep apnea clinical course in patients with paroxysmal atrial fibrillation  
*Mikhail Agaltsov (Moscow)*
- 09.40–10.00     Bradyarrhythmias during night: correlation with sleep disorders  
*Mikhail Bochkarev (St. Petersburg)*
- 10.00–10.20     Hypoxia-inducible factor 1-alpha (HIF-1a) as a biomarker of AF recurrence associated with obstructive sleep apnea/hypopnea  
*Vitaly Shishko (Grodno, Belarus)*
- 10.20–10.35     Case demonstration of cardiac rhythm and conduction disorders in patients with obstructive sleep apnea  
*Lyudmila Korostovtseva (St. Petersburg)*  
*Yuri Sviryaev (St. Petersburg)*  
*Svetlana Garkina (St. Petersburg)*
- 10.35–10.45     Discussion
- 10.45–11.00**     **Break**

**14.00–15.30** **SATELLITE SYMPOSIUM**  
**CLINICAL ADVANTAGES AND FUTURE PROSPECTS**  
**OF NOVEL ICD SYSTEMS BASED ON THE EXPERIENCE**  
**OF LEADING RUSSIAN CENTERS**  
 (sponsored by Biotronik)

**Co-Chairs:**  
**Dmitry Lebedev (St. Petersburg)**  
**Eduard Ivanitsky (Krasnoyarsk)**

- 14.00–14.15 Experience in managing patients with innovative single-chamber ICD systems: comparing the advantages and implantation outcomes of DX vs S-ICD  
*Alexandra Prokopenko (Krasnoyarsk)*
- 14.15–14.30 Quality of recorded atrial potentials in a single-chamber ICD DX. The basis for novel cardiac resynchronization systems  
*Angelica Postol (Kaliningrad)*
- 14.30–14.45 DX system for early detection of AF onset in patients with ICD implanted for primary SCD prevention  
*Anatoly Nechepurenko (Astrakhan)*
- 14.45–15.00 Atrial events detection in single-chamber ICD systems. Solving the problem of SVT discrimination  
*Dmitry Kryzhanovsky (St. Petersburg)*
- 15.00–15.20 Panel discussion of clinical benefits, effectiveness and prospects of DX ICD technology  
*Dmitry Lebedev (St. Petersburg)*  
*Eduard Ivanitsky (Krasnoyarsk)*  
*Anatoly Nechepurenko (Astrakhan)*  
*Dmitry Kryzhanovsky (St. Petersburg)*  
*Alexandra Prokopenko (Krasnoyarsk)*  
*Angelica Postol (Kaliningrad)*
- 15.20–15.30 Closing remarks  
*Eduard Ivanitsky (Krasnoyarsk)*  
*Dmitry Lebedev (St. Petersburg)*

**15.30–16.00** **Break**

**16.00–17.30** **SYMPOSIUM**  
**DISEASES THAT ARE COMMON IN ADULTS**  
**BUT RARE IN CHILDREN**

**Chairs:**  
**Elena Vasichkina (St. Petersburg)**  
**Sergey Termosesov (Moscow)**

- 16.00–16.15 Idiopathic atrial fibrillation in children. Controversies of etiology, diagnosis and treatment  
*Angelina Yakshina (Moscow)*  
*Igor Khamnagadaev (Moscow)*  
*Maria Shkolnikova (Moscow)*  
*Igor Kovalev (Moscow)*  
*Sergey Termosesov (Moscow)*  
*Vera Bereznitskaya (Moscow)*
- 16.15–16.30 Prolonged sinus pauses – is pacemaker always indicated?  
*Tatyana Kovalchuk (St. Petersburg)*  
*Xenia Chueva (St. Petersburg)*  
*Elena Yakovleva (St. Petersburg)*  
*Elena Vasichkina (St. Petersburg)*
- 16.30–16.45 Myocardial infarction in children: etiology, diagnosis and treatment approaches  
*Svetlana Fetisova (St. Petersburg)*  
*Elena Vasichkina (St. Petersburg)*  
*Tatyana Kruchina (St. Petersburg)*
- 16.45–17.00 COVID-19-associated heart injury in children  
*Victoria Steepochkina (St. Petersburg)*  
*Tatyana Kruchina (St. Petersburg)*  
*Natalya Plutova (St. Petersburg)*  
*Gennadiy Novik (St. Petersburg)*
- 17.00–17.15 Experience of cardiac resynchronization therapy in children  
*Xenia Chueva (St. Petersburg)*  
*Elena Vasichkina (St. Petersburg)*  
*Dmitry Lebedev (St. Petersburg)*
- 17.15–17.25 Mystery of noncompaction cardiomyopathy in children  
*Yulia Lukyanchik (Tomsk)*
- 17.25–17.30 Discussion

## STENBERG HALL (2)

<b>09.00–10.45</b>	<b>SYMPOSIUM</b> <b>HEART FAILURE MATHEMATICAL MODELING</b>
	<b>Chairs:</b> <b>Olga Solovyova (Ekaterinburg)</b> <b>Victoria Lebedeva (St. Petersburg)</b> <b>Pyotr Fedotov (St. Petersburg)</b>
09.00–09.20	Informational models of CRT efficacy depending on postoperative period <i>Tatyana Chumarnaya (Ekaterinburg)</i> <i>Svyatoslav Solodushkin (Ekaterinburg)</i> <i>Tamara Lyubimtseva (St. Petersburg)</i> <i>Victoria Lebedeva (St. Petersburg)</i> <i>Dmitry Lebedev (St. Petersburg)</i> <i>Olga Solovyova (Ekaterinburg)</i>
09.20–09.40	Biventricular pacing optimization: in-silico study <i>Anastasia Bazhutina (Ekaterinburg)</i> <i>Svyatoslav Khamzin (Ekaterinburg)</i> <i>Arseniy Dokuchaev (Ekaterinburg)</i> <i>Olga Solovyova (Ekaterinburg)</i>
09.40–10.00	Personalized mathematical heart model <i>Svyatoslav Khamzin (Ekaterinburg)</i> <i>Anastasia Bazhutina (Ekaterinburg)</i> <i>Arseniy Dokuchaev (Ekaterinburg)</i> <i>Olga Solovyova (Ekaterinburg)</i>
10.00–10.15	New approaches for echocardiography data processing for CRT efficacy prediction <i>Roman Rokeakh (Ekaterinburg)</i> <i>Tatyana Chumarnaya (Ekaterinburg)</i> <i>Olga Solovyova (Ekaterinburg)</i>
10.15–10.35	Electrical conduction imaging in cardiologist's practice <i>Stepan Zubarev (St. Petersburg)</i>
10.35–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>

14.00–15.30

**SYMPOSIUM 1**  
**NEUROMODULATION IN CARDIOLOGY**  
**AND ARRHYTHMOLOGY****Chairs:****Alexander Yakovlev (Moscow)****Alexander Romanov (Novosibirsk)**

14.00–14.20	Neuromodulation in cardiology — history and possible application <i>Alexander Yakovlev (Moscow)</i>
14.20–14.40	Neuromodulation — advance in arrhythmology. Studies overview <i>Maria Chaikovskaya (Moscow)</i>
14.40–15.00	Clinical experience of neuromodulation in patients with comorbidities <i>Marina Yakovleva (Moscow)</i>
15.00–15.20	Perivascular nerve ablation in pulmonary hypertension: new horizons <i>Natalya Goncharova (St. Petersburg)</i> <i>Ivan Condori (St. Petersburg)</i> <i>Alexander Vakhrushev (St. Petersburg)</i>
15.20–15.30	Discussion
<b>15.30–16.00</b>	<b>Break</b>

**16.00–17.30**     **SYMPOSIUM 2**  
**NEUROMODULATION IN CARDIOLOGY**  
**AND ARRHYTHMOLOGY**

**Chairs:**  
**Evgeny Mikhailov (St. Petersburg)**  
**Marina Yakovleva (Moscow)**

16.00–16.15     Autonomic regulation of myocardial function — what is new?  
*Alexander Kalinkin (Moscow)*

16.15–16.30     Heart failure — can neuromodulation be applied?  
*Evgeny Mikhailov (St. Petersburg)*

16.30–16.45     Spinal cord stimulation for AF prevention — experimental  
and clinical data  
*Alexander Romanov (Novosibirsk)*

16.45–17.00     Renal denervation: ventricular arrhythmias, systemic  
and pulmonary hemodynamics, safety  
*Alexander Vakhrushev (St. Petersburg)*

17.00–17.15     Antiarrhythmic effect of subliminal vagal stimulation  
in myocardial ischemia and reperfusion experiment  
*Ekaterina Polyakova (St. Petersburg)*

17.15–17.30     Discussion

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## PIEMONTE HALL (1)

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**09.00–10.45**     **SYMPOSIUM OF THE RUSSIAN SOCIETY**  
**OF HOLTER MONITORING AND NON-INVASIVE**  
**ELECTROPHYSIOLOGY (ROHMINE)**  
**SUDDEN DEATH IN CHILDREN, ADOLESCENTS**  
**AND YOUNG PEOPLE**

**Chairs:**  
**Larisa Balykova (Saransk)**  
**Leonid Makarov (Moscow)**

09.00–09.20     Medications, pacemakers and sudden death  
*Larissa Balykova (Saransk)*

09.20–09.40     Syncope in schoolchildren and young athletes. “EPISODE” study  
*Leonid Makarov (Moscow)*

09.40–10.00     Genetics of channelopathies with risk of sudden cardiac death  
in young adults  
*Dmitry Zateyschikov (Moscow)*

10.00–10.20     Bradycardia and sudden death  
*Vera Komolyatova (Moscow)*

10.20–10.45     Discussion

**10.45–11.00**     **Break**

**14.00–15.30**     **SATELLITE SYMPOSIUM**  
**INTEGRATED APPROACH**  
**TO TREATMENT OF ARRHYTHMIAS**  
**CLINICAL CASE REVIEW**  
(sponsored by Cardiomedics/Boston Scientific)

**Chairs:**  
**Evgeny Shlyakhto (St. Petersburg)**  
**Sergey Boytsov (Moscow)**  
**Evgeny Mikhailov (St. Petersburg)**  
**Oleg Sapelnikov (Moscow)**

14.00–14.10     Combined treatment approach for a patient with advanced  
heart failure (subcutaneous ICD + Optimizer + ablation  
of VT?AF?)  
*Nikolay Petrov (St. Petersburg)*

14.10–14.20     Dynamics of heart failure clinical course and myocardial  
remodeling in young patients with cardiac contractility  
modulation  
*Marianna Vander (St. Petersburg)*

14.20–14.30     Combined treatment approach for HF + AF patients  
(substrate HD mapping using Orion basket catheter + ICD  
and Optimizer)  
*Victoria Orshanskaya (St. Petersburg)*

14.30–14.40	Clinical case of VT treatment using HD mapping, long-term outcomes (RFA + ICD) <i>Vasilij Bryukhov (Chelyabinsk)</i>
14.40–14:50	Clinical case of sinus rhythm restoration after 6 years of persistent atrial fibrillation in a patient with cardiac contractility modulation <i>Elena Gupalo (Moscow)</i>
14:50–15.00	Cardiac pacing system extraction — what we had to face <i>Oleg Sapelnikov (Moscow)</i>
15.00–15.30	Discussion
<b>15.30–16.00</b>	<b>Break</b>
<b>16.00–17.30</b>	<b>SATELLITE SYMPOSIUM</b> <b>PATIENT WITH ATRIAL FIBRILLATION:</b> <b>HOW TO COMBINE THEORY WITH PRACTICE.</b> <b>MINIMIZING BLEEDING RISK IN ANTICOAGULANT THERAPY</b> (sponsored by Pfizer)  <b>Chair:</b> <b>Yuri Shubik (St. Petersburg)</b>
16.00–16.20	2020 Russian guidelines on management of AF and what do we have in reality: focus on anticoagulant therapy <i>Yuri Shubik (St. Petersburg)</i>
16.20–16.40	What has changed in the treatment strategy for AF + CAD patients <i>Alexey Yakovlev (St. Petersburg)</i>
16.40–17.00	What to consider in oral anticoagulation therapy in patients with AF and rheumatic diseases <i>Tatyana Novikova (St. Petersburg)</i>
17.00–17.20	AF and nonalcoholic fatty liver disease: minimization of risks in anticoagulant therapy <i>Svetlana Villevalde (St. Petersburg)</i>
17.20–17.30	Discussion

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**PIEMONTE HALL (2)**


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<b>09.00–10.45</b>	<b>PANEL DISCUSSION</b> <b>IMPLANTABLE LIFE-SAVING DEVICES —</b> <b>OPTIONS TO INCREASE TREATMENT EFFICACY</b>  <b>Chairs:</b> <b>Yanis Dumpis (St. Petersburg)</b> <b>Yuri Karpenko (Odessa, Ukraine)</b> <b>Nikolay Neminuschy (Moscow)</b> <b>Marina Yakovleva (Moscow)</b>
09.00–09.30	ICD and primary SCD prevention <i>Nikolay Neminuschy (Moscow)</i>
09.30–09:50	Optimization of ICD programming strategies <i>Yanis Dumpis (St. Petersburg)</i>
09:50–10.10	Cardiac conduction system pacing in patients with high risk of SCD <i>Yuri Karpenko (Odessa, Ukraine)</i>
10.10–10.30	Multidisciplinary approach in management of patients with implantable life-saving devices <i>Marina Yakovleva (Moscow)</i>
10.30–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>



**14.00–15.30** **PANEL DISCUSSION**  
**CONTROVERSIES IN SCD RISK IMPLEMENTATION**

**Chairs:**

**Maxim Kandinsky (Krasnodar)**  
**Leonid Makarov (Moscow)**  
**Victor Snezhitsky (Grodno, Belarus)**  
**Sergey Yashin (St. Petersburg)**

14.00–14.20 Life-threatening cardiac arrhythmias in HF patients and factors determining the outcomes  
*Victor Snezhitsky (Grodno, Belarus)*

14.20–14.40 SCD by Commotio Cordis  
*Leonid Makarov (Moscow)*

14.40–15.00 Complex cases of interventional treatment of life-threatening cardiac arrhythmias in children  
*Maxim Kandinsky (Krasnodar)*

15.00–15.15 Syncope — is there a simple solution?  
*Sergey Yashin (St. Petersburg)*

15.15–15.30 Discussion

**15.30–16.00** **Break**

**16.00–17.30** **PANEL DISCUSSION**  
**CONTROVERSIES IN SCD RISK STRATIFICATION**

**Chairs:**

**Yanis Dumpis (St. Petersburg)**  
**Sergey Sayganov (St. Petersburg)**  
**Sergey Yashin (St. Petersburg)**

16.00–16.20 SCD risk stratification — what do current guidelines say?  
*Yanis Dumpis (St. Petersburg)*

16.20–16.40 SCD risk stratification in the routine practice of primary care physician  
*Evgeny Zhelyakov (Moscow)*

16.40–17.00 SCD risk stratification — role of imaging and modeling  
*Sergey Yashin (St. Petersburg)*

17.00–17.20 SCD in non-ischemic heart failure  
*Sergey Sayganov (St. Petersburg)*

17.20–17.30 Discussion

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**VIRTUAL HALL 1 (ONLINE ONLY)**

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**09.00–10.45** **SYMPOSIUM**  
**“HOW-TO” SESSION (CLINICAL CASE VIDEO DEMONSTRATION) EXPERIENCE IN CARDIAC ARRHYTHMIA TREATMENT IN MESHALKIN NATIONAL MEDICAL RESEARCH CENTER**

**Chairs:**

**Eduard Ivanitskiy (Krasnoyarsk)**  
**Sergey Korolev (Moscow)**  
**Alexander Romanov (Novosibirsk)**  
**Dmitry Elesin (Novosibirsk)**  
**Vitaly Shabanov (Novosibirsk)**  
**Ivan Peregudov (Novosibirsk)**  
**Denis Losik (Novosibirsk)**

09.00–09.15 Catheter ablation of atrial fibrillation  
*Alexander Romanov (Novosibirsk)*

09.15–09.30 Thoracoscopic ablation of atrial fibrillation  
*Dmitry Elesin (Novosibirsk)*

09.30–09.45 Catheter ablation of ventricular arrhythmias  
*Vitaly Shabanov (Novosibirsk)*

09.45–10.00 Catheter ablation of tachyarrhythmias in patients with congenital heart disease  
*Vitaly Shabanov (Novosibirsk)*

10.00–10.15 Device implantation in patients with heart failure, risk of sudden cardiac death and risk of thromboembolic events  
*Ivan Peregudov (Novosibirsk)*  
*Denis Losik (Novosibirsk)*

