





6TH SAINT PETERSBURG MEDICAL INNOVATION FORUM | MAY 18-20, 2023

themed "MEDICINE 2023 – SCIENCE, INNOVATION AND PRACTICE"

PROGRAMME

The Forum is held as part of the Programme of the World-Class Research Centre for Personalized Medicine with support from the Russian Ministry of Science and Higher Education.

CHAIR OF THE ORGANIZING COMMITTEE

Mikhail Murashko, Minister of Health of the Russian Federation

CHAIR OF THE SCIENTIFIC COMMITTEE

Prof. Evgeny Shlyakhto, Director General of Almazov National Medical Research Centre, Academician of the Russian Academy of Sciences

The scientific programme of the 6th Saint Petersburg Medical Innovation Forum includes lectures, plenary sessions, scientific symposia, workshops, clinical case discussions, e-posters, training sessions for practitioners.

The 6th Saint Petersburg Medical Innovation Forum will feature Almazov Youth Medical Forum 2023.

This Forum will include daily workshops and lectures by leading experts in all areas, best research paper award for medical students, residents and young scientists, special session of the Translational Medicine Cluster.

REGISTRATION

The event is free to attend but pre-registration online is required. There is no registration fee.

Please register on the Forum website at http://if.almazovcentre.ru/

LIVE STREAM

Sessions marked in the programme will be live-streamed at https://if.almazovcentre.ru/online

OFFICIAL LANGUAGES: Russian, English.

Please note that speakers' presentations will be in the original language and simultaneous translation will not be provided.

All times shown are in local time – Moscow Standard Time, UTC/GMT +3 hours.

*All information in the scientific programme is correct at the time of going to print on 16 April 2023. The Forum organisers reserve the right to amend the times and speakers without notice.



SYMPOSIUM CHRONIC CORONARY HEART DISEASE: WHAT IS NEW TODAY AND WHAT IS BEYOND THE HORIZON?

Chairs: Shlyakhto E. (Saint Petersburg), Boldueva S. (Saint Petersburg)

Panov A. (Saint Petersburg). Coronary heart disease: ischemia, stenosis and plaque hypothesis

Boldueva S. (Saint Petersburg). Myocardial ischemia without coronary artery obstruction

Gordeev M. (Saint Petersburg). What's new in CAD surgery?

Mikhailov E. (Saint Petersburg). Neuromodulation in the management of coronary artery disease

Oleinikov V., Salyamova L., Donetskaya N. (Penza). Effect of timing of revascularization on ischemic myocardial injury and remodeling

LANG HALL | 09:30-11:00

SYMPOSIUM RUSSIAN PRODUCTION OF STENTS FOR PERIPHERAL **ARTERIES**

Chairs: Chernyavsky M. (Saint Petersburg), Evdokimov S. (Penza)

Evdokimov S. (Penza). Medical industry in the Russian Federation: import substitution as the main vector for the implementation of the healthcare development strategy

Chernyavsky M. (Saint Petersburg). Domestically produced stents: a clinician's view on the problem

Kavteladze Z. (Moscow). From invention to implementation in the clinic. What determines the success of surgery?

Bolbasov E. (Tomsk). PTFE-coated peripheral stent grafts of domestic production: production technology and implementation prospects

Karpenko A. (Saint Petersburg). Coronary stent with insulating drug coating

KOROTKOV HALL | 09:30-11:00 | CIVE



SYMPOSIUM DIFFICULTIES AND PROSPECTS OF CHF MANAGEMENT

Chairs: Sitnikova M. (Saint Petersburg), Babenko A. (Saint Petersburg)

Sitnikova M. (Saint Petersburg). Prospects for the management of CHF in the XXI century

Fedotov P. (Saint Petersburg). Modern achievements and prospects for the development of mechanical circulatory support

Shindrikov R. (Saint Petersburg). Predictors of optimal clinical survival potential for heart transplantation

Babenko A. (Saint Petersburg). The importance of timely diagnosis and treatment of endocrine disorders in patients with end-stage heart failure

Simonenko M. (Saint Petersburg). Features of heart failure management after heart transplantation



SYMPOSIUM STATE-OF-THE-ART IN THE MANAGEMENT OF VENTRICULAR **TACHYCARDIA**

Chairs: Lebedev D. (Saint Petersburg), Gizatulina T. (Tyumen)

Mikhailov E. (Saint Petersburg). 2023 Update of the national clinical practice guidelines: VT and the prevention of SCD

Gizatulina T. (Tyumen). State-of-the-art: acute management of ventricular tachycardia

Tatarsky R. (Saint Petersburg). State-of-the-art: non-drug treatment of ventricular tachycardia

Korolev S. (Moscow). High power ablation of ischemic ventricular tachycardia: results of the BURN VT trial

LIBRARY HALL | 09:30-11:00

TWO-DAY INTERNATIONAL SEMINAR
MODERN DIAGNOSTICS AND PERSONALIZED APPROACH
TO TREATMENT OF ACUTE CORONARY SYNDROME:
POSITION OF PHARMACOLOGIST AND CLINICIAN

Chairs: Konradi A. (Saint Petersburg), Shlyakhto E. (Saint Petersburg)

Jill Farrington (Denmark). Welcoming remarks

Sooronbaev T. (Kyrgyzstan). Emergency Cardiology Program in the Republic of Kyrgyzstan

Yakovlev A. (Saint Petersburg). Analysis of patient routing and development of regional emergency care systems

Zvartau N. (Saint Petersburg). Development of regional cardiovascular risk management systems

Karlina V. (Saint Petersburg). Comprehensive analysis of the activities of healthcare institutions based on information systems

Yanishevsky S. (Saint Petersburg). Modern stroke care technologies

FILATOV HALL | 09:30-11:00

TWO-DAY INTERNATIONAL SEMINAR
PERSONALIZED APPROACH TO THE DIAGNOSIS AND
TREATMENT OF GYNECOLOGICAL DISEASES (PART 1)

Chairs: Komlichenko E. (Saint Petersburg), Ulrikh E. (Saint Petersburg)

Kaidarova. D. (Kazakhstan), Kogan. I. (Saint Petersburg), Komlichenko. E.
(Saint Petersburg), Ulrikh E. (Saint Petersburg), Opening remarks
Kaidarova D. (Kazakhstan). Prevention of cervical cancer: the realities of today
Kogan I. (Saint Petersburg), Glotov A. (Saint Petersburg), Kiselev A.
(Saint Petersburg). Targeted genetically engineered constructions for the treatment of human diseases: the experience of the Institute

Mukhtarulina S. (Moscow). Personalized surgical treatment: detection of sentinel lymph nodes in the surgical treatment of gynecological cancer patients

Krasilnikov S. (Novosibirsk). Modern technologies in the treatment of gynecological malignancies associated with severe comorbidities **Ulrikh E.** (Saint Petersburg). From surgery to drug therapy in gynecological oncology: a multidisciplinary team and the role of each member in the modern context

VIRTUAL HALL | 09:30-11:00

WCRC SYMPOSIUM MOLECULAR CHAPERONES IN THE DIAGNOSIS AND THERAPY OF SOCIALLY SIGNIFICANT DISEASES

Chair: Shevtsov M. (Saint Petersburg)

Shevtsov M. (Saint Petersburg). Membrane-associated heat shock protein Hsp70 in the theranostics of malignant tumors

Tagaeva R. (Saint Petersburg). Effect of recombinant Hsp70 on biophysical properties of model lipid membranes

Yashin D. (Moscow). Peptides of the Tag7 innate immunity protein able to modulate the activity of the TNFR1 receptor with the help of the Hsp70 chaperone and reduce the severity of autoimmune diseases

Yudintseva N. (Saint Petersburg). Study of motility of primary glioblastoma multiforme cells and assessment of cellular composition

Guzhova I. (Saint Petersburg). Autocrine regulation of tumor cell repopulation by alarmin proteins

Bobkov D. (Saint Petersburg). Peptides and types of cellular motility



PLENARY SESSION OPENING CEREMONY

Chairs: Shlyakhto E., Ergashev O., Maksimov A., Piradov M., Shevchenko S.

Welcoming remarks:

Murashko M. (Moscow), Minister of Health of the Russian Federation Chaban E. (Moscow), Acting Director of State Scientific and Technological Policy Department of the Ministry of Science and Higher Education of the Russian Federation

Ergashev O. (Saint Petersburg), Vice-Governor of Saint Petersburg Piradov M. (Moscow), Vice- President of the Russian Academy of Sciences **Ji Yong**, Rector of Harbin Medical University (China) Golodets O. (Moscow), Deputy Chair of Sberbank Board

Lectures:

Korobko I. (Moscow). Priority areas of research and development in medical science

Shlyakhto E. (Saint Petersburg). Innovations in modern healthcare

PAVLOV HALL | 14:00-15:30 |



SATELLITE SYMPOSIUM CURRENT TRENDS IN HEART FAILURE TREATMENT: PATIENT IN THE SPOTLIGHT

(sponsored by AstraZeneca)

Chair: Shlyakhto E. (Saint Petersburg)

Villevalde S. (Saint Petersburg). Management of a comorbid patient with HF in real practice: team game

Zvartau N. (Moscow). Information technologies to improve the outcomes of management of high-risk patients

Galyavich A. (Kazan). "Blind spots" in the way of a patient with HF **Zhulev Yu.** (Moscow). Initiatives and results of work to support patients with CVD

LANG HALL | 14:00-15:30

WCRC SYMPOSIUM
NEW DIAGNOSTIC AND TREATMENT METHODS FOR THORACIC
AORTIC AND AORTIC VALVE DISEASE: SHOULD WE EXPECT
A PARADIGM SHIFT?

Chair: Malashicheva A. (Saint Petersburg)

Dokshin P. (Saint Petersburg). Gender differences in pathological calcification of the aortic valve

Malashicheva A. (Saint Petersburg). Study of osteogenic differentiation mechanisms as a way to prevent pathological calcification of the aortic valve **Kutikhin A.** (Kemerovo), Malashicheva A. (Saint Petersburg). Analysis of the progression of lipid and calcium damage in ApoE-knockout mice with age

KOROTKOV HALL | 14:00-15:30 |



SATELLITE SYMPOSIUM POSSIBILITIES OF TODAY'S CARDIAC IMAGING

(sponsored by GE HealthCare)

Moderators: Mikhailov E., Ryzhkova D., Menkov I. (Saint Petersburg)

Menkov I. (Saint Petersburg). Computed tomography of the heart and vessels what's new for arrhythmologists?

Ivanitsky E. (Krasnoyarsk). Combined imaging without x-rays: is it the end of the era of fluoroscopy?

Shapieva A. (Moscow), Khilchuk A. (Saint Petersburg). Intraoperative fluoroscopy and angiography: a modern requirement of electrophysiologists

Ryzhkova D. (Saint Petersburg). Radionuclides in cardiology and arrhythmology: little helpers in big things

Discussion

BOTKIN HALL | 14:00-15:30 | DIVE



SATELLITE SYMPOSIUM SPINAL MUSCULAR ATROPHY, TOPICAL ISSUES OF PATIENT **MANAGEMENT**

(sponsored by Roche Moscow)

Chair: Alekseeva T. (Saint Petersburg)

Alekseeva T. (Saint Petersburg). Features of the development and progression of spinal muscular atrophy in adults, early diagnosis and prognosis **Muruzheva Z.** (Saint Petersburg). Effectiveness of oral pathogenetic therapy of SMA in adults

Sosnina I. (Saint Petersburg). Routing of SMA patients in Saint Petersburg Snegova E. (Saint Petersburg). SMA in children: clinical picture and diagnosis

LIBRARY HALL | 14:00-15:30

SYMPOSIUM SESSION OF PETER THE GREAT ST.PETERSBURG POLYTECHNIC UNIVERSITY

Chairs: Vasin A., Ilyin I., Grigoryeva A. (Saint Petersburg)

Vlasova O. (Saint Petersburg). Optogenetic stimulation of astroglia regulates the activity of hippocampal neurons and restores cognitive function in a mouse model of Alzheimer's disease

Popugaeva E. (Saint Petersburg). Calcium channel modulators: promising agents for diminishing cognitive deficits in Alzheimer's disease

Timin A. (Saint Petersburg). Design and synthesis of nano- and micro-carriers of a complex composition for the diagnosis and therapy of malignant neoplasms **Yudin V.** (Saint Petersburg). Polymeric materials for tissue engineering and transplantology

Ivanov V. (Saint Petersburg). Holographic surgical navigation system: current state and prospects

Ilyin I. (Saint Petersburg). Medical organization management: digital trends and challenges

FILATOV HALL | 14:00-15:30

SYMPOSIUM
ARTIFICIAL INTELLIGENCE TECHNOLOGIES FOR REAL
CLINICAL PRACTICE

Chair: Kurapeev D. (Saint Petersburg)

Shichkina Yu. (Saint Petersburg), **Kupriyanov M.** (Saint Petersburg). Coevolving hybrid intelligence: a new approach to the intellectualization of healthcare **Andreichenko A.** (Petrozavodsk). Pulmonary embolism detection using machine learning

Metsker O. (Saint Petersburg), Kopanitsa G. (Saint Petersburg), Pugina M. (Saint Petersburg), Uspensky V. (Saint Petersburg), Irtyuga O. (Saint Petersburg), Babakekhyan M. (Saint Petersburg). Analysis of the role of a bicuspid aortic valve in the development of aortic dilatation and aortic stenosis using machine learning methods

Solonitsyn E. (Saint Petersburg). Development of programs for the analysis of endoscopic ultrasound videos and images based on artificial intelligence to improve diagnostic accuracy

Trufanov G. (Saint Petersburg), **Efimtsev A.** (Saint Petersburg). System for modeling and analyzing the brain functions based on the results of tractography, fMRI and morphometry, using machine learning algorithms

Benimetskaya K. (Novosibirsk). Possibilities and prospects of artificial intelligence in big data analytics for clinical decision support

VIRTUAL HALL | 14:00-15:00

TWO-DAY INTERNATIONAL SEMINAR
CURRENT STATUS OF GENETIC DYSLIPIDEMIA DIAGNOSTICS
AND TREATMENT: POSITION OF PHARMACOLOGIST AND
CLINICIAN (PART 1)

Chair: Kostareva A. (Saint Petersburg)

Catapano A. (Italy). Severe hypertriglyceridemia: diagnosis and therapy **Alieva A.** (Saint Petersburg). Lipoprotein a – where do we stand? **Kostareva A.** (Saint Petersburg). Gene therapy: new opportunities in cardiology

PAVLOV HALL | 15:45-17:15 |



SATELLITE SYMPOSIUM THE ACS PATIENT JOURNEY: FROM DIAGNOSIS TO FOLLOW-UP

(sponsored by AstraZeneca)

Chair: Zvartau N. (Saint Petersburg)

Shakhnovich R. (Moscow). Potent P2Y12 inhibitors as the first choice regardless of the revascularization method in ACS

Zvartau N. (Saint Petersburg). The 4th year of the preferential program to combat CVD: have all the tasks been solved?

