

TUESDAY, MAY 24, 2016

E-Poster

**ZONE A** (Hall «Ivanitsky»):

**10.00 – 11.30 – HISTORY OF CARDIOVASCULAR SURGERY**

**11.45 – 15.45 – SYMPOSIUM «OPERATIONS IN CARDIAC SURGERY: HISTORY LESSONS»** (Conference of young researchers)

**ZONE B:**

**14.15 – 15.45 – HEART DISEASES AND CARDIOPATHIES;**

**– RARE CASES OF CARDIOVASCULAR DISEASES**

**16.00 – 17.30 – CURRENT ASPECTS OF EchoCG EVALUATION OF VENTRICULAR SYSTOLIC AND DIASTOLIC FUNCTIONS IN PATIENTS UNDERGOING HEART SURGERY**

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**Hall «PETROSSIAN» (№ 7)**

**10.00 – 17.00**

❖ **ORPHEUS SIMULATOR-BASED TRAINING IN PERFUSION**  
*Lynn Verkaemst (Belgium), Timothy J. Jones (Great Britain)*

**TUESDAY, MAY 24, 2016**

**Hall «BAKOULEV» (№ 1)**

**9.00-9.45**

**PLENARY SESSION**

**RAMS Academician Bourakovsky Memorial Lecture**

Chairman: L.A. Bockeria (Moscow)

**Gilles Dreyfus (Cardiothoracic Centre, Monaco)**

**Mitral valve repair the sixth decade; are there still remaining challenges**

**9.45-10.00**

**Break**

**14.15-15.45**

**ROUND TABLE**

**«SURGICAL TREATMENT OF PATIENTS WITH IHD AND DIABETES MELLITUS»**

(organizer - section of the RACVS "Ischemic Heart Disease")

Chairmen: Yu.A. Shneider (Kaliningrad), I.Yu. Sigaev (Moscow)

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|----|---|---------|
| 1. | Barbarash O.L. (Kemerovo)<br>Surgical treatment of IHD in patients with diabetes mellitus (the viewpoint of a cardiologist)       | 15 min. |
| 2. | Alekyan B.G. (Moscow)<br>Surgical treatment of IHD in patients with diabetes mellitus (the viewpoint of an endovascular surgeon)  | 15 min. |
| 3. | Sigaev I.Yu. (Moscow)<br>Surgical treatment of IHD in patients with diabetes mellitus (the viewpoint of a cardiac surgeon)        | 15 min. |
| 4. | Shneider Yu.A. (Kaliningrad)<br>Surgical treatment of IHD in patients with diabetes mellitus (the viewpoint of a cardiac surgeon) | 15 min. |
| 5. | Lobacheva G.V. (Moscow)<br>Surgical treatment of IHD in patients with diabetes mellitus (the viewpoint of <i>an intensivist</i> ) | 15 min. |

***Discussion***

**15.45-16.00**

**Break**

**16.00-17.30**

**CONFERENCE**

**«CAVA-FILTERS – THE PRESENT AND THE FUTURE »**

(organizer - section of the RACVS "Phlebology and Lymphology")

Moderators: A.I. Kirienko (Moscow), S.I. Priadko (Moscow)

1. Khorev N.G., Beller A.V., Boyarkov M.V., Zaytsev S.V., Shoykhet Ya.N.(Barnaul, Russia) 12 min.  
Current trends in cava-filters implantation.
2. Zagarov S.S., Larkov R.N., Sotnikov P.G., Kolesnikov Yu. Yu., Lazarev R.A., Shilov R.V., Vulf V.V. (Moscow, Russia) 12 min.  
Results of cava-filters use in ileofemoral thrombosis.
3. Kalinin R.E., Suchkov I.A., Pshennikov A.S., Mjavanadze N.D., Klimentova E.A., Povarov V.O. (Riazan, Russia) 12 min.  
15-year experience with cava-filters.
4. Melnichenko A. Yu., Matiushkin A.V.(Moscow, Russia) 12 min.  
Thrombectomy in the treatment of patients with floating thrombi of the veins of the ileofemoral segment.
5. Leontiev S.G., Seliverstov E.I., Mamadumarov V.A. (Moscow, Russia) 12 min.  
Anticoagulation therapy for venous thromboembolic complications: the past and the present.
6. Priadko S.I., Bockeria L.A., Gorbachevsky S.V., Arakelian V.S., Malinin A.A., Sergueev S. Yu., Djabaeva M.S., Sokolskaya M.A.(Moscow, Russia) 12 min.  
Reality and perspectives of open surgical interventions for the prevention and the management of venous thromboses, pulmonary thromboembolism and consequences of cava-filter implantation.
7. Edemsky A.G., Cherniavsky A.M., Cherniavsky M.A., Novikova N.V., Tarkova A.R., Kliver E.N., Ivanov S.N. (Novosibirsk, Russia) 12 min.  
Five-year results of surgical treatment for chronic thromboembolic pulmonary hypertension.