10.15–10.45 Discussion

**10.45–11.00** **Break**

14.00–15.30	<b>SATELLITE SYMPOSIUM</b> <b>TREATMENT AND DIAGNOSIS OF COMPLEX SUPRAVENTRICULAR TACHYARRHYTHMIAS USING MODERN ABBOTT TECHNOLOGIES</b> <i>(sponsored by Abbott)</i>	16.00–17.30	<b>SETH WORLEY (USA) MASTER CLASS</b> <b>TIPS AND TRICKS FOR CRT DEVICE IMPLANTATION</b>
	<b>Chairs:</b> <b>Eduard Ivanitskiy (Krasnoyarsk)</b> <b>Ayan Abdrakhmanov (Kazakhstan)</b>		<b>Moderators:</b> <b>Sergey Gureev (St. Petersburg)</b> <b>Tamara Lyubimtseva (St. Petersburg)</b> <b>Sergey Krivolapov (Tomsk)</b>
14.00–14.15	3D approach to the ablation of supraventricular tachyarrhythmias <i>Ayan Abdrakhmanov (Kazakhstan)</i>	16.00–16.20	Implanting/upgrading a CRT device from the right side: it should not be difficult <i>Sergey Krivolapov (Tomsk)</i>
14.15–14.30	Optimized mapping and ablation of complex supraventricular tachyarrhythmias using modern Abbott technologies <i>Evgeny Kropotkin (Krasnoyarsk)</i>	16.20–16.40	Optimization of cardiac device implantation to reduce complications and time of the procedure <i>Sergey Krivolapov (Tomsk)</i>
14.30–14.45	An interventional specialist's perspective on the management of atrial fibrillation. Clinical case review of a patient with AF <i>Vitaly Lyashenko (Kaliningrad)</i>	16.40–17.00	Advanced techniques for CRT implantation: anchor balloon, orthodromic snare, antidromic snare and coronary vein venoplasty <i>Seth Worley (Washington, DC, USA)</i>
14.45–15.00	Atrial tachycardia: identifying the mechanism and substrate for ablation <i>Evgeny Lyan (Germany)</i>	17.00–17.20	Optimization of CRT devices after successful implantation <i>Tamara Lyubimtseva (St. Petersburg)</i>
15.00–15.15	Confirm Rx™ insertable cardiac monitor: new possibilities in the diagnosis of arrhythmias <i>Simon Beggs (Great Britain)</i>	17.20–17.30	Discussion
15.15–15.30	Discussion		
<b>15.30–16.00</b>	<b>Break</b>		

Time	1 <sup>st</sup> floor	2 <sup>nd</sup> floor			3 <sup>rd</sup> floor				2 <sup>nd</sup> floor	
	Moskovsky Congress Hall 1000 seats	Deyneca Hall 80 seats	Petrov-Vodkin Hall (1) 70 seats	Petrov-Vodkin Hall (2+3) 149 seats	Pudovkin Hall (1+2) 75 seats	Stenberg Hall (1) 73 seats	Stenberg Hall (2) 79 seats	Piemonte Hall (1) 140 seats	Piemonte Hall (2) 100 seats	Levinson Foyer Hall of e-poster presentations
REGISTRATION — 8:00 A.M. ONWARDS										
09.00–10.45	Symposium <i>Medical Treatment of Arrhythmias: What is New?</i> (simultaneous interpretation)	Symposium <i>Pacing World Series in Russia</i> (sponsored by Medtronic, online)	Symposium <i>Translational and Basic Arrhythmology</i> Session 1 (simultaneous interpretation)	Symposium 1 <i>COVID and Arrhythmias: a View From the Red Zone</i>	Rhythmia workshop session (sponsored by Cardiomedics/ Boston Scientific)	Panel discussion of the Russian Society of Arrhythmology on Implantable Device Programming and Remote Monitoring. Session of the Expert Committee	Symposium Joint session of EHRA Young Electrophysiologists and Young Arrhythmologists of the Russian Scientific Society of Clinical Electrophysiology, Arrhythmology and Cardiac Pacing <i>Diagnosis and Interventional Treatment of Atrial Fibrillation and Left Atrial Tachyarrhythmias</i> (simultaneous interpretation)	Symposium <i>Topical Issues of Pediatric Arrhythmology</i>  Session 1 <i>Paroxysmal States in Children</i>	Symposium <i>New Technologies in Surgical and Interventional Treatment of Cardiac Arrhythmias</i>  Session 1 <i>Paroxysmal States in Children</i>	Session of e-posters <i>New Advances in Cardiac Pacing</i>
10.45–11.00 Break										
11.00–13.00	Symposium <i>Arrhythmogenic Cardio(myo)pathies: Focus on the Atria</i> (simultaneous interpretation)	Symposium <i>Long-term Syncope Monitoring: The More You Observe, the More You See</i> (sponsored by Medtronic)	Symposium <i>Translational and Basic Arrhythmology</i> Session 2 (simultaneous interpretation)	Teleconference <i>Ask an Arrhythmologist</i>	Workshop session <i>Optimizer Programming and Check-Up</i> (sponsored by Cardiomedics / Boston Scientific)	Debate: <i>is Subcutaneous Implantable Cardioverter-Defibrillator (S-ICD) a First Choice Therapy?</i> (sponsored by Boston Scientific)	Joint session of the National Research League of Cardiogenetics and ESC Working Group on Myocardial and Pericardial Diseases <i>Achievements in Diagnosis and Treatment of Inherited Heart Diseases</i> (simultaneous interpretation)	Symposium <i>Topical Issues of Pediatric Arrhythmology</i>  Session 2 <i>Topical Issues of Interventional Pediatric Arrhythmology</i>	Symposium <i>New Technologies in Surgical and Interventional Treatment of Cardiac Arrhythmias</i> Session 2	Session of e-posters <i>Cardiac Resynchronization Therapy and Implantable Cardioverter-Defibrillators</i>
13.00–14.00 Break										

Time	1 <sup>st</sup> floor	2 <sup>nd</sup> floor			3 <sup>rd</sup> floor					2 <sup>nd</sup> floor
	Moskovsky Congress Hall 1000 seats	Deyneca Hall 80 seats	Petrov-Vodkin Hall (1) 70 seats	Petrov-Vodkin Hall (2+3) 149 seats	Pudovkin Hall (1+2) 75 seats	Stenberg Hall (1) 73 seats	Stenberg Hall (2) 79 seats	Piemonte Hall (1) 140 seats	Piemonte Hall (2) 100 seats	Levinson Foyer Hall of e-poster presentations
14.00–15.30	Symposium <i>Ventricular Tachycardias in Structural Heart Diseases: Integrated Solutions of Complex Problems</i> (simultaneous interpretation)	Symposium <i>CRYO Club</i> (sponsored by Medtronic)	Symposium <i>Translational and Basic Arrhythmology</i>  Session 3 <i>V.S. Markhasin Memorial Session</i> (simultaneous interpretation)	Panel discussion <i>Personalized Arrhythmology: Myth or Reality?</i>	Workshop session Pacemakers <i>Programming. Automatic Threshold Tracking Algorithms. Lead EGMs Analysis</i> (sponsored by Cardiomedics / Boston Scientific)	Satellite symposium <i>Rhythmia Cardiac Mapping System — Individual Approach to Any Type of Tachyarrhythmias</i> (sponsored by Cardiomedics / Boston Scientific)	Symposium <i>Early Detection, Screening and Monitoring of Atrial Fibrillation</i> (simultaneous interpretation)	Symposium <i>Topical Issues of Pediatric Arrhythmology</i>  Session 3 <i>Topical Issues of Pediatric Cardiology and Arrhythmology</i>	Symposium <i>Young Arrhythmologists Rare Clinical Settings in Arrhythmology Symposium 1</i>	Session of e-posters <i>Catheter Ablation for Atrial Fibrillation</i>
15.30–16.00 Break										
16.00–17.30	Symposium <i>New Approaches to Treatment of Atrial Fibrillation and Ventricular Tachycardias</i> (simultaneous interpretation)	Panel discussion. <i>Atrial Fibrillation and Stroke. Combining Two Disciplines: Cardiology and Neurology</i> (sponsored by Medtronic)	Symposium <i>Translational and Basic Arrhythmology</i>  Session 4 (simultaneous interpretation)	Symposium <i>Life-Threatening Arrhythmia Risk Stratification and Disease Progression Prognosis in Genotype-Positive Phenotype-Negative Patients</i> (sponsored by the International Society of Holter and Noninvasive Electrocardiology, ISHNE)	Workshop session on subcutaneous ICD <i>ECG Screening and Outpatient Check-Up</i> (sponsored by Cardiomedics/ Boston Scientific)	Symposium <i>The Chronicle of St. Petersburg Arrhythmology</i>	<i>The Legend of Experimental Cardiac Electrophysiology Leonid V. Rosenshtraukh</i> (simultaneous interpretation)	Symposium <i>Topical Issues of Pediatric Arrhythmology</i>  Session 4 <i>Q&amp;A Symposium: Difficulties of ECG Interpretation in Children. Electrophysiological Patterns or Abnormality?</i>	Symposium <i>Rare Clinical Settings in Arrhythmology. Symposium 2</i>	Session of e-posters <i>New Advances in Diagnosis and Treatment of Atrial Fibrillation and Associated Conditions</i>

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**MOSKOVSKY CONGRESS HALL**


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**09.00–10.45 SYMPOSIUM**  
**MEDICAL TREATMENT OF ARRHYTHMIAS: WHAT IS NEW?**  
 (simultaneous interpretation)
**Chairs:****Sergey Kanorsky (Krasnodar)****Boris Tatarsky (St. Petersburg)****Yuri Shubik (St. Petersburg)**09.00–09.20 Antiarrhythmic drugs in Russia and their use: what's new?  
*Sergey Kanorsky (Krasnodar)*09.20–09.40 Antiarrhythmic drugs outside of the classification  
*Boris Tatarsky (St. Petersburg)*09.40–10.00 Pharmacotherapy of arrhythmias in 2020 Russian guidelines on the treatment of atrial fibrillation, supraventricular tachycardia and ventricular arrhythmias  
*Yuri Shubik (St. Petersburg)*10.00–10.20 Antiarrhythmic therapy after ablation of atrial fibrillation  
*Emmanuel Koutalas (Crete, Greece)*

10.20–10.45 Discussion

**10.45–11.00 Break**
**11.00–13.00 SYMPOSIUM**  
**ARRHYTHMOGENIC CARDIO(MYO)PATHIES:**  
**FOCUS ON THE ATRIA**  
 (simultaneous interpretation)
**Chairs:****Sergey Yashin (St. Petersburg)****Roman Batalov (Tomsk)****Karapet Davtyan (Moscow)**11.00–11.15 Atrial fibrillation and heart failure: what comes first?  
*Eli Ovsyshcher (Israel)*11.15–11.30 Atrial myopathy and atrial fibrillation  
*Sergey Yashin (St. Petersburg)*11.30–11.45 Atrial cardiomyopathy as a risk factor for stroke in the absence of atrial fibrillation  
*Boris Tatarsky (St. Petersburg)*11.45–12.00 Right-left atrial isolation for patients with atrial fibrillation and advanced atrial myopathy  
*Yan Huo (Dresden, Germany)*12.00–12.15 The association between atrial anatomy and clinical outcomes: past, present and future  
*Sotiris Nedios (Leipzig, Germany)*12.15–12.30 Tachycardia induced cardiomyopathy — Is there a greater problem than we imagined?  
*Brian Olshansky (Iowa, USA)*

12.30–12.45 Discussion

**13.00–14.00 Break**
**14.00–15.30 SYMPOSIUM**  
**VENTRICULAR TACHYCARDIAS IN STRUCTURAL**  
**HEART DISEASES: INTEGRATED SOLUTIONS**  
**OF COMPLEX PROBLEMS**  
 (simultaneous interpretation)
**Chairs:****Farkhad Rzaev (Moscow)****Evgeny Mikhailov (St. Petersburg)****Grigory Gromyko (Moscow)**14.00–14.15 Neuromodulation in heart failure and life-threatening ventricular arrhythmia  
*Marat Fudim (Dhuram, North Carolina, USA)*14.15–14.30 Catheter ablation of VT substrate  
*Krzysztof Myrda (Zabrze, Poland)*14.30–14.45 When we do not need to ablate ventricular tachycardia in patients with coronary artery disease  
*Roman Tatarsky (St. Petersburg)*

14.45–15.00	ARVS pathogenesis and treatment: role of catheter ablation <i>Ardan Saguner (Zurich, Switzerland)</i>
15.00–15.15	Renal denervation for treatment of electrical storm <i>Farkhad Rzaev (Moscow)</i>
15.15–15.30	Epicardial ablation of ventricular arrhythmias: nothing is above <i>Arash Arya (Leipzig, Germany)</i>
<b>15.30–16.00</b>	<b>Break</b>
<b>16.00–17.30</b>	<b>SYMPOSIUM</b> <b>NEW APPROACHES TO TREATMENT OF ATRIAL FIBRILLATION AND VENTRICULAR TACHYCARDIAS</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Sergey Popov (Tomsk)</b> <b>Evgeny Mikhailov (St. Petersburg)</b> <b>Alexander Chapurnykh (Moscow)</b>
16.00–16.15	The new generation of antiarrhythmic therapy, increasing role of ion channels for arrhythmia treatment <i>Samuel Dudley (Minneapolis, USA)</i>
16.15–16.30	Diagnostic and ablation approaches for unstable unmappable atrial and ventricular arrhythmias <i>Tamas Szili-Torok (Rotterdam, Netherlands)</i>
16.30–16.45	Electroporation — uprise of the technology, which will change treatment of arrhythmias <i>Alexander Oferkin (Tomsk)</i>
16.45–17.00	Optimizing high-power short-duration radiofrequency ablation of atrial fibrillation <i>Jedrzej Kosiuk (Leipzig, Germany)</i>
17.00–17.20	Laser ablation — from experiment to hospital <i>Evgeny Mikhailov (St. Petersburg)</i>
17.20–17.30	Discussion

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**DEYNECA HALL**


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**09.00–10.45**      **SYMPOSIUM**  
**PACING WORLD SERIES IN RUSSIA**  
(sponsored by Medtronic, online)

**Moderators:**  
**Laszlo Geller (Budapest, Hungary)**  
**Goran Milasinovic (Serbia)**  
**Yanis Dumpis (St. Petersburg)**

**Chairs:**  
**Sergey Gureev (St. Petersburg)**  
**Sergey Korolev (Moscow)**  
**Sergey Krivolapov (Tomsk)**

09.00–09.10	Introduction. Opening of the panel discussion
09.10–09.20	Clinical case 1 <i>Anton Omelyanenko (Kazan)</i>
09.20–09.25	Discussion
09.25–09.35	Clinical case 2 <i>Vladimir Scherbenev (Perm)</i>
09.35–09.40	Discussion
09.40–09:50	Clinical case 3 <i>Kirill Bakovsky (Kemerovo)</i>
09:50–09.55	Discussion
09.55–10.05	Clinical case 4 <i>Elena Sorokina (Omsk)</i>
10.05–10.10	Discussion
10.10–10.20	Clinical case 5 <i>Artyom Dmitriev (Krasnoyarsk)</i>
10.20–10.25	Discussion
10.25–10.35	Clinical case 6 <i>Mikhail Kurilin (Novokuznetsk)</i>
10.35–10.40	Discussion
10.40–10.45	Closing remarks

**10.45–11.00**      **Break**

<b>11.00–13.00</b>	<b>SYMPOSIUM</b> <b>LONG-TERM SYNCOPE MONITORING:</b> <b>THE MORE YOU OBSERVE, THE MORE YOU SEE</b> (sponsored by Medtronic)
	<b>Chairs:</b> <b>Alexander Pevzner (Moscow)</b> <b>Maria Shkolnikova (Moscow)</b>
11.00–11.25	Long-term ECG monitoring in evaluation of patients with syncope <i>Alexander Pevzner (Moscow)</i>
11.25–11.30	Discussion / Q & A
11.30–11.55	Treatment of syncope with asystole <i>Elena Kuchinskaya (Moscow)</i>
11.55–12.00	Discussion / Q & A
12.00–12.25	Syncope differential diagnosis in patients with long QT syndrome <i>Maria Kharlap (Moscow)</i>
12.25–12.30	Discussion / Q & A
12.30–12:50	Long-term monitoring of syncope with implantable cardiac monitor. Practical approach <i>Yuri Virstyuk (Moscow)</i>
12:50–13.00	Discussion / Q & A
<b>13.00–14.00</b>	<b>Break</b>
<b>14.00–15.30</b>	<b>SYMPOSIUM CRYO CLUB</b> (sponsored by Medtronic)
	<b>Chairs:</b> <b>Farkhad Rzaev (Moscow)</b> <b>Karapet Davtyan (Moscow)</b> <b>Eduard Ivanitsky (Krasnoyarsk)</b> <b>Elena Artyukhina (Moscow)</b>
14.00–14.15	Cryoablation in persistent AF treatment <i>Farkhad Rzaev (Moscow)</i>

14.15–14.30	Cryo as first choice therapy for AF treatment <i>Alexander Romanov (Novosibirsk)</i>
14.30–14.45	Fluoroscopy-free cryoablation <i>Eduard Ivanitsky (Krasnoyarsk)</i>
14.45–15.00	Certain safety aspects of cryoblation procedure <i>Ilya Sorokin (Nizhny Novgorod)</i>
15.00–15.15	Different technologies for AF treatment (cryo, RFA, thoracoscopy) <i>Dmitry Cherkashin (Moscow)</i>
15.15–15.30	Discussion

**15.30 — 16.00 Break**

**16.00–17.30** **PANEL DISCUSSION.**  
**ATRIAL FIBRILLATION AND STROKE.**  
**COMBINING TWO DISCIPLINES: CARDIOLOGY**  
**AND NEUROLOGY**  
(sponsored by Medtronic)