LANG HALL | 15:45-17:15

SYMPOSIUM INNOVATIONS IN AORTIC VALVE AND ASCENDING AORTA SURGERY

Chair: Uspensky V. (Saint Petersburg)

Mazin V. (Saint Petersburg), Uspensky V. (Saint Petersburg). Aneurysm and dissection of the ascending aorta in Marfan syndrome: a surgical challenge Saprankov V. (Saint Petersburg). Postoperative complications and progression of diseases of the ascending aorta and aortic arch: risk factors and reoperative strategy

Zavarzina D. (Saint Petersburg). Valve-preserving aortic root surgery – risk factors for complications and personalized patient management

Filippov A. (Saint Petersburg). Virtual simulation of the aortic valve and ascending aorta

KOROTKOV HALL | 15:45-17:15 |



SYMPOSIUM INNOVATIONS IN CLINICAL NEUROLOGY

Chairs: Martynov M. (Moscow), Alekseeva T. (Saint Petersburg)

Martynov M., Gusev E. (Moscow). Topical issues of cerebrovascular disease Alekseeva T. (Saint Petersburg), Isabekova P. (Saint Petersburg). Myasthenia gravis: epidemiology, comorbidity, gender and age aspects **Karpova M.** (Chelyabinsk). Innovative devices for the diagnosis of dizziness Isaeva N. (Krasnoyarsk). Inflammatory myopathies in the practice of a neurologist **Skoromets T.** (Saint Petersburg). The problem of spasticity in terms of neurorehabilitation

BOTKIN HALL» | 15:45-17:15 | CIVE



SYMPOSIUM ACADEMY OF ARRHYTHMOLOGY - A NEW STEP IN THE PERSONALIZED TRAINING OF AN ARRHYTHMOLOGIST

Chairs: Villevalde S. (Saint Petersburg), Kosonogov A. (Nizhny Novgorod), **Lebedev D.** (Saint Petersburg), **Ivanitsky E.** (Krasnoyarsk)

Mikhailov E. (Saint Petersburg). Professional competencies of a cardiologist Ivanitsky E. (Krasnoyarsk). Professional competencies of a cardiovascular surgeon Lebedeva V. (Saint Petersburg). Professional competencies of functional testing specialist and radiologist

Vasichkina E. (Saint Petersburg). Pediatric arrhythmology: from simple to complex **Garkina S.** (Saint Petersburg). Presentation of programs of the Academy of Arrhythmology training centre

LIBRARY HALL | 15:45-17:15

WCRC SYMPOSIUM INDUCED PLURIPOTENT STEM CELLS FOR HUMAN DISEASE MODELLING (PART 1)

Chairs: Kostareva A. (Saint Petersburg), Pchelina S. (Saint Petersburg)

Katolikova N. (Saint Petersburg). Modulation of Notch signalling on early steps of iPSC differentiation toward dopaminergic neurons

Usenko T. (Saint Petersburg). Patient-specific cells to assess the efficacy of inhibitors of LRRK2 kinase activity in Parkinson's disease

Kopytova A. (Saint Petersburg). Patient-specific cells to assess the efficacy of pharmacological chaperones for glucocerebrosidase in Gaucher disease and Parkinson's disease

Medvedev S. (Novosibirsk). Genetically encoded biosensors of cellular models of neurodegeneration

Malakhova A. (Novosibirsk). Inhibitors of polyADP-ribosepolymerase I demonstrate neuroprotective properties in cellular models of neurodegeneration

FILATOV HALL | 15:45-17:15

ONE-DAY INTERNATIONAL SEMINAR
MODERN APPROACHES TO THE DIAGNOSIS, MANAGEMENT AND
TREATMENT OF PATIENTS WITH CARDIOMYOPATHY AND THEIR
FAMILIES BASED ON THE REGISTER (PART 1)

Chairs: Pervunina T. (Saint Petersburg), Leontieva I. (Moscow)

Vasichkina E. (Saint Petersburg), Fetisova S. (Saint Petersburg), Vershinina T. (Saint Petersburg). Experience of using the HCM Risk-Kids model Kostareva A. (Saint Petersburg). Cardiovascular gene therapy: present and future Smolina N. (Türkiye). Heart and muscle damage in mitochondrial diseases

Leontieva I. (Moscow). Features of diagnostics and tactics of managing children with metabolic cardiomyopathy in glycogenosis

Gandaeva L. (Moscow), **Zharova O.** (Moscow), **Basargina E.** (Moscow), **Sdvigova N.** (Moscow). Barth's syndrome in the cardiologist's practice: diagnostic challenges and features of management

VIRTUAL HALL | 15:45-17:15

SYMPOSIUM SELECTED ISSUES OF PANCREATIC ONCOLOGY

Chair: Solonitsyn E. (Saint Petersburg)

Solonitsyn E. (Saint Petersburg). EUS in the diagnosis and histological verification of pancreatic neoplasms

Shestopalova T. (Saint Petersburg). Histological diagnosis of pancreatic neoplasms in clinical practice

Seyfedinova S. (Saint Petersburg). Modern concepts of molecular and biological mechanisms of pancreatic carcinogenesis

Danilov I. (Saint Petersburg). Pancreatic cancer: modern approaches to surgical treatment

Rykov I. (Saint Petersburg). Modern approaches to the diagnosis and treatment of pancreatic cancer: analysis of clinical guidelines

PAVLOV HALL | 17:30-19:00 | LIVE



SYMPOSIUM NOVELTIES IN NEUROMODULATION FOR CARDIOVASCULAR **DISEASE**

Chairs: Mamontov O. (Saint Petersburg), Mikhailov E. (Saint Petersburg)

Mikhailov E. (Saint Petersburg). Neuromodulation in cardiology: how not to get lost in innovations

Garkina S. (Saint Petersburg). Cardioneuroablation for bradyarrhythmia

Vakhrushev A. (Saint Petersburg). Renal denervation in the treatment of ventricular tachycardia

Belyaeva N. (Saint Petersburg). Spinal cord stimulation for orthostatic hypotension Mukhomedzyanov A. (Tomsk). Efficacy of distant postconditioning of the heart and its imitation by the 2-opioid receptor agonist deltorphin II in metabolic syndrome and aging in rats

LANG HALL | 17:30-19:00

SYMPOSIUM INNOVATIONS IN TRANSPLANTATION

Chairs: Fedotov P., Mikhailov E. (Saint Petersburg)

Fedotov P. (Saint Petersburg). New technologies in transplantation

Lubimtseva T. (Saint Petersburg). New ways of diagnosing rhythm and conduction disorders after heart transplantation

Simonenko M. (Saint Petersburg). Prospects for remote monitoring of patients after transplantation

Kosmacheva E., Stavenchuk T. (Krasnodar). Cancer in heart transplant recipients in the Krasnodar Territory

Gogolev D. (Saint Petersburg). Experience of kidney transplantation in a heart recipient

KOROTKOV HALL | 17:30-19:00 | CLIVE



SYMPOSIUM INTERDISCIPLINARY CONSENSUS MEETING

Chair: Alekseeva T. (Saint Petersburg), Skripchenko E. (Saint Petersburg)

Skripchenko N. (Saint Petersburg), Ivanova G. (Saint Petersburg),

Skripchenko E. (Saint Petersburg). Differential diagnosis of infectious encephalitis Mikhailov V. (Saint Petersburg), Shova N. (Saint Petersburg). Risk factors for the formation of suicidal behavior in patients with epilepsy

Tibekina L., AlSahli U. (Saint Petersburg). Post-stroke epileptic seizures:

risk factors, principles of diagnosis and treatment

Nazarov V. (Saint Petersburg). Laboratory diagnosis of hereditary and genetic diseases in routine neurological practice

Severina M. (Krasnovarsk). Sarcopenia in patients with generalized myasthenia aravis

Ermilov E. (Krasnoyarsk). Issues of epidemiology and organization of care for ALS patients in the Krasnoyarsk Territory

BOTKIN HALL | 17:30-19:00 | DIVE



SYMPOSIUM ON AUTOPROBIOTICS

Chair: Suvorov A. (Saint Petersburg)

Tsapieva A. (Saint Petersburg), Morozova A. (Saint Petersburg). Microbial therapy and autoprobiotics

Novikova N. (Saint Petersburg), Alferova L. (Saint Petersburg). Autoprobiotics as a component of complex therapy for metabolic syndrome

Maslyansky A. (Saint Petersburg), Artemyev I. (Saint Petersburg). Microbiota and microbial therapy for spondyloarthritis

Solovyova O. (Saint Petersburg), Shumikhina I. (Saint Petersburg). Autoprobiotics in the treatment of gastrointestinal diseases

Koroleva I. (Saint Petersburg). Autoprobiotics in the treatment of stomatitis Ermolenko K. (Saint Petersburg), Ilyina A. (Saint Petersburg). Microbial therapy of campylobacteriosis and helicobacteriosis

LIBRARY HALL | 17:30-19:00

POLYGENIC RISK - FROM INDIVIDUALS TO POPULATION

Chair: Rotar O. (Saint Petersburg)

Artomov N. (USA). Ethnic diversity and genetics of Russian citizens polygenic risk. National GWAS research resource

Moguchaya E. (Saint Petersburg). Prognostic value of arterial stiffness in Russian population

Loboda A. (Saint Petersburg). Predictive value of polygenic risk in patients with coronavirus infection

Tolkunova K. (Saint Petersburg). Intergenerational effects of vascular aging Babenko A. (Saint Petersburg). Is it possible to maintain metabolic health in patients with obesity and diabetes mellitus?

Kakageldyeva M. (Turkmenistan). Prevention of non-communicable diseases in Turkmenistan

FILATOV HALL | 17:30-19:00

ONE-DAY INTERNATIONAL SEMINAR
MODERN APPROACHES TO THE DIAGNOSIS, MANAGEMENT
AND TREATMENT OF PATIENTS WITH CARDIOMYOPATHY AND
THEIR FAMILIES BASED ON THE REGISTER (PART 2)

Chairs: Kostareva A. (Saint Petersburg), Yakovleva L. (Ufa)

Gandaeva L., Silnova I., Basargina E., Barsky V., Pushkov A., Savostyanov K. (Moscow). Clinical, functional, molecular and genetic characteristics of HCM in children **Rayanova R., Yakovleva L.** (Ufa). Myocarditis/inflammatory cardiomyopathy? Clinical case presentation

Kofenikova O., Vasichkina E., Pervunina T. (Saint Petersburg). Arrhythmogenic cardiomyopathy in children: difficulties in differential diagnosis

Sdvigova N. (Moscow). **Myasnikov R.** (Moscow). Non-compaction cardiomyopathy: familial forms

Kulpanovich A. (Belarus). Advances in the diagnosis and treatment of orphan diseases in the Republic of Belarus

VIRTUAL HALL | 17:30-19:00

SYMPOSIUM CELL THERAPY FOR ONCOLOGY: PROSPECTS AND CHALLENGES

Chair: Kulemzin S. (Saint Petersburg)

Kulemzin S. (Saint Petersburg). Platforms for CAR therapy: T or NK cells? **Yusubalieva G.** (Moscow). Combination therapy with enhanced NK cells and modified oncolytic viruses in tumor spheroids and human glioblastoma xenografts **Nushtaeva A.** (Novosibirsk). Heterotypic cellular 3D models of breast cancer to assess the intercellular interaction of the tumor

Vasileva N. (Novosibirsk). In vitro and in vivo models in the study of the antitumor activity of vv-gmcsf-lact

Chikaev A. (Novosibirsk). Molecular topology of CAR epitopes: the example of CD19 **Yurina A.** (Saint Petersburg). CD5 as a target for CAR T or CAR NK therapy

ALMAZOV HALL | 09:00-11:15

MASTERCLASS STUDENT GRANTS AND WHERE TO FIND THEM?

Dokshin P. (Saint Petersburg)

MENDELEEV HALL | 09:00-11:15

MENDELEEV HALL NEUROLOGY BREAKOUT SESSION

Chairs: Vorobyov S., Pospelova M., Portik O. (Saint Petersburg).

