IX SCIENTIFIC CONFERENCE DEDICATED TO THE 100TH ANNIVERSARY OF ACADEMICIAN YE. MESHALKIN

PRELIMINARY SCIENTIFIC PROGRAMM

June, 16, 2016
Novosibirsk
Russia
Dear colleagues!

The 2016 year is an important milestone for our Institute.

February 25, 2016 marks 100 years since the birth of Yevgeny Meshalkin, Member of Russian Academy of Medical Sciences (RAMS), one of the founders of national cardiac surgery and the founder of Novosibirsk Research Institute of Circulation Pathology.

Ye. Meshalkin developed and implemented the method of inhalation anesthesia and angiocardiography. He was the first in the world to perform more than 30 types of heart surgery. Ye. N. Meshalkin also founded a scientific school that makes our Institute one of the leading institutions in the country to help patients suffering from cardiovascular diseases.

June 2, 2016 we celebrate the 85th anniversary of Meshalkin’s confederate and assistant – the outstanding female cardiac surgeon Yelena Litasova. Confident public, scientific and practical activities of Prof. Ye. Litasova as a leader in the 1990s, have not only preserved, but also multiplied the knowledge, achievements, and the international recognition of the Institute.

**June 16 -18, 2016 the Institute will host the “IX Scientific Conference dedicated to the 100th Anniversary of Academician Ye. Meshalkin.”**

*We are happy to invite you to participate in this significant event*!
International Scientific Conference

June 16 (Thursday)
Rechkunovskaya Street 15, Conference hall

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June 17 (Friday)
Technopark in Novosibirsk Academgorodok, Nikolayeva Str. 12

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June 16 (Thursday)

Rechkunovskaya Str. 15

Conference Hall

Starting 08.00  Registration

10.00–14.00  Historical excursus. Presentation of memoirs.

14.00–14.40  Lunch

15.00–18.00  OPENING CEREMONY

Presentations by the heads of the Academician Ye. Meshalkin Novosibirsk Research Institute of Circulation Pathology Centers.
SURGICAL AND MEDICATION TREATMENT OF CTEPH

Chairmen: I. Chazova, A. Yablonsky, A. Cherniavsky

09.00–09.15 Welcome speech  
A. Cherniavsky, Novosibirsk, Russian Federation

09.15–09.45 Introduction: CTEPH in Russia at present time  
I. Chazova, Moscow, Russian Federation

09.45–10.10 History of surgical treatment of CTEPH  
A. Yablonsky, Saint Petersburg, Russian Federation

10.10–10.40 Diagnostic pitfalls of CTEPH  
A.M. D’Armini, Pavia, Italy

10.40–12.00 Live broadcast from the surgery room: Pulmonary thrombendarterectomy  
D. Jenkins, Cambridge, Great Britain

12.00–12.10 Coffee-break

12.10–12.40 Surgical treatment of CTEPH patients  
D. Jenkins, Cambridge, Great Britain

12.40–13.10 Medication therapy of CTEPH patients  
T. Martynyuk, Moscow, Russian Federation

13.10–14.10 Lunch

14.10–14.40 Possibilities of radiofrequency pulmonary artery denervation with chronic thromboembolic pulmonary hypertension  
Chen SL, Beijing, China

14.40–15.10 Live broadcast from operation room: radiofrequency pulmonary artery denervation with residual pulmonary hypertension. Patient presentation

15.10–15.40 Differential diagnosis of chronic thromboembolic pulmonary hypertension and chronic pulmonary diseases  
S. Avdeyev, Moscow, Russian Federation

15.40–16.10 The transplantation of “heart-lung” complex with chronic thromboembolic pulmonary hypertension  
E. Fadel, Paris, France

16.10–16.40 The lung transplantation with chronic thromboembolic pulmonary hypertension  
W. Klepetko, Vienna, Austria

16.40–16.50 Coffee-break

16.50–17.20 Dual-energy CT and MRI in the evaluation of lung perfusion in patients with chronic thromboembolic pulmonary hypertension  
Ye. Mershina, Moscow, Russian Federation

17.20–18.20 Possibilities of radiological methods of research in chronic thromboembolic pulmonary hypertension: ventilation perfusion lung scan and multispiral computed tomography-angiography of pulmonary artery  
S. Minin, N. Pak, Novosibirsk, Russian Federation