**Chairs:**  
**Evgeny Shlyakhto (St. Petersburg)**  
**Igor Voznyuk (St. Petersburg)**

16.00–16.20	Healthcare organization for patients requiring long-term heart rhythm monitoring. From guidelines to clinical-statistical health insurance groups <i>Alexey Yakovlev (St. Petersburg)</i>
16.20–16.40	Patients with cryptogenic stroke. Can we identify the cause? <i>Yulia Bogatenkova (St. Petersburg)</i>
16.40–17.00	Results of the study on long-term heart rhythm monitoring in cryptogenic stroke patients <i>Tamara Lyubimtseva (St. Petersburg)</i>
17.00–17.20	How to “catch” recurrent atrial fibrillation after pulmonary vein isolation? <i>Karapet Davtyan (Moscow)</i>
17.20–17.30	Discussion and resolution



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**PETROV-VODKIN HALL (1)**


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<b>9.00–10.45</b>	<b>SYMPOSIUM TRANSLATIONAL AND BASIC ARRHYTHMOLOGY. SESSION 1</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Alexander Panfilov (Belgium)</b> <b>Igor Efimov (USA)</b>
09.00–09.20	Mechanisms of primary electrical disorders: novel insights from human hearts <i>Olivier Bernus (Bordeaux, France)</i>
09.20–09.40	Future of artificial intelligence in arrhythmology <i>Dmitry Dyllov (Moscow)</i>
09.40–10.00	Patient-specific models of ventricular and atrial myocytes <i>Roman Syunyaev (Moscow)</i>
10.00–10.20	Triggers of Torsade de Pointes <i>Alexander Panfilov (Belgium)</i>
10.20–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>
<b>11.00–13.00</b>	<b>SYMPOSIUM TRANSLATIONAL AND BASIC ARRHYTHMOLOGY. SESSION 2</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Grigory Osipov (Nizhny Novgorod)</b> <b>Philipp Kopylov (Moscow)</b>
11.00–11.20	Real-time remote ECG recording in patients with cardiac arrhythmias <i>Alexander Nikolsky (Nizhny Novgorod)</i> <i>Konstantin Kosonogov (Nizhny Novgorod)</i> <i>Victor Moskalenko (Nizhny Novgorod)</i> <i>Vladislav Kuznetsov (Nizhny Novgorod)</i> <i>Georgy Osipov (Nizhny Novgorod)</i> <i>Dmitry Garanov (Nizhny Novgorod)</i>

11.20–11:50	Optoelectronic cardiac rhythm control <i>Daniel Pijnappels (Leiden, Netherlands)</i>
11:50–12.20	Light-controlled initiation of wavebreaks in cardiac tissue <i>Majumder Rupamanjari (Göttingen, Germany)</i>
12.20–12.45	Formation of electrical connections between differentiating cardiomyocytes <i>Mikhail Slotvitskiy (Moscow)</i> <i>Valeria Tsvelaya (Moscow)</i> <i>Alisa Podgurskaya (Moscow)</i> <i>Konstantin Agladze (Moscow)</i>
12.45–13.00	Discussion
<b>13.00–14.00</b>	<b>Break</b>
<b>14.00–15.30</b>	<b>SYMPOSIUM TRANSLATIONAL AND BASIC ARRHYTHMOLOGY. SESSION 3. V.S. MARKHASIN MEMORIAL SESSION</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Olga Solovyova (Ekaterinburg)</b> <b>Daniel Pijnappels (Leiden, Netherlands)</b>
14.00–14.20	Vladimir Markhasin and his contribution to the theory of heart heterogeneity <i>Olga Solovyova (Ekaterinburg)</i>
14.20–14.40	Functional imaging of nanodomains in cardiomyocytes <i>Yulia Gorelik (London, Great Britain)</i>
14.40–14.55	Cardiomyocyte functional heterogeneity in health and disease <i>Anastasia Khokhlova (Ekaterinburg)</i>
14.55–15.10	The role of mechano-electro-chemical signal transduction in pathophysiology of atrial fibrillation: From cardiomyocyte nanodomains to patients <i>Alexey Glukhov (Madison, USA)</i>

15.10–15.25 Mechanistic concept of AF triggers. The role of vagal tone  
*Arkady Pertsov (Syracuse, NY, USA)*

15.25–15.30 Discussion

**15.30–16.00 Break**

**16.00–17.30 SYMPOSIUM**  
**TRANSLATIONAL AND BASIC ARRHYTHMOLOGY.**  
**SESSION 4**  
(simultaneous interpretation)

**Chairs:**

**Konstantin Agladze (Moscow)**

**Yulia Gorelik (London, Great Britain)**

16.00–16.20 Creating personalized CT/MRI-based electrophysiological models  
*Alexander Danilov (Moscow)*  
*Alexey Chernyshenko (Moscow)*  
*Yuri Vasilevsky (Moscow)*

16.20–16.40 Mathematical modeling to evaluate cardiac resynchronization therapy efficacy  
*Olga Solovyova (Ekaterinburg)*

16.40–17.00 Bioresorbable and neuromorphic implantable devices for the treatment of arrhythmias  
*Igor Efimov (USA)*

17.00–17.20 Machine learning for Holter ECG monitoring extrasystole detection  
*Victor Moskalenko (Nizhny Novgorod)*  
*Vladislav Kuznetsov (Nizhny Novgorod)*  
*Alexander Nikolsky (Nizhny Novgorod)*  
*Georgy Osipov (Nizhny Novgorod)*  
*Dmitry Garanov (Nizhny Novgorod)*  
*Nikolay Zolotykh (Nizhny Novgorod)*

17.20–17.30 Discussion

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**PETROV-VODKIN HALL (2+3)**

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**09.00–10.45 SYMPOSIUM**  
**COVID AND ARRHYTHMIAS: A VIEW FROM THE RED ZONE**  
**SYMPOSIUM 1**

**Chairs:**

**Elena Baranova (St. Petersburg)**

**Svetlana Garkina (St. Petersburg)**

**Marina Yakovleva (Moscow)**

09.00–09.20 AF and COVID-19: how to avoid thromboembolic complications? (sponsored by Boehringer Ingelheim)  
*Elena Baranova (St. Petersburg)*

09.20–09.35 Bradyarrhythmias in COVID-19 patients  
*Svetlana Garkina (St. Petersburg)*

09.35–09:50 Post-COVID myocarditis and AF — what we can do today  
*Marina Yakovleva (Moscow)*

09:50–10.05 Tele-cardiac monitoring technologies efficacy in the COVID-19 pandemic realities  
*Konstantin Kosonogov (Nizhny Novgorod)*  
*Alexander Nikolsky (Nizhny Novgorod)*  
*Victor Moskalenko (Nizhny Novgorod)*  
*Nelya Kvachadze (Nizhny Novgorod)*  
*Georgy Osipov (Nizhny Novgorod)*  
*Nikolay Zolotykh (Nizhny Novgorod)*

10.05–10.20 Echocardiographic assessment of right ventricular function in patients with COVID-19. Impact on prognosis  
*Sergey Verbilo (St. Petersburg)*  
*Ilya Potapov (St. Petersburg)*  
*Dmitry Ovchinnikov (St. Petersburg)*

10.20–10.35 Rehabilitation of patients after a new coronavirus infection (COVID-19) in a country center for rehabilitation  
*Olga Misyura (St. Petersburg)*  
*Irina Zobenko (St. Petersburg)*  
*Alexander Karpukhin (St. Petersburg)*  
*Irina Chudnovtseva (St. Petersburg)*  
*Irina Shugurova (St. Petersburg)*  
*Anna Pavlenko (St. Petersburg)*  
*Alexandra Semenova (St. Petersburg)*  
*Anna Kalinina (St. Petersburg)*  
*Svetlana Garkina (St. Petersburg)*  
*Elena Demchenko (St. Petersburg)*

10.35–10.45 Discussion

**10.45–11.00 Break**

**11.00–13.00 TELECONFERENCE  
 ASK AN ARRHYTHMOLOGIST**

**Experts:**

**Elena Artyukhina (Moscow)**  
**Roman Batalov (Tomsk)**  
**Alexander Vygovsky (Kaliningrad)**  
**Sergey Golitsyn (Moscow)**  
**Sergey Gureev (St. Petersburg)**  
**Dmitry Duplyakov (Samara)**  
**Sergey Kanorski (Krasnodar)**  
**Olga Miller (Novosibirsk)**  
**Vitaly Shabanov (Novosibirsk)**  
**Yuri Shubik (St. Petersburg)**

**Moderator:**

**Svetlana Garkina (St. Petersburg)**

This teleconference will feature online session bringing together interventional arrhythmologists, cardiologists, physicians and arrhythmology experts. Q&A topics: medical care for patients with rhythm and conduction disorders, controversies of diagnosis, medical treatment, indications for radiofrequency ablation, implantable devices and remote monitoring, follow-up after endovascular and surgical procedures.

**13.00–14.00 Break**

**14.00–15.30 PANEL DISCUSSION  
 PERSONALIZED ARRHYTHMOLOGY:  
 MYTH OR REALITY?**

**Chairs:**

**Amiran Revishvili (Moscow)**  
**Yuri Shubik (St. Petersburg)**  
**Olga Solovyova (Ekaterinburg)**  
**Dmitry Lebedev (St. Petersburg)**

14.00–14.15 Genetic testing for everyone! Do we need it and is it feasible?  
*Anna Kostareva (St. Petersburg)*

14.15–14.30 Can we manage a patient based on mathematical model?  
*Olga Solovyova (Ekaterinburg)*

14.30–14.45 Personalized interventional AF treatment? Does it work?  
*Alexander Chapurnykh (Moscow)*

14.45–15.00 Can we affect arrhythmia substrate?  
*Evgeny Mikhailov (St. Petersburg)*

15.00–15.10 Personalized antiarrhythmic therapy. 21st century: the era of evidence-based medicine  
*Yuri Shubik (St. Petersburg)*

15.10–15.20 Do we have ideal personal monitoring tools today?  
*Victor Tikhonenko (St. Petersburg)*

15.20–15.30 Discussion

**15.30–16.00 Break**

**16.00–17.30**      **SYMPOSIUM**  
***LIFE-THREATENING ARRHYTHMIA RISK STRATIFICATION  
AND DISEASE PROGRESSION PROGNOSIS  
IN GENOTYPE-POSITIVE PHENOTYPE-NEGATIVE PATIENTS***  
(sponsored by the International Society of Holter  
and Noninvasive Electrocardiology, ISHNE)

**Chairs:**

**Pyotr Platonov\*** (Lund, Sweden)  
**Elena Zaklyazminskaya\*** (Moscow)  
**Anna Kostareva** (St. Petersburg)

16.00–16.20      Hypertrophic cardiomyopathy: risk stratification and principles  
of management of genotype-positive phenotype-negative family  
members  
*Anna Kostareva (St. Petersburg)*

16.20–16.40      Arrhythmogenic cardiomyopathy: disease progression risk  
stratification and consultation of family members  
*Pyotr Platonov\* (Lund, Sweden)*

16.40–17.00      Digital phenotype in patients with inherited cardiac  
channelopathies  
*Maria Shkolnikova (Moscow)*

17.00–17.20      Factors of dilated cardiomyopathy and progression  
*Elena Zaklyazminskaya (Moscow)*

17.20–17.30      Discussion

\* — ISHNE Board members

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**PUDOVKIN HALL (1+2)**


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**9.00–10.30**      **RHYTHMIA WORKSHOP SESSION**  
(sponsored by Cardiomedics/Boston Scientific)

**Moderators:**

**Anton Sergeev** (Moscow)  
**Dmitry Kosyrev** (Moscow)

**10.30–11.00**      **Break**

**11.00–13.00**      **WORKSHOP SESSION**  
***OPTIMIZER PROGRAMMING AND CHECK-UP***  
(sponsored by Cardiomedics/Boston Scientific)

**Moderator:**

**Anna Sviridova** (Moscow)

**13.00–14.00**      **Break**

**14.00–15.30**      **WORKSHOP SESSION**  
***PACEMAKERS PROGRAMMING. AUTOMATIC THRESHOLD  
TRACKING ALGORITHMS. LEAD EGMS ANALYSIS***  
(sponsored by Cardiomedics/Boston Scientific)

**Moderator:**

**Olga Kostyleva** (Moscow)

**15.30–16.00**      **Break**

**16.00–17.30**     **WORKSHOP SESSION ON SUBCUTANEOUS ICD  
ECG SCREENING AND OUTPATIENT CHECK-UP**  
(sponsored by Cardiomedics/Boston Scientific)

**Moderator:**  
**Anna Sviridova (Moscow)**  
**Roman Fokin (Moscow)**

09.40–10.00     Medical documents and record registration, follow-up protocol depending on the type of implanted device  
*Tamara Lyubimtseva (St. Petersburg)*

10.00–10.20     MRI-compatible devices, project of the MRI guidelines for patients with implantable devices  
*Alexander Spiridonov (Moscow)*

10.20–10.45     Discussion

**10.45–11.00**     **Break**

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**STENBERG HALL (1)**

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**9.00–10.45**     **PANEL DISCUSSION OF THE RUSSIAN SOCIETY  
OF ARRHYTHMOLOGY ON IMPLANTABLE DEVICE  
PROGRAMMING AND REMOTE MONITORING.  
SESSION OF THE EXPERT COMMITTEE**

**Chairs:**  
**Victoria Lebedeva (St. Petersburg)**  
**Nikoloz Lomidze (Moscow)**

**Experts:**  
**Olga Kostyleva (Moscow)**  
**Nikolay Neminuschy (Moscow)**  
**Ekaterina Pervova (Moscow)**  
**Anna Sviridova (Moscow)**  
**Alexander Spiridonov (Moscow)**  
**Tamara Lyubimtseva (St. Petersburg)**  
**Ildar Khasanov (Erlangen, Germany)**  
**Sergey Krivolapov (Tomsk)**

09.00–09.20     Programming of implantable devices in clinical practice: protocol, nomenclature  
*Victoria Lebedeva (St. Petersburg)*

09.20–09.40     Healthcare standards in different cardiovascular diseases requiring cardiac device implantation  
*Nikolay Neminuschy (Moscow)*

**11.00–13.00**     **DEBATE: IS SUBCUTANEOUS IMPLANTABLE  
CARDIOVERTER-DEFIBRILLATOR (S-ICD)  
A FIRST CHOICE THERAPY?**  
(sponsored by Boston Scientific)

**Chairs:**  
**Dmitry Lebedev (St. Petersburg)**  
**Eduard Ivanitsky (Krasnoyarsk)**

11.00–11.20     Protagonist: S-ICD pros.  
*Karapet Davtyan (Moscow)*

11.20–11.40     Antagonist: s-ICD contras  
*Evgeny Mikhailov (St. Petersburg)*

11.40–11.55     Response  
*Karapet Davtyan (Moscow)*

11.55–12.15     Response  
*Evgeny Mikhailov (St. Petersburg)*

12.15–13.00     Summary and conclusions

**13.00–14.00**     **Break**

**14.00–15.30**     **SATELLITE SYMPOSIUM**  
**RHYTHMIA CARDIAC MAPPING SYSTEM — INDIVIDUAL**  
**APPROACH TO ANY TYPE OF TACHYARRHYTHMIAS**  
(sponsored by Cardiomedics / Boston Scientific)

**Chairs:****Elena Artyukhina (Moscow)****Vyacheslav Bazaev (Moscow)****Roman Tatarsky (St. Petersburg)**

14.00–14.15     Local impedance as a criterion for stable pulmonary vein isolation in atrial fibrillation. LOCALIZE study overview  
*Oleg Sapelnikov (Moscow)*

14.15–14.30     Ultra high-density mapping for fibrosis evaluation in patients with atrial fibrillation  
*Elena Artyukhina (Moscow)*

14.30–14.45     Ventricular tachycardia catheter ablation using Rhythmia for high-density mapping  
*Roman Tatarsky (St. Petersburg)*

14.45–15.00     High-density mapping treatment results in different types of tachycardias  
*Vitaly Shabanov (Novosibirsk)*

15.00–15.15     High-density mapping in AF redo procedures  
*Karapet Davtyan (Moscow)*

15.15–15.30     Discussion

**15.30–16.00**     **Break**

**16.00–17.30**     **SYMPOSIUM**  
**THE CHRONICLE OF ST. PETERSBURG**  
**ARRHYTHMOLOGY**

**Chairs:****Amiran Revishvili (Moscow)****Sergey Popov (Tomsk)****Dmitry Egorov (St. Petersburg)****Yuri Grishkin (St. Petersburg)****Dmitry Lebedev (St. Petersburg)**

16.00–16.15     Antiarrhythmic center in St. Petersburg. Stages of a big journey.  
Max S. Kushakovskiy  
*Sergey Sayganov (St. Petersburg)*

16.15–16.25     Pavlov First Leningrad Medical University surgery department — the origins of surgical and interventional arrhythmology  
*Alexander Nemkov (St. Petersburg)*

16.25–16.35     From G.F. Lang era to nowadays  
*Svetlana Boldueva (St. Petersburg)*

16.35–16.45     Research institute of Cardiology. How did everything start?  
*Yuri Shubik (St. Petersburg)*

16.45–16.55     Cardiostim — 30 years of history  
*Dmitry Egorov (St. Petersburg)*

16.55–17.05     From Leningrad to St. Petersburg: the school of clinical electrophysiology  
*Sergey Yashin (St. Petersburg)*

17.05–17.15     Arrhythmology health service in St. Petersburg — current realities  
*Tatyana Novikova (St. Petersburg)*