Vasilyeva A. (Saint Petersburg). Objective assessment of sleep in patients in the acute period after ischemic stroke: polysomnography versus actigraphy Voynov M. (Saint Petersburg). Clinical characteristics of central nervous system impairment in postmastectomy syndrome

Denisova E. (Krasnoyarsk). Application of computer video analysis of facial expressions to assess hypomimia in patients with Parkinson's disease **Klebansky D.** (Novosibirsk). Dynamics of diffusion parameters of white matter tractography after a course of interactive stimulation of secondary motor areas

of the cortex (fMRI neurofeedback) in patients in the early recovery period of stroke **Mikheeva A.** (Saint Petersburg). Cognitive and emotional disorders as the main neurological manifestations of post-COVID syndrome

Novikov D. (Novosibirsk). Dynamics of the mean kurtosis in the motor cortex and tracts in patients with stroke after a course of interactive therapy (brain stimulation) (fMRI neurofeedback)

Osipenko S. (Saint Petersburg). Relationship of CLOCK and PER3 gene polymorphisms with early and long-term prognosis in patients with ischemic stroke **Razzhivina K.** (Obninsk). Vestibular neuronitis: clinical and diagnostic aspects of vestibular dysfunction using biofeedback (BFB)

Spiridonova E. (Stavropol). Manifestation of obsessive-compulsive disorder on the background of premenstrual syndrome

Tkachenko E. (Stavropol). Assessment of the psycho-emotional status in patients in the context of the COVID-19 pandemic

Tulupova S. (Moscow). Centre for the Treatment of Cerebrovascular Disorders in Children and Adolescents: etiology and treatment of acute arterial ischemic stroke in children in 2018–2021

Tsvetkova A. (Saint Petersburg). Hypersomnolence, anxiety and depression in the acute period of ischemic stroke

Shustova T. (Saint Petersburg). Diagnosis of hypersomnolence in acute ischemic stroke

Scherbakova O. (Saint Petersburg). Study of laboratory markers of neurodegeneration in multiple sclerosis

Elkanov R. (Stavropol). Neuropathy of the facial nerve in hyperglycemia **Yakovenko D.** (Saint Petersburg). Weakness in the upper limb. Differential diagnosis: upper aperture syndrome, Hirayama disease, multifocal motor neuropathy

CONFERENCE ROOM | 09:00-10:30

CONFERENCE ROOM CLINICAL LABORATORY MEDICINE BREAKOUT SESSION

Chairs: Zybina N., Zhilenkova Yu., Vasilyeva E. (Saint Petersburg)

Gorbunova P. (Simferopol). Characteristics of leukocytes to determine the probability of death in patients with liver cirrhosis

Ivanchikhina A. (Saint Petersburg). Effect of the level of expressed and soluble podoplanin on thromboembolic complications in cancer patients

Kalashnikova Yu. (Irkutsk). Clinical significance of studies on the detection of anti-erythrocyte antibodies in trauma and orthopedic patients

Starikova D. (Kirov). Significant microbiological risk factors for the development of infectious complications after caesarean section

Khimina M. (Saint Petersburg). Prognostic value of lactate dehydrogenase as a marker of long-term changes in erythrocyte morphology in patients after coronavirus infection

CONFERENCE ROOM | 10:45-11:15

LECTURE CLINICAL APPLICATIONS OF SPECTRAL CT DATA

(sponsored by Phillips)

Malekov D. (Saint Petersburg)

SMALL HALL | 09:00-11:15

BREAKOUT SESSION PUBLIC HEALTH AND HEALTHCARE MANAGEMENT

Chairs: Khorkova O., Aristov V., Ovchinnikov D. (Saint Petersburg)

Borovaya E. (Belarus). Quality of life of long livers with different olfactory status **Galkina M.** (Moscow). Impact of post-COVID conditions on the educational process of university students

Girich T. (Simferopol). Comparative analysis of the influence of society on the desire to change appearance in adolescents of both sexes

Kozlov N. (Krasnoyarsk). Analysis of the knowledge and skills of medical students using the example of emergency conditions in the provision of first aid

Konchak V. (Belarus). The COVID-19 pandemic and the microclimate in healthcare organizations

Kurashenko V. (Saint Petersburg). The patient's experience as an object of study in a patient-centered system of medical care

Majorskaya A. (Samara). Epidemiological picture in the first wave of the COVID-19 pandemic in the Samara region with the calculation of excess mortality

Mikheeva M. (Smolensk). Schoolchildren's awareness of contraception and menstrual hygiene

Oppedisano M.-D. L. (Saint Petersburg). Overtime work among doctors in the Northwestern Federal District

Savicheva V. (Saint Petersburg). Some modern aspects of HIV prevention, morbidity and treatment in the Russian Federation

Trukhanovich Ya. (Belarus). Motivation for choosing the profession of a doctor and career guidance

Fedoskina A. (Ryazan). Modern information technologies used in medical practice **Fedotova A.** (Saint Petersburg). The study of potential healthcare staffing by studying the motivation of IME students for professional activities

COFFEE POINT | 09:00-11:15

BREAKOUT SESSION NUCLEAR MEDICINE: ONCOLOGY AND MORE

Chairs: Yudina O., Stanzhevsky A., Ivanova A., Kirichenko A. (Saint Petersburg)

Zyryanova A. (Saint Petersburg). Clinical case of combined disease: paraganglioma of the right carotid sinus and AA-amyloidosis of the heart based on the findings of PET-CT with 68GA-DOTA-TATE

Kasatova A. (Novosibirsk). Evaluation of cytotoxicity and accumulation of various lithium salts in human skin melanoma cells SK-Mel-28

Malanova A. (Saint Petersburg). PET-CT diagnosis of an ectopic parathyroid gland: a clinical case

Taskaeva Yu. (Novosibirsk). Prospects for using lithium in neutron capture therapy: analysis of the biodistribution and nephrotoxicity of lithium in a mouse model of skin melanoma

Tsentr N. (Saint Petersburg). Clinical case of pheochromocytoma with hyperproduction of ACTH

Tsyrulnikova L. (Saint Petersburg). Clinical case of multiple endocrine neoplasia type

SMART ROOM | 09:00-11:15

MASTERCLASS
ULTRASOUND WORKSHOP:
MASTERING ULTRASOUND IN THE DOCTOR'S PRACTICE
(sponsored by GE)

ENTRANCE HALL, 2ND FLOOR | 09:00-11:15

BREAKOUT SESSION MOLECULAR BIOLOGY, BIOCHEMISTRY, GENETICS

Chairs: Kostareva A., Kalinina O., Dubrovsky Ya. (Saint Petersburg)

Akino A. (Saint Petersburg). The role of changes in the subpopulation composition of T-regulatory lymphocytes in COVID-19

Akhmedzyanova M. (Irkutsk). Methylmalonic adycuria: a clinical case

Borodin M. (Saint Petersburg). Search for genes, markers of diabetic neuropathy, in the hypothalamus and cortex of rats with streptozotocin diabetes and the effect of the pain drug KB-R7943 on their expression

Velikova M. (Saint Petersburg). Study of the electrophoretic mobility of taurine **Gross M.** (Chelyabinsk). The role of genetic polymorphisms in the development of inflammatory periodontal diseases

Gurova E. (Saint Petersburg). Determination of the pool of amino acids by capillary electrophoresis as an integral part of metabolomic analysis

Dzhugashvili E. (Novosibirsk). Comparative analysis of the levels of tumorassociated MIR-24 and MIR-101 in blood exosomes and ascitic fluid in patients with stage IIIB-IIIC ovarian cancer

Domanin A. (Belgorod). Evaluation of the cytotoxic activity of the bacterial pigment violacein against RAGI and TF-1 cell lines

Zakharova A. (Saint Petersburg). Testing the new SERVICEBIO environment on VALVE INTERSTITIAL CELLS(VICs)471

Kuleeva Yu. (Saint Petersburg). Study of the possibility of using capillary electrophoresis to determine KB-R7943 in tissues and biological fluids

Kulichik O. (Saint Petersburg). Biophysical consequences of contact disruption in VSD-I voltage-gated sodium channels of the heart

Pankratova S (Kazan). Study of the effect of the rs5443 polymorphism of the GNB3 gene on the development of glaucoma

Rokunov E. (Ryazan). Effect of sex hormones on the amount and activity of pregnane X receptor and constitutive androstane receptor in vitro

Saitkulova M. (Novosibirsk). The potential of extracellular urinary vesicles as a source of miRNAs – diagnostic markers of castration-resistant prostate cancer

Sidorov I. (Kursk). Neuronal ceroid lipofuscinosis type II caused by a homozygous mutation in the TPP1 gene: a clinical case

Chechetkina S. (Novosibirsk). Study of the process of formation of neuroepithelial structures on the model of human cerebral organoids with Contactin 6 overexpression

SIMULATION CENTRE | 09:00-17:00

5TH ALL-RUSSIAN STUDENT COMPETITION IN CARDIOLOGY 2ND LIVE STAGE

SIMULATION CENTRE, LARGE HALL 09:00-11:15

MASTERCLASS
SHAPING CLINICAL THINKING WITH THE USE OF VIRTUAL
REALITY TECHNOLOGY

Ripp T. (Saint Petersburg)

KOLESOV HALL | 09:00-11:15

BREAKOUT SESSION CARDIOLOGY: NON-CORONARY DISEASES

Chairs: Moiseeva O., Goncharova N., Simakova M. (Saint Petersburg)

Alekseeva A.V. (Astrakhan). Clinical and diagnostic manifestations of cardiac echinococcosis: a clinical case

Akhmetova A. (Saint Petersburg). The role of the autonomic nervous system in the pathogenesis of chronic thromboembolic pulmonary hypertension.

Bykova M.A. (Saint Petersburg). Evaluation of sleep-disordered breathing in patients after heart transplantation and COVID-19 infection

Vorontsova E. (Saint Petersburg). Evaluation of the variance of the QT interval at rest and ortho-position in patients with primary electrical myocardial diseases

Goglev A. (Republic of Belarus). Mean age at diagnosis of atrial fibrillation in men and women depending on the length of night shift work

Gorbacheva E. (Moscow). Predictors of adherence to therapy in patients with atrial fibrillation

Grebeneva E. (Kirov). Results of a retrospective observational study in patients with pulmonary embolism and cancer

Ibragimova R. (Simferopol). Clinical features of the course of cardiac myxomas in patients of the cardiac surgery department at the Multidisciplinary Republican Medical Centre of the Semashko Republican Clinical Hospital in the period from 2017 to 2023

Korzhova M. (Saint Petersburg). Results of pathological examination in patients with infective endocarditis

Kotova A. (Saint Petersburg). Cardiac MRI in patients with pulmonary arterial hypertension: clinical relevance in mortality risk stratification

Murzo V. (Moscow). Predictors of the development of ventricular premature beats and the effectiveness of early prescription of β -blockers for patients with SARS-COV-2 infection

Obraztsova L. (Barnaul). Clinical and echocardiographic features of the chronic heart failure phenotype with severe tricuspid regurgitation

Parkhomenko S. (Saint Petersburg). Pulmonary embolism: possibilities of transcatheter treatment in the intermediate-high risk group

Petushkov I. (Moscow). Hematological mask of infective endocarditis as a cause of fever of unknown origin

Pronyaeva K. (Novosibirsk). Determining the clinical significance of the p.Asn515del genetic variant in the MYBPC3 gene in vitro

Salakhova Z. (Kazan). Manifestations of anxiety-depressive conditions depending on the stage of hypertension

Skuratova O. (Voronezh). The role of intestinal microbiota in the development of arterial hypertension with metabolic disorders

Sumanova A. (Kursk). Evaluation of the vascular wall stiffness and vasomotor function in young people

Shuncheva V. (Saint Petersburg). Biomarkers of fibrosis and inflammation as possible predictors of earlier onset of respiratory support in a cohort of patients with obstructive sleep apnea and atrial fibrillation

ALMAZOV HALL | 11:30-13:30 | CLIVE



PLENARY SESSION OPENING CEREMONY

Chairs: Golodets O. (Moscow), Korobko I. (Moscow),

Beglov A. (Saint Petersburg). Shlvakhto E. (Saint Petersburg)

Welcoming remarks:

Murashko M. (Moscow), Minister of Health of the Russian Federation

Falkov V. (Moscow), Minister of Science and Higher Education of the Russian Federation

Krasnikov G. (Moscow). President of the Russian Academy of Sciences

Beglov A. (Saint Petersburg), Governor of Saint Petersburg

Golodets O. (Moscow), Deputy Chair of Sberbank Board

Korobko I. (Moscow). Priority areas of research and development in medical science

Shlyakhto E. (Saint Petersburg). Innovations in modern healthcare

ALMAZOV HALL | 14:00-17:20

ALL-RUSSIAN INDIVIDUAL SCHOOL STUDENT COMPETITION WITH INTERNATIONAL PARTICIPATION

MENDELEEV HALL | 14:00-15:00

LECTURE
FUTURE OF MEDICINE AND MEDICAL SCIENCE:
WHAT TO EXPECT AND TO LEARN?
FUTURE JOBS IN DEMAND

Konradi A. (Saint Petersburg)

MENDELEEV HALL | 15:10-16:10

LECTURE
HORMONAL CONTRACEPTION: RISKS IN THE CROSSHAIRS

Kuznetsova L. (Saint Petersburg).