18.20–18.30 Discussion

18.30 Reception, 13th Floor
Conference hall №1

RISK FACTORS OF CARDIOVASCULAR DISEASES
Chairmen: I. Grazhdankin

09.00–09.30  Chronic kidney disease in cardiology practice
V. Tov, Novosibirsk, Russian Federation

09.30–10.00  Disorders of lipid metabolism: from changing the life style
to medication therapy. What is the evidence base of modern therapy?
G. Lifshitz, Novosibirsk, Russian Federation

10.00–10.30  Glucose metabolism disorders and cardiovascular diseases. What is the
basis for therapy and preventive measures? New perspectives of therapy.
O. Tsigankova, Novosibirsk, Russian Federation

10.30–11.00  Thyroid diseases in cardiology practice
Ye. Korolzova, Sankt Petersburg, Russian Federation

11.00–11.10  Coffee-break

11.10–11.45  Artery hypertension. The fundamentals and the goals
of medication therapy
D. Yahontov, Novosibirsk, Russian Federation

11.45–12.15  Artery hypertension. Resistant hypertension. The concept and therapy
principles. Is ablation of renal artery ganglion an alternative
to medication treatment?
A. Romanov, Novosibirsk, Russian Federation

12.15–12.45  Obstructive sleep apnea syndrome as an independent risk factor
of a sudden cardiac death
A. Yakovlev, Novosibirsk, Russian Federation

13.00–14.00  Lunch

STABLE CORONARY ARTERY DISEASE. WHERE WE STAND???

14.00–14.30  Diagnosis of coronary heart disease. Myocardial scintigraphy / stress MRI
S. Minin, Novosibirsk, Russian Federation

14.30–14.50  Stress echocardiography. New features of contrast ultrasound diagnostics
K. Mfiozemov, Novosibirsk, Russian Federation

The treatment procedure. Medication therapy
I. Pak, Novosibirsk, Russian Federation

15.30–16.00  Resistant effort angina. Diagnosis. Fundamentals of medication
and non-medication therapy. Modern possibilities (discussion)

16.00–16.10  Coffee-break

16.10–16.50  Angioplasty or coronary bypass surgery or medical therapy in stable
coronary artery disease. Surgeon vs endovascular cardiologist
vs cardiologist
A. Edemsky, V. Baistrukhov, I. Grazhdankin, Novosibirsk,
Russian Federation

16.50–17.20  Vasospastic angina. Diagnosis and treatment
A. Kuimov, Novosibirsk, Russian Federation

17.20–17.50  Pulmonary hypertension. Tactics, diagnosis, treatment.
S. Ivanov, Novosibirsk, Russian Federation

18.00  Reception, 13th Floor
Conference hall №2

Starting 08.00  Registration

INNOVATIVE TECHNOLOGIES IN THE TREATMENT OF VASCULAR DISEASES

SESSION 1. INNOVATIVE METHODS OF SURGICAL RECANALIZATION OF ARTERY

Chairmen: N. Chakfe, Belenky A.S., Karpenko AA

9.00–9.30  Techniques and results for BTK revascularization (more clinical)
N. Chakfe, France

9.30–10.00  Robot-assisted surgery of aorta
P. Stadler, Prag, Czech Republic

10.00–10.15  Aorta endoprosthesis replacement: reality and perspectives
S. Abugov, Moscow, Russian Federation

10.15–10.45  Noval endovascular solutions to arch, perirental and abdominal aortic aneurysms
A. Belenky, Israel

10.45–11.00  Endovascular treatment of diabetic foot syndrome
I. Yeroshin, Moscow, Russian Federation

11.00–11.15  Choosing the method for carotids treatment. Who won?
Z. Kavteladze, Moscow, Russian Federation

11.15–11.30  Diabetic foot: surgical or endovascular revascularization?
A. Karpenko, Novosibirsk, Russian Federation

11.30–11.40  Coffee-break

M. Kaputin, Saint Petersburg, Russian Federation

11.55–12.10  Long-term results of mobilizable autologous mononuclear cells applying in treatment of patients with chronic ischemia of lower extremities.
V. Konenkov, O. Shumkov, T. Isaeva, M. Smagin, V. Nimaev, I. Kim, O. Poveshenko, Russian Federation