17.15–17.30     Discussion

## STENBERG HALL (2)

<b>9.00–10.45</b>	<b>JOINT SESSION OF EHRA YOUNG ELECTROPHYSIOLOGISTS AND YOUNG ARRHYTHMOLOGISTS OF THE RUSSIAN SCIENTIFIC SOCIETY OF CLINICAL ELECTROPHYSIOLOGY, ARRHYTHMOLOGY AND CARDIAC PACING DIAGNOSIS AND INTERVENTIONAL TREATMENT OF ATRIAL FIBRILLATION AND LEFT ATRIAL TACHYARRHYTHMIAS</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Jedrzej Kosiuk (Leipzig, Germany)</b> <b>Evgeny Mikhailov (St. Petersburg)</b>
09.00–09.20	Zero-fluoro atrial fibrillation ablation: how to achieve safety of the procedure <i>Bor Antolic (Ljubljana, Slovenia)</i>
09.20–09.40	Extra-pulmonary vein substrate cryoablation in atrial fibrillation <i>Maxim Gorev (Moscow)</i>
09.40–10.00	Perioperative anticoagulation in left-sided electrophysiological interventions: questions not only to atrial fibrillation <i>Martina Nesti (Arezzo, Italy)</i>
10.00–10.20	AF screening and diagnosis approaches: wearable and implantable devices <i>Svetlana Garkina (St. Petersburg)</i>
10.20–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>

<b>11.00–13.00</b>	<b>JOINT SESSION OF THE NATIONAL RESEARCH LEAGUE OF CARDIOGENETICS AND ESC WORKING GROUP ON MYOCARDIAL AND PERICARDIAL DISEASES ACHIEVEMENTS IN DIAGNOSIS AND TREATMENT OF INHERITED HEART DISEASES</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Antonis Pantazis (London, Great Britain)</b> <b>William McKenna (La Coruna, Spain)</b> <b>Dmitry Zateischikov (Moscow)</b>
11.00–11.20	Hypertrophic cardiomyopathy: are we standing on the verge of disease-modifying treatment? <i>Antonis Pantazis (London, Great Britain)</i>
11.20–11.40	Sudden cardiac death genetics <i>William McKenna (La Coruna, Spain)</i>
11.40–12.00	Hypertrophic cardiomyopathy. Dangerous mutations: what do we need to know <i>Natalya Sonicheva-Paterson (La Coruna, Spain)</i>
12.00–12.20	Can cardiac resynchronization therapy manage noncompaction LV cardiomyopathy? <i>Roman Myasnikov (Moscow)</i> <i>Maria Kharlap (Moscow)</i>
12.20–13.00	Discussion
<b>13.00–14.00</b>	<b>Break</b>
<b>14.00–15.30</b>	<b>SYMPOSIUM EARLY DETECTION, SCREENING AND MONITORING OF ATRIAL FIBRILLATION</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Gregory Golovchiner (Petah-Tikva, Israel)</b> <b>Victoria Lebedeva (St. Petersburg)</b>
14.00–14.15	Should we screen for atrial fibrillation? <i>Svetlana Garkina (St. Petersburg)</i>



- 14.15–14.30 Subclinical AF. What have we learned till now?  
*Michael Orlov (Boston, USA)*
- 14.30–14.45 Screening of AF. From pulse to watch and phone  
*Gregory Golovchiner (Petah-Tikva, Israel)*
- 14.45–15.00 Anticoagulants treatment based on AF monitoring, what does evidence show?  
*Alon Barshesht (Petah-Tikva, Israel)*
- 15.00–15.15 Role of cardiac rhythm monitoring in AF management  
*Victoria Lebedeva (St. Petersburg)*
- 15.15–15.30 Discussion

**15.30–16.00 Break**

**16.00–17.30 THE LEGEND OF EXPERIMENTAL CARDIAC ELECTROPHYSIOLOGY LEONID V. ROSENHTRAUKH (simultaneous interpretation)**

**Chairs:**

**Sergey Golitsyn (Moscow)**

**Evgeny Maykov (Moscow)**

**Alexander Panfilov (Belgium)**

- 16.00–16.15 Leo's Cardiac Electrophysiology Translational Lab: From microelectrode recordings from frog atria to 3D Optical Mapping of the human heart for efficient AF therapy  
*Vadim Fedorov (Columbus, USA)*
- 16.15–16.30 Efficacy of Class III drug (Refralon) in pharmacological conversion of persistent AF  
*Evgeny Maykov (Moscow)*
- 16.30–16.45 Frogs and Dogs: Understanding the sinoatrial node and atrial fibrillation triggers. What Leo taught us  
*Michael Rosen (New York, USA)*
- 16.45–17.00 Frogs and Dogs: Understanding the sinoatrial node and atrial fibrillation triggers. What Leo taught us  
*Richard Schuessler (Saint Louis, USA)*

- 17.00–17.15 Overview of data science and machine learning applications in cardiac arrhythmia research  
*Maxim Fedorov (Moscow)*
- 17.15–17.25 Leo's last years: Mechano-electrical feedback: insight into the mechanism of pulmonary vein arrhythmogenesis  
*Alexey Glukhov (Madison, USA)*
- 17.25–17.30 Discussion

## PIEMONTE HALL (1)

**9.00–10.45 SYMPOSIUM  
TOPICAL ISSUES OF PEDIATRIC ARRHYTHMOLOGY  
SESSION 1. PAROXYSMAL STATES IN CHILDREN**

**Chairs:**

**Tatiana Pervunina (St. Petersburg)**

**Tatiana Kruchina (St. Petersburg)**

**Igor Kovalev (Moscow)**

- 09.00–09.20 Respiratory events during sleep in infants  
*Natalia Petrova (St. Petersburg)*
- 09.20–09.40 Affective-respiratory paroxysms in children. Role of triggering psycho-emotional factors in the risk of cardiac asystole  
*Elena Kolbasova (Nizhny Novgorod)*
- 09.40–10.00 Syncope in children with epilepsy  
*Tatiana Trofimova (Moscow)*  
*Ekaterina Polyakova (Moscow)*
- 10.00–10.15 Sudden infant death syndrome and channelopathies  
*Natalia Korableva (Syktyvkar)*
- 10.15–10.30 Clinical experience with propafenone for supraventricular and ventricular arrhythmias in children  
*Tatiana Kruchina (St. Petersburg)*  
*Tatiana Kovalchuk (St. Petersburg)*  
*Elena Vasichkina (St. Petersburg)*
- 10.30–10.45 Discussion
- 10.45–11.00 Break**

<b>11.00–13.00</b>	<b>SYMPOSIUM</b> <b>TOPICAL ISSUES OF PEDIATRIC ARRHYTHMOLOGY</b> <b>SESSION 2. TOPICAL ISSUES OF INTERVENTIONAL PEDIATRIC ARRHYTHMOLOGY</b>	14.25–14.45	SCD in congenital heart disease <i>Igor Kovalev (Moscow)</i>
	<b>Chairs:</b> <b>Roman Tatarsky (St. Petersburg)</b> <b>Sergey Termosesov (Moscow)</b> <b>Maxim Kandinsky (Krasnodar)</b>	14.45–15.05	Improving prognosis in hypertrophic cardiomyopathy <i>Irina Leontyeva (Moscow)</i>
11.00–11.20	Catheter ablation in pediatric patients <i>Roman Tatarsky (St. Petersburg)</i>	15.05–15.20	Efficacy and long-term results of radiofrequency ablation in preschool children <i>Lilia Svintsova (Tomsk)</i> <i>Olga Dzhaffarova (Tomsk)</i> <i>Irina Plotnikova (Tomsk)</i> <i>Sergey Krivolapov (Tomsk)</i>
11.20–11:50	Robotics in the treatment of tachyarrhythmias in children <i>Alexander Romanov (Novosibirsk)</i>	15.20–15.30	The mysterious phenomenon of Non-Compact Cardiomyopathy in children <i>Yulia Lukyanchik (Tyumen)</i> <i>Tatiana Chernysheva (Tyumen)</i> <i>Lyudmila Gapon (Tyumen)</i> <i>Olga Khait (Tyumen)</i> <i>Valentina Soloboeva (Tyumen)</i>
11:50–12.10	Complex issues of catheter ablation in children <i>Maxim Kandinsky (Krasnodar)</i>	<b>15.30–16.00</b>	<b>Break</b>
12.10–12.30	Biochemical markers of myocardial damage after catheter ablation in children and adolescents <i>Olga Seyfried (St. Petersburg)</i> <i>Roman Tatarsky (St. Petersburg)</i>	<b>16.00–17.30</b>	<b>SYMPOSIUM</b> <b>TOPICAL ISSUES OF PEDIATRIC ARRHYTHMOLOGY</b> <b>SESSION 4. Q &amp; A SYMPOSIUM: DIFFICULTIES OF ECG INTERPRETATION IN CHILDREN. ELECTROPHYSIOLOGICAL PATTERNS OR ABNORMALITY?</b>
12.30–12:50	Prevention of sudden cardiac death in children <i>Sergey Termosesov (Moscow)</i>		<b>Chairs:</b> <b>Elena Vasichkina (St. Petersburg)</b> <b>Elena Kolbasova (Nizhny Novgorod)</b>
12:50–13.00	Discussion		16.00–16.15
<b>13.00–14.00</b>	<b>Break</b>		How to identify the cause of many-sided ventricular repolarization disorders <i>Tatiana Kruchina (St. Petersburg)</i>
<b>14.00–15.30</b>	<b>SYMPOSIUM</b> <b>TOPICAL ISSUES OF PEDIATRIC ARRHYTHMOLOGY</b> <b>SESSION 3. TOPICAL ISSUES OF PEDIATRIC CARDIOLOGY AND ARRHYTHMOLOGY</b>		16.15–16.25
	<b>Chairs:</b> <b>Maria Shkolnikova (Moscow)</b> <b>Irina Leontyeva (Moscow)</b> <b>Elena Vasichkina (St. Petersburg)</b>		AV block in long QT syndrome, how to avoid mistakes? <i>Elena Vasichkina (St. Petersburg)</i> <i>Tatiana Kovalchuk (St. Petersburg)</i>
14.00–14.25	New aspects of arrhythmia treatment in children <i>Maria Shkolnikova (Moscow)</i>		16.25–16.40
			ECG phenotypes of long QT syndrome <i>Rukizhat Ildarova (Moscow)</i>

16.40–16:50	Differential diagnosis for supraventricular and ventricular arrhythmias with aberrant QRS complex <i>Vera Bereznitskaya (Moscow)</i>
16:50–17.00	What is hidden by the left axis deviation on ECG in children <i>Valentina Lukanina (Moscow)</i>
17.00–17.10	ECG pauses. What happened to the sinus node? <i>Elena Kolbasova (Nizhny Novgorod)</i>
17.10–17.20	Reconsidered single-chamber ventricular pacing in children <i>Olga Dzhaffarova (Tomsk)</i> <i>Lilia Svintsova (Tomsk)</i> <i>Irina Plotnikova (Tomsk)</i> <i>Bair Dambaev (Tomsk)</i>
17.20–17.30	Discussion

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## PIEMONTE HALL (2)

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### 9.00–10.45 SYMPOSIUM NEW TECHNOLOGIES IN SURGICAL AND INTERVENTIONAL TREATMENT OF CARDIAC ARRHYTHMIAS SESSION 1

#### Chairs:

**Amiran Revishvili (Moscow)**  
**Yuri Schneider (Kaliningrad)**  
**Mikhail Gordeev (St. Petersburg)**  
**Alexey Evtushenko (Kemerovo)**

09.00–09.15	A cardiac surgeon's perspective on atrial fibrillation treatment. Surgical treatment for atrial fibrillation. Evolution from MAZE I to MAZE IV and its modifications <i>Alexey Evtushenko (Kemerovo)</i>
09.15–09.30	Combined surgical treatment for atrial fibrillation and ascending aorta disease <i>Yuri Schneider (Kaliningrad)</i> <i>Georgy Antipov (Kaliningrad)</i> <i>Angelica Postol (Kaliningrad)</i> <i>Yulia Kalashnikova (Kaliningrad)</i>

09.30–09.45	A hybrid OR perspective on atrial fibrillation treatment. Thoracoscopic atrial fibrillation ablation <i>Kirill Bakovsky (Kemerovo)</i>
09.45–10.00	Hospital results of surgical treatment for coronary artery disease and concomitant atrial fibrillation using the MAZE V technique <i>Amiran Revishvili (Moscow)</i> <i>Vadim Popov (Moscow)</i> <i>Egor Malysenko (Moscow)</i> <i>Maxim Anischenko (Moscow)</i>
10.00–10.15	Thoracoscopic cryoablation of left atrial areas for long-standing persistent atrial fibrillation <i>Pavel Shilenko (Kaliningrad)</i> <i>Alexander Vygovsky (Kaliningrad)</i> <i>Victor Tsoi (Kaliningrad)</i> <i>Mikhail Fomenko (Kaliningrad)</i> <i>Alexander Pavlov (Kaliningrad)</i> <i>Yuri Schneider (Kaliningrad)</i>
10.15–10.30	Pulmonary vein isolation results in coronary artery bypass grafting <i>Vadim Popov (Moscow)</i> <i>Vladislav Aminov (Chelyabinsk)</i> <i>Mikhail Svetkin (Chelyabinsk)</i>
10.30–10.40	Atrial rhythm disorders after surgical treatment for atrial fibrillation <i>Andrey Ivanchenko (Kaliningrad)</i> <i>Vitaly Lyashenko (Kaliningrad)</i> <i>Angelica Postol (Kaliningrad)</i> <i>Alexander Vygovsky (Kaliningrad)</i> <i>Yuri Shneider (Kaliningrad)</i>
10.40–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>

11.00–13.00	<b>SYMPOSIUM</b> <b>NEW TECHNOLOGIES IN SURGICAL AND INTERVENTIONAL TREATMENT OF CARDIAC ARRHYTHMIAS. SESSION 2</b>	12.20–12.30	Predictors of atrial fibrillation in the early postoperative period after transapical implantation of the first domestic aortic valve <i>Oksana Popylkova (Penza)</i> <i>Sergey Durmanov (Penza)</i> <i>Alexander Kozlov (Penza)</i> <i>Artur Glumskov (Penza)</i> <i>Natalia Makarova (Penza)</i> <i>Vladlen Bazylev (Penza)</i>
	<b>Chairs:</b> <b>Sergey Kovalev (Voronezh)</b> <b>Eduard Ivanitsky (Krasnoyarsk)</b> <b>Alexey Evtushenko (Kemerovo)</b> <b>Andrey Ivanchenko (Kaliningrad)</b>	12.30–12.40	Ventricular arrhythmias and the prevention of sudden cardiac death in CHD <i>Mustafa Omarov (Makhachkala)</i> <i>Oksana Stovpyuk (St. Petersburg)</i>
11.00–11.15	Catheter ablation for atrial fibrillation: past, present, future <i>Evgeny Kropotkin (Krasnoyarsk)</i> <i>Eduard Ivanitsky (Krasnoyarsk)</i>	12.40–13.00	Discussion
11.15–11.35	Interventional treatment of atrial fibrillation based on pulmonary vein morphology: cryo- or radiofrequency ablation (sponsored by "Mediko-tehnologicheskiiy park" company) <i>Andrey Ivanchenko (Kaliningrad)</i> <i>Igor Khamnagadaev (Moscow)</i>	<b>13.00–14.00</b>	<b>Break</b>
11.35–11:50	Stereotactic radioablation for non-invasive interventions in arrhythmology in an experiment on large animals <i>Valentin Vaskovsky (Moscow)</i> <i>Irina Taymasova (Moscow)</i> <i>Dmitry Kalinin (Moscow)</i> <i>Natalya Antipina (Moscow)</i> <i>Anna Nikolaeva (Moscow)</i> <i>Andrey Golanov (Moscow)</i> <i>Amiran Revishvili (Moscow)</i>	<b>14.00–15.30</b>	<b>SYMPOSIUM</b> <b>YOUNG ARRHYTHMOLOGISTS RARE CLINICAL SETTINGS IN ARRHYTHMOLOGY. SYMPOSIUM 1</b>
11:50–12.00	Postoperative atrial fibrillation. Prevention and early diagnostic methods <i>Yulia Teplova (Kemerovo)</i> <i>Denis Lebedev (Kemerovo)</i>	14.00–14.10	Thoracoscopic treatment for cardiac tamponade <i>Kirill Kozyrin (Kemerovo)</i>
12.00–12.10	Cryoablation of atrial fibrillation. Influence of anatomy and cryokinetic parameters on results <i>Tatiana Chichkova (Kemerovo)</i>	14.10–14.20	Radiofrequency catheter ablation for ventricular tachycardia using robotic magnetic navigation in a teenager after surgical repair of congenital heart disease and transcatheter ventricular septal defect closure with an occluder <i>Andrey Ponomarenko (Novosibirsk)</i> <i>Igor Mikheenko (Novosibirsk)</i>
12.10–12.20	Mechanisms of arrhythmogenesis in congenital heart disease <i>Anton Avramenko (Samara)</i> <i>Anna Rozhkova (Samara)</i>		