CONFERENCE ROOM | 14:00-15:00

MASTERCLASS
CT ANGIOGRAPHY AT ALMAZOV CENTRE. ANATOMY –
DO WE KNOW EVERYTHING?

Alekseeva D. (Saint Petersburg). Pulmonary vessels Basek I. (Saint Petersburg). Aorta Berkovich G. (Saint Petersburg). Coronary arteries Menkov I. (Saint Petersburg). Heart

CONFERENCE ROOM | 15:10-17:20

BREAKOUT SESSION DIAGNOSTIC RADIOLOGY (INCLUDING ULTRASOUND AND MRI)

Chairs: Fokin V., Basek I., Alekseeva D. (Saint Petersburg)

Borshevetskaya A. (Saint Petersburg). Imaging in cardiac surgery: preoperative planning and postoperative control

Galyautdinova L. (Saint Petersburg). Multiple aortic aneurysms of specific etiology: a clinical case

Glebov S. (Saint Petersburg). Diffuse low-grade astrocytoma of the tectum: a clinical case

Egorova V. (Saint Petersburg). Atypical course of Warthin's tumor

Zhivitsa Yu. (Saint Petersburg). Sinonasal non-gestational choriocarcinoma

Zavgorodnyaya V. (Saint Petersburg). Clinical case of isolated tuberculous pleurisy **Ilyushkina I.** (Saint Petersburg). Resting-state fMRI in the assessment of brain changes in patients with multiple sclerosis

Krasnoperova M. (Saint Petersburg). Complication of a new coronavirus infection **Maslov N.** (Saint Petersburg). Radiogenomic approach to glioma imaging **Paleeva I.** (Saint Petersburg). Improved technique of MR pelvimetry/fetometry **Petrakovich A.** (Saint Petersburg). Intraductal papillary mucinous neoplasm of the pancreas: a clinical case

Tsvetkova N. (Saint Petersburg). Clear cell renal cell carcinoma of the left kidney in a patient with chronic anemia: a clinical case

Yuzhnaya R. (Saint Petersburg). Complication of destructive pneumonia associated with COVID-19.

SMALL HALL | 14:00-17:20

BREAKOUT SESSION PEDIATRIC DISEASES (PART 1)

Chairs: Nikitina I., Kelmanson I., Petrova N. (Saint Petersburg)

Afonina Ya. (Saint Petersburg). Structure and features of the course of atrial tachyarrhythmia in children in different age groups

Balakina S. (Saint Petersburg). Stress, personality characteristics and eating behavior in obese adolescents

Grigorieva K. (Saint Petersburg). The problem of allergic enteropathy in modern pediatrics

lobst O. (Saint Petersburg). Register of patients with congenital hyperinsulinism treated under the international protocol

Kalybina R. (Saint Petersburg). Assessment of dental status in adolescents with type 1 diabetes mellitus

Kalyamova A. (Kazan). Peculiarities of infant feeding

Likhacheva A. (Tyumen). Changes in the vegetative status of adolescents involved in highly dynamic sports

Mikhralieva B. (Saint Petersburg). Diagnostic possibilities of magnetic resonance imaging in the diagnosis of hypertrophic cardiomyopathy

Nikolaeva E. (Kazan). Rapunzel syndrome in pediatric patient

Oreshkina E. (Saratov). The state of the hypothalamic-pituitary-gonadal axis in girls of the first three years of life with isolated thelarche

Plokhotskaya L. (Saratov). Bullous epidermolysis of the newborn: a clinical case **Rustyanova D.** (Samara). Prediction of the development of the "athletic triad" in young ballerinas using artificial intelligence

Salakhova K. (Kazan). Determining the level of serotonin and its metabolites in children with familial hypercholesterolemia

Sitnik A. (Saint Petersburg). Features of the control of bronchial asthma in children in a pediatric practice

Characterova E. (Saint Petersburg). Optimization of methods for non-invasive assessment of hemodynamics in the pulmonary circulation in primary pulmonary hypertension

Tsibizova V. (Saratov). Features of the bioelectrical activity of the brain in newborns of different gestational age

Chernyakhovskaya D. (Tomsk). Preclinical diagnosis of undifferentiated connective tissue dysplasia using standard anthropometric methods

Sheveleva L. (Saint Petersburg). Feeding children in the first year of life: medical and social aspects

COFFEE POINT | 14:00-16:10

COFFEE POINT HEMATOLOGY BREAKOUT SESSION

Chairs: Salogub G., Lomaia E., Stadnik E. (Saint Petersburg)

Eremina K. (Kursk). Relapse of acute leukemia 5 years after transplantation: a clinical case.

Kotova Yu. (Saint Petersburg). Analysis of the effectiveness of therapy for severe cytokine release syndrome after allogeneic transplantation of hematopoietic stem cells

Manaeva A. (Kursk). Clinical case of multiple myeloma with AL amyloidosis with damage to the kidneys and heart

Markelov V. (Saint Petersburg). Efficacy and safety of glofitamab in the treatment of refractory and relapsed B-cell non-Hodgkin lymphomas

Miterev N. (Saint Petersburg). Features of changes in complete blood count in transgender patients

Mitronin K. (Kursk). Routing of patients with iron deficiency anemia

Mikhailenko T. (Kursk). Features of the course and challenges in diagnosing acute lymphoblastic leukemia: a clinical case

SMART ROOM | 14:00-16:10

MASTERCLASS
ULTRASOUND WORKSHOP: MASTERING ULTRASOUND
IN THE DOCTOR'S PRACTICE

(sponsored by GE)

ENTRANCE HALL, 2ND FLOOR | 14:00-16:10

BREAKOUT SESSION DENTISTRY AND MAXILLOFACIAL SURGERY

Chairs: Solovieva A., Solovyov M., Chernovol E., Khatskevich G. (Saint Petersburg)

Geroev Kh. (Saint Petersburg). The use of modern optical devices at the stages of fixed restoration

Gorbunov A. (Simferopol). Morphometric features of the lower jaw with the correct bite

Zmeeva E. (Moscow). Modern trends in surgical treatment of dental patients **Kovrizhkina E.** (Moscow). The relationship of social adaptation of junior students and the level of dental education of RUDN University students

Popov B. (Saint Petersburg). Experience with the use of Pseudomonas aeruginosa bacteriophage in a patient with limited socket osteomyelitis and a history of acute myeloid leukemia: a clinical case

Semiglazova Yu. (Saint Petersburg). Ways to optimize the treatment of patients of the older age group with an increased gag reflex

Cherkashina M. (Krasnoyarsk). Cystic lesions of the jaws

SIMULATION CENTRE, LARGE HALL 14:00-15:30

MASTERCLASS BASIC CPR AND FIRST AID IN EMERGENCY

Zverev A. (Saint Petersburg)

SIMULATION CENTRE, LARGE HALL 15:45-17:15

MASTERCLASS ADVANCED RESUSCITATION ALGORITHM

Ripp T. (Saint Petersburg)

MENDELEEV HALL | 16:20-17:20

MASTERCLASS BASIC CPR

Rzheutskaya R. (Saint Petersburg)

SIMULATION CENTRE, LARGE HALL 17:30-19:00

MASTERCLASS
CRITICAL PATIENT EXAMINATION ALGORITHM

Ripp E. (Saint Petersburg)

KOLESOV HALL | 14:00-17:20

TRAINING SESSION ON DIZZINESS

Azovtseva E. (Saint Petersburg)

PAVLOV HALL | 09:30-11:00 |



MEETING OF THE RAS COUNCIL ON PERSONALIZED MEDICINE (PART 1) INNOVATIONS FOR PERSONALIZED MEDICINE

Chairs: Golukhova E. (Moscow), Vlasov V. (Novosibirsk)

Vlasov V., Tikunova N. (Novosibirsk). Prospects for using bacteriophages for the treatment of diseases caused by drug-resistant bacteria

Golukhova E. (Moscow). Using machine learning methods for personalized mortality risk assessment after coronary artery bypass surgery

Tikunova N. (Novosibirsk). Encema – an innovative drug of a humanized antibody for emergency prevention and treatment of viral tick-borne encephalitis

Richter V.A. (Novosibirsk). Clinical trials of the first Russian genetically modified oncolytic virus VV-GMCSF-Lakt

LANG HALL | 09:30-11:00 | CIVE



SATELLITE SYMPOSIUM THE PRESENT AND FUTURE IN THE DIAGNOSIS AND THERAPY OF PROGRESSIVE DUCHENNE MUSCULAR DYSTROPHY

(sponsored by Roche Moscow)

Chair: Sosnina I. (Saint Petersburg)

Sosnina I. (Saint Petersburg). Organization of medical care for patients with progressive DMD

Kiselev A. (Saint Petersburg). Possibilities of diagnosing progressive DMD Suslov V. (Saint Petersburg). Profile of a patient with progressive DMD, modern possibilities in therapy

KOROTKOV HALL | 09:30-11:00 |



SYMPOSIUM

LEAGUE OF ANGIONEUROLOGY. TRANSIENT DISORDERS OF CEREBRAL CIRCULATION: CAUSES, COMPLICATIONS AND ORGANIZATION OF CARE

Chairs: Voznyuk I. (Saint Petersburg), Yanishevsky S. (Saint Petersburg)

Yanishevsky S. (Saint Petersburg). Transient ischemic attack: definitions, etiology, pathogenesis and prevention of recurring events

Kulesh A. (Perm). Reversible cerebral vasoconstriction syndrome

Demin D. (Astrakhan). Paradoxical embolism: from clinical suspicion to surgical prevention

Khasanova D. (Kazan). Hemorrhagic transformations in reperfusion therapy and ways of minimization (sponsored by EVER Neuro Pharma)

Voznyuk I. (Saint Petersburg). Organization of care for patients with transient disorders of cerebral circulation

BOTKIN HALL | 09:30-11:00

SYMPOSIUM MICROBIOTA AND MICROBIAL THERAPY

Chair: Ermolenko E. (Saint Petersburg)

Sitkin S. (Saint Petersburg), **Vakhitov T.** (Saint Petersburg), **Sall T.** (Saint Petersburg). The role of fucosylated glycans in inflammatory bowel diseases: a metabolomic approach

Arbatskaya N. (Saint Petersburg). Comparison of methods of correction of intestinal microbiota in pregnant women with biliary dyskinesia

Punchenko O. (Moscow). Probiotics in obstetrics and gynecology

Popova P. (Saint Petersburg), **Isakov A.** (Saint Petersburg), **Anopova A.** (Saint Petersburg). The contribution of the intestinal microbiome to the prediction of postprandial glycemia and the possibility of personalized nutrition

Almekhina I. (Moscow). The role of intestinal microbiota correction in the hypoglycemic therapy of gestational diabetes mellitus

Baryshnikova N. (Saint Petersburg). Probiotic correction of microbiota disorders in statin therapy

LIBRARY HALL | 09:30-11:00

WCRC SYMPOSIUM INDUCED PLURIPOTENT STEM CELLS FOR HUMAN DISEASE MODELLING (PART 2)

Chair: Malashicheva A. (Saint Petersburg)

Dementieva E. (Saint Petersburg). iPSC modelling of genetic variants of HCM

Hudiakov A. (Italy). Cellular models of LQTS (online)

Lebedeva O. (Moscow). FLNC-expression in isogenic cell model

of FLNC-associated restrictive cardiomyopathy

Dmitrieva R. (Saint Petersburg). Cellular models for studying molecular mechanisms of muscular dystrophy combined with myocardial damage

Klimenko E. (Saint Petersburg). iPSC modelling of FLNC-related disorders

FILATOV HALL | 09:30-11:00

TWO-DAY INTERNATIONAL SEMINAR
PERSONALIZED APPROACH TO THE DIAGNOSIS AND
TREATMENT OF GYNECOLOGICAL DISEASES (PART 2)

Chairs: Pervunina T. (Saint Petersburg), Ulrikh E. (Saint Petersburg)

Atasever M. (Turkey), Pervunina T. (Saint Petersburg). Opening remarks

Kiseleva M. (Moscow). Oncofertility: realities and perspectives

Kurdiani D. (Georgia). Cervical cancer during pregnancy: practical guidelines

Dikareva E. (Saint Petersburg), **Ulrikh E.** (Saint Petersburg). Ovarian malignancy during pregnancy: practical guidelines

Semiglazova T. (Saint Petersburg). Breast cancer and pregnancy: practical guidelines

Govorov I. (Saint Petersburg), **Komlichenko E.** (Saint Petersburg). Modern technologies in fertility preservation in children and adolescents

VIRTUAL HALL | 09:30-10:30

TWO-DAY INTERNATIONAL SEMINAR **CURRENT STATUS OF GENETIC DYSLIPIDEMIA DIAGNOSTICS** AND TREATMENT: POSITION OF PHARMACOLOGIST AND **CLINICIAN (PART 2)**

Chair: Alieva A. (Saint Petersburg)

Baragetti A. (Italy). Harnessing "omics" to empower the identification of genetically determined dyslipidemias

Sadykova D., Slastnikova E., Haliullina Ch. (Kazan). Genetic dyslipidemias in childhood

Casula M. (Italy). The experience of the LIPIGEN in Italy: familial hypercholesterolemia and beyond



MEETING OF THE RAS COUNCIL ON PERSONALIZED MEDICINE (PART 2)

PM STRATEGIES IN THE RUSSIAN FEDERATION: SCIENTIFIC FOUNDATIONS AND THE ROLE OF THE RUSSIAN **ACADEMY OF SCIENCES**

Chairs: Piradov M. (Moscow), Shlyakhto E. (Saint Petersburg)

Piradov M. (Moscow). Welcoming remarks. Personalized medicine as a research area of the Russian Academy of Sciences

Shlyakhto E. (Saint Petersburg). Strategy for the transition to personalized medicine. World experience and first successes in Russia

Sychev D. (Moscow). Personalized pharmacotherapy

Mokrysheva N. (Moscow). Personalized approach and population studies: opponents or allies?