12.10–12.25  Pharmacologic gene induction of angiogenesis – as component of combined therapy in patients with chronic obliterative diseases of lower extremity artery (the limits of indications)
R. Deeve, I. Plaksa, A. Isaev, Russian Federation

12.25–13.00  Discussions

13.00–14.00  Lunch

June 17 (Friday)
SESSION 2. TISSUE ENGINEERING IN VASCULAR SURGERY

Chairmen: R. Deev, S. Zakiyan, P. Laktionov

14.00–14.20 Main remaining issues in SFA stenting (more technical and biomaterial)  
N. Chakfe, France

14.20–15.00 Discussions

15.00–15.15 Perspective materials and technologies in tissue engineering of blood vessels  
P. Laktionov, Novosibirsk, Russian Federation

15.15–15.25 Electrospun produced materials produced for cardiovascular surgery: physico-chemical and biological properties  
A. Stepanova, Novosibirsk, Russian Federation

15.25–15.35 Small diameter vascular grafts with semi-permeable inner layer: the results of in vivo study  
I. Popova, A. Karpenko, Novosibirsk, Russian Federation

15.35–16.00 Discussions

16.00–16.10 Coffee-break

16.10–16.20 Steem cells technologies for production of cell populated vascular grafts  
I. Zakharova, Sh. Saaya, M. Jiven, A. Shevchenko, A. Strunov, A. Smirnova, A. Karpenko, Ye. Pokushalov, L. Ivanova, S. Zakiyan, Novosibirsk, Russian Federation

16.20–16.30 Functional assessment of cell seeded material: the data of in vivo study  
Sh. Saaya Ye. Zayavlov, A. Romashenko, Novosibirsk, Russian Federation

16.30–16.40 Angiogenic functionalisation of tissue engineered constructs  
R. Deev, I. Bozo, T. Djuzheva, A. Lyundup, I. Klabukov, A. Shepelev, T. Tenchury, V. Mamagulashvili, S. Tchvalun, Moscow, Russian Federation

16.40–17.20 Discussions

17.20–17.30 The possibilities for autologous multipotent stem cells for modification of synthetic vascular prosthesis  
O. Poveshenko, Novosibirsk, Russian Federation

17.30–17.40 The development and assignment of polymer matrix efficacy for production of tissue engineered vascular grafts  
G. Popov, P. Popryadukhin, V. Vavilov, G. Yukina, V. Yudin, Saint Petersburg, Russian Federation

17.40–17.50 Polymer of Blood vessels prosthesis made from synthetic polymers: production and properties  
P. Popryadukhin, G. Popov, V. Vavilov, V. Yudin, Saint Petersburg, Russian Federation

17.50–18.00 The past, present and future of biological surrogates of arteries  
I. Zhuravleva, Novosibirsk, Russian Federation

18.00 Reception, 13th Floor
RECONSTRUCTIVE SURGERY OF CONGENITAL HEART DISEASE

SECTION 1. LEFT VENTRICLE UNDER PRESSURE.
SESSION №1


08.45–9.00 Welcome Speech
A. Karaskov, Yu. Gorbatykh, A. Omelchenko,
Novosibirsk, Russian Federation

09.00–09.35 Neonatal Ross procedure
T. L. Spray, Philadelphia, USA

09.35–10.15 What to do in severe LVOTO – pros and cons for accepted surgical strategies
Ch. Schreiber, Munich, Germany

10.15–10.35 Ross procedure in the pediatric population
Yu. Gorbatykh, Novosibirsk, Russian Federation

10.35–10.55 Ross procedure. Experience of Astrakhan Scientific Center for Cardiovascular Surgery
M. Plotnikov, Astrakhan, Russian Federation

10.55–11.15 Hypertrophic cardiomyopathy with obstruction of left ventricular outflow tract. Surgical approach
Ye. Krivoshekov, Tomsk, Russian Federation

11.15–11.30 Open aortic comissurotomy for aortic stenosis in children
A. Voitov, Novosibirsk, Russian Federation

11.30–11.40 Coffee- break

11.40–12.15 HLHS surgical treatmen
T. L. Spray, Philadelphia, USA

12.15–12.35 The Damus - Norwood procedure in surgery of common ventricle with subaortic obstruction
R. Movsesyan, Saint Petersburg, Russian Federation