### ***Discussion***

**17.30-17.45**

**Break**

**17.45**

**PLENARY SESSION**

***SUMMARIZING THE COMPETITION OF YOUNG RESEARCHERS' WORKS  
CLOSING CEREMONY***

**TUESDAY, MAY 24, 2016**

**Hall «BOURAKOVSKY» (№ 2)**

**10.00-11.30**

**SESSION OF THE SECTION OF THE RACVS  
«CARDIOLOGY AND VISUALIZATION IN CARDIAC SURGERY»  
(Competition of young researchers' works)**

**Competition committee:** B.G. Alekyan (Moscow)  
A.R. Bogdanov (Moscow)  
O.L. Barbarash (Kemerovo)  
O.L. Bockeria (Moscow)  
E.Z. Golukhova (Moscow)  
I.V. Kluchnikov (Moscow)  
V.N. Makarenko (Moscow)  
T.G. Nikitina (Moscow)

1. Mkrtychian B.T. (Moscow, Russia) 7 min.  
PCI in patients with recurrent angina after CABG.
2. Sokolova N.Yu. (Moscow, Tver, Russia) 7 min.  
Anatomical and clinical characteristics for the prediction of early and late results of coronary bypass grafting in patients with stable ischemic heart disease.
3. Riabinina M.N. (Moscow, Russia) 7 min.  
High platelet reactivity: its determinant, prognostic value and dynamics in perioperative period and in the long-term after PCI.
4. Zholbaeva A.Z. (Moscow, Russia) 7 min.  
Molecular and genetical markers of atrial fibrillation.
5. Kodzova M.M. (Moscow, Russia) 7 min.  
CT evaluation of the frequency of left atrial anatomical particularities in patients with atrial fibrillation.
6. Tabina A.E. (Moscow, Russia) 7 min.  
Predictors of sinus rhythm maintenance in the long-term after the operation of radio frequency venous ablation in patients with paroxysmal form of atrial fibrillation and normally sized left atrium.
7. Arakelian M.G. (Moscow, Russia) 7 min.  
Current conceptions of the diagnosis of pulmonary hypertension (on the basis of ESC guidelines for the diagnosis and management of LH, 2015.).
8. Lifanova L.S. (Moscow, Russia) 7 min.  
Metabolic syndrome as a chronic inflammatory process.
9. Zaletova T.S. (Moscow, Russia) 7 min.  
Principles of dietary therapy for the patients with chronic heart failure and 3<sup>rd</sup> degree obesity.

**Discussion**

**11.30-11.45  
Break**

**11.45-13.15  
SESSION**

**«THRILLING CARDIOLOGY-RELATED PROBLEMS IN CARDIAC SURGERY»**

Chairmen: O.L. Barbarash (Kemerovo), T.G. Nikitina (Moscow), E.Z. Golukhova (Moscow)

1. Dombrovsky M.M., Bockeria L.A., Alekyan B.G., Nikitina T.G., Samsonova N.N., Petrossian K.V., Abrosimov A.V. (Moscow, Russia) 8 min.  
Long-term results and safe regimes of disagregant therapy after percutaneous coronary intervention in patients with cancer.
2. Fanaskova E.V., Gruzdeva O.V., Akbasheva O.E., Tiutrin I.I., Penskaya T.Yu., Uchasova E.G., Plotnikov G.P., Barbarash O.L.(Kemerovo, Russia) 8 min.  
Low-frequency piezo-thromboelastography in complex evaluation of hemostasis during the operations of coronary bypass grafting in the settings of long-standing aspirin intake.
3. Shafranskaya K.S., Kuzmina O.K., Kashtalap V.V., Barbarash O.L. (Kemerovo, Russia) 8 min.  
Role of interleukin -18 in the evaluation of early hospital prognosis of patients with ischemic heart disease after CABG with extracorporeal circulation.
4. Fedorova N.V., Kashtalap V.V., Polikutina O.M., Khriachkova O.N., Barbarash O.L. (Kemerovo, Russia) 8 min.  
Galectin-3 in the formation of postinfarction remodeling of left myocardium in patients with myocardial infarction.
5. Djanketova V.S., Mashina T.V., Shamsiev G.A., Mrikaev D.V., Golukhova E.Z. (Moscow, Russia) 8 min.  
Use of intraoperative transoesophageal 3D EchoCG for the determination of unfavorable prognostic parameners of reconstructive interventions on the mitral valve.
6. Kabisova A.K., Shumilina M.V., Golukhova E.Z. (Moscow, Russia) 8 min.  
Cognitive disturbances and systemic embolism in patients with various forms of atrial fibrillation.
7. Gromova O.I., Zholbaeva A.Z., Bulaeva N.I., Tabina A.E., Golukhova E.Z. (Moscow, Russia) 8 min.  
Prognostic value of the degree of left atrial fibrosis in patients with atrial fibrillation.
8. Shomakhov R.A., Golukhova E.Z., Makarenko V.N., Alexandrova S.A., Bockeria L.A. (Moscow, Russia) 8 min.  
MRT- evaluation of the areas of late gadolinium accumulation as a marker of arrhythmic events in patients with non-coronarogenous ventricular arrhythmias.
9. Goriacheva T.S., Bockeria L.A., Bockeria O.L., Koasari A.K. (Moscow, Russia) 8 min.  
Evaluation of erectile function before and after aortoconrary bypass grafting.