Lukyanov S. (Moscow) Autoimmune diseases and personalized medicine. Sectoral suppression of T-cell immunity as a new strategy for targeted therapy

LANG HALL | 11:15-12:45 |



SYMPOSIUM TOPICAL ISSUES OF PSYCHIATRY AND PSYCHOTHERAPY

Chairs: Abritalin E. (Saint Petersburg), Petrova N. (Saint Petersburg)

Abritalin E. (Saint Petersburg). Current trends in psychopharmacotherapy: remakes or innovations?

(sponsored by Canonpharma)

Petrova N. (Saint Petersburg). Post-covid mental disorders as a topical interdisciplinary problem

Ochilov U. (Uzbekistan). Features of the anxiety-depressive disorders formation in adolescence

Erichev A. (Saint Petersburg). Schema therapy: features of use in personality disorders and personality traits

Peturov I. (Saint Petersburg). Acceptance and responsibility psychotherapy techniques for anxiety, depression and chronic pain

Khabarov I. (Saint Petersburg). Diagnostic and military medical examination problems of mental disorders

KOROTKOV HALL | 11:15-12:45 | CIVE



SATELLITE SYMPOSIUM SMA IN ADULTS: CHANGING LIFE FOR THE BETTER

(sponsored by Johnson & Johnson)

Chairs: Illarioshkin S. (Moscow), Alekseeva T. (Saint Petersburg)

Alekseeva T. (Saint Petersburg). Algorithm for the diagnosis of spinal muscular atrophy in adults and the choice of pathogenetic therapy

Kiselev A. (Saint Petersburg). Current trends in molecular genetic testing and therapy of spinal muscular atrophy

Illarioshkin S. (Moscow). Updates on the results of SMA treatment in adults: data from real clinical practice

Yurchenko A. (Bryansk). Organization of medical care for SMA patients in the Bryansk region: examples of modern pathogenetic therapy Khokhlov A. (Tula). Spinraza administration in a patient with scoliosis

BOTKIN HALL | 11:15-12:45

SYMPOSIUM ANTIMICROBIAL AND ANTITUMOR PHARMACEUTICALS

Chair: Shamova O. (Saint Petersburg)

Shamova O. (Saint Petersburg), **Zharkova M.** (Saint Petersburg). Peptides of the innate immune system as novel antimicrobial and antitumor drugs

Sidorenko S. (Saint Petersburg). Antimicrobial resistance: what's new

Azarov D. (Saint Petersburg). Phage therapy at the present stage: current problems and prospects

Tsapieva A. (Saint Petersburg). Oncolytic bacteria in cancer therapy

Todorov S. (Brazil). Antifungal and antioxidant properties of bacteriocinogenic lactic acid bacteria

Ermolenko E., Orlova V. (Saint Petersburg). Microbiota in metabolic syndrome and ways of correction

LIBRARY HALL | 11:15-12:45

SYMPOSIUM NEW TECHNOLOGIES IN CATHETER ABLATION

Chairs: Romanov A. (Novosibirsk), Mikhailov E. (Saint Petersburg)

Mikhailov E. (Saint Petersburg). Laser catheter ablation

Romanov A. (Novosibirsk). Electroporation

Korobchenko L. (Saint Petersburg). Modification of the myocardial microvasculature flow

Ivanenko A. (Arkhangelsk). Super-high power radiofrequency ablation for atrial fibrillation

FILATOV HALL | 11:15-12:45

SYMPOSIUM GENETICS AND REPRODUCTION

Chairs: Kostareva A. (Saint Petersburg), Kogan I. (Saint Petersburg)

Kogan I., Kiselev A. (Saint Petersburg). Targeted genetically engineered constructs in the treatment of human diseases (experience of the Institute)

Bespalova O. (Saint Petersburg), **Shengelia M.** (Saint Petersburg), **Pachulia O.** (Saint Petersburg). Personalized periconceptional prevention of multiple congenital fetal anomalies

Nasykhova Yu. (Saint Petersburg), Glotov A. (Saint Petersburg), Glotov O. (Saint Petersburg). Genetic mapping of reproductive health Koshevaya Yu. (Saint Petersburg). The role of genetic counseling in the reproductive health of a married couple

VIRTUAL HALL | 11:15-12:45

SYMPOSIUM
POST-MASTECTOMY SYNDROME: WHAT'S NEW IN
PATHOGENESIS AND TREATMENT

Chairs: Myasnikova M. (Saint Petersburg), Fionik O. (Saint Petersburg)

Yanshole L. (Novosibirsk), Nimaev V. (Novosibirsk), Tsentalovich Yu. (Novosibirsk). Metabolomic study of biological fluids in secondary lymphedema associated with a history of breast cancer

 $\label{eq:pospelova M.} \textbf{(Saint Petersburg)}. The neurologist's role in the treatment of complications of antitumor treatment: from complaints to connectome$

Krasnopeev Yu. (Saint Petersburg), Makhanova A. (Saint Petersburg),

Krasnikova V. (Saint Petersburg), **Tonyan S.** (Saint Petersburg), **Nikolaeva A.** (Saint Petersburg). Clinical presentation and stages of rehabilitation in patients with post-mastectomy syndrome: new and well-forgotten old

Bit-Sava E. (Saint Petersburg). Reconstructive plastic surgery in patients with breast cancer

Lapekin S. (Saint Petersburg), Myasnikova M. (Saint Petersburg). Prognostic value of morphofunctional features of the lymphatic bed of the upper extremities based on lymphoscintigraphy

PAVLOV HALL | 13:30-15:00 | CIVE



MEETING OF THE RAS COUNCIL ON PERSONALIZED MEDICINE (PART 3) STATE-OF-THE-ART PM TECHNOLOGIES

Chairs: Sychev D. (Moscow), Lukyanov S. (Moscow)

Boitsov S. (Moscow). Personalized approach to the choice of therapy based on a digital portrait of a cardiac patient. Possibilities of decision support service Rebrikov D. (Moscow). Personalized gene therapy

Trofimov D. (Moscow). Whole exome sequencing as a basis for neonatal screening and personalized medicine from birth

Gabibov A. (Moscow). Serology in the 21st century: identification of immune landscapes for the diagnosis and therapy of immune disorders and cancer

LANG HALL | 13:30-15:00 | DIVE



INTERNATIONAL MINI SYMPOSIUM GENETICS. CLINIC AND POSSIBILITIES OF PERSONALIZED BIOLOGICAL THERAPY IN AUTOINFLAMMATORY AND **AUTOIMMUNE DISEASES**

Chairs: Golovkin A. (Saint Petersburg), Kudryavtsev I. (Saint Petersburg)

Myachikova V. (Saint Petersburg), Moiseeva O. (Saint Petersburg), Maslyansky A. (Saint Petersburg). Recurrent pericarditis: differential diagnosis, risk factors for adverse events, modern approaches to therapy

Borisov E. (Krasnoyarsk). Types of immune response in hypersensitivity diseases Selkov S. (Saint Petersburg), Chepanov S. (Saint Petersburg), Sokolov D. (Saint Petersburg), Mikhailova V. (Saint Petersburg), Zagainova V. (Saint Petersburg), Davydova A. (Saint Petersburg). A personalized approach to predicting the effectiveness of intravenous immunoglobulin therapy for reproductive disorders

Abdurasulova I. (Saint Petersburg). Gut microbiota as a factor in the initiation and progression of multiple sclerosis

Korsunsky I. (Israel). Neonatal screening for immunodeficiency: the future is here **Golovkin A.** (Saint Petersburg), **Khudyakov A.** (Italy), **Kalinina O.** (Saint Petersburg). Small non-coding RNAs: the path to personalized medicine

KOROTKOV HALL | 13:30-15:00 |



SYMPOSIUM NEURODEGENERATIVE AND DEMYELINATING DISEASES

Chair: Bisaga G. (Saint Petersburg)

Spirin N. (Yaroslavl), **Shipova E.** Differential diagnostic aspects of multiple sclerosis, neuromyelitis optica and MOG-associated. syndromes

Bisaga G. (Saint Petersburg). Promising cellular technologies in the treatment of MS. The world race for dendritic cell vaccines

Vorobiev S. (Saint Petersburg). Promising directions in the diagnosis of Alzheimer's disease

Milyukhina I. (Saint Petersburg). Pain and neurodegeneration: common facets, therapeutic strategies

Agafyina A., Borhovich A., Scherbak S. (Saint Petersburg). Invasive therapy for advanced stages of Parkinson's disease: innovative experience of Saint Petersburg **Kiselev D.** (Yaroslavl), **Karpova M., Spirin N.** Pain syndromes in patients with multiple sclerosis

Bezdenezhnykh A. (Krasnoyarsk). Multiple sclerosis rehabilitation: first results of a pilot project

BOTKIN HALL | 13:30-15:00

SYMPOSIUM PLENARY LECTURES ON INFECTIONS

Chairs: Totolyan A. (Saint Petersburg), Suvorov A. (Saint Petersburg)

Totolyan A. (Saint Petersburg). COVID-19 immunology: recent achievements and lessons learned from the pandemic

Lioznov D. (Saint Petersburg). Influenza during the COVID-19 pandemic: from epidemiology to prevention

Suvorov A. (Saint Petersburg). The importance of microbial therapy in modern medical practice

LIBRARY HALL | 13:30-15:00

WCRC SYMPOSIUM PROBLEMS OF CARDIO-ONCOLOGY

Chairs: Gendlin G. (Moscow), Moiseeva O. (Saint Petersburg)

Moiseenko F. (Saint Petersburg). The role of immune-mediated adverse events in the treatment of patients with malignant tumors

Emelina E. (Moscow). Results of arterial hypertension treatment in cancer patients **Gavrilyuk N.** (Saint Petersburg). Cardiovascular adverse events of therapy with Checkpoint inhibitors: intermediate results of prospective observational study **Gendlin G.** (Moscow). The problem of post-radiation heart damage

Simakova M. (Saint Petersburg). Venous thromboembolic complications in patients with brain tumors – opportunities for risk stratification and primary prevention

FILATOV HALL | 13:30-15:00

SYMPOSIUM UTERINE FACTOR INFERTILITY

Chairs: Kogan I. (Saint Petersburg), Irgasheva S. (Uzbekistan)

Obyedkova K. (Saint Petersburg), **Tapilskaya N.** (Saint Petersburg). Uterine factor infertility: therapeutic models

Yarmolinskaya M. (Saint Petersburg), **Molotkov A.** (Saint Petersburg). Individual protocols for the treatment and prevention of genital endometriosis: modern possibilities

Zazerskaya I. (Saint Petersburg). The endometrial polyp as a room for errors in management tactics

Gorelova I. (Saint Petersburg), **Maschenko I.** (Saint Petersburg), **Sokolova A.** (Saint Petersburg). Fertility prediction in endometriosis

VIRTUAL HALL | 13:30-15:00

SYMPOSIUM INTEGRATIVE NANOTECHNOLOGY IN PERSONALIZED MEDICINE

Chair: Shevtsov M. (Saint Petersburg)

Zimina T. (Saint Petersburg). Express methods of antibiotic resistance testing based on hybrid micro devices

Gao H. (China). Size and shape changeable nanoparticles for tumor immunotherapy

Xue X. (China). Targeting impaired neurovascular unit delivery system for Alzheimer's disease therapy

Suezov R. (Germany). Biodegradable polymeric nanoparticles for drug and gene delivery

Sonawane A. (India). Development of effective health care technologies for communicable and non-communicable diseases

Brichkina A. (Germany). Biodegradable polymeric nanocapsules for lung cancer therapy

PAVLOV HALL | 15:30-17:00 |



MEETING OF THE RAS COUNCIL ON PERSONALIZED MEDICINE (PART 4)

PERSONALIZED MEDICINE: CLINICAL ISSUES

Chairs: Kaprin A. (Moscow), Sukhikh G. (Moscow)

Drapkina O. (Moscow). Personalized prevention: opportunities and limitations of polygenic risk assessment

Kaprin A. (Moscow). Personalized oncology

Sukhikh G. (Moscow). Personalized approaches to diagnostic testing and therapy in obstetrics, gynecology, perinatology and reproductive medicine

Namazova-Baranova L. (Moscow). 7P-pediatrics:

a new paradigm for the preservation and promotion of children's health

LANG HALL | 15:30-17:00 |



SYMPOSIUM ANALYSIS OF COMPLEX CLINICAL CASES: NEUROLOGY

Chairs: Alekseeva T. (Saint Petersburg), Shuleshova N. (Saint Petersburg)

Shuleshova N. (Saint Petersburg), **Rudenko D.**, **Suslova G.** A case of repeatedly relapsing Bell's palsy in a young woman

Alekseevich G. (Krasnoyarsk). Comorbidity of multiple sclerosis: clinical cases **Demeshonok V.** (Saint Petersburg). Clinical assessment of the dynamics of the progression of amyotrophic lateral sclerosis

Malyshev S., Yanishevsky S., Simakov K., Kuzmin A., Alekseeva T.,

Topuzova M., Smirnova A. (Saint Petersburg). Status epilepticus in a patient with POLG-associated disease: a clinical case

KOROTKOV HALL | 15:30-17:00 |



SYMPOSIUM INNOVATIVE APPROACHES IN THE MANAGEMENT OF PULMONARY HYPERTENSION (PART 1)

Chairs: Galagudza M. (Saint Petersburg), Moiseeva O. (Saint Petersburg)

Karpov A. (Saint Petersburg). From modeling chronic thromboembolic pulmonary hypertension to new treatments

Goncharova N. (Saint Petersburg). New methods in the treatment of pulmonary hypertension: drugs, devices, interventions

Gorbatykh A. (Saint Petersburg). Interventional treatments for pulmonary hypertension

Tsareva N. (Moscow). Innovative approaches in the treatment of pulmonary hypertension: a pulmonologist's perspective

Bautin A. (Saint Petersburg). Use of inhaled nitrogen: for whom and when?