12.35–12.55 Changing strategy for critical LVOTO
Z. Prodan, Budapest, Hungary

12.55–13.15 Hypoplastic Left Heart Syndrom – Current strategies of management
T. Mroshek, Krakow, Poland

13.15–13.30 Results of staged treatment of HLHS
R. Movsesyan, Saint Petersburg, Russian Federation

13.30–14.30 Lunch
SECTION 1. LEFT VENTRICLE UNDER PRESSURE.
SESSION №2

Chairmen: Yu. Gorbatykh, Kim A.I., Zhang Haibo

14.30–14.50 Chinese experience of treating VSD/IAA – CoA
Zhang Haibo, Shanghai, China

14.50–15.10 The aortic coarctation in newborns. The open surgeries
and endovascular approach
A. Kim, Moscow, Russian Federation

15.10–15.30 Surgery of aortic coarctation in children
I. Soinov, Novosibirsk, Russian Federation

15.30–15.50 The risk factors of reconstruction for the aortic arch lesions
in newborns
A. Ilyin, Krasnoyarsk, Russian Federation

15.50–16.00 Coffee-break

16.00–16.25 The transposition of great vessels with ventricular septal defect
and left ventricular outflow tract obstruction
S. Ovrutsky, Berlin, Germany

16.25–16.40 Diagnosis and surgery of aortic supravalvular stenosis
M. Plotnikov, Astrakhan, Russian Federation

16.40–17.00 Discussion

18.00 Reception, 13th Floor
IMPROVING TAVI OUTCOMES: RECOMMENDATIONS FROM EXPERTS

Chairmen: E. Kretov

Time for each presentation: 20 minutes.
Demonstration of clinical cases: 15 minutes.
Discussion: 5 minutes.

09.50–10.00 Welcome speech
10.00–10.25 How to get the best results. Optimal selection and procedure planning.
   J. Kovac, Cambridge, Great Britain
10.25–10.50 TAVI experience in Leipzig.
   S. Leontiev, Leipzig, Germany
10.50–11.15 Best practice: transfemoral transcatheater aortic valve implantation
   A. Protopopov, Krasnoyarsk, Russian Federation
11.15–11.35 Best practice: transaxillary transcatheater aortic valve implantation
   H. Gehlmann, Nijmegen, Netherlands
11.35–11.45 Coffee-break
11.45–12.05 Clinical case report
12.05–12.25 Best practice: transaortic transcatheater aortic valve implantation
   A. Bogachev-Prokofiev, Novosibirsk, Russian Federation
12.25–12.45 Clinical case report
12.45–13.10 Special case: 31-mm CoreValve
   D. Zverev, Saint Petersburg, Russian Federation
13.10–13.30 Special case: bicuspid aortic valve
   A. Biryukov, Saint Petersburg, Russian Federation
13.30–14.30 Lunch
14.30–14.55 Problems, Complications, and Solutions during TAVI
   T. Imaev, Moscow, Russian Federation
14.55–15.20 Antithrombotic therapy in TAVI patients.
   I. Grazhdankin, Novosibirsk, Russian Federation
15.20–15.45 TAVI program today
   E. Kretov, Novosibirsk, Russian Federation
15.45–15.55 Coffee-break
15.55–17.05 My most complex case. Clinical case reports from experts.
   S. Leontiev, Germany
17.05–17.20 Expert’s conclusion: The most important advice is ..........
18.00 Reception, 13rd floor
Rechkunovskaya Str. 15
Conference hall

Starting 09.00  Registration

TOPICAL ISSUES OF FUNCTIONAL NEUROSURGERY

10.00–10.20  Permanent spinal neurostimulation in the treatment of chronic pain syndromes  
A. Dmitriev, Novosibirsk, Russian Federation

10.20–10.40  Spinal neurostimulation in treatment of chronic myocardium ischemia, obstinate to medication therapy  
V. Murtazin, Novosibirsk, Russian Federation

10.40–11.00  Permanent spinal neurostimulation in patients with chronic pain syndrome and vessels pathologies of low extremity  
A. Ashkurov, Novosibirsk, Russian Federation

11.00–11.20  Indications for deep brain stimulation  
A. Brusyanskaya, Novosibirsk, Russian Federation

11.20–11.40  The spasticity surgery: ITB и SCS  
A. Biktimirov, Vladivostok, Russian Federation