### ***Discussion***

**13.15-14.15**

**Break**

**14.15-15.45**

***SYMPOSIUM***

**«CURRENT METHODS OF DIAGNOSIS OF MYOCARDIAL FUNCTIONAL CONDITION AND THE EFFECTIVENESS OF STEM CELLS THERAPY»**

Chairmen: E.Z. Golukhova (Moscow), V.N. Makarenko (Moscow), I.P. Aslanidi (Moscow)

1. Makarenko V.N. (Moscow, Russia) 15 min.  
Computed tomography.
2. Aslanidi I.P., Trifonova T.A. (Moscow, Russia) 15 min.  
Positron emission tomography and scintigraphy.
3. Bockeria O.L., Mironenko M.Yu., Djaylobaeva G.M. (Moscow, Russia) 15 min.  
Contrast-enhanced stress EchoCG
4. Makarenko V.N. (Moscow, Russia) 15 min.  
Oshinsky D. (Atlanta, USA) – on-line moderator  
Magnetic resonance tomography

### ***Discussion***

**15.45-16.00**

**Break**

**16.00-17.30**

**ROUND TABLE**

**«TYPES OF CELLS AND METHODS OF THEIR DELIVERY:  
A GLANCE IN THE 21<sup>ST</sup> CENTURY»**

Chairmen: L.A. Bockeria (Moscow), O.L. Bockeria (Moscow), M.V. Ereemeeva (Moscow)

1. Cherian K.M., Balasundari Ramesh (Chennai, India) 15 min.  
Autologous cell cardiomyoplasty: dynamic cell regeneration of the heart.
2. Ereemeeva M.V. (Moscow, Russia) 15 min.  
Methods of stem cells isolation and evaluation of their viability – experience of Bakoulev Scientific Center for Cardiovascular Surgery.  
Deev R.V. (Moscow, Russia) 15 min.  
Gene and cell technology in cardiovascular diseases.

**Discussion**

**ROUND TABLE**

**«ALTERNATIVE METHODS OF TREATMENT IN CARDIOVASCULAR SURGERY»**

Chairmen: L.A. Bockeria (Moscow), O.L. Bockeria (Moscow), V.S. Arakelian (Moscow)

1. Bockeria L.A., Bockeria O.L., Donakanian S.A., Biniashvili M.B. (Moscow, Russia) 10 min.  
Use of autologous stem cells in the treatment of patients with diffuse coronary arterial lesions.
2. Cherian K.M., Madhy Sankar N. (Chennai, India) 10 min.  
TMLR in India.
3. Bockeria L.A., Bockeria O.L., Donakanian S.A., Biniashvili M.B. (Moscow, Russia) 10 min.  
Allen K.B., Guillermo R. (Indiana, USA; Madrid, Spain) – on-line moderators  
Combined use of stem cells and laser myocardial revascularization – state of the art and our experience.  
Arakelian V.S., Demidova O.A. (Moscow, Russia) 10 min.  
Use of stem cells in the treatment of critical ischemia of the lower limb.
4. **Discussion**

**17.30-17.45**

**Break**

**17.45**

**PLENARY SESSION (Hall «BAKOULEV» (№ 1)**

**SUMMARIZING THE COMPETITION OF YOUNG RESEARCHERS' WORKS**

**CLOSING CEREMONY**

**TUESDAY, MAY 24, 2016**

**Hall «BOUKHARIN» (№ 3)**

**10.00-11.30**

**ROUND TABLE**

**«PREOPERATIVE PREPARATION OF PATIENTS  
UNDERGOING HEART SURGERY»**

Chairmen: O.L. Bockeria (Moscow), T.T. Kakuchaya (Moscow), I.V. Kliuchnikov (Moscow)

1. Rybka M.M. (Moscow) 12 min.  
Preoperative anesthesiological evaluation – the key link in perioperative care of a patient undergoing heart surgery.
2. Averina I.I. (Moscow) 12 min.  
Algorithm of examination of adult patients undergoing heart surgery.
3. Tsiskaridze I.M. (Moscow) 12 min.  
Particularities of preoperative preparation of patients with valvular pathology.
4. Biniashvili M.B. (Moscow) 12 min.  
Comparative analysis of surgical risk stratification in patients undergoing heart surgery.
5. Astrakhantseva T.O. (Moscow) 12 min.  
Particularities of preoperative preparation of children and adults with congenital heart diseases.
6. Dudakov V.A., Selivanenko V.T., Shatokhina S.N. (Moscow, Russia) 7 min.  
Potential of modern antibacterial therapy during preoperative preparation of patients with valvular infective endocarditis.
7. Rivniak M.I., Koloskova N.N., Mironenko V.A., Plushch M.G., Gorbenko I.Yu., Kupriashov A.A. (Moscow, Russia) 7 min.  
Hemodilution and iron metabolism in the pathogenesis of CI-associated anemia.
8. Amanov A.A., Mukhtarov S.S., Matanov R.M., Pulatov L.A. (Tashkent, Uzbekistan) 7 min.  
Use of FDP (fructose-1,6-diphosphate) in patients with acquired heart diseases with low left ventricular ejection fraction.