14.20–14.30	Interventional treatment for atrial rhythm disorders in children and adults <i>Sergey Termosesov (Moscow)</i> <i>Azamat Baimukanov (Moscow)</i> <i>Ilya Ilyich (Moscow)</i> <i>Rustem Garipov (Moscow)</i> <i>Ivan Grishin (Moscow)</i> <i>Yanina Volkova (Moscow)</i>	16.00–17.30	<b>SYMPOSIUM</b> <b>RARE CLINICAL SETTINGS IN ARRHYTHMOLOGY.</b> <b>SYMPOSIUM 2</b>
14.30–14.40	Complex cases of pacemaker implantation <i>Natalia Stepina (Donetsk)</i>		<b>Chairs:</b> <b>Dmitry Duplyakov (Samara)</b> <b>Sergey Termosesov (Moscow)</b> <b>Elena Efimova (Leipzig)</b> <b>Svetlana Garkina (St. Petersburg)</b>
14.40–14:50	Antiarrhythmic device implantation experience in patients with COVID-19 <i>Konstantin Kosonogov (Nizhny Novgorod)</i> <i>Alexander Nikolsky (Nizhny Novgorod)</i>	16.00–16.10	Case report of arrhythmogenic cardiomyopathy manifestation after ASD closure surgery <i>Alexandra Alekseenko (Kemerovo)</i> <i>Marianna Kulavskaya (Kemerovo)</i>
14:50–15.00	Differential diagnosis for supraventricular and ventricular arrhythmias in patients with an implanted single-chamber ICD <i>Anna Agapova (Samara)</i> <i>Natalia Lapshina (Samara)</i>	16.10–16.20	Brugada syndrome in pediatric practice: more questions than answers <i>Olga Seyfried (St. Petersburg)</i> <i>Elena Sergevna Vasichkina (St. Petersburg)</i>
15.00–15.10	Non-invasive activation mapping in cardiac resynchronization therapy after coronary sinus stenting for left ventricular lead fixation <i>Lev Malishevsky (St. Petersburg)</i> <i>Alexander Kamenev (St. Petersburg)</i> <i>Andrey Osadchiy (St. Petersburg)</i> <i>Stepan Zubarev (St. Petersburg)</i> <i>Dmitry Lebedev (St. Petersburg)</i>	16.20–16.30	Transhepatic radiofrequency ablation for typical atrial flutter and atrial tachycardia in a patient with inferior vena cava atresia <i>Mustafa Omarov (Makhachkala)</i>
15.10–15.20	Complications in cardiac electrophysiology procedures <i>Sergei Nemtsov (St. Petersburg)</i> <i>Roman Tatarsky (St. Petersburg)</i> <i>Sergey Gureev (St. Petersburg)</i>	16.30–16.40	Case report of atypical left ventricular lead dislocation in a patient with left ventricular non-compaction <i>Ilya Repnikov (St. Petersburg)</i> <i>Elizaveta Zbyshevskaya (St. Petersburg)</i> <i>Dmitry Perchatkin (St. Petersburg)</i> <i>Elena Maslova (St. Petersburg)</i> <i>Maya Abohadze (St. Petersburg)</i>
15.20–15.30	WPW syndrome treatment in a patient after orthotopic heart transplantation <i>Ivan Dvadtsatov (Kemerovo)</i>	16.40–16:50	Interesting findings in AF Ablation <i>Vitaly Lyashenko (Kaliningrad)</i>
<b>15.30–16.00</b>	<b>Break</b>	16:50–17.00	Stumbling blocks in the treatment of a comorbid patient with idiopathic pulmonary hypertension and supraventricular tachycardia <i>Irina Taran (Kemerovo)</i>
		17.00–17.10	Cardiac resynchronization therapy in patients with dilated cardiomyopathy and atrial fibrillation <i>Rodion Ratmanov (St. Petersburg)</i> <i>Tatiana Novikova (St. Petersburg)</i> <i>Vera Zimina (St. Petersburg)</i> <i>Elizaveta Zbyshevskaya (St. Petersburg)</i> <i>Victoria Gumerova (St. Petersburg)</i> <i>Sergey Sayganov (St. Petersburg)</i>



- 17.10–17.20 Difficult anatomy options for left atrial appendage occlusion (case series)  
*Ivan Chugunov (Moscow)*
- 17.20–17.30 Discussion

## LEVINSON FOYER

### HALL OF E-POSTER PRESENTATIONS

#### 09.00–10.45 SESSION OF E-POSTERS NEW ADVANCES IN CARDIAC PACING

**Chairs:**  
**Vadim Minaev (Moscow)**  
**Victor Fedorets (St. Petersburg)**

Dynamics of atrioventricular block complicating the acute period of myocardial infarction, validation of indications and timing for cardiac pacemaker implantation  
*Bahram Iskenderov (Penza)*

Antiarrhythmic device implantation in patients with accessory superior vena cava. Our experience  
*Yulia Aseeva (Khabarovsk)*  
*Tatiana Neapolitanskaya (Khabarovsk)*  
*Ahmad Bsharat (Khabarovsk)*

Long-term endocardial lead implantation results for cardiac pacing in children  
*Vadim Minaev (Moscow)*

Transvenous lead extraction  
*Dmitry Podolyak (Moscow)*  
*Alexey Kiprensky (Moscow)*  
*Sergey Mironovich (Moscow)*

Long-term results of using domestic active fixation endocardial leads  
*Ilya Repnikov (St. Petersburg)*  
*Ilya Ginzburg (St. Petersburg)*  
*Oleg Gordeev (St. Petersburg)*  
*Dmitry Egorov (St. Petersburg)*

Case of using an auxiliary intraoperative system for r-wave amplitude determination of implantable endocardial lead based on the JUNIOR SR cardiac pacemaker in elderly patients  
*Victor Fedorets (St. Petersburg)*  
*Vladimir Drozdov (Moscow)*  
*Ekaterina Shatokhina (St. Petersburg)*  
*Natalia Gonchar (St. Petersburg)*  
*Alexander Alexandrov (Moscow)*  
*Alexander Gridin (Yaroslavl)*  
*Larisa Vinogradova (Kostroma)*  
*Nikita Malakhov (Moscow)*

Cardiac pacemaker implantation in patients after tricuspid valve replacement  
*Vadim Minaev (Moscow)*

Bradyarrhythmias and role of cardiac pacing for congenital heart disease  
*Oksana Stovpyuk (St. Petersburg)*

**10.45–11.00 Break**

#### 11.00–13.00 SESSION OF E-POSTERS CARDIAC RESYNCHRONIZATION THERAPY AND IMPLANTABLE CARIOVERTER-DEFIBRILLATORS

**Chairs:**  
**Sergey Mamchur (Kemerovo)**  
**Dmitry Kryzhanovsky (St. Petersburg)**

Is it important to program monitoring zones in patients after cardioverter-defibrillator implantation?  
*Tariel Atabekov (Tomsk)*  
*Roman Batalov (Tomsk)*  
*Sergey Krivolapov (Tomsk)*  
*Mikhail Khlynin (Tomsk)*  
*Sergey Popov (Tomsk)*

Rate of therapeutic interventions of implantable cardioverter-defibrillators in patients with indications for primary prevention of sudden cardiac death  
*Angelica Postol (Kaliningrad)*  
*Nikolay Nemiuschy (Moscow)*  
*Georgy Antipov (Kaliningrad)*  
*Andrey Ivanchenko (Kaliningrad)*  
*Vitaly Lyashenko (Kaliningrad)*  
*Alexander Vygovsky (Kaliningrad)*  
*Yuri Schneider (Kaliningrad)*

Comparison of various approaches for axillary vein puncture during cardiac pacemaker implantation: first results

*Alexander Yambatrov (Kovrov)*  
*Tatiana Shulpina (Kovrov)*  
*Denis Sankin (Kovrov)*  
*Natalia Fyut (Kovrov)*  
*Anna Zakharina (Kovrov)*  
*Anastasia Pankratova (Kovrov)*  
*Sergey Lychenko (Kovrov)*

The first experience of subcutaneous defibrillators implantation.

*Kirill Bakovsky (Kemerovo)*  
*Sergey Mamchur (Kemerovo)*  
*Egor Khomenko (Kemerovo)*  
*Tatiana Chichkova (Kemerovo)*  
*Maria Romanova (Kemerovo)*  
*Nikita Bokhan (Kemerovo)*  
*Oleg Chistyukhin (Kemerovo)*

Femoral approach for coronary sinus catheterization with CRT implantation

*Oleg Demarin (Nizhny Novgorod)*  
*Nikolay Shibanov (Nizhny Novgorod)*  
*Mikhail Ryazanov (Nizhny Novgorod)*  
*Alexander Medvedev (Nizhny Novgorod)*  
*Alexander Shamatolsky (Nizhny Novgorod)*

Single-chamber implantable cardioverter-defibrillator with atrial events diagnosis.

First experience  
*Alexander Mozalev (St. Petersburg)*  
*Dmitry Kryzhanovsky (St. Petersburg)*  
*Sergey Astafiev (St. Petersburg)*  
*Yulia Boldyreva (St. Petersburg)*  
*Dmitry Voskovets (St. Petersburg)*  
*Vasily Dorofeev (St. Petersburg)*  
*Alexey Markov (St. Petersburg)*  
*Alexey Khotuntsov (St. Petersburg)*  
*Sergey Yuzvinkevich (St. Petersburg)*

**13.00–14.00 Break**

**14.00–15.30**

**SESSION OF E-POSTERS**

**CATHETER ABLATION FOR ATRIAL FIBRILLATION**

**Chairs:**

**Sergey Durmanov (Penza)**

**Alexander Morozov (St. Petersburg)**

Changes in vagosympathetic balance after balloon cryoablation in patients with paroxysmal atrial fibrillation

*Ivan Novikov (Moscow)*  
*Pyotr Novikov (Moscow)*  
*Nikolay Mironov (Moscow)*  
*Merab Sharia (Moscow)*  
*Sergey Sokolov (Moscow)*  
*Evgeny Maikov (Moscow)*

Rate of microthrombi formation on the surface of the left atrial appendage endothelium in cardiovascular disease deaths

*Yuri Krivosheev (Stavropol)*  
*Sergey Chukov (Stavropol)*  
*David Mkrtychev (Stavropol)*  
*Leonid Vilensky (Stavropol)*  
*Vladimir Kolesnikov (Stavropol)*  
*Alexander Romanov (Novosibirsk)*

Beta-adrenergic reactivity of cell membranes in patients with paroxysmal atrial fibrillation

*Irina Kisteneva (Tomsk)*  
*Elena Borisova (Tomsk)*  
*Roman Batalov (Tomsk)*  
*Sergey Popov (Tomsk)*

Non-fluoroscopic approach in the surgical treatment of various forms of atrial fibrillation: annual results

*Vladislav Kostin (Moscow)*  
*Oleg Sapelnikov (Moscow)*  
*Alexander Kulikov (Moscow)*  
*Dmitry Cherkashin (Moscow)*  
*Igor Grishin (Moscow)*  
*Renat Akchurin (Moscow)*



The choice of possible tactics for the management of patients with tachyarrhythmias and thrombus in the cardiac chambers

*Andrey Osadchiy (St. Petersburg)*  
*Alexander Kamenev (St. Petersburg)*  
*Natalia Pavlova (St. Petersburg)*  
*Stanislav Urazov (St. Petersburg)*  
*Svetlana Lebedeva (St. Petersburg)*  
*Dmitry Lebedev (St. Petersburg)*  
*Sergey Shcherbak (St. Petersburg)*

Evaluation of intermediate results of thoracoscopic and catheter treatment of patients with persistent and long-term persistent atrial fibrillation

*Irina Taymasova, (Moscow)*  
*Elena Artyukhina (Moscow)*  
*Amiran Revishvili (Moscow)*

Optical mapping and contrast-enhanced magnetic resonance imaging for visualization of atrial fibrillation drivers and their arrhythmogenic substrate *in-vivo* and *ex-vivo* in an experimental model of persistent atrial fibrillation in dogs

*Alexey Mikhailov (St. Petersburg)*  
*Vadim Fedorov (Columbus, USA)*  
*M.M. Subr (USA)*  
*U. Mylavaram (USA)*  
*L. Hoenie (USA)*  
*N. Li (USA)*  
*B.J. Hansen (USA)*  
*A. Nalar (USA)*  
*J. Kennelly (USA)*  
*Y.-L. Yen (USA)*  
*Y. Pan (USA)*  
*K.M. Helfrich (USA)*  
*A. Kalyanasundaram (USA)*  
*A. Wilson (USA)*  
*M. Joseph (USA)*  
*B. Buck (USA)*  
*A. Bratasz (USA)*  
*P.J. Mohler (USA)*  
*J. Zhao (USA)*  
*J. Hummel (USA)*  
*O.P. Simonetti (USA)*

Shorter distance between radiofrequency applications is associated with longer procedure time, but not with worse acute results of pulmonary vein isolation:

results from a prospective ablation index registry  
*Nigar Gasimova (St. Petersburg)*  
*Evgeny Kropotkin (Krasnoyarsk)*  
*Grigory Kolunin (Tyumen)*  
*Anatoly Nechepurenko (Astrakhan)*  
*Dmitry Shavshin (Kaliningrad)*  
*Bor Antolic (Ljubljana, Slovenia)*  
*Dmitry Lebedev (St. Petersburg)*  
*Evgeny Mikhailov (St. Petersburg)*

Newly diagnosed atrial fibrillation: a choice of treatment strategy

*Vladimir Steklov (Moscow)*  
*Denis Morozov (Moscow)*  
*Elena Bryklya (Moscow)*  
*Marina Lipskaya (Moscow)*  
*Elena Zhigacheva (Moscow)*

Features of diagnosis and treatment of paroxysmal atrial fibrillation in patients over 65 years of age

*N.M. Stepanova (Moscow)*  
*S. Yu. Serguladze (Moscow)*  
*O.V. Sopov (Moscow)*  
*E.S. Kotanova (Moscow)*  
*R.G. Takalandze (Moscow)*

**15.30–16.00 Break**

**16.00–17.30 SESSION OF E-POSTERS  
 NEW ADVANCES IN DIAGNOSIS AND TREATMENT  
 OF ATRIAL FIBRILLATION AND ASSOCIATED CONDITIONS**

**Chairs:**

**Andrey Kalemberg (Moscow)**  
**Valery Ionin (St. Petersburg)**

Morphological changes in the myocardium after non-invasive stereotactic radioablation. Experimental study results

*Valentin Vaskovsky (Moscow)*  
*Irina Taymasova (Moscow)*  
*Dmitry Kalinin (Moscow)*  
*Amiran Revishvili (Moscow)*

Development of new methods for determining the degree of fibrosis, studying the mechanisms of occurrence and maintenance of atrial fibrillation

*Elizaveta Dedukh (Moscow)*

*Elena Artyukhina (Moscow)*

*Amiran Revishvili (Moscow)*

Immediate and mid-term results of epicardial bipolar radiofrequency ablation of the pulmonary veins as a method of preventing atrial fibrillation after coronary artery bypass grafting

*Amiran Revishvili (Moscow)*

*Vadim Popov (Moscow)*

*Egor Malysenko (Moscow)*

*Maxim Anischenko (Moscow)*

Circadian rhythms of the thyroid gland and its morphological changes in patients with paroxysmal atrial fibrillation

*Yulia Tsareva (Saratov)*

*Dmitry Khazov (Saratov)*

*Evgeny Schwartz (Saratov)*

Epidemiological features of atrial fibrillation in combination with diabetes mellitus

*Andrey Bagriy (Donetsk)*

*Evgenia Mikhailichenko (Donetsk)*

*Irina Kotova (Donetsk)*

*Natalia Vashakidze (Donetsk)*

*O.N. Bagriy (Donetsk)*

Application of the module for analyzing the amplitude-frequency characteristics of atrial fibrillation of holter ECG monitoring in searching for predictors of left atrial appendage thrombosis in patients with atrial fibrillation

*Yuri Krivosheev (Stavropol)*

*Tatiana Myznikova (Stavropol)*

*Zemfira Miskhodzheva (Stavropol)*

*Leonid Vilensky (Stavropol)*

*Vladimir Kolesnikov (Stavropol)*

*Alexander Romanov (Novosibirsk)*

Hyperuricemia associated with diastolic dysfunction in patients with atrial fibrillation and heart failure with preserved ejection fraction

*Mikhail Deshko (Grodno, Belarus)*

*Victor Snezhitsky (Grodno, Belarus)*

*A.V. Borisevich (Grodno, Belarus)*

*Irina Osipova (Grodno, Belarus)*

*Yanush Morgis (Grodno, Belarus)*

Alternative to electrical cardioversion in obese patients

*Olga Pyataeva (Novosibirsk)*

*Sergey Zenin (Novosibirsk)*

*Oksana Kononenko (Novosibirsk)*

*Ignat Felikov (Novosibirsk)*

*Artem Fedoseenko (Novosibirsk)*

Relationship between the expression of calcium-transporting proteins of the sarcoplasmic reticulum and their polymorphic gene variants in patients with atrial fibrillation