11.40–12.00  Functional neurosurgery in Vladivostok  
A. Biktimirov, Vladivostok, Russian Federation

12.00–12.20  Neurosurgery of torsion dystonia  
A. Tomsky, Moscow, Russian Federation

12.20–12.40  Destructive neurosurgeries in treatment of spastic syndromes  
A. Dekopov, Moscow, Russian Federation

12.40–13.00  Surgical treatment of epilepsy  
D. Rogov, Novosibirsk, Russian Federation

13.00–14.00  Lunch

MODERN APPROACHES IN DIAGNOSTICS AND TREATMENT OF ONCOLOGICAL DISEASES

SURGERY DEMONSTRATION  
Robot-assisted extirpation of the esophagus  
B. J. Park, Newark, USA
Technopark in Novosibirsk Academgorodok, Nikolayeva Str. 12

Starting 08.00 Registration

Grand hall

SURGICAL AND MEDICATION TREATMENT OF CTEPH

Chairmen: R. Akchuryn, S. Avdeev, M. Gordeev

09.30–10.00 Pulmonary thromboendarterectomy: the way we do it
R. Akchuryn, Moscow, Russian Federation

10.00–10.30 The experience of NRICP in treatment of patients
with chronic thromboembolic pulmonary hypertension
A. Cherniavsky, Novosibirsk, Russian Federation

10.30–12.00 On line transmission from operating room:
pulmonary thrombendarterectomy
A.M. D’Armini, Pavia, Italy

12.00–12.10 Coffee-break

12.10–12.40 Balloon angioplasty of pulmonary artery with chronic
thromboembolic pulmonary hypertension
H. Matsubara, Okayama, Japan

12.40–13.40 Live broadcast from operating room: balloon angioplasty
of pulmonary artery
H. Matsubara, Japan, D. Grankin, Novosibirsk, Russian Federation

13.40–14.40 Lunch

14.40–15.10 The management of treatment for patients with chronic
thromboembolic pulmonary hypertension
in North-West Federal District
M. Gordeev, O. Moiseeva, Saint Petersburg, Russian Federation

15.10–15.40 The features of anesthetic support and treatment of patients
with chronic thromboembolic pulmonary hypertension
in early postoperative period
G. Martinez, Great Britain

15.40–16.10 The role of ECMO method in treatment of pulmonary
thrombendarterectomy complications
I. Kornilov, Novosibirsk, Russian Federation

16.10–16.40 The problem state of chronic thromboembolic pulmonary
hypertension in EMEA countries: Middle East, North Africa,
East Europe. The cardiologists view onto chronic thromboembolic
pulmonary hypertension problem. The www.cteph-association.org
platform and global consulting of patients with chronic thromboembolic
pulmonary hypertension. New register of CTEPH – preliminary results.
A. Ghofrani, Gissen, Germany

16.40–16.50 Coffee-break

16.50–17.20 Clinical case of patients with CTEPH in pulmonologists practice
N. Tsareva, Moscow, Russian Federation

17.20–17.50 Closing discussion
June 18 (Saturday)

Conference hall №1

NON-ST ELEVATION ACUTE CORONARY SYNDROME

09.00–09.30  Myocardial necrosis. Understanding how to make a diagnosis in the era of high-sensitive troponin
I. Grazhdankin, Novosibirsk, Russian Federation

09.30–10.10  Non-ST elevation acute coronary syndrome: Choosing the therapy tactics.
O. Barbarash, Kemerovo, Russian Federation

10.10–10.40  Non-ST elevation acute coronary syndrome. Therapy strategy after discharge from hospital
T. Reider, Novosibirsk, Russian Federation

V. Kashtalov, Kemerovo, Russian Federation

11.10–11.20  Coffee-break

11.20–12.00  Differential diagnosis of ST elevation on the ECG in patients with acute coronary syndrome
Yu. Kosolapov, Novosibirsk, Russian Federation

12.00–12.30  Primary angioplasty. The place of thrombolytic therapy today. The concept and tactics of treatment.
V. Ganyukov, Kemerovo, Russian Federation

12.30–13.00  Antithrombotic therapy. The evolution of treatment of acute coronary syndrome
I. Yavelov, Moscow, Russian Federation