***Discussion***

**11.30-11.45**

**Break**

**11.45-13.15**

**SYMPOSIUM**

**«CURRENT ASPECTS OF EchoCG EVALUATION OF SYSTOLIC AND DIASTOLIC  
VENTRICULAR FUNCTION IN PATIENTS UNDERGOING HEART SURGERY»**

Chairmen: V.A. Sandrikov (Moscow), M.N. Aliokhin (Moscow), V.V. Plakhova (Moscow)

1. Aliokhin M.N. 20 min.  
Crisis of Doppler diastologgia or the search of new methods for non-invasive evaluation of diastolic heart function.
2. Baryshnikova I.Yu., Kupriashov A.A., Plushch M.G., Plakhova V.V. (Moscow, Russia) 10 min.

- Diastolic ventricular function in children with tetralogy of Fallot: ultrasonographic and biochemical correlations.
3. Arkhipov O.G., Sumin A.N. (Myski, Kemerovo, Russia) 10 min.  
Factors influencing the development of diastolic right ventricular function in patients with ischemic heart disease.
  4. Bockeria O.L., Le T.G., Satiukova A.S., Glushko L.A., Shwartz V.A., Mamporia K.B., Bockeria L.A. (Moscow, Russia) 10 min.  
Analysis of energetical effectiveness of myocardial areas in patients with ischemic heart disease.
  5. Kulaguina T.Yu., Sandrikov V.A., Abugov S.A., Poliakov R.S. (Moscow, Russia) 10 min.  
Diagnostic algorithm for the evaluation of the dysfunction of left ventricular myocardium.
  6. Averina I.I., Bockeria O.L., Alexandrova S.A., Kislitsina O.N. (Moscow, Russia) 10 min.  
Influence of myocardial fibrosis on remodeling, left and right ventricular function and prognosis in patients with acquired heart diseases, as judged by magnetic resonance tomography with heart opacification and 2 D Speckletracking.

### ***Discussion***

**13.15-14.15  
Break**

**14.15-15.45  
ROUND TABLE**

### **«MODERN APPROACHES TO THE MANAGEMENT OF EARLY CNS-RELATED POSTOPERATIVE COMPLICATIONS IN PATIENTS AFTER HEART SURGERY»**

Chairmen: A.A. Eremenko (Moscow), M.M. Rybka (Moscow), A.V. Vanichkin (Moscow)

1. Vanichkin A.V. (Moscow, Russia) 20 min.  
Typical syndromes of nervous system lesions in cardiac surgery.
  2. Lobacheva G.V. (Moscow, Russia) 15 min.  
Therapeutic approaches to the management of early postoperative neurological complications in patients undergoing heart surgery.
  3. Gorokhovatsky Yu.I. (Moscow, Russia) 20 min.  
Neuroprotection using dexmedetomidine in patients undergoing heart surgery.
  4. Eremenko A.A. (Moscow, Russia) 20 min.  
Postoperative delirium in patients undergoing heart surgery.
- Discussion*** 10 min.

**15.45-16.00  
Break**

**16.00-17.30  
SYMPOSIUM**

### **«DISTURBANCES OF HOMEOSTATIC SYSTEM IN SEPSIS AND MULTI-ORGAN FAILURE IN PATIENTS UNDERGOING HEART SURGERY »**

Chairmen: N.N. Samsonova (Moscow), D.A. Popov (Moscow)

1. Popov D.A. (Moscow) 15 min.  
Problem of sepsis in cardiac surgery.
2. Roytman E.V. (Moscow) 15 min.

Hemostasis in sepsis and multi-organ failure.

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|----|--|---------|
| 3. | Shulutko E.M. (Moscow)<br>Modern methods for the evaluation of hemostatic system in critical conditions. | 15 min. |
| 4. | Klimovich L.G. (Moscow)<br>Thrombocytopenia in sepsis and multi-organ failure.                           | 15 min. |
| 5. | Rogalskaya E.A. (Moscow)<br>Diagnosis of blood clotting system in systemic inflammation.                 | 15 min. |

***Discussion***

**17.30-17.45  
Break**

**17.45**

**PLENARY SESSION (Hall «BAKOULEV» (№ 1)  
SUMMARIZING THE COMPETITION OF YOUNG RESEARCHERS' WORKS  
CLOSING CEREMONY**

**TUESDAY, MAY 24, 2016**

**Hall «SPIRIDONOV» (№ 4)**

**ROUND TABLE**

**«AV VALVES REPLACEMENT IN CHILDREN:  
A CONSCIENTIOUS STEP OR A FORCED NECESSITY ?»**

Chairmen: K.V. Shatalov (Moscow), A.E. Chernogrivov (Penza)