*Evgeny Archakov (Tomsk)*

*Roman Batalov (Tomsk)*

*Andrey Smorgon (Tomsk)*

*Dina Kondratyeva (Tomsk)*

*Sergey Afanasyev (Tomsk)*

*Sergey Popov (Tomsk)*

Time	1 <sup>st</sup> floor	2 <sup>nd</sup> floor			3 <sup>rd</sup> floor				2 <sup>nd</sup> floor	
	Moskovsky Congress Hall 1 000 seats	Deyneca Hall 80 seats	Petrov-Vodkin Hall (1) 70 seats	Petrov-Vodkin Hall (2+3) 149 seats	Pudovkin Hall (1+2) 75 seats	Stenberg Hall (1) 73 seats	Stenberg Hall (2) 79 seats	Piemonte Hall (1) 140 seats	Piemonte Hall (2) 100 seats	Levinson Foyer Hall of e-poster presentations
REGISTRATION — 8:00 A.M. ONWARDS										
09.00–10.45	Symposium <i>COVID and Arrhythmias: a View From the Red Zone</i> Symposium 1	Symposium <i>Discussion Club on Cryoablation. Questions and Answers</i> (sponsored by Medtronic)	Symposium <i>Autonomic Nervous Activity Modulation in Cardiovascular Disease. Myocardial Ischemia and Cardiac Arrhythmias</i>	Symposium <i>Management of Patients with Prior Ischemic Stroke and Atrial Fibrillation: How to Break the Vicious Loop of Complications</i>		Debate <i>High-Power Short Ablation for Atrial Fibrillation Treatment: the Optimal Solution for Expert Centers or a Fancy Approach?</i>	Master class <i>ECG in Patients with Implantable Antiarrhythmic Devices</i>	Symposium <i>Arrhythmias in Pregnancy</i>	Symposium <i>Ventricular Tachycardia. From Diagnosis to Ablation</i>	Session of e-posters <i>New Advances in Heart Failure Treatment and Cardiac Resynchronization Therapy</i>
10.45–11.00 Break										
11.00–13.00	Symposium <i>Role of Remote ECG Monitoring in the Diagnosis of Rhythm and Conduction Disorders</i>	Interactive mini-sessions (sponsored by Medtronic)  1. Automatic resynchronization optimization — AdaptiveCPT 2. Diagnosis of AF in a single chamber defibrillator 3. MVP and other pacemaker algorithms: when and in whom should you turn off?	Symposium <i>Arrhythmogenesis: New in Experimental and Clinical Cardiology</i>	Symposium <i>New Techniques and Technologies for Ventricular Arrhythmia Treatment (simultaneous interpretation)</i>	Master class <i>Follow-Up Examination of a Patient with an ICD: Case Report</i> (sponsored by Cardiomedics / Boston Scientific)	Symposium <i>Recurrent Catheter Interventions for Atrial Fibrillation</i>	Master class <i>Pacemaker, ICD and CRT Programming Principles to Improve Life Quality and Reduce Cardiovascular Risk</i>	Symposium <i>Physical Exercise as the Main Trigger of Arrhythmogenesis</i>	<i>Symposium on the Continuum of Arrhythmological Manifestations Before and After HT</i>	Session of e-posters <i>Ventricular Arrhythmias and Sudden Cardiac Death</i>
13.00–14.00 Break										

Time	1 <sup>st</sup> floor	2 <sup>nd</sup> floor			3 <sup>rd</sup> floor					2 <sup>nd</sup> floor
	Moskovsky Congress Hall 1 000 seats	Deyneca Hall 80 seats	Petrov-Vodkin Hall (1) 70 seats	Petrov-Vodkin Hall (2+3) 149 seats	Pudovkin Hall (1+2) 75 seats	Stenberg Hall (1) 73 seats	Stenberg Hall (2) 79 seats	Piemonte Hall (1) 140 seats	Piemonte Hall (2) 100 seats	Hyde Park. Free stand
14.00–15.30	Symposium <i>Clinical Practice Guidelines and Standards of Care for Rhythm Disorders 2020</i>		Symposium <i>Selected Anatomical Issues of Interventional Arrhythmology</i>	Symposium <i>A Modern Perspective on Atrial Fibrillation Treatment</i>	Master class. <i>Programming of CRT Devices. Optimization Methods</i> (sponsored by Cardiomedics / Boston Scientific)	Symposium <i>Left Bundle Branch Block — a Disease or an Electrophysiological Phenomenon?</i>	Symposium <i>Special Considerations for Regional Centers of Interventional Arrhythmology in the Context of the COVID-19 Pandemic</i>	Symposium <i>Sports and Cardiac Arrhythmias</i>	Symposium <i>Electrocardiology and Functional Tests in Arrhythmology</i>	Session of e-posters <i>Topical Issues of Cardiac Anatomy and Electrophysiology</i>
15.30–16.00 Break										
16.00–17.30	Symposium <i>Interesting Case Reports in Arrhythmology</i>		Symposium <i>Syncope in Clinical Practice: Indeterminate and Well-Known</i>	Symposium <i>Topical Issues of Thromboprophylaxis in Arrhythmology</i>		Panel discussion for implantable device manufacturers <i>Strategies to Minimize Shocks in Patients with ICD</i>	Symposium <i>How to Reduce the Risk of Complications after the Implantation of Antiarrhythmic Devices?</i>	Symposium <i>Sports Cardiology and Arrhythmology</i>		
LEVINSON FOYER. CLOSING OF THE IX ALL-RUSSIAN CONGRESS OF ARRHYTHMOLOGY										

## MOSKOVSKY CONGRESS HALL

**09.00–10.45**      **SYMPOSIUM**  
**COVID AND ARRHYTHMIAS: A VIEW FROM THE RED ZONE**  
**SYMPOSIUM 1**

**Chairs:****Simon Matskeplishvili (Moscow)****Vladimir Khirmanov (St. Petersburg)****Alexey Kosonogov (Nizhny Novgorod)**

- 09.00–09.20      Evidence-based medicine: COVID clinical course in patients with cardiac rhythm disorders, possible complications and their prevention  
*Yuri Mareev (Moscow)*
- 09.20–09.40      Strategies to reduce the risk of adverse clinical outcomes in patients with arrhythmias and COVID-19: role of anticoagulant prophylaxis  
*Oksana Efimova (Samara)*
- 09.40–10.00      Tachyarrhythmias in COVID-19 patients  
*Ksenia Simonova (St. Petersburg)*  
*Svetlana Garkina (St. Petersburg)*
- 10.00–10.15      Practical experience of a large EP-Center during COVID pandemic  
*Elena Efimova (Leipzig)*
- 10.15–10.30      True drug cardiotoxicity - possible approaches to reduce it  
*Ekaterina Zaslavskaya (St. Petersburg)*
- 10.30–10.45      Discussion

**10.45–11.00**      **Break**

**11.00–13.00**      **SYMPOSIUM**  
**ROLE OF REMOTE ECG MONITORING IN THE DIAGNOSIS**  
**OF RHYTHM AND CONDUCTION DISORDERS**

**Chairs:****Elena Artyukhina (Moscow)****Valentin Oleynikov (Penza)**

- 11.00–11.20      Role of long-term monitoring in current national clinical guidelines  
*Elena Artyukhina (Moscow)*

- 11.20–11.40      Remote monitoring after percutaneous transluminal coronary angioplasty with stenting  
*Yuri Matchin (Moscow)*

- 11.40–11.55      Increase in arrhythmic healthcare efficacy based on long-term remote ECG monitoring  
*Andrey Kalemberg (Moscow)*

- 11.55–12.10      Telemetry in critical care cardiology  
*Valentin Oleynikov (Penza)*

- 12.10–12.30      Modern mobile and cloud technologies in long-term ECG telemetry  
*Maxim Borozdin (Moscow)*

- 12.30–13.00      Discussion

**13.00–14.00**      **Break**

**14.00–15.30**      **SYMPOSIUM**  
**CLINICAL PRACTICE GUIDELINES AND STANDARDS**  
**OF CARE FOR RHYTHM DISORDERS 2020**

**Chairs:****Elena Golukhova (Moscow)****Sergey Popov (Tomsk)****Sergey Golitsyn (Moscow)****Dmitry Lebedev (St. Petersburg)****Yuri Shubik (St. Petersburg)**

- 14.00–14.20      Ventricular rhythm disorders. Ventricular tachycardias and sudden cardiac death  
*Nikolay Neminuschy (Moscow)*

- 14.20–14.40      Bradyarrhythmias and conduction disorders  
*Elena Artyukhina (Moscow)*

- 14.40–15.00      Atrial fibrillation and flutter  
*Elena Golukhova (Moscow)*

15.00–15.15	Supraventricular tachycardia <i>Yuri Shubik (St. Petersburg)</i>
15.15–15.30	Discussion
<b>15.30–16.00</b>	<b>Break</b>
<b>16.00–17.30</b>	<b>SYMPOSIUM</b> <b>INTERESTING CASE REPORTS IN ARRHYTHMOLOGY</b>
	<b>Chairs:</b> <b>Mikhail Medvedev (St. Petersburg)</b> <b>Yuri Shubik Professor (St. Petersburg)</b>
16.00–16.20	Examination and treatment of a patient with an accelerated idioventricular rhythm <i>Mikhail Medvedev (St. Petersburg)</i>
16.20–16.40	Patient with hypertrophic cardiomyopathy, documented coronary artery disease and clinically significant conduction disorders: treatment strategy <i>Maria Baturova (St. Petersburg)</i>
16.40–17.00	Cardiac rhythm and conduction disorders in a young patient with Fabry disease <i>Marina Gordeeva (St. Petersburg)</i>
17.00–17.20	Pill-in-the-pocket atrial fibrillation treatment strategy: expected surprises <i>Yuri Shubik (St. Petersburg)</i>
17.20–17.30	Discussion

## DEINEKA HALL

<b>09.00–10.45</b>	<b>SYMPOSIUM</b> <b>DISCUSSION CLUB ON CRYOABLATION. QUESTIONS AND ANSWERS</b> (sponsored by Medtronic)
	<b>Moderators:</b> <b>Dmitry Kryzhanovsky (St. Petersburg)</b> <b>Sergey Korolev (Moscow)</b> <b>Evgeny Maikov (Moscow)</b> <b>Ahmad Bsharat (Khabarovsk)</b> <b>Maxim Gorev (Moscow)</b> <b>Ildus Sagitov (Ufa)</b>
09.00–09.10	My experience of cryoablation — what I would like to share <i>Igor Khamnagadaev (Moscow)</i>
09.10–09.15	Discussion
09.15–09.25	My experience of cryoablation — what I would like to share. <i>Gippokrat Pasenov (St. Petersburg)</i>
09.25–09.30	Discussion
09.30–09.40	My experience of cryoablation — what I would like to share <i>Yuri Virstyuk (Moscow)</i>
09.40–09.45	Discussion
09.45–09.55	My experience of cryoablation — what I would like to share <i>Alexey Dychev (Kazan)</i>
09.55–10.00	Discussion
10.00–10.10	My experience of cryoablation — what I would like to share <i>Tatiana Chichkova (Kemerovo)</i>
10.10–10.15	Discussion
10.15–10.25	My experience of cryoablation — what I would like to share <i>Iliia Skigin (St. Petersburg)</i>
10.25–10.30	Discussion
10.30–10.45	Closing remarks
<b>10.45–11.00</b>	<b>Break</b>

**11.00–13.10 INTERACTIVE MINI-SESSIONS**  
(sponsored by Medtronic)

11.00–11.40 Automatic resynchronization optimization — Adaptive CPT  
**Moderators:**  
**Nikolay Neminuschy (Moscow)**  
**Maxim Los (St. Petersburg)**

11.45–12.25 Diagnosis of AF in a single chamber defibrillator  
**Moderators:**  
**Nikolay Neminuschy (Moscow)**  
**Maxim Los (St. Petersburg)**

12.30–13.10 MVP and other pacemaker algorithms: when and in whom should you turn off?  
**Moderators:**  
**Nikolay Neminuschy (Moscow)**  
**Maxim Los (St. Petersburg)**

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## PETROV-VODKIN HALL

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**09.00–10.45 SYMPOSIUM**  
**AUTONOMIC NERVOUS ACTIVITY MODULATION**  
**IN CARDIOVASCULAR DISEASE. MYOCARDIAL ISCHEMIA**  
**AND CARDIAC ARRHYTHMIAS**

**Chairs:**  
**Mikhail Galagudza (St. Petersburg)**  
**Pyotr Platonov (Lund, Sweden)**  
**Evgeny Mikhailov (St. Petersburg)**

09.00–09.20 Preclinical trials on autonomic nervous system dysfunction in heart failure: pathogenesis and correction  
*Mikhail Galagudza (St. Petersburg)*

09.20–09.40 Clinical aspects of ventricular arrhythmias in acute ischemia and reperfusion  
*Pyotr Platonov (Lund, Sweden)*

09.40–10.00 Electrophysiological bases of the antiarrhythmic effect of melatonin in ischemia and reperfusion experimental model  
*Yan Azarov (Syktyvkar)*

10.00–10.20 Nanoparticles for autonomous regulation modification in atrial fibrillation  
*Dmitry Sonin (St. Petersburg)*

10.20–10.35 Vagus nerve stimulation for treatment of hypertension  
*Alena Talkacheva (Minneapolis, USA)*

10.35–10.45 Discussion

**10.45–11.00 Break**

**11.00–13.00 SYMPOSIUM**  
**ARRHYTHMOGENESIS: NEW IN EXPERIMENTAL**  
**AND CLINICAL CARDIOLOGY**

**Chairs:**  
**Pyotr Platonov (Lund, Sweden)**  
**Mikhail Galagudza (St. Petersburg)**  
**Yan Azarov (Syktyvkar)**

11.00–11.25 Mechanisms of arrhythmogenesis in acute experimental conditions of ischemia: transition from experiment to clinical practice  
*Yan Azarov (Syktyvkar)*

11.25–11:50 Ventricular rhythm disorders in acute myocardial infarction (SWEDEHEART registry): ECG predictors, impact on hospital mortality and prognosis  
*Marina Demidova (St. Petersburg)*

11:50–12.10 Interatrial block as a marker of atrial fibrillation risk and mortality in patients with high cardiovascular risk  
*Maria Baturova (St. Petersburg)*

12.10–12.30 Atrial fibrillation in monogenic cardiomyopathies: complication or phenotype component?  
*Pyotr Platonov (Lund, Sweden)*

12.30–13.00 Discussion

**13.00–14.00 Break**



**14.00–15.30** **SYMPOSIUM**  
**SELECTED ANATOMICAL ISSUES OF INTERVENTIONAL**  
**ARRHYTHMOLOGY**

**Chairs:****Andrey Ardashev (Moscow)****Maxim Didenko (St. Petersburg)**

14.00–14.30 Reviewing anatomical — electrophysiological model of the heart — the basis for successful arrhythmological practice  
*Maxim Didenko (St. Petersburg)*

14.30–14.55 Heart venous system anatomical features in patients after heart surgery  
*Oleg Dubrovin (Chelyabinsk)*

14.55–15.20 Complicacy of transaortic transfemoral approach in a patient with VA (case report)  
*Andrey Ardashev (Moscow)*

15.20–15.30 Discussion

**15.30–16.00 Break**

**16.00–17.30** **SYMPOSIUM**  
**SYNCOPE IN CLINICAL PRACTICE:**  
**INDETERMINATE AND WELL-KNOWN**

**Chairs:****Dmitry Duplyakov (Samara)****Oleg Mamontov (St. Petersburg)****Alexander Pevzner (Moscow)****Tatiana Tyurina (St. Petersburg)**

16.00–16.20 Patient with syncope - how to understand the problem essence  
*Dmitry Duplyakov (Samara)*

16.20–16.40 Do we know well the causes of fainting?  
*Oleg Mamontov (St. Petersburg)*

16.40–17.00 Vasovagal syncope is a genetic result of human evolution. Payback for upright posture or defense mechanism?  
*Alexander Pevzner (Moscow)*

17.00–17.15 Syncope in children and adolescents: questions to a pediatric cardiologist  
*Tatiana Kovalchuk (St. Petersburg)*  
*Elena Vasichkina (St. Petersburg)*  
*Evgenia Gorozhankina (St. Petersburg)*  
*Alexandra Kresteleva (St. Petersburg)*

17.15–17.30 Cardioneuroablation in patients with SSS and AV block. A paradigm shift in syncope management  
*Mustafa Omarov (Makhachkala)*

17.30–17.40 Discussion

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**PETROV-VODKIN HALL (2+3)**

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**09.00–10.45** **SYMPOSIUM**  
**MANAGEMENT OF PATIENTS WITH PRIOR ISCHEMIC**  
**STROKE AND ATRIAL FIBRILLATION: HOW TO BREAK**  
**THE VICIOUS LOOP OF COMPLICATIONS**

**Chairs:****Elena Golukhova (Moscow)****Sergey Yakushin (Ryazan)**

09.00–09.30 Multidisciplinary approach to patient management with atrial fibrillation: the role of drug therapy and invasive technologies  
*Elena Golukhova (Moscow)*

09.30–09.50 Screening for atrial fibrillation after stroke: how, when and why?  
*Evgeny Filippov (Ryazan)*

09:50–10.15 Reducing the risk of recurrent thromboembolic complications in patients with ischemic stroke in the early and long-term post-hospital period  
*Sergey Yakushin (Ryazan)*

10.15–10.35 Patients with prior cerebral stroke and atrial fibrillation in real clinical practice: comorbidity, drug treatment and outcomes according to registries  
*Mikhail Lukyanov (St. Petersburg)*