BOTKIN HALL | 15:30-17:00

SYMPOSIUM CORONAVIRUS INFECTION – THE ERA AFTER

Chairs: Suvorov A. (Saint Petersburg), Karonova T. (Saint Petersburg)

Kopteva O. (Saint Petersburg), **Desheva Yu.** (Saint Petersburg). Recombinant SARS-CoV-2 proteins to study antibodies in COVID-19 and after vaccination

Karonova T. (Saint Petersburg), Lagutina D., Mikhaylova A. (Saint Petersburg), Colovetyuk K. (Saint Petersburg), Shlyakhta E. (Saint Petersburg), Vitamia D.

Golovatyuk K. (Saint Petersburg), **Shlyakhto E.** (Saint Petersburg). Vitamin D treatment opportunities to prevent and treat COVID-19

Radaeva O. (Saransk). Post-COVID period in subjects with re-infection: new realities – COVID-19 re-infection

Korobova Z. (Saint Petersburg). Cytokine profile in COVID-19 and its dependence on the genetic variant

Ansokova M. (Moscow), **Marchenkova L.** (Moscow). Innovative digital technologies in the rehabilitation of patients after COVID-19

LIBRARY HALL | 15:30-17:00

SYMPOSIUM HEART AND BRAIN "ELECTRICAL DISEASES"

Chairs: Ulitin A. (Saint Petersburg), Lebedev D. (Saint Petersburg), Mitrofanova L. (Saint Petersburg)

Kostareva A. (Saint Petersburg). Heart and brain – the same genes, different diseases

Ryzhkova D. (Saint Petersburg). Capabilities of radionuclide methods for the heart and brain in patients with epilepsy and some types of dementia

Vasilenko A. (Saint Petersburg). Comparative analysis of clinical, morphological and electrophysiological data in vascular epilepsy

Mitrofanova L. (Saint Petersburg). HCN4 interstitial pacemakers in the heart and brain

Tatarsky R. (Saint Petersburg). Neuroactive association in ventricular arrhythmias and sudden cardiac death

FILATOV HALL | 15:30-17:00

SYMPOSIUM OBESITY AND ITS CORRECTION IN REPRODUCTIVE AND GESTATIONAL PROGNOSIS

Chairs: Zazerskaya I. (Saint Petersburg), Nikitina I. (Saint Petersburg)

Irgasheva S. (Uzbekistan). Population characteristics of PCOS as a significant marker of reproductive disorders

Liskina A. (Saint Petersburg), **Nikitina I.** (Saint Petersburg). Menstrual irregularities in adolescent girls with obesity

Mozgovaya E. (Saint Petersburg), **Seregina D.** (Saint Petersburg). Complications of childbirth in obesity – who is to blame and what to do?

Bettikher O. (Saint Petersburg), **Neumark A.** (Saint Petersburg). Effect of bariatric surgery: ovarian reserve

Abashova E. (Saint Petersburg). PCOS and overweight: how to break the vicious circle?

VIRTUAL HALL | 15:30-17:00

INTERNATIONAL SYMPOSIUM THE FETAL AND NEONATAL HEART: IMPLICATIONS FOR ADULT LIFE

Chairs: Kostyukov K. (Moscow), Pervunina T. (Saint Petersburg)

Tsibizova V. (Saint Petersburg). Prenatal diagnosis of critical congenital heart defects

Kostyukov K. (Moscow). Diagnosis and prediction of fetal cardiovascular abnormalities in feto-fetal transfusion syndrome

Lyaschenko D. (Orenburg). Normal anatomy of the aorta and pulmonary trunk in fetus at 16-22 weeks

Iskrovskaya A. (Saint Petersburg). Syndromic pathology in fetuses with CHD Zhubanysh N. (Kazakhstan). Atrioventricular block in a newborn: clinical case presentation

Potrakhov N. (Saint Petersburg). A new class of X-ray diagnostic equipment for neonatology and pediatrics in a non-specialized setting

PAVLOV HALL | 17:15-18:45 | Q



MEETING OF THE RAS COUNCIL ON PERSONALIZED MEDICINE (PART 5) PERSONALIZED MEDICINE: CLINICAL ISSUES

Chairs: Popov S. (Tomsk), Konradi A. (Saint Petersburg)

Popov S., Ryabov V. (Tomsk). The concept of systemic medicine in cardiology: barriers and perspectives

Tanashyan M. (Moscow). Personalized neurology

Aftanas L. (Novosibirsk). Personalization of treatment protocols for depression and panic disorders, psychosomatic and neurodegenerative diseases

Konradi A. (Saint Petersburg). Value-based medicine as a tool for implementing the personalized medicine concept

LANG HALL | 17:15-18:45 |



YOUNG SCIENTIST SESSION THE FUTURE OF NEUROLOGY IS TODAY

Chairs: Pospelova M. (Saint Petersburg), Ivanova N. (Saint Petersburg)

Tukhvatullin A. (Ufa). Multiple sclerosis and neuropsychiatric disorders **Smirnova A., Druzhinin D.** (Saint Petersburg). Methods for assessing the progression of motor neuron disease

Isabekova P., Alekseeva T. (Saint Petersburg). Risk factors and outcomes of COVID-19 in patients with myasthenia gravis

Chaykovskaya A., Topuzova M. (Saint Petersburg). The role of biomarkers of brain damage in the diagnosis of ischemic stroke

Valko Y. (Switzerland). Innovative facilities to diagnose dizziness

Belopasov V. (Astrakhan). Muscle damage in COVID, post COVID and long COVID **Khoroshikh A.** (Saint Petersburg). Development of a hardware system for wireless data transmission and signal generation to ensure the conduct of research related to neuro-(myo-)stimulation

KOROTKOV HALL | 17:15-18:45 |



SYMPOSIUM INNOVATIVE APPROACHES IN THE MANAGEMENT OF PULMONARY HYPERTENSION (PART 2)

Chairs: Moiseeva O. (Saint Petersburg), Ryzhkova D. (Saint Petersburg)

Alekseeva D. (Saint Petersburg). Dual-energy CT angiography in the diagnosis of pulmonary hypertension and chronic thromboembolic pulmonary hypertension: opportunities and prospects

Ryzkhov A. (Saint Petersburg). Magnetic resonance imaging of the heart and pulmonary artery: implications for pulmonary hypertension risk stratification and survival prediction

Ryzkhova D. (Saint Petersburg). Prospects for using PET-CT in pulmonary hypertension diagnostics

Koshevaya E. (Saint Petersburg). Modern approaches in the morphological study of pulmonary vascular diseases

BOTKIN HALL | 17:15-18:45

INTERNATIONAL MINI-CONFERENCE NEW GENERATION RECOMBINANT VACCINES

Chair: Suvorov A. (Saint Petersburg)

Isakova-Sivak I. (Saint Petersburg). Development of a recombinant vector vaccine for combined protection against influenza and COVID-19

Shurygina A. (Saint Petersburg). Mucosal vaccines: modern approaches to the assessment of immunogenicity

Morozova N. (Saint Petersburg). Creation of a medical diagnostic system based on CRISP-Cas technology

Krasilnikov I. (Saint Petersburg). Technological platform for new generation vaccines against respiratory viral infections

Stoma I. (Belarus). Immunogenicity of the Soberana Plus recombinant vaccine in the booster vaccination scheme: results of own phase IV clinical trials

LIBRARY HALL | 17:15-18:45

SYMPOSIUM INNOVATIONS IN EVERYDAY LABORATORY PRACTICE

Chairs: Gaikovaya L. (Saint Petersburg), Vavilova T. (Saint Petersburg)

Chernysh N. (Saint Petersburg). Urinalysis: from monocular to digital microscopy **Zhilenkova Yu.** (Saint Petersburg). Blood test: implementing innovative opportunities

Churyumova Yu. (Saint Petersburg). Genetic marker analysis: where to start research

Zolotova E. (Saint Petersburg). Coagulation analysis: new horizons **Lambakakhar M.** (Moscow). Point-of-care testing: implications for a multidisciplinary hospital

FILATOV HALL | 17:15-18:45

INTERNATIONAL SEMINAR
MODERN APPROACHES TO THE DIAGNOSIS, MANAGEMENT
AND TREATMENT OF PATIENTS WITH RARE AND HEREDITARY
DISEASES AND THEIR FAMILIES BASED ON REGISTRIES

Chairs: Petrova N. (Saint Petersburg), Kagantsov Y. (Saint Petersburg)

Kagantsov I. (Saint Petersburg). Afallia from A to Z
Agzamkhodzhaev S. (Uzbekistan). A clinical case of diphallia
Kalinina O. (Saint Petersburg), Zaykova E. (Saint Petersburg), Kaplina A. (Saint Petersburg). Genetic variants of the SIGIRR gene in newborns with congenital heart disease and necrotizing enterocolitis
Artamonova I. (Saint Petersburg). Mitochondrial respiratory chain disease

associated with a mutation in the COX10 gene

VIRTUAL HALL | 17:15-18:45

SYMPOSIUM A RARE DIAGNOSIS IN THE PRACTICE OF A PEDIATRICIAN

Chairs: Vasichkina E. (Saint Petersburg), Gurkina E. (Saint Petersburg)

Gurkina E. (Saint Petersburg). Hypophosphatasia: from the first symptoms to the diagnosis

Vasichkina E. (Saint Petersburg). Fabry disease in the practice of a pediatric cardiologist

Vershinina T. (Saint Petersburg). Hunter syndrome: multidisciplinary approach to diagnosis and treatment (sponsored by Skopinpharm)

Ivanilova A. (Saint Petersburg). Presentation of a unique clinical case of long QT syndrome combined with type III MPS

ALMAZOV HALL | 08:30-11:10

ALL-RUSSIAN INDIVIDUAL STUDENT COMPETITION WITH INTERNATIONAL PARTICIPATION

MENDELEEV HALL | 09:30-11:00 |



SYMPOSIUM MAKING AN APPOINTMENT WITH A DOCTOR: PRACTICAL SOLUTIONS FOR DIGITAL TRANSFORMATION

Chair: Tyufilin D. (Moscow)

Tarasenko T. (Moscow). Pilot project for the introduction of new methodological guidelines

Kuznetsov V. (Sakhalin). Accessible medicine in Sakhalin

Nemkov A. (Tyumen). Organization and experience with a centralized waiting list in the Tyumen region

Zakharov A. (Tula). Making an appointment with a doctor in the Tula region: work experience and results

Kosmina E. (Saint Petersburg). Cyberfitness as a new health-saving technology

CONFERENCE HALL | 09:00-10:00

INFECTIOUS DISEASES BREAKOUT SESSION

Chairs: Buzunova S., Vashukova M., Dunaeva N. (Saint Petersburg)

Bezlepkin A.S. (Volgograd). Herpes zoster: a clinical case

Belashov E.A. (Saint Petersburg). The combination of a new COVID-19 infection and HIV infection

Zdobnova V. (Ulyanovsk). Extrahepatic manifestations of chronic hepatitis C

Karaseva O. (Omsk). Clinical case of congenital cytomegalovirus infection in a very premature baby: long-term results

Litvin A. (Kursk). Multi-year study of clinical and epidemiological features of HIV infection in Kursk region

Usmanova A. (Kazan, Russia). Features of the clinical and epidemiological influenza A (H1N1) season in children in 2015 and 2022

Chernyshova M. (Tomsk). Medical and social portrait of a newly diagnosed patient with HIV-associated tuberculosis

CONFERENCE ROOM | 10:10-11:10

CLINICAL PHARMACOLOGY BREAKOUT SESSION

Chairs: Zagorodnikova K., Timofeeva S., Vlasova Yu. (Saint Petersburg)

Valuysky N. (Volgograd). Association of antiglycation activity of some natural extracts with polyphenol concentration

Iskalieva A. (Saint Petersburg). A clinical case of selecting a therapeutic dose of praziquantel for diphyllobothriasis treatment in a 3.5-year-old child

Kanuzeleva V. (Kursk). Modern prospects for statins use

 $\textbf{Kopanitsa M.} \ (\textbf{Ryazan}). \ \textbf{Glyconanoparticles of gold and possible mechanisms} \\ \text{of their antitumor activity in relation to CACO-2 cell culture}$

Nikitina E. (Ufa). Influence of 5-amino-substituted thietanylpyrazole on central serotonergic and adrenergic receptors when interacting with antagonists of these receptors

Sayfitdinkhuzhaev Z. (Tomsk). Role of NO-synthase on cardiovascular effects of macromolecular compounds of humic nature

Shushakova A. (Volgograd). Antiglycating properties of new compounds studying under conditions of the whole organism during intoxication of rats with methylglyoxal

SMALL HALL | 09:00-10:30

SYMPOSIUM INNOVATIONS IN MEDICAL EDUCATION

Chairs: Parmon E., Kukharchik G. (Saint Petersburg)

Balkizov Z. (Moscow). Requirements for a teacher and teaching medicine: problems and points of growth

Medvedev A., Goryaeva A., Kupriyanov M., Mashevsky G. (Saint Petersburg).