13.00–14.00  Lunch

CARDIOMYOPATHIAS AND ARRHYTHMIAS

14.00–14.30  Ultrasound diagnosis of cardiomyopathies. Ultrasound criteria for diagnosis.
G. Nartsisova, Novosibirsk, Russian Federation

S. Bairamova, Novosibirsk, Russian Federation

15.00–15.30  Hypertrophic cardiomyopathy. Diagnosis, prognosis, medication therapy.
T. Antropova, Novosibirsk, Russian Federation

15.30–16.00  Atrial fibrillation. Prevention of embolism: a pill against mechanical Left atrial appendage occlusion
S. Bairamova, Novosibirsk, Russian Federation

16.00–16.30  Atrial fibrillation. Choosing the tactics of treatment: a pill against ablation
D. Losik, Novosibirsk, Russian Federation

16.30–16.40  Coffee-break
RECONSTRUCTIVE SURGERY OF CONGENITAL HEART DISEASE

SECTION 2. NEW TECHNOLOGIES IN THE PEDIATRIC CARDIAC SURGERY (MINIMALLY INVASIVE PEDIATRIC CARDIAC SURGERY)

Chairmen: A. Omelchenko, Ch. Schreiber, Z. Prodan

09.00–09.20 Which minimal invasive surgical concepts are accepted in children? Ch. Schreiber, Munich, Germany

09.25–09.45 Perventricular closure of VSD using the occluder device – experience in SCMC J. Liu, Shanghai, China

09.50–10.10 New challenges of Minimally Invasive Transthoracic Device Closure of CHD Q. Xing, Qingdao, China

10.15–10.30 Perventricular ventricular septal defects closure in Russia A. Omelchenko, Novosibirsk, Russian Federation

10.35–10.50 Video – assisted surgery for congenital heart disease A. Arkhipov, Novosibirsk, Russian Federation

10.55–11.20 Valve-containing xenoconduits in CHD surgery: pro et contra I. Zhuravleva, A. Voitov, Novosibirsk, Russian Federation

11.20–11.30 Coffee-break

SECTION 3. VIDEO SECTION. CORRECTION OF COMPLEX CONGENITAL HEART DEFECTS IN INFANTS

Chairmen: A. Kim, T. Mroczek, J. Liu

11.30–13.00 For each presentation Video: 3 minutes. Discussion: 5 minutes

Discussion participants: Christian Schreiber, Thomas L. Spray, Zsolt Prodan, Quansheng Xing, Zhang Haibo

1. Hypoplastic Left Heart Syndrom — modified Norwood Procedure
   Ye. Krivoshekov, Tomsk, Russian Federation

2. Hypoplastic Left Heart Syndrom — Damus-Norwood Procedure
   R. Movsesyan, Saint Petersburg, Russian Federation
3. Hypoplastic Left Heart Syndrome – Norwood-Sano Procedure
   A. Omelchenko, Novosibirsk, Russian Federation

4. Nikaidoh procedure for TGA, VSD, LVOTO
   A. Tchernogrivov, Penza

5. Truncal Block Rotation procedure for TGA, VSD, LVOTO
   Yu. Gorbatykh, Novosibirsk, Russian Federation

6. Ross Procedure
   Yu. Gorbatykh, Novosibirsk, Russian Federation

7. Minimally Invasive procedures for Congenital Heart Defects
   A. Arkhipov, Novosibirsk, Russian Federation

8. Primary Sutureless Approach for TAPVC repair
   I. Soinov, Novosibirsk, Russian Federation

9. First Stage palliation for PA with IVS and PA with VSD
   A. Voitov, Novosibirsk, Russian Federation

10. Double Switch procedure for TGA, VSD and PA
    A. Omelchenko, Novosibirsk, Russian Federation

11. Arterial Switch Operation
    A. Ilyin, Krasnoyarsk, Russian Federation

12. Cone procedure for Ebstein anomaly repair
    Ye. Krivoshekov, Toms, Russian Federation

13.00–14.00 Lunch

14.00–18.00 SECTION 4: PEDIATRIC ANESTHESIOLOGY AND CRITICAL CARE

Chairmen: O. Strunin

14.00–14.40 Nutrition features of newborns with congenital heart disease in the perioperative period
   A. Naumov, Saint Petersburg, Russian Federation