1. Vasilevskaya I.V., Shatalov K.V., Arnautova I.V., Timchenko L.I., Nikitin E.S., Plakhova V.V., Zotov D.V., Gusarova Yu.V. (Moscow, Russia) 10 min.  
14-year experience with AV replacement in infancy.
2. Selivanenko V.T., Zaynetdinov E.M., Martakov M.A., Prokhorov A.A., Babokin V.E., Popov M.A., Pronina V.P. (Moscow, Russia) 10 min.  
AV replacement or reconstructive surgery in the correction of incomplete form of AV communication. Role of hemodynamic monitoring.
3. Saidov M.A., Podzolkov V.P., Chiaureli M.R., Sabirov B.N., Yurlov I.A., Danilov T. Yu., Abdykalykov A.A. (Moscow, Russia) 10 min.  
Surgical treatment of tricuspid valve dysfunction after radical correction of CHD.
4. Chernogrivov A.E., Chernogrivov I.E., Suleymanov Sh.F., Rybakova T.V., Talysheva O.N., Bofanov D.A., Evdokimov A.S., Bazylev V.V. (Penza, Russia) 10 min.  
First case of the implantation of Russian bicuspid prosthesis «MedInj-2» in an infant.
5. Petrushenko D. Yu., Kharisova A.E., Kalinicheva Yu.B., Zaynetdinova E.K., Malguina I.V., Valiullin L.R., Lysenko T.R. (Kazan, Russia) 10 min.  
Experience of reconstructive operations for bicuspid aortic valve stenosis. Mid-term results.
6. Mataev V.S. (Moscow, Russia) 10 min.  
Experience of systemic AV valve replacement in patients with corrected TGA.

**Discussion**

**11.30-11.15**

**Break**

**11.45-13.15**

**«PRO» AND «CONTRA» DEBATES**

**«SURGICAL AND ENDOVASCULAR INTERVENTIONS FOR  
THE RIGHT VENTRICULAR OUTFLOW TRACT PATHOLOGY AFTER  
THE CORRECTION OF CONOTRUNCAL DEFECTS »**

Chairmen: V.P. Podzolkov (Moscow), M.M. Zelenikin (Moscow),  
B.G. Alekryan (Moscow), M.G. Pursanov (Moscow)

1. Podzolkov V.P., Chiaureli M.R., Yurlov I.A., Danilov T.Yu., Kovalev D.V., Samsonova V.B., Astrakhantseva T.O. (Moscow, Russia) 10 min.  
Surgical re-interventions after radical correction of conotruncal defects with the use of a prosthetic pulmonary artery.
2. Bazylev V.V., Shmatkov M.G., Bofanov D.A., Suleymanov Sh.F., Rybakova T.V., Talysheva O.N., Vostokova E.V., Chernogrivov A.E. (Penza, Russia) 10 min.  
Results of the use of various homografts for the reconstruction of the right ventricular outflow tract depending on the age of patients.
3. Alekryan B.G., Pursanov M.G., Sobolev A.V., Grigorian A.M., Dadabaev G.M., Osmanov O.A. (Moscow, Russia) 10 min.  
Balloon dilatation and stenting for the obstruction of the right ventricular outflow tract in patients after radical correction of conotruncal defects.
4. Volkov S.S., Zelenikin M.A., Zelenikin M.M. (Moscow, Russia) 10 min.  
Problem of pulmonary valve insufficiency after radical correction of conotruncal defects in

- infancy.
5. Podzolkov V.P., Yurlov I.A., Danilov T.Yu., Kovalev D.V., Putiato N.A., Mataeva T.V. (Moscow, Russia) 10 min.  
Experience of pulmonary valve replacement after the correction of conotruncal defects.
  6. Borisova N.A., Ilyin A.S., Borisov A.A. (St. Petersburg, Russia) 10 min.  
Transcatheter implantation of «Melody» pulmonary valve.

***Discussion***

**13.15-14.15  
Break**

**14.15-15.45  
ROUND TABLE**

**«AORTIC COARCTATION – STENTING OR SURGERY »**

Chairmen: P.O. Kazanchain (Moscow), B.G. Alekyan (Moscow)

1. – a viewpoint of an endovascular surgeon – Academician of RAS Alekyan B.G. 20 min.
2. – a viewpoint of a cardiovascular surgeon – Professor Arakelian V.S. 20 min.
3. – a viewpoint on cardiology-related aspects of the treatment of patients with coarctation syndrome 20 min.  
– Research Assistant Bortnikova N.V.

***Discussion – Participants:*** V.S. Arakelian (Moscow)  
N.V. Bortnikova (Moscow)  
A.S. Ivanov (Moscow)

**17.30-17.45  
Break**

**17.45**

**PLENARY SESSION (Hall «BAKOULEV» (№ 1)  
SUMMARIZING THE COMPETITION OF YOUNG RESEARCHERS' WORKS  
CLOSING CEREMONY**

**TUESDAY, MAY 24, 2016**

**Hall «RABOTNIKOV» (№ 5)**

**10.00-11.30**

**CYCLE OF TOPIC-BASED ADVANCED TRAINING**

**«THRILLING PROBLEMS OF ARRHYTHMOLOGY»**

(Section RACVS “Arrhythmology” and Department of Cardiovascular Surgery and interventional cardiology of Evdokimov Moscow State Medical and Stomatological University)

Chairmen: O.L.Bockeria (Moscow), V.N.Makarenko (Moscow)

1. Kovalev A.S. 20 min.  
Using of non-fluoroscopic systems of 3D navigation for the mapping in atrial fibrillation.
2. Bockeria O.L. 20 min.  
Cordless pacemakers – technical potential and clinical results.
3. Sergueev A.V. 20 min.  
Atrial arrhythmias after surgical treatment of atrial fibrillation.
4. Stupakov S.I. 20 min.  
Influence of cardiac resynchronizing therapy on atrial and ventricular arrhythmias.