Experience in digital competencies in medical students

Pirogov A. (Saint Petersburg). Digitalization tools to improve the quality of the educational process

Lopatin Z. (Saint Petersburg). What do students want from the educational programs of the specialist training?

COFFEE POINT | 10:10-11:10

ANESTHESIOLOGY AND INTENSIVE CARE BREAKOUT SESSION

Chairs: Mazurok V., Bautin A., Leiderman I., Rzheutskaya R. (Saint Petersburg)

Kiyanova-Charskaya E. (Saint Petersburg). The role of microwave radiometry in assessing circadian rhythms of brain temperature in neuroresuscitation **Kutyreva I.A.** (Saint Petersburg). Difficulties in diagnosing PSHA syndrome **Leontieva T.** (Kursk). Non-traumatic rhabdomyolysis: a clinical case **Shabaev V.** (Saint Petersburg). Preclinical testing of a portable spirometer with the ability to verification of artificial lung ventilation devices

SMART ROOM | 09:00-16:00

MASTERCLASS
ULTRASOUND WORKSHOP: MASTERING ULTRASOUND
IN THE DOCTOR'S PRACTICE

(sponsored by GE)

ENTRANCE HALL, 2ND FLOOR | 09:00-12:20

BREAKOUT SESSION PATHOLOGY (ANATOMIC PATHOLOGY, PHYSIOLOGY)

Chairs: Galagudza M., Toropova Ya., Lelyavina T. (Saint Petersburg)

Ganiev O. (Khanty-Mansiysk). Impact of drinking water quality on oxidative metabolism and elemental status in the population of the Northern region and ways of their correction

Grishina A. (Saint Petersburg). Damage of a new COVID infection to the nervous system

Danilchuk M. (Saint Petersburg). Protective effect of various modes of administration of nicotinamide riboside on the relaxation and contractile function of the mesenteric vessels with doxorubicin-induced cardiomyopathy

Zavitaeva A. (Saint Petersburg). Clinical demonstration of a patient with inflammatory bowel disease

Zavyalov S. (Chelyabinsk). Structural changes in the myocardium of newborn rats associated with diabetic fetopathy

Ivoilova T. (Kazan). Study of the fibroblast growth factor receptor type 2 (FGFR2) as a potential molecular target for the treatment of gastrointestinal stromal tumors

Karapetyan A. (Kursk). Clinical case of feto-fetal transfusion syndrome

Kechkina V. (Rostov-on-Don). Monoaminergic mechanisms of gestational dominant formation in rats and their disorders during pregnancy complicated by pain syndrome

Kovalenko A. (Saint Petersburg). Mechanical effects under the influence of highintensity focused ultrasound on tissue-equivalent phantoms and biological objects **Kukushkina Yu.** (Saint Petersburg). Causes of changes in the morphofunctional phenotype of cardiomyopathy on explanted hearts material **Maksimova P.** (Simferopol). Surgical pathology of the thyroid gland in the Crimea in different periods of

COVID-19 pandemic

Marchenko I. (Rostov-on-Don). Gender characteristics of the impact of diabetes mellitus on the course

malignant process

Matveeva T. (Saint Petersburg). The impact of metabolic syndrome on the laboratory rats reproductive system

Murzaeva D. (Saint Petersburg). Hybrid peripheral nerve sheath tumor of the L2 spinal nerve with neurofibromatosis type 2: a rare clinical case

Obraztsova L. (Barnaul). The concentration of the chemokine CCL11 and the state of the hemostasis system during physical training in the experiment in young and old rats

Oppedisano M. (Saint Petersburg). Restructuring of the cranial mesenteric lymph nodes of newborn rats caused by the influence of ethanol on the mother's body 1 month before and during pregnancy

Papko K. (Saint Petersburg). Study of the expression of CD68-positive cells in the myocardium in post-acute coronavirus syndrome

Stepanova A. (Cheboksary). X-ray morphological analysis of pulmonary tuberculosis

Toksarova M. (Kazan). Pathological features of paragangliomas in hereditary syndromes of multiple endocrine neoplasms

Chernyshov N. (Tomsk). Options systemic inflammatory response in comorbidity of chronic obstructive pulmonary disease and metabolic syndrome

Shishkanova T. (Saransk). Integrated approach in the diagnosis of hypercoagulemia and microcirculation disorders in pregnant women with preeclampsia

SIMULATION CENTRE | 09:00-17:00

5TH ALL-RUSSIAN STUDENT COMPETITION IN CARDIOLOGY 3RD LIVE STAGE

SIMULATION CENTRE, LARGE HALL 08:30-14:40

OBSTETRICS AND GYNECOLOGY BREAKOUT SESSION

Chairs: Zazerskaya I., Kuznetsova L., Ishkareva V. (Saint Petersburg)

OBSTETRICS

Abramashvili I. (Saint Petersburg). Risks of pregnancy hypertensive complications in gestational diabetes mellitus and various target glycemic levels

Azimbayeva A. (Saint Petersburg). Evaluation of vascular stiffness parameters in pregnant women with preeclampsia

Alekseeva V. (Saint Petersburg). Clinical case of the effectiveness of the experimental protocol with antiestrogen in the IVF program

Veduta O. (Saint Petersburg). Methods extracorporeal hemocorrection in the prevention and treatment of hemolytic disease of the fetus and newborn during Rh-immunization of pregnant women

Gabdullina K. (Kazan). Preeclampsia screening in the Republic of Tatarstan **Guryanova E.** (Ulyanovsk). Intrauterine pneumonia of the fetus accounting maternal risk factors

Ivanova T. (Tver). Features of the microbiome of the cervical canal in isthmic-cervical insufficiency

Irgasheva R. (Yoshkar-Ola). Missed abortion and COVID-19 background **Kuznetsova A.** (Saint Petersburg). Dynamic assessment of BMD after childbirth **Makov A.** (Ulyanovsk). Summarizing the experience of pregnant women with NCI COVID-19: progress and unresolved problems

Markina V. (Saint Petersburg). Clinical assessment of preterm birth **Mosunova O.** (Saint Petersburg). Clinical and laboratory characteristics of the course and outcomes of pregnancies in women with premature detachment of a normally located placenta

Mustaeva V. (Simferopol). Performance evaluation PRP therapy for repeated implantation failures in frozen-thawed embryo transfers

Nefedova N. (Izhevsk). Analysis of clinical cases placental invasive-adhesive pathology.

Nikitina E. (Ulyanovsk). Placenta previa and CAS

Patiy E. (Saint Petersburg). Retrospective analysis of data from prenatal diagnosis of congenital diaphragmatic hernia

Rakhimova E. (Ulyanovsk). The most significant complications of pregnancy after a new COVID-19 infection in various gestational dates

Satushkina E. (Saint Petersburg). Physical activity and quality of life of pregnant women

Skalyga M. (Belgorod). Necrosis of the giant fibroid in the II trimester of pregnancy: a clinical case

Tamakhina O. (Saint Petersburg). The structure of pregnancy and childbirth complications in patients with systemic lupus erythematosus

Tursunova N. (Belgorod). Vaginal delivery after caesarean section in a patient with a bicornuate uterus

Chukhanova V. (Barnaul). Efficacy and safety of monoclonal antibodies in pregnant women with COVID-19 treatment

Shamshatdinova A.R. (Samara). Factors of endomyometritis after cesarean section

GYNECOLOGY

Alibekova N. (Saint Petersburg). Changes in the menstrual cycle after coronavirus infection

Ayapova A. (Kazakhstan). Sexual and reproductive health of youth in Astana, Kazakhstan

Baskaeva V. (Pyatigorsk). Endometriosis: a clinical case

Bobrova V. (Moscow). Cancer of the uterine body pT3AN1M1 IV B stage: clinical case

Efremova N. (Simferopol). Adhesion barrier in the program of endoscopic treatment of patients with tubal factor infertility

Kiseleva M. (Tyumen). Malignant pathology of uterus: comorbid status

Matveeva P. (Moscow). Preservation of reproductive material in patients with borderline ovarian tumors

Polyakova L. (Saint Petersburg). Combined infertility associated with the absence of ovulation and external genital endometriosis

Rubanova A. (Ulyanovsk). Modern concepts of risk factors for endometrial hyperplastic processes and endometrial cancer

Seryogina V. (Moscow). Gynecological morbidity in pediatric practice: past, present and future? (experience of the emergency pediatric gynecology department of Morozov Children's Clinical Hospital)

KOLESOV HALL | 08:30-10:00

BREAKOUT SESSION SCHOOL PROJECTS

Chairs: Burkova N., Butylin P., Tikhonravov D. (Saint Petersburg)

Balashov A. (Saint Petersburg). Effectiveness of music therapy as a relaxation method for middle and high school students

Ekimovskikh K. (Saint Petersburg). HIV infection: know and not be afraid! **Zaitseva A.** (Chelyabinsk). The effect of chronic alcohol intoxication on the morphological parameters of the left ventricle of the rat heart with type 1 diabetes mellitus

Romanov A. (Saint Petersburg). Quantitative determination of heavy metal ions in human hair extracts by spectrophotometric method

Sedikova A. (Saint Petersburg). Method for the products regeneration in "golden rain" reaction

Strilchenko A. (Saint Petersburg). Adaptive capabilities of the human body depending on the type and frequency of physical activity

Urvantseva E. (Saint Petersburg). Relaxing techniques using music therapy

ALMAZOV HALL | 11:20-12:50

MASTERCLASS HEART TRANSPLANTATION IN THE RUSSIAN FEDERATION

Fedotov P. (Saint Petersburg). News release perspectives on the management of patients with end-stage heart failure

Simonenko M. (Saint Petersburg). Opportunities for regular medical checkup to prevent hospitalizations in heart transplant recipients

Sazonova Yu. (Saint Petersburg). Acute heart failure or heart graft dysfunction in the early postoperative period

Mosoyan M., Fedorov D. (Saint Petersburg). First experience in robot-assisted prostatectomy after heart transplantation

Gogolev D. (Saint Petersburg). Experience of kidney transplantation in heart recipient

MENDELEEV HALL | 11:15-12:45 |



SYMPOSIUM DIGITAL MATURITY IN HEALTHCARE: REGIONAL EXPERIENCE IN APPLYING THE METHODS

Chair: Tarasenko T. (Moscow)

Bondarovich A. (Moscow). Digital maturity of medical organizations: main results of the assessment and prospects

Zakharov A. (Tula). Experience of the Tula region in increasing the digital maturity in healthcare

Boikov V. (Tomsk). Digital maturity of a medical organization:

its impact and how to develop?

Voevodin D. (Saint Petersburg). The experience of the Power Machines Company in the context of digital transformation

Zolotarev P. (Samara). Experience of the Samara region in increasing the digital maturity in healthcare

CONFERENCE ROOM | 11:20-13:30

YOUTH DISCUSSION CLUB THE WAY TO SLENDERNESS AND HARMONY – THROUGH HARDSHIPS TO THE STARS

Moderators: Mikhailova A., Lagutina D., Vanatova O. (Saint Petersburg)

Prokopieva V. (Saint Petersburg). Sweeteners: harm or benefit?

Shilov M. (Moscow). Dietary aspects of sarcopenic obesity treatment

Stein K. (Saint Petersburg). Overview of the most popular diets: pros and cons

Molokova V. (Saint Petersburg). Oral microbiota and obesity through the eyes of
a dentist. Who is to blame and what to do?

Petrova E. (Saint Petersburg). We are what we eat: Healthy eating and self-image Yeganyan Sh. (Saint Petersburg). Psychological "pill" of harmony Vanatova O. (Saint Petersburg). Interactive game – #student's snack

SMALL HALL | 10:45-12:15

SYMPOSIUM EXPERIENCE IN PERSONNEL TRAINING IN THE SYSTEM OF MEDICAL AND BIOMEDICAL EDUCATION IN RUSSIAN AND FOREIGN UNIVERSITIES

Chair: Sirotkina O. (Saint Petersburg)

Dzhainakbaev N. (Kazakhstan). Experience of international cooperation in the field of training and retraining at different levels of medical education

Neplueva G. (Saint Petersburg). Staff shortage in the cardiac care system: causes, consequences and ways to overcome

Zaitsev V. (Saint Petersburg). Experience in implementing projects of the Almazov Centre for the professional orientation of future cardiologist residents Moiseeva A. (Saint Petersburg). Competence-based approach to teaching specialist disciplines at the Department of Microbiology and Virology

Gaikovaya L. (Saint Petersburg). Continuous chemical/biological and medical education as an innovative area at the united Department of Clinical Laboratory Medicine, Biological and General Chemistry named after V. Sokolovsky Sirotkina O. (Saint Petersburg). Experience with the Master's in Biology program in a medical university

COFFEE POINT | 11:20-12:20

PSYCHOLOGY BREAKOUT SESSION

Chairs: Schukina M., Velikanov A., Makarova A. (Saint Petersburg)

Belov A. (Saint Petersburg). Self-attitude of people who grew up in alcoholic families

Koltsova E. (Kirov). The relationship of Internet-addicted behavior and personality traits among students of Kirov State Medical University

Kulakovskaya I. (Saint Petersburg). Aggressiveness of senior preschoolers in connection with parent-child relationships and aggressive behavior of mother **Lapitskaya V.** (Saint Petersburg). Occupational stress of the nursing staff

KOLESOV HALL | 11:00-12:20

LECTURE
MEDICAL MALPRACTICE: LEGAL PROTECTION ON REAL
CASES

Anisimov A. (Kazan).