10.35–10.45 Discussion

**10.45–11.00 Break**

<b>11.00–13.00</b>	<b>SYMPOSIUM</b> <b>NEW TECHNIQUES AND TECHNOLOGIES</b> <b>FOR VENTRICULAR ARRHYTHMIA TREATMENT</b> (simultaneous interpretation)
	<b>Chairs:</b> <b>Sergey Korolev (Moscow)</b> <b>Alexander Romanov (Novosibirsk)</b> <b>Maxim Didenko (St. Petersburg)</b>
11.00–11.30	Non-invasive ventricular tachycardia ablation - myths and reality <i>Alexander Romanov (Novosibirsk)</i>
11.30–12.00	Ventricular tachycardia substrate mapping: is it an obvious choice? <i>Evgeny Lyan (Bad Bevensen, Germany)</i>
12.00–12.30	Optimal mapping and ablation tactics for substrate ventricular tachyarrhythmias <i>John Silberbauer (Brighton, UK)</i> (online, sponsored by Johnson & Johnson LLC)
12.30–12:50	Chemical ablation for refractory ventricular arrhythmias <i>Sergey Korolev (Moscow)</i>
12:50–13.00	Discussion
<b>13.00–14.00</b>	<b>Break</b>
<b>14.00–15.30</b>	<b>SYMPOSIUM</b> <b>A MODERN PERSPECTIVE ON ATRIAL</b> <b>FIBRILLATION TREATMENT</b>
	<b>Chairs:</b> <b>Alexey Evtushenko (Kemerovo)</b> <b>Roman Tatarsky (St. Petersburg)</b> <b>Denis Losik (Novosibirsk)</b>
14.00–14.15	A cardiologist's perspective on atrial fibrillation treatment. Contemporary view on drug therapy <i>Yuri Mareev (Moscow)</i>

14.15–14.30	Prediction of atrial fibrillation recurrence based on different methods of sinus rhythm restoration <i>Tatiana Gromyko (St. Petersburg)</i> <i>Sergey Sayganov (St. Petersburg)</i>
14.30–14.45	An interventional specialist's perspective on atrial fibrillation management. Contemporary technologies of catheter treatment for atrial fibrillation <i>Vitaly Lyashenko (Kaliningrad)</i>
14.45–15.00	Drug-drug interaction in atrial fibrillation treatment in geriatric patients <i>Marina Chernyaeva (Moscow)</i> <i>Karin Mirzaev (Moscow)</i> <i>Pavel Bochkov (Moscow)</i> <i>Roman Shevchenko (Moscow)</i> <i>Olga Ostroumova (Moscow)</i> <i>Dmitry Sychev (Moscow)</i>
15.00–15.10	Clinical efficacy of catheter treatment for "idiopathic" AF depending on the presence of active lymphocytic myocarditis <i>Alexey Shelemehov (Kaliningrad)</i>
15.10–15.20	Fibrosis, systemic inflammation and antioxidant stress in patients with "idiopathic" atrial fibrillation and verified myocarditis <i>Anna Gusakova (Tomsk)</i> <i>Alexey Shelemekhov (Tomsk)</i> <i>Yulia Rogovskaya (Tomsk)</i> <i>Roman Batalov (Tomsk)</i> <i>Tatiana Suslova (Tomsk)</i>
15.20–15.30	Discussion
<b>15.30–16.00</b>	<b>Break</b>

16.00–17.30

**SYMPOSIUM**  
**TOPICAL ISSUES OF THROMBOPROPHYLAXIS**  
**N ARRHYTHMOLOGY**

**Chairs:****Tatiana Vavilova (St. Petersburg)****Tatiana Pavlova (Samara)****Vasily Kashtalap (Kemerovo)**

16.00–16.10

Perioperative anticoagulation in arrhythmology  
*Polina Zubkova (St. Petersburg)*

16.10–16.20

Complex issues of anticoagulant therapy in patients  
 with cardioembolic stroke  
*Oksana Efimova (Samara)*

16.20–16.40

Topical issues of treatment for patients with AF and CKD:  
 what has changed in therapeutic approaches?  
*Boris Tatarsky (St. Petersburg)*  
 (sponsored by Boehringer Ingelheim)

16.40–16:50

Atrial fibrillation: role of ABC program implication in increasing  
 patient adherence to anticoagulant therapy  
 (results of a prospective non-interventional study)  
*Tatiana Babova (St. Petersburg)*  
*Nadezhda Liksyutina (St. Petersburg)*  
*Tatiana Novikova (St. Petersburg)*  
*Fatima Bitakova (St. Petersburg)*  
*Sergey Sayganov (St. Petersburg)*

16:50–17.05

Direct comparison of two devices for LA appendage occlusion  
 according to the Russian National Registry  
*Karapet Davtyan (Moscow)*  
 (sponsored by Cardiomedics)

17.05–17.25

DOAC in a patient with gastrointestinal tract disease.  
 How to ensure treatment safety?  
*Olga Miller (Novosibirsk)*  
 (online, sponsored by Pfizer)

17.25–17.30

Discussion

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**PUDOVKIN HALL (1+2)**


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11.00–13.00

**МАСТЕР-КЛАСС**  
**MASTER CLASS. FOLLOW-UP EXAMINATION**  
**OF A PATIENT WITH AN ICD: CASE REPORT**  
 (sponsored by Cardiomedics / Boston Scientific)

**Moderator:****Olga Kostyleva (Moscow)**

13.00–14.00

**Break**

14.00–15.30

**MASTER CLASS.**  
**PROGRAMMING OF CRT DEVICES.**  
**OPTIMIZATION METHODS**  
 (sponsored by Cardiomedics / Boston Scientific)

**Moderator:****Olga Kostyleva (Moscow)**

15.30–16.00

**Break**

## STENBERG HALL (1)

<b>9.00–10.45</b>	<b>DEBATE</b> <b>HIGH-POWER SHORT ABLATION FOR ATRIAL FIBRILLATION TREATMENT: THE OPTIMAL SOLUTION FOR EXPERT CENTERS OR A FANCY APPROACH?</b>
	<b>Chairs:</b> <b>Evgeny Mikhailov (St. Petersburg)</b> <b>Elena Artyukhina (Moscow)</b> <b>Evgeny Kropotkin (Krasnoyarsk)</b> <b>Grigory Gromyko (Moscow)</b>
09.00–09.20	Arguments for pulmonary vein catheter isolation using a shorter high power exposure approach <i>Anatoly Nechepurenko (Astrakhan)</i>
09.20–09.40	Arguments against pulmonary vein catheter isolation using a shorter high power exposure approach <i>Roman Batalov (Tomsk)</i>
09.40–10.00	Response in favor of pulmonary vein catheter isolation using a shorter high power exposure approach <i>Anatoly Nechepurenko (Astrakhan)</i>
10.00–10.20	Response against pulmonary vein catheter isolation using a shorter high power exposure approach <i>Roman Batalov (Tomsk)</i>
10.20–10.45	Discussion
<b>10.45–11.00</b>	<b>Break</b>

11.00–13.00

**SYMPOSIUM**  
**RECURRENT CATHETER INTERVENTIONS FOR ATRIAL FIBRILLATION**

	<b>Chairs:</b> <b>Evgeny Mikhailov (St. Petersburg)</b> <b>Sergey Yashin (St. Petersburg)</b> <b>Alexander Chapurnykh (Moscow)</b>
11.00–11.20	Recurrent catheter ablations for atrial fibrillation: success rate, risk stratification and technical features <i>Sergey Yashin (St. Petersburg)</i>
11.20–11.40	Catheter ablation strategy choice in difficult cases of atrial tachycardia (sponsored by Johnson & Johnson LLC) <i>Karapet Davtyan (Moscow)</i>
11.40–12.00	Recurrence reasons and radiofrequency ablation tactics after thoracoscopic ablation for atrial fibrillation <i>Vitaly Lyashenko (Kaliningrad)</i>
12.00–12.20	Focal activity as a cause of recurrent catheter ablation for atrial fibrillation <i>Alexander Chapurnykh (Moscow)</i>
12.20–12.40	Are there additional reserves to increase the interventional treatment efficacy for atrial fibrillation <i>Grigory Kolunin (Tyumen)</i>
12.40–12.55	AF recurrence years after ablation. Is it the same disease? <i>Nigyar Gasymova (St. Petersburg)</i> <i>Evgeny Mikhailov (St. Petersburg)</i>
12.55–13.00	Discussion
<b>13.00–14.00</b>	<b>Break</b>

14.00–15.30

**SYMPOSIUM****LEFT BUNDLE BRANCH BLOCK — A DISEASE  
OR AN ELECTROPHYSIOLOGICAL PHENOMENON?****Chairs:****Elena Gupalo (Moscow)****Vadim Kuznetsov (Tyumen)****Tamara Lyubimtseva (St. Petersburg)**

14.00–14.15

Types of left bundle branch block and response to therapy  
*Tamara Lyubimtseva (St. Petersburg)*

14.15–14.30

Perfusion and myocardial metabolism in patients with left  
bundle branch block according to radionuclide diagnostic  
methods  
*Daria Ryzhkova (St. Petersburg)*

14.30–14.45

Correlation between mechanical patterns of left bundle branch  
block and superresponse to cardiac resynchronization therapy  
*Nikita Shirokov (Tyumen)*  
*Anna Soldatova (Tyumen)*  
*Vadim Kuznetsov (Tyumen)*  
*Victor Todosiychuk (Tyumen)*  
*Dmitry Krinochkin (Tyumen)*

14.45–15.00

Key elements of non-invasive mapping  
of the Left Bundle Branch  
*Stepan Zubarev (St. Petersburg)*

15.00–15.15

Left Bundle Branch Block — cause of cardiomyopathy  
or its complication  
*Elena Gupalo (Moscow)*

15.15–15.30

Discussion

**15.30–16.00****Break**

16.00–17.30

**PANEL DISCUSSION FOR IMPLANTABLE  
DEVICE MANUFACTURERS  
STRATEGIES TO MINIMIZE SHOCKS  
IN PATIENTS WITH ICD****Chairs:****Victoria Lebedeva (St. Petersburg)****Nikolay Neminuschy (Moscow)**

16.00–16.20

Contemporary expert guidelines for optimal ICD programming  
*Yanis Dumpis (St. Petersburg)*

16.20–16.35

Technologies for shocks minimization in Boston Scientific's  
ICDs and programming principles for primary and secondary  
prevention of SCD  
*Olga Kostyleva (Moscow)*

16.35–16:50

Technologies for shock minimization in Medtronic's ICDs  
and programming principles for primary and secondary  
prevention of SCD  
*Nikolay Neminuschy (Moscow)*

16:50–17.05

Technologies for shock minimization in MicroPort's ICDs  
and programming principles for primary and secondary  
prevention of SCD  
*Ekaterina Pervova (Moscow)*

17.05–17.20

Technologies for shock minimization in Biotronic's ICDs  
and programming principles for primary and secondary  
prevention of SCD  
*Nikoloz Lomidze (Moscow)*

17.20–17.30

Discussion

## STENBERG HALL (2)

09.00–10.45

**MASTER CLASS**  
**ECG IN PATIENTS WITH IMPLANTABLE**  
**ANTIARRHYTHMIC DEVICES**

**Chairs:**

Victoria Lebedeva (St. Petersburg)

Maxim Los (St. Petersburg)

Olga Kostyleva (Moscow)

Nikoloz Lomidze (Moscow)

09.00–09.30

ECG in patients with implantable cardiac pacemakers

Nigar Gasimova (St. Petersburg)

Maxim Los (St. Petersburg)

09.30–10.00

ECG in patients with implantable devices

Tatyana Malkina (Moscow)

Anna Krivaya (Perm)

10.00–10.30

ECG in patients with CRT devices

Nikoloz Lomidze (Moscow)

10.30–10.45

Discussion

10.45–11.00

**Break**

11.00–13.00

**MASTER CLASS**  
**PACEMAKER, ICD AND CRT PROGRAMMING**  
**PRINCIPLES TO IMPROVE LIFE QUALITY**  
**AND REDUCE CARDIOVASCULAR RISK**

**Chairs:**

Victoria Lebedeva (St. Petersburg)

Anna Sviridova (Moscow)

Maxim Los (St. Petersburg)

Denis Losik (Novosibirsk)

11.00–11.40

Expert's opinion: pacemaker and ICD programming - how and why we need to reduce right ventricular pacing percentage

Victoria Lebedeva (St. Petersburg)

11.40–12.10

ICD programming — how to reduce the number of interventions

Alexey Filippenko (Novosibirsk)

12.10–12.40

CRT programming — how to maximize the percentage of stimulation and when AV node ablation is needed

Tamara Lyubimtseva (St. Petersburg)

12.40–13.00

Discussion

13.00–14.00

**Break**

14.00–15.30

**SYMPOSIUM**  
**SPECIAL CONSIDERATIONS FOR REGIONAL CENTERS**  
**OF INTERVENTIONAL ARRHYTHMOLOGY**  
**IN THE CONTEXT OF THE COVID-19 PANDEMIC**

**Chairs:**

Vladimir Scherbenev (Perm)

Sergey Yuzvinkevich (St. Petersburg)

14.00–14.10

Cardiac pacing in the setting of a hospital reassigned to treat patients with COVID-19

Alexey Kosonogov (Nizhny Novgorod)

14.10–14.20

Providing uninterrupted interventional arrhythmological care in the context of the COVID-19 pandemic: the case of City Hospital No. 26

Sergey Yuzvinkevich (St. Petersburg)

14.20–14.30

Surgical treatment of bradyarrhythmias in a municipal arrhythmology center during the COVID-19 pandemic

Sergey Molodykh (Ekaterinburg)

14.30–14.40

Regulation of interventional treatment of cardiac arrhythmias in Perm clinical cardiology center in the context of the COVID-19 pandemic

Vladimir Scherbenev (Perm)

14.40–14:50

Interventional arrhythmology and COVID-19: questions and... answers? (Our experience in the treatment of COVID-19 patients (pacemakers, RFA, CRT, ICD)

Ilya Skigin (St. Petersburg)

14:50–15.00 Organization of arrhythmology care in Ryazan region in the context of the COVID-19 pandemic in 2020  
*Sergey Peshkov (Ryazan)*  
*Igor Shitov (Ryazan)*  
*Vladislav Povarov (Ryazan)*  
*Sergey Potekhinsky (Ryazan)*  
*Dmitry Solovov (Ryazan)*

15.00–15.30 Discussion

**15.30–16.00 Break**

**16.00–17.30 SYMPOSIUM**  
**HOW TO REDUCE THE RISK OF COMPLICATIONS AFTER THE IMPLANTATION OF ANTIARRHYTHMIC DEVICES?**

**Chairs:**

**Sergey Popov (Tomsk)**

**Alexander Vygovsky (Kaliningrad)**

**Alexey Kosonogov (Nizhny Novgorod)**

16.00–16.20 Sharing best practices - Implantable Electronic Devices. Prevention of infectious complications  
*Atila Michalz (Krems an der Donau, Austria)*

16.20–16.35 Pitfalls in the implantation of antiarrhythmic devices — possible problems and solutions  
*Konstantin Kosonogov (Nizhny Novgorod)*

16.35–16:50 Delayed tamponade after endovascular LAA occlusion. Hidden threats  
*Andrey Kalemberg (Moscow)*

16:50–17.05 A minimally invasive approach to cardiac perforation treatment after implantable device placement  
*Kirill Kozyrin (Kemerovo)*

17.05–17.15 Endocardial lead removal, the current problem state in Russia  
*Oleg Sapelnikov (Moscow)*  
 (sponsored by Cardiomedics/ Boston Scientific)

17.15–17.25 Atrial fibrillation interventional treatment complications in real clinical practice  
*Azamat Baimukanov (Moscow)*  
*Ilya Ilyich (Moscow)*  
*Sergey Termosesov (Moscow)*

17.25–17.30 Discussion

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## PIEMONTE HALL (1)

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**09.00–10.45 SYMPOSIUM**  
**ARRHYTHMIAS IN PREGNANCY**

**Chairs:**

**Natalia Lapshina (Samara)**

**Natalia Stepina (Donetsk)**

**Olga Irtyuga (St. Petersburg)**

09.00–09.30 Arrhythmogenesis during pregnancy: hormonal status and rationale for treatment methods  
*Svetlana Chernysheva (Moscow)*

09.30–09:50 Interventional treatment of cardiac rhythm disorders during pregnancy — what do current guidelines state?  
*Natalia Lapshina (Samara)*

09:50–10.05 Medication and interventional treatment for pregnant women with cardiac arrhythmias  
*Marina Dragunova (Tomsk)*

10.05–10.20 Ventricular rhythm disorders in pregnancy — to treat or not to treat?  
*Olga Irtyuga (St. Petersburg)*

10.20–10.35 Thromboembolic risks and the safety of anticoagulation in pregnant women with cardiac arrhythmias  
*Polina Zubkova (St. Petersburg)*