**11.30-11.45**

**Break**

**11.45-13.15**

**CYCLE OF TOPIC-BASED ADVANCED TRAINING**

**«THRILLING PROBLEMS OF ARRHYTHMOLOGY»**

(Section RACVS “Arrhythmology” and Department of Cardiovascular Surgery and interventional cardiology of Evdokimov Moscow State Medical and Stomatological University)

Chairmen: O.L.Bockeria (Moscow), V.N. Makarenko (Moscow)

1. Bockeria O.L. 20 min.  
Practical aspects of the examination algorithm of a patient with atrial fibrillation in cardiac surgery.
2. Makarenko V.N. 20 min.  
Particularities of using the methods of computed and magnetic resonance tomography in the diagnosis of atrial fibrillation and sick sinus syndrome.
3. Goriachev V.A. 20 min.  
Intraoperative mapping in patients with atrial fibrillation.
4. Bockeria O.L., Biniashvili M.B. 20 min.  
Thoracoscopic methods for the management of atrial fibrillation.

**13.15-14.15**

**Break**

**14.15-17.30**  
**E-Poster (Zone B )**

**14.15-15.45**

**HEART DISEASES AND CARDIOPATHIES**

Chairmen: T.G. Nikitina (Moscow), A.A. Makushin (Moscow),

#497

Pelekh D.M., Nikitina T.G., Skopin I.I., Muratov R.M., Tsiskaridze I.M., Fadeev A.A., Izosimova M.G.(Moscow, Russia)

Evaluation of clinical status and quality of life of patients after the correction of aortic stenosis with the implantation of small (19-21 mm) mechanical prostheses.

#278

Sumin A.V., Medvedeva Yu.A., Devetiarova E.A., Kocharian A.S., Mozhaev I.V., Poddubny A.V., Duzhikov A.A. (Rostov-on Don, Russia)

Particularities of surgical treatment of severe aortic stenosis in patients with marked systolic dysfunction of the left ventricle.

#90

Pelekh D.M., Nikitina T.G., Skopin I.I., Muratov R.M., Tsiskaridze I.M., Fadeev A.A., Izosimova M.G.(Moscow, Russia)

Regression of left ventricular myocardial hypertrophy in patients with narrow fibrous ring of the aortic valve after surgical correction of aortic stenosis.

#458

Markina V.V., Duzhikov A.A., Rumbesht V.V., Bepalova O.F., Mozhaev I.V., Kisliitsky A.I., Shamkhaniantz V.D., Likhachev-Mishchenko O.V. (Rostov-on Don, Russia)

Rehabilitation and prophylactic measures in patients after surgical correction of infective endocarditis.

#255

Bodrov D.A., Milovankin D.A., Mikhaylov A.V., Idov E.M. (Yekaterinburg, Russia)

Results of the correction of anterior mitral cusp prolapse in degenerative mitral valve disease.

#104

Kashtanov M.G. (Yekaterinburg, Russia)

Repeated ethanol septal ablation in patients with hypertrophic cardiomyopathy and residual obstruction of the left ventricular outflow tract.

#370

Khitrova M.E., Bockeria L.A., Berseneva M.I., Kosareva T.I., Kutsurov D.D., Malenkov D.A. (Moscow, Russia)

Differentiated approach to surgical treatment of hypertrophic obstructive cardiomyopathy.

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Kiprensky A.Yu., Nechaenko M.A. (Moscow, Russia)

Surgical tactics in the presence voluminous masses on the heart valves.

#39

Kolobova O.I., Shcherbakova T.V. (Barnaul, Russia)

Dynamics of circulatory diseases in the Altai region.

***RARE CASES OF CARDIOVASCULAR DISEASES***

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Sukhareva G.E., Sekelik R.I., Lebed I.G. (Simferopol, Russia; Kiev, Ukraine)  
Papillary fibroelastoma – a rare heart tumor in a neonate (a case from our practice).

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Akhobekov A.A., Bockeria L.A., Bockeria O.L., Lyskina G.A., Merzliakov V.Yu., Shirinskaya O.G., Satiukova A.S., Kopaliani T.I. (Moscow, Russia)

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A case of successful diagnosis and surgical treatment of BWG syndrome and associated mitral insufficiency in adults.

## **16.00-17.30**

### ***CURRENT ASPECTS OF EchoCG EVALUATION OF SYSTOLIC AND DIASTOLIC VENTRICULAR FUNCTION IN PATIENTS UNDERGOING HEART SURGERY***

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Circulatory biomechanics: main approaches.

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Echocardiographic predictors of paradoxaic anterior mitral cusp motion (SAM-syndrome).

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Legkonogov A.V., Legkonogova L.G. (Simferopol, Russia)

Newly diagnosed congenital heart diseases in adults and elderly pagtients: stereotypes of diagnosis or echocardiographic findings?