14.40–15.20 Features of perioperative nutritional support in infants in their first year of life
   N. Shen, Tyumen, Russian Federation
MINICOURSE AND CLINICAL ANATOMY WORKSHOP:
SURGICAL AND ECHOCARDIOGRAPHIC ANATOMY
OF CONGENITAL HEART MALFORMATIONS

LECTURERS:

Yu. Gorbatykh — MD, Professor,
Meshalkin Research Institute Pathology of Circulation
(Novosibirsk, Russian Federation)

M. Didenko — MD, Professor,
Associate-Professor of Cardiovascular Surgery Department,
State Pediatric Medical University
(Saint Petersburg, Russian Federation)

E. Krivoshekov — MD, Professor.
Child’s Heart Center, Research Institute of Cardiology
(Tomsk, Russian Federation)

S. Marchenko — MD, Professor
Cardiovascular department, State Pediatric Medical University
(Saint Petersburg, Russian Federation)

A. Sokolov — MD, Professor,
Child’s Heart Center, Research Institute of Cardiology
(Tomsk, Russian Federation)

D. Starchyk — Ph.D., Professor,
Head of the International Morphology Center
(Saint Petersburg, Russian Federation)
TARGET AUDIENCE:

Specialists in echocardiography, radiology, cardiac surgeons, cardiologists

PRACTICAL WORKSHOP GOALS:

The goal of the workshop is to update knowledge in embryology, echocardiography, surgical and echocardiographic anatomy of congenital heart defects on plastinated, 3D and natural anatomical specimens. Participants will be provided with opportunity to examine the natural, 3D and plastinated specimens of hearts with congenital malformations. Such an approach allows to improve understanding of diagnostics and visualization of congenital heart defects. The specially prepared heart specimens allow to improve the diagnostical skills.

15.30–15.50  Embryoloy of congenital heart defects  
Starchyk D.A., Saint-Petersburg, Russian Federation

15.50–16.10  Embryological, anatomical and hemodynamic referent features of atrioventricular communications.  
Sokolov A.A., Tomsk, Russian Federation

16.10–16.30  Congenital arrhythmias and conductive pathways in congenital heart diseases  
Didenko M.V., Saint-Petersburg, Russian Federation

16.30–16.50  Embryological, anatomical and the haemodynamical referent features of left heart pathology  
Marchenko S.P., Saint Petersburg, Russian Federation

16.50–17.10  Coffee-break

17.10–19.10  Practical workshop on natural anatomical specimens. Hands on training is focused on spatial anatomy of heart malformations.

19.10–19.30  Final test. The participants will be presented with echocardiographic videos of different congenital heart defects (echocardiographical diagnostical features will be analyzed in details).
Conference hall №4

MITRAL VALVE REPAIR

09.00–09.30  Surgical anatomy of mitral valve
S. Marchenko, Saint Petersburg, Russian Federation

09.30–10.00  Minimally invasive technologies in mitral valve surgery
T. Doenst, Jena, Germany

10.00–10.30  Live case from the operation room:
Mitral valve reconstruction through minimally invasive approach

11.30–11.40  Coffee-break

11.40–12.00  Blood flows in the left ventricle in patients with cardiac insufficiency
Sandrikov V.A., Moscow, Russian Federation

12.00–12.15  Reconstructive technologies in mitral valve surgery
A. Bogachev-Prokofiev, Novosibirsk, Russian Federation

12.15–12.30  Mitral valve reconstruction – the experience of Federal Center for Cardiovascular Surgery in Astrakhan
I. Chernov, Astrakhan, Russian Federation

12.30–13.00  Intraoperative evaluation of mitral valve echocardiographic parameters “before” and “after” its reconstruction
Ya. Dmitriyeva, Leipzig, Germany

13.00–14.00  Lunch

14.00–18.00  AORTIC ROOT RECONSTRUCTIVE SURGERY

14.00–14.20  Complex aortic root surgery in patients with infective endocarditis and aortic root abscesses
S. Leontiev, Leipzig, Germany

14.20–14.40  The role of Ross procedure in aortic root surgery: the 1000 surgeries in one medical center
A. Karaskov, Novosibirsk, Russian Federation

14.40–16.00  Live case from the operation room: implantation stentless aortic valve in patient with aortic valve disease