10.35–10.45 Discussion

**10.45–11.00 Break**



<b>11.00–13.00</b>	<b>SYMPOSIUM</b> <b>PHYSICAL EXERCISE AS THE MAIN TRIGGER OF ARRHYTHMOGENESIS</b>	<b>14.00–15.30</b>	<b>SYMPOSIUM</b> <b>SPORTS AND CARDIAC ARRHYTHMIAS</b>
	<b>Chairs:</b> <b>Amiran Revishvili (Moscow)</b> <b>Zurab Ordzhonikidze (Moscow)</b> <b>Victoria Badtieva (Moscow)</b> <b>Vladimir Pavlov (Moscow)</b>		<b>Chairs:</b> <b>Sergey Matveev (St. Petersburg)</b> <b>Alexander Tots (St. Petersburg)</b> <b>Alexander Popov (St. Petersburg)</b> <b>Tamara Lyubimtseva (St. Petersburg)</b>
11.00–11.20	Opening remarks — arrhythmias in athletes from the perspective of a cardiac surgeon-arrhythmologist <i>Amiran Revishvili (Moscow)</i>	14.00–14.15	Paradoxical embolism in sports and diagnostic methods <i>Kirill Malikov (St. Petersburg)</i>
11.20–11.40	Arrhythmias in athletes from the perspective of a sports team doctor <i>Zurab Ordzhonikidze (Moscow)</i> <i>Alexander Rezepov (Tula)</i>	14.15–14.30	Stress tests in sports cardiology <i>Sergey Popov (St. Petersburg)</i>
11.40–11.55	Clinical and electrophysiological "masks" of heart rhythm disorders in athletes <i>Vladimir Pavlov (Moscow)</i>	14.30–14.45	Drug support in sports: the reverse of the coin? <i>Sergey Matveev (St. Petersburg)</i>
11.55–12.10	Arrhythmias and doping <i>Victoria Badtieva (Moscow)</i>	14.45–15.00	ECG features in athletes <i>Igor Kolos (Moscow)</i>
12.10–12.25	Morphological substrate of arrhythmia in pathological transformation of the heart in sportsmen <i>Yulia Ivanova (Moscow)</i>	15.00–15.15	High risk of sudden arrhythmic death: how to identify it on the ECG? <i>Tamara Lyubimtseva (St. Petersburg)</i>
12.25–12.35	Varieties and classification of physical exercise as a trigger of arrhythmogenesis <i>Vadim Deev (Moscow)</i>	15.15–15.25	Inside the sport: yesterday, nowadays, future <i>Nikolay Kharitonov (St. Petersburg)</i>
12.35–12.45	Arrhythmias in athletic children and adolescents <i>Natalia Leonova (Moscow)</i>	15.25–15.30	Discussion
12.45–12.55	Arrhythmias in athletes in the regions of the Russian Federation (a case of the Nizhny Novgorod region) <i>Irina Minyukhina (Nizhny Novgorod)</i>	<b>15.30–16.00</b>	<b>Break</b>
12.55–13.00	Discussion	<b>16.00–17.30</b>	<b>SYMPOSIUM</b> <b>SPORTS CARDIOLOGY AND ARRHYTHMOLOGY</b>
<b>13.00–14.00</b>	<b>Break</b>		<b>Chairs:</b> <b>Sergey Bondarev (Moscow)</b> <b>Andrey Smolensky (Moscow)</b> <b>Valentin Sinitsyn (Moscow)</b> <b>Victor Fedorets (St. Petersburg)</b>
		16.00–16.10	Clinical and functional characteristics of athletes with arrhythmic overload of cardiovascular system <i>Andrey Smolensky (Moscow)</i> <i>Anastasia Mikhailova (Moscow)</i>

16.10–16.20	Difficulties in cardiac rhythm disorders differential diagnosis in athletes <i>Sergey Bondarev (Moscow)</i>	09.10–09.20	Epicardial RFA in patients with ischemic VT <i>Ksenia Simonova (St. Petersburg)</i>
16.20–16.30	Tomographic methods in identifying arrhythmia causes related to sports <i>Valentin Sinitsyn (Moscow)</i>	09.20–09.35	Case study from real clinical practice. Robotic magnetic navigation for VT treatment <i>Alexander Romanov (Novosibirsk)</i>
16.30–16.40	Cardiac arrhythmias in athletes from the perspectives of cardiologist and clinical pharmacologist <i>Andrey Spassky (Moscow)</i>	09.35–09.45	Electric storm <i>Andrey Osadchiy (St. Petersburg)</i>
16.40–16:50	Clinical and electrocardiographic features in young athletes <i>Olga Mamaeva (St. Petersburg)</i> <i>Natalia Pavlova (St. Petersburg)</i> <i>Sergey Scherbak (St. Petersburg)</i>	09.45–10.00	Ventricular arrhythmias and sudden cardiac death: search for substrate and triggers <i>Elena Gupalo (Moscow)</i>
16:50–17.00	Proarrhythmogenic predictors for COVID-19 in sports medicine <i>Andrey Kalinin (St. Petersburg)</i> <i>Victor Fedorets (St. Petersburg)</i> <i>Mikhail Lobanov (St. Petersburg)</i>	10.00–10.15	PVC / VT interventional treatment. Indications, efficacy <i>Andrey Ivanchenko (Kaliningrad)</i>
17.00–17.10	Cardiac rhythm disorders in highly qualified female strength athletes. Possible causes and management <i>Victor Smirnov (St. Petersburg)</i>	10.15–10.30	Validating the accuracy of identifying the target of catheter ablation in patients with slow ventricular tachycardia based on non-invasive mapping data <i>Amiran Revishvili (Moscow)</i> <i>Elena Artyukhina (Moscow)</i> <i>Elizaveta Dedukh (Moscow)</i> <i>Maxim Yashkov (Moscow)</i> <i>Irina Taimasova (Moscow)</i>
17.10–17.20	Training and competition admission for elite athletes with heart rhythm disorders. Experience in non-standard solutions <i>Vladimir Pavlov (Moscow)</i> <i>Zurab Ordzhonikidze (Moscow)</i>	10.30–10.45	Discussion
17.20–17.30	Discussion	<b>10.45–11.00</b>	<b>Break</b>

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## PIEMONTE HALL (2)

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09.00–10.45

**SYMPOSIUM  
VENTRICULAR TACHYCARDIA.  
FROM DIAGNOSIS TO ABLATION**

**Chairs:**

**Andrey Ivanchenko (Kaliningrad)**  
**Alexander Romanov (Novosibirsk)**  
**Roman Tatarsky (St. Petersburg)**

09.00–09.10

Outpatient PVC / VT management. Comparing approach in Germany and the Russian Federation  
*Elena Efimova (Leipzig, Germany)*  
*Yuri Mareev (Moscow)*

11.00–13.00

**SYMPOSIUM ON THE CONTINUUM  
OF ARRHYTHMOLOGICAL MANIFESTATIONS  
BEFORE AND AFTER HT**

**Chairs:**

**Maria Sitnikova (St. Petersburg)**  
**Sergey Mamchur (Kemerovo)**  
**Anatoly Nechepurenko (Astrakhan)**

11.00–11.20

Treatment approaches to heart rhythm disorders in patients with CHF on heart transplant waiting list  
*Pyotr Fedotov (St. Petersburg)*

11.20–11.40	Electrotherapy in the treatment of rhythm and conduction disorders in patients on heart transplant waiting list <i>Victoria Lebedeva (St. Petersburg)</i> <i>Tamara Lyubimtseva (St. Petersburg)</i>	14.25–14.40	Sudden cardiac death electrocardiographic predictors <i>Kristina Metso (St. Petersburg)</i> <i>Victor Nikiforov (St. Petersburg)</i>
11.40–12.00	Arrhythmological complications after heart transplantation: similarities and differences <i>Maria Simonenko (St. Petersburg)</i>	14.40–14:50	The incidence of myocardial fibrosis in acromegaly patients with heart rhythm and conduction disorders <i>Konstantin Melkozerov (St. Petersburg)</i> <i>Elena Przhivalkovskaya (St. Petersburg)</i> <i>Natalya Tarbaeva (St. Petersburg)</i> <i>Alina Almaskhanova (St. Petersburg)</i> <i>Maria Kuklina (St. Petersburg)</i> <i>Polina Alferova (St. Petersburg)</i> <i>Irina Gomova (St. Petersburg)</i> <i>Leonid Belousov (St. Petersburg)</i> <i>Victor Kalashnikov (St. Petersburg)</i> <i>Zhanna Belaya (St. Petersburg)</i> <i>Natalia Mokrysheva (St. Petersburg)</i>
12.00–12.20	Treatment of tachyarrhythmias in patients with CHF <i>Anatoly Nechepurenko (Astrakhan)</i>		
12.20–12.40	Cardiac contractility modulation in patients with CHF <i>Sergey Mamchur (Kemerovo)</i>		
12.40–13.00	Discussion		
<b>13.00–14.00</b>	<b>Break</b>		
<b>14.00–15.30</b>	<b>SYMPOSIUM</b> <b>ELECTROCARDIOLOGY AND FUNCTIONAL TESTS</b> <b>IN ARRHYTHMOLOGY</b>  <b>Chairs:</b> <b>Victor Nikiforov (St. Petersburg)</b> <b>Sergey Sayganov (St. Petersburg)</b> <b>Sergey Novichkov (Moscow)</b>	14:50–15.00	Clinical and functional characteristics in athletes with arrhythmic overload of cardiovascular system <i>Anastasia Mikhailova (Moscow)</i> <i>Andrey Smolensky (Moscow)</i>
		15.00–15.10	Sinus rhythm stability during exercises <i>Andrey Pokhachevsky (Moscow)</i> <i>Mikhail Lapkin (Moscow)</i> <i>Alexey Umryukhin (Moscow)</i>
14.00–14.15	Topical issues of cardiovascular imaging for arrhythmogenic cardiomyopathy <i>Victor Nikiforov (St. Petersburg)</i>	15.10–15.20	Role of Holter monitoring for pacing algorithm analysis <i>Veronika Basova (St. Petersburg)</i> <i>Pavel Krasnoperov (St. Petersburg)</i> <i>Anastasia Kuzmina-Krutetskaya (St. Petersburg)</i>
14.15–14.25	Long QT interval manifested in the first complex after a premature ventricular contraction as a marker of severe electrical myocardium instability <i>Oksana Kononenko (Novosibirsk)</i> <i>Sergey Zenin (Novosibirsk)</i> <i>Artem Fedoseenko (Novosibirsk)</i> <i>Olga Pyataeva (Novosibirsk)</i> <i>Ignat Felikov (Novosibirsk)</i>	15.20–15.30	Discussion
		<b>15.30–16.00</b>	<b>Break</b>

## LEVINSON FOYER

### HALL OF E-POSTER PRESENTATIONS

#### 09.00–10.45 SESSION OF E-POSTERS NEW ADVANCES IN HEART FAILURE TREATMENT AND CARDIAC RESYNCHRONIZATION THERAPY

##### Chairs:

**Sergey Korolev (Moscow)**

**Ilya Skigin (St. Petersburg)**

Associations of 24-hour heart rate indicators analysis with the level of pentraxin-3 in patients with chronic heart failure and rheumatoid arthritis

*Andrey Ankudinov (Irkutsk)*

Predicting value of ST-2 and galectin-3 in the risk stratification of ventricular tachyarrhythmias in patients with ischemic cardiomyopathy

*Tariel Atabekov (Tomsk)*

*Roman Batalov (Tomsk)*

*Sergey Krivolapov (Tomsk)*

*Mikhail Khlynin (Tomsk)*

*Sergey Popov (Tomsk)*

Phenotypes of left ventricular contraction dynamics in patients with chronic heart failure

*Roman Rokeakh (Ekaterinburg)*

*Tatiana Chumarnaya (Ekaterinburg)*

*Konstantin Ushenin (Ekaterinburg)*

*Eduard Idov (Ekaterinburg)*

*Olga Solovyova (Ekaterinburg)*

Sympathetic and parasympathetic autonomic nervous system activation in atrial fibrillation patients with heart failure and intermediate left ventricular ejection fraction

*Elizaveta Skorodumova (St. Petersburg)*

*Victor Kostenko (St. Petersburg)*

*Elena Skorodumova (St. Petersburg)*

*Anna Siverina (St. Petersburg)*

*Alexander Rysev (St. Petersburg)*

Ventricular tachyarrhythmias in patients with ischemic and non-ischemic cardiomyopathy: occurrence rate and possible clinical risk predictors

*Olesya Palnikova (Astrakhan)*

*Nikolay Ilov (Astrakhan)*

*Anatoly Nechepurenko (Astrakhan)*

Cardiac contractility modulation impact on global and segmental left ventricle deformation in patients with chronic heart failure

*Sergey Mamchur (Kemerovo)*

*Irina Mamchur (Kemerovo)*

*Ilya Ryabov (Kemerovo)*

*Tatiana Chichkova (Kemerovo)*

*Irina Sizova (Kemerovo)*

*Egor Khomenko (Kemerovo)*

*Nikita Bokhan (Kemerovo)*

*Oleg Chistyukhin (Kemerovo)*

**10.45–11.00 Break**

#### 11.00–13.00 SESSION OF E-POSTERS VENTRICULAR ARRHYTHMIAS AND SUDDEN CARDIAC DEATH

##### Chairs:

**Roman Batalov (Tomsk)**

**Maxim Didenko (St. Petersburg)**

Ventricular extrasystoles in patients with aortic stenosis before and after transcatheter aortic valve implantation (three-year follow-up)

*Alexey Sizov (St. Petersburg)*

*Evgeny Shloydo (St. Petersburg)*

*Victoria Zvereva (St. Petersburg)*

*Alexey Sergeev (St. Petersburg)*

*V.E. Zverev (St. Petersburg)*

Ventricular extrasystoles in patients with chronic heart failure

*Zulfiya Shoalimova (Tashkent, Uzbekistan)*

*U.J. Nizametdinova (Tashkent, Uzbekistan)*

*A.A. Basitxanov (Tashkent, Uzbekistan)*

Electrical cardioversion efficacy in emergency medical care for life-threatening arrhythmias

*Dilyara Zinatullina (Ufa)*

*Inna Trukhanova (Ufa)*

*Sania Sadreeva (Samara)*

Electrical remodeling and heart rhythm disorders in patients with essential arterial hypertension

*Bahram Iskenderov (Penza)*

Biomarker galectin-3 as a predictor for motivated cardioverter-defibrillator interventions in patients with coronary artery disease and left ventricular dysfunction

*Anna Gusakova (Tomsk)*

*Tariel Atabekov (Tomsk)*

*Tatiana Suslova (Tomsk)*

*Roman Batalov (Tomsk)*

Noninvasive assessment of risk factors for postinfarction electric myocardial instability in patients with preserved left ventricular ejection fraction and indications for percutaneous coronary intervention

*Amayak Kevorkov (Tashkent, Uzbekistan)*

*Ergashali Tursunov (Tashkent, Uzbekistan)*

*Alisher Rasulov (Tashkent, Uzbekistan)*

**13.00–14.00 Break**

**14.00–15.30**

**SESSION OF E-POSTERS  
TOPICAL ISSUES OF CARDIAC  
ANATOMY AND ELECTROPHYSIOLOGY**

**Chairs:**

**Vladimir Scherbenev (Perm)**

**Grigory Gromyko (Moscow)**

Effect of left atrial appendage resection on the risk of postoperative stroke in patients with atrial fibrillation

*Daniil Volkov (Krasnoyarsk)*

*Dmitry Gorbunov*

*Alena Anokhina (Krasnoyarsk)*

*Elena Shulga (Krasnoyarsk)*

*Valery Sakovich (Krasnoyarsk)*

Combination of paroxysmal atrial fibrillation and coronary artery disease — is there a difference in life quality with different methods of treatment?

*Alexander Kozlov (Penza)*

*Sergey Durmanov (Penza)*

*Artur Glumskov (Penza)*

*Vadim Karnakhin (Penza)*

*Natalia Makarova (Penza)*

*Oksana Popylkova (Penza)*

*Vladlen Bazylev (Penza)*

The use of axillary vein access for the implantation of endocardial leads of antiarrhythmic devices, mid-term outcomes

*Sergey Molodykh (Ekaterinburg, Perm, Moscow)*

*Eduard Idov (Ekaterinburg, Perm, Moscow)*

*Nikolay Neminuschy (Ekaterinburg, Perm, Moscow)*

*Artem Potapov (Ekaterinburg, Perm, Moscow)*

*Victor Protopopov (Ekaterinburg, Perm, Moscow)*

*Ekaterina Leschenko (Ekaterinburg, Perm, Moscow)*

Dependence of the diameter of the intrapericardial part of the superior vena cava on the presence of Marshall ligament as a derivative of the congenital left superior vena cava

*Egor Moskalev (St. Petersburg)*

*Tatiana Varyasina (St. Petersburg)*

Current possibilities of recanalization of access vein occlusions in patients with antiarrhythmic devices

*Sergey Aivazyan (Nizhny Novgorod)*

*Anastasia Palagina (Nizhny Novgorod)*

*Konstantin Gorshenin (Nizhny Novgorod)*

*Svetlana Buslaeva (Nizhny Novgorod)*

*Andrey Seregin (Nizhny Novgorod)*

The use of temporary cardiac pacing through the coronary conductor for percutaneous intervention on the coronary arteries

*Sergey Kozlov (Ekaterinburg)*

*Sergey Molodykh (Ekaterinburg)*

*Vladimir Dmitriev (Ekaterinburg)*

*Evgeny Borodenko (Ekaterinburg)*

*Artem Yurinov (Ekaterinburg)*

Relationship between the recurrence in the “blind period” of cryoballoon isolation of PV ostia and the prognosis of rhythm control effectiveness

*Akop Brutyan (Moscow)*

*Karapet Davtyan (Moscow)*

*Georgy Simonyan (Moscow)*

*Arpi Topchyan (Moscow)*

*Ivan Chugunov (Moscow)*

*Andrey Kalemberg (Moscow)*

Our experience in surgical treatment of infectious electrode endocarditis with simultaneous repair of tricuspid valve insufficiency

*Kvasha B.I. (Moscow)*

*Serguladze S.Yu. (Moscow)*

*Novikov A.V. (Moscow)*





## **CONGRESS VENUE**

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