**TUESDAY, MAY 24, 2016**

**Hall «PETROSSIAN» (№ 7)**

**10.00-10.30**

**3<sup>rd</sup> ORPHEUS PERFUSION SIMULATOR-BASED TRAINING  
“COMMUNICATION IN CARDIAC OPERATING ROOM”**

*(organizers: Bakoulev Scientific Center for Cardiovascular Surgery and section of the RACVS “Extracorporeal Circulation”, supported by TerumoAcademy)*

Coordinators of the training:

**Leen Vercaemst** – ECCP, Coordinator Perfusion School University Leuven, Belgium

**Timothy J Jones** – MD, FRCS (CTh), Cardiac Surgeon, Birmingham Children’s Hospital, United Kingdom)

***Introduction***

10.00 – 10.45

**Leen Vercaemst**

Role of simulation in the training of a perfusionist: the experience of Leuven Perfusion School – *(Why do we need a highly realistic simulation for the training of perfusionists, and also how to organize it, and how we do it in Leuven Perfusion School)*

10.45 – 11.30

**Timothy Jones**

Evaluation of non-technical skills – *(What is the cause of errors in the work of an operation team, and what is the way to reduce them to the minimum? What are non-technical skills in surgery and how we can reveal and evaluate them in the operating room and during simulation? The system of behavioral markers)*

11.30 – 12.00

Break

***What are the ways for creating a highly realistic simulation program***

12.00 – 12.10

**Leen Vercaemst**

Environment, equipment and knowledge – *(Practical approach to the development of a program of simulation training)*

12.10 – 12.30

**Timothy Jones**

How can we get a feedback and conduct an analysis – *(The role and the need of an effective feedback and analysis, models and practice of an analysis conducted in a supporting, objective and non-conflict form)*

12.30 – 12.40

**Leen Vercaemst, Timothy Jones**

Script-based simulation – *(The importance of a good script for successful simulation, script structure, templates and prehistory, as well as the list of actions, equipment and staff)*

12.40 – 13.00

**Leen Vercaemst**

Making acquaintance with Orpheus simulator and its environment – (*Simuator's components, its mounting, whar happens off-stage during simulation process*)

**13.00 – 14.00**

(Lunch for the participants of the Training –  
lobby of the 1<sup>st</sup> floor, “Red” lobby of the coffee-room)

***Practice: Scripts and simulation***

14.00 – 17.00

**Practical part:** scripts and simulation.

**17.45**

**PLENARY SESSION (Hall «BAKOULEV» (№ 1))**

**SUMMARIZING THE COMPETITION OF YOUNG RESEARCHERS' WORKS**

**CLOSING CEREMONY**

**TUESDAY, MAY 24, 2016**

**E-Poster (Zones A, B)**

**10.00 – 17.30**

**ZONE A:**

**Hall «IVANITSKY» (№ 6)**

**10.00 – 11.30**

***HISTORY OF CARDIOVASCULAR SURGERY***

Chairmen: V.P. Podzolkov (Moscow), V.S. Arakelian (Moscow)

#127

Gliantsev S.P. (Moscow, Russia)

Vladimir Demikhov and Christian Barnard: the touch points (on the occasion of centenary of birth of V.P. Demikhov)

#128

Safina I.R., Gliantsev S.P. (Moscow, Russia)

Vladimir Bourakovsky's priorities in the surgical treatment of congenital heart diseases.

#129

Chikin N.S., Yanybaeva L.Ch., Gliantsev S.P. (Moscow, Russia)

Soviet-American collaboration in the field of cardiac surgery: from Alexander Bakoulev's visit to the USA (1945) to the 1<sup>st</sup> Soviet-American Symposium on congenital heart diseases (1973).

#64

Pchelina I.V., Shimko V.V. (Khabarovsk, Blagoveshchensk, Russia)

Professor Ya. P. Kulik – the founder of cardiac surgery in the Amur region.

#93

Pchelina I.V., Shimko V.V. (Khabarovsk, Blagoveshchensk, Russia)

Development of cardiovascular surgery in the Amur region from the second half of the 1960-ies to the mid-1990-ies.

#181

Shchelkunov N.B., Gliantsev S.P. (Briansk, Moscow, Russia)

S.K. Sofoterov (1879-1949) – one of the pioneers of vascular suture.

#184

Shchelkunov N.B., Arakelian V.S., Gliantsev S.P. (Briansk, Moscow, Russia)

Postoperative bleeding in vascular surgery (retrospective analysis for the period from 1961 to 1983, based on the data of Bakoulev Institute for Cardiovascular Surgery of AMS USSR).

**11.45-13.15**

***SYMPOSIUM***

***«OPERATIONS IN CARDIAC SURGERY: HISTORY LESSONS»  
(Conference of young researchers)***

**Section 1.**

Chairmen: I.V. Kokshenev (Moscow), V.S. Arakelian (Moscow), K.V. Shatalov (Moscow)

#182

Kardanova K.B. (Moscow, Russia)

Miguel L. Barbero-Marcial and his operation – an important step in the development of surgical treatment of the pulmonary arterial atresia with ventricular septal defect.

#183

Magomedov I.K., Kardanova K.B. (Moscow, Russia)

Type-1 pulmonary arterial atresia with ventricular septal defect: reconstruction of M. Barbaro-Marcial operation (1988) with VSD closure.

#392

Tachieva G.B., Shishkina O.I., Papitashvili V.G. (Moscow, Russia)

Surgical treatment of aortic coarctation in Bakoulev SCCVS: 50-year-long history.

#391

Shishkina O.I., Tachieva G.B., Papitashvili V.G. (Moscow, Russia)

Aortic coarctation: resection with plasty using the technique of Bakoulev SCCVS in the settings of WETLAB.