16.00–16.15  Coffee-break

16.15–16.35  Aortic root reintervention
Y. Belov, Moscow, Russian Federation

16.35–16.55  Stentless implant in aortic valve disease surgery
A. Repossini, Brescia, Italy

16.55–17.15  Reconstructive plastic interventions on the aortic root
Ye. Rosseikin, Penza, Russian Federation

17.15–17.30  The modified method of Ross procedure in dilate aortic
I. Chernov, Astrakhan, Russian Federation

17.30–17.45  Sutureless technologies in surgery of aortic root disease
A. Bogachev-Prokofiev, I. Zhuravleva, Novosibirsk, Russian Federation

17.15–18.15  What is a diagnosis?
P. Vogt, Zurich, Switzerland
Rechkunovskaya Str. 15

Conference hall

MODERN APPROACHES IN DIAGNOSTICS AND TREATMENT OF ONCOLOGICAL DISEASES

Chairmen: Zheravin А.А.

Starting 08.00  Registration

SURGERY DEMONSTRATIONS

1. Robot-assisted prostatectomy
   J. Schraml, Czech Republic

2. Brachytherapy for prostate cancer

RADIATION THERAPY

09.00–09.20  Different approaches and modern technologies of radiation therapy in the treatment of low-grade gliomas
               A. Golanov, Moscow, Russian Federation

09.20–09.40  Applying thermal radiation therapy in the combined primary and recurrent soft tissue sarcomas
               Zh. Startseva, Tomsk, Russian Federation

10.00–10.15  5 years of experience in stereotactic radiation therapy in Novosibirsk Research Institute of Circulation Pathology
               Ye. Samoylova, Novosibirsk, Russian Federation

10.15–10.30  Brachytherapy for prostate cancer
t.б.а.

IMAGING DIAGNOSTICS

10.30–10.45  European experience in robot-assisted operations for prostate cancer
               J. Schraml, Prag, Czech Republic

10.45–11.15  Robot-assisted surgery for esophageal cancer
               B. J. Park, Newark, USA

11.15–14.45  Comorbidity in oncology practice: possible solutions
               A. Kudryavtsev, Novosibirsk, Russian Federation

11.45–12.15  Approaches to the surgical treatment of breast cancer
               Ye. Garbubkov, Tomsk, Russian Federation

12.15–12.30  Extensive surgical interventions in abdominal oncology
               O. Zarubenko, Novosibirsk, Russian Federation
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12.30–12.45  Modern opportunities of orthopedic oncology  
             A. Zheravin, Novosibirsk, Russian Federation

12.45–13.00  Robot-assisted surgery experience of Novosibirsk Research 
             Institute of Circulation Pathology  
             S. Yarmochuk, Novosibirsk, Russian Federation

13.00–14.00  Lunch

MEDICATION THERAPY

14.00–14.20  Novel possibilities in treatment of common melanoma 
             L. Bolotina, Moscow, Russian Federation

14.20–14.40  Systemic treatment of soft tissue sarcomas  
             A. Fedenko, Moscow, Russian Federation

14.40–15.00  Neoadjuvant targeted therapy of disseminated renal cancer  
             Ye. Usinin, Tomsk, Russian Federation

15.00–15.20  Modern approaches in treatment of breast cancer  
             t.b.a.

IMAGING DIAGNOSTICS

15.30–16.00  Positron Emission Tomography (PET). Fields of application.  
             t.b.a.

16.00–16.30  Use of PET in diagnosis of oncological diseases  
             O. Mukhortova, Moscow, Russian Federation
EXECUTIVE ORGANIZING COMMITTEE

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RECOMMENDED ACCOMMODATIONS

River Park Hotel
http://www.riverpark.ru/?lang=en
630009, Russia, Novosibirsk, Dobrolubova Street, 2

Park Wood Hotel
630117, Russia, Novosibirsk, Arbuzova Street 6/2

Novosibirsk Marriott
www.marriott.com
630099, Russia, Novosibirsk, Ordzhonikidze Street 31

DoubleTree by Hilton Novosibirsk
www.doubletree.com
630099, Russia, Novosibirsk, Kamenskaya Street 7/1

CONFERENCE VENUE

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630055, Novosibirsk, Russia

Technopark in Novosibirsk Academgorodok
Nikolayeva Street 12
630090, Novosibirsk, Russia
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