#239

Aliev A.Kh., Islomzoda D. (Moscow, Russia)

Complete form of atrioventricular septal defect (AVSD): the correction from G. Rastelli to J. Kirklin.

#241

Islomzoda D., Aliev A.Kh. (Moscow, Russia)

Complete atrioventricular septal defect (AVSD). Reconstruction of single-patch method for the correction of complete form of AVSD in the settings of WETLAB.

#494

Shesterina Yu.S., Turaev F.Kh. (Moscow, Russia)

Transposition of the great vessels: the history of the methods of surgical treatment in Russia and abroad.

#491

Shesterina Yu.S., Turaev F.Kh. (Moscow, Russia)

Correction of D-TGA with ventricular septal defect and obstruction of the right ventricular outflow tract using Nikaidoh technique in the settings of WetLab.

#381

Nosov A.A., Nosov K.A. (Moscow, Russia)

History of David operation and its modifications for the management of aortic root aneurysm.

#383

Nosov A.A., Nosov K.A. (Moscow, Russia)

Valve-preserving of the aortic root: David operation in the settings of WetLab.

## **14.15-15.45**

### **SYMPOSIUM**

#### **«OPERATIONS IN CARDIAC SURGERY: HISTORY LESSONS»**

#### **Section 2.**

Chairmen: I.V. Kokshenev (Moscow), V.S. Arakelian (Moscow), K.V. Shatalov (Moscow)

#350

Akopian M.A., Chumakov A.V. (Moscow, Russia)

Aortic arch aneurysm: aortic arch replacement. History lessons.

#348

Chumakov A.V., Akopian M.A. (Moscow, Russia)

Aortic arch aneurysm: aortic arch replacement with reimplantation of the brachiocephalic arteries into the prosthesis in the settings of WetLab.

#217

Rezvova I.D., Nakhapetian M.F. (Moscow, Russia)

Randas Batista operation (1984): the birth of an alternative to heart transplantation.

#249

Nakhapetian M.F., Rezvova I.D. (Moscow, Russia)

Modelling of the operation of partial left-sided ventriculotomy for dilated cardiomyopathy following R. Batista technique in the settings of WetLab.

#362

Mikheychik A.A., Silin N.A. (Moscow, Russia)

Hypertrophic cardiomyopathy: history of the development of correction techniques (Morrow myoseptectomy).

#359

Silin N.A., Mikheychik A.A. (Moscow, Russia)

Obstructive hypertrophic cardiomyopathy: myoseptectomy following L.A. Bockeria – K.V.Borisov technique in the settings of WetLab.

#336

Kordzaya E.L., Cheremisova D.A. (Moscow, Russia)

Nikolay P. Sinitsyn (1900 – 1972): heart transplantation in poikilothermic.

#325

Cheremisova D.A., Kordzaya E.L. (Moscow, Russia)

The technique of heart transplantation in poikilothermic suggested by N.P. Sinitsyn.

## **ZONE B:**

Hall «RABOTNIKOV» (№ 5)

### **E-Poster (Zone B )**

**14.15-15.45**

#### **HEART DISEASES AND CARDIOPATHIES**

Chairmen: T.G. Nikitina (Moscow), A.A. Makushin (Moscow),

#497

Pelekh D.M., Nikitina T.G., Skopin I.I., Muratov R.M., Tsiskaridze I.M., Fadeev A.A., Izosimova M.G.(Moscow, Russia)

Evaluation of clinical status and quality of life of patients after the correction of aortic stenosis with the implantation of small (19-21 mm) mechanical prostheses.

#278

Sumin A.V., Medvedeva Yu.A., Devetiarova E.A., Kocharian A.S., Mozhaev I.V., Poddubny A.V., Duzhikov A.A. (Rostov-on Don, Russia)

Particularities of surgical treatment of severe aortic stenosis in patients with marked systolic dysfunction of the left ventricle.

#90

Pelekh D.M., Nikitina T.G., Skopin I.I., Muratov R.M., Tsiskaridze I.M., Fadeev A.A., Izosimova M.G.(Moscow, Russia)

Regression of left ventricular myocardial hypertrophy in patients with narrow fibrous ring of the aortic valve after surgical correction of aortic stenosis.

#458

Markina V.V., Duzhikov A.A., Rumbesht V.V., Bepalova O.F., Mozhaev I.V., Kislitsky A.I., Shamkhaniantz V.D., Likhachev-Mishchenko O.V. (Rostov-on Don, Russia)  
Rehabilitation and prophylactic measures in patients after surgical correction of infective endocarditis.

#255

Bodrov D.A., Milovankin D.A., Mikhaylov A.V., Idov E.M. (Yekaterinburg, Russia)  
Results of the correction of anterior mitral cusp prolapse in degenerative mitral valve disease.

#104

Kashtanov M.G. (Yekaterinburg, Russia)  
Repeated ethanol septal ablation in patients with hypertrophic cardiomyopathy and residual obstruction of the left ventricular outflow tract.

#370

Khitrova M.E., Bockeria L.A., Berseneva M.I., Kosareva T.I., Kutsurov D.D., Malenkov D.A. (Moscow, Russia)  
Differentiated approach to surgical treatment of hypertrophic obstructive cardiomyopathy.

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Surgical tactics in the presence voluminous masses on the heart valves.

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