KOLESOV HALL | 12:30-13:00

LECTURE
NEW ASPECTS IN UROLOGY

Vasiliev A. (Saint Petersburg)

ALMAZOV HALL | 13:00-14:30

MASTERCLASS PITFALLS IN MANAGEMENT OF PATIENTS WITH TERMINAL HEART FAILURE AND AFTER HEART TRANSPLANTATION

Fedotov P. (Saint Petersburg). Possibilities of restoring myocardial function in patients with end-stage heart failure: myth or reality?

Pervunina T. (Saint Petersburg). Eleven years of heart transplantation in children in the Russian Federation: Almazov Centre experience

Kosmacheva E. (Krasnodar). What innovations in heart transplantation can we use now?

Simonenko M. (Saint Petersburg). High-tech methods of HT patient treatment **Salov M.** (Saint Petersburg). Pancreatitis complicated by liver failure in patients after heart transplantation: difficulties in diagnosis and treatment

MENDELEEV HALL | 13:30-15:00 |



SYMPOSIUM ARTIFICIAL INTELLIGENCE IN PRACTICAL HEALTH CARE: MOSCOW EXPERIMENT

Chair: Vladzimirsky A. (Moscow)

Vladimirsky A. (Moscow). The Moscow experiment on computer vision in diagnostic radiology: main results, clinical and scientific significance, further development

Arzamasov K. (Moscow). Continuous quality control of artificial intelligence technologies

Sharova D. (Moscow). Scientific results – standards – clinical trials **Prosvirkin I.** (Moscow). The Moscow experiment from the perspective and experience of the developer company

CONFERENCE ROOM | 13:40-15:20

SURGERY BREAKOUT SESSION

Chairs: Danilov I., Neimark A., Kornyushin O. (Saint Petersburg)

Avdeenko V. (Obninsk). D3 lymph node dissection for cancer of the right half of the colon – modern possibilities

Biskaev P. (Krasnoyarsk). Clinical case: the choice of surgical restoration of the skin integrity

Goshaev G. (Turkmenistan). The impact of enriched plasma platelets on the cicatricial stenosis prevention after esophagus burns in experiment

Kazantaeva M. (Saint Petersburg). Protective role of longitudinal stomach resection in postinfarction heart failure in rats

Kapustina P. (Saint Petersburg). Possibilities of endoscopic ultrasonography in obstructive iaundice treatment

Koroleva K. (Saint Petersburg). Gastric graft for esophagoplasty on the right gastric artery

Lukyanova V. (Saint Petersburg). Experience of surgical tactics in patients with colorectal cancer and cardiac pathology

Ovchinnikova U. (Moscow). Robot-assisted procedures in patients with gastroesophageal reflux disease

Tomaev Yu. (Krasnoyarsk). Restoring innervation methods in reconstructive mammoplasty using the thoracic-spinal nerve

Chavkunkin V. (Krasnoyarsk). Rectal artery occlusion in recurrent hemorrhoids patients after transanal surgery

SMALL HALL | 12:45-14:15

SYMPOSIUM BEST PRACTICES FOR IMPROVING THE QUALITY OF MEDICAL EDUCATION

Chair: Kukharchik G. (Saint Petersburg)

Drobotya N. (Rostov), **Kharagurgieva I.** (Rostov). Internal quality control of educational activities as the most important condition for a modern doctor training: the experience of Rostov State Medical University

Tregubov A. (Saint Petersburg). Analysis of the results of a survey for doctors on the main provisions of clinical guidelines as a methodological basis for updating professional development programs

Zaitsev V. (Saint Petersburg). Interdisciplinary approach in the training of cardiologists: the experience and capabilities of the Almazov Centre **Lumpova A.** (Saint Petersburg), **Kukharchik G.** (Saint Petersburg). Feedback as a tool to improve the quality of the educational process

COFFEE POINT | 12:30-13:30

BREAKOUT SESSION TEAM APPROACH TO THE MANAGEMENT OF COVID-19ASSOCIATED CONDITIONS

Chairs: Ischuk T., Ovchinnikov D., Magomedova Z. (Saint Petersburg)

Bykova M. (Saint Petersburg). Evaluation of sleep-disordered breathing in patients after heart transplantation and COVID-19 infection

Efremova A. (Kursk). Features of the treatment of COVID-19 pneumonia in obese patients

Manaev N. (Kursk). Clinical case of acute lymphoblastic leukemia associated with novel coronavirus infection

Novikova T. (Kursk). Analysis of the course of COVID-19 pneumonia in patients with COPD

ENTRANCE HALL, 2ND FLOOR | 12:30-14:40

ENDOCRINOLOGY BREAKOUT SESSION

Chairs: Laevskaya M., Tsiberkin A., Bayrasheva V. (Saint Petersburg)

Ivanisova Yu. (Kursk) Pituitary histiocytosis: a clinical case

Isakov A. (Saint Petersburg). Mobile monitoring and decision support system for patients with gestational diabetes mellitus

Makarenko I. (Voronezh). Depression assessment in patients with diabetes mellitus **Mikhailova A.** (Saint Petersburg). Pancreas and thyroid gland disorders during COVID-19 as a possible cause of endocrine disorders in the post-COVID period **Nemykina I.** (Saint Petersburg). Nutrition and weight gain during pregnancy with neonatal macrosomia risk

Stulnikova K. (Saratov). Features of the course of MODY 2 with a combination of various mutations

Temirbekova P. (Kazan). Clinical case. Swyer's syndrome

Trufanova A. (Saint Petersburg). Effects of a low-carbohydrate and Mediterranean diet on growth factors in women with PCOS

Yakovenko K. (Saint Petersburg). Alcohol destruction of pancreatic head insulinoma in ultrasound: a clinical case

KOLESOV HALL | 13:00-13:30

LECTURE INTRODUCTION TO ROBOT-ASSISTED SURGERY IN UROLOGY

Gilev E. (Saint Petersburg)

COFFEE POINT | 13:40-15:20

UROLOGY BREAKOUT SESSION

Chairs: Mosoyan M., Belousov V., Shanava G. (Saint Petersburg)

Abdukadyrov Z. (Saint Petersburg). Percutaneous method for kidney abscess treatment

Gaivoronsky V. (Saint Petersburg). Intra- and postoperative complications of percutaneous nephrolithotripsy

Jaiani Yu. (Saint Petersburg). Stab wounds of kidney

Dobryagina S. (Saint Petersburg). Treatment of intraperitoneal spontaneous bladder rupture.

Kalandarov I. (Saint Petersburg). Incidental cancer: frequency with transurethral prostate resection

Makeev V. (Saint Petersburg). Gangrenous cystitis complicated by urinary peritonitis

Mikheevsky A. (Saint Petersburg). Comparative evaluation of the percutaneous nephrolitholapaxia effectiveness

Nikulin R. (Saint Petersburg). Closed injuries of kidney

Sintsova K. (Saint Petersburg). Effect of phosphodiesterase type 5 inhibitors on erectile function recovery in patients after nerve-sparing robot-assisted radical prostatectomy

Slepoi V. (Saint Petersburg). Comparison of robot-assisted, laparoscopic and retroperitoneal approaches in hydronephrosis treatment in adults

KOLESOV HALL | 13:40-15:10

MASTERCLASS
VASCULAR SURGERY OF THE 21ST CENTURY:
FROM THE PERSPECTIVE OF A MULTIDISCIPLINARY TEAM
LIVE STREAM FROM THE HYBRID OR

Chernyavsky M. (Saint Petersburg). Vascular surgery of the 21st century: look beyond the horizon

Stepanova A. (Saint Petersburg). Heart, head or lower extremities: how to choose the right treatment tactics? Assessment of cardiovascular risk before surgery: cardiologist's position

Dalmatova A. (Saint Petersburg). A comprehensive view of a patient with diabetes mellitus: how to prevent a catastrophe?

SMALL HALL | 14:30-16:00

PSYCHOLOGICAL, PEDAGOGICAL AND PHILOSOPHICAL ASPECTS OF TRAINING IN MEDICAL AND PHARMACEUTICAL UNIVERSITIES

Chairs: Schukina M., Rogovaya O. (Saint Petersburg)

Mettini E. (Moscow). Purposefulness and finalism in philosophy and science: centuries-old dialogue

Vorobyova S. (Saint Petersburg), Sobolnikova E. (Saint Petersburg),

Zavershinskaya N. (Saint Petersburg), Neronova M. (Saint Petersburg).

Methodological aspects of teaching the Philosophical Problems of Science and Technology in a pharmaceutical university

Makarov V. (Saint Petersburg). Methodological and educational aspects in modern educational technologies of teaching Bioethics in a medical university

Schukina M. (Saint Petersburg). Psychological and pedagogical problems of education and upbringing in higher education

Shumova T., Shlyakhto M. (Saint Petersburg). Training communicative competence in the system of continuing medical education (the case of Almazov National Medical Research Centre)

Makarova A. (Saint Petersburg). Quest as an effective educational technique in a medical university

ALMAZOV HALL | 14:50-19:00

STUDENT SCIENTIFIC SOCIETY SESSION

Chairs: Dokshin P., Kukharchik G., Sivukhina E. (Saint Petersburg)

ENTRANCE HALL, 2ND FLOOR | 14:50-15:50

TRANSLATIONAL MEDICINE BREAKOUT SESSION

Chairs: Toropova Ya., Sonin D., Borshchev Yu. (Saint Petersburg)

SIMULATION CENTRE, LARGE HALL 14:50-17:00

BREAKOUT SESSION

CARDIOLOGY: CORONARY DISEASES

Chairs: Panov A., Yakovlev A. (Saint Petersburg)

MENDELEEV HALL | 15:30-17:00 |



SYMPOSIUM SBER SOLUTIONS FOR HEALTHCARE

Chair: Zhdanov S. (Moscow)

Khromov K. (Moscow). The electronic prescription project in the Leningrad region.

Prospects for the E-commerce project in the region

Romanenko N. (Moscow). Solutions of Sber partners for healthcare

Domarev D. (Moscow). Personal medical assistants: implementation results and new opportunities

Rybakov A. (Moscow). Remote monitoring

COFFEE POINT | 15:30-17:00

BREAKOUT SESSION
CARDIOVASCULAR SURGERY AND X-RAY/ ENDOVASCULAR
DIAGNOSIS AND TREATMENT

Chairs: Kucherenko V., Gusinsky A., Patsyuk A. (Saint Petersburg)

KOLESOV HALL | 15:30-16:00

LECTURE
SURGICAL TREATMENT OF EPILEPSY – FROM ANCIENT TIMES
UP TO THE PRESENT DAYS

Ulitin A. (Saint Petersburg)

CONFERENCE ROOM | 16:00-17:00

LECTURE
CRITICAL READING OF MEDICAL SCIENTIFIC LITERATURE

Shilo P. (Saint Petersburg)

SMALL ROOM | 16:10-19:00

BREAKOUT SESSION
CHILDREN'S DISEASES (PART 2)

Chairs: Vitovschik M., Volkova Yu. (Saint Petersburg)

KOLESOV HALL | 16:00-17:00

MASTERCLASS

LIVE CASE: ENDOVASCULAR TREATMENT

OF CEREBRAL ANEURYSM

Petrov A. (Saint Petersburg)

CONFERENCE ROOM | 17:10-18:10

LECTURE

ACNE: MODERN DIAGNOSTIC AND TREATMENT METHODS

Chepushtanova K. (Saint Petersburg)

KOLESOV HALL | 17:10-19:00

NEUROSURGERY BREAKOUT SESSION

Chairs: Ulitin A., Ivanenko A., Kim A., Vasilenko A. (Saint Petersburg)

PAVLOV HALL | 09:00-12:30

FINAL STAGE OF THE RESEARCH PAPER COMPETITION

Chair: Konradi A. (Saint Petersburg)

Presidium: Parmon E., Ovchinnikov D., Kurapeev D., Magomedova Z.

(Saint Petersburg)

KOROTKOV HALL | 09:00-12:30

FINAL STAGE OF THE ALL-RUSSIAN STUDENT COMPETITION IN CARDIOLOGY

Chair: Villevalde S. (Saint Petersburg)

Presidium: Bolshakova O., Kuharchik G., Solovieva A. (Saint Petersburg)

LANG HALL | 09:30-12:45

MASTERCLASS
IMPROVING DOCTOR'S COMMUNICATION SKILLS. SIMPLE
TOOLS FOR COMPLEX CONVERSATIONS IN MEDICINE

Moderators: Shumova T. (Saint Petersburg), Shlyakhto M. (Saint Petersburg)

BOTKIN HALL | 09:30-11:00

SYMPOSIUM POSSIBILITIES OF CARDIORESPIRATORY TESTING IN MEDICINE AND SPORTS

Chairs: Berezina A. (Saint Petersburg), Kulagina T. (Moscow)

Berezina A. (Saint Petersburg). Cardiorespiratory testing in patients with CHF: assessment of the severity, effectiveness of therapy and prognosis, solving the issue of heart transplantation

Galenko V. (Saint Petersburg). The effectiveness of physical training based on the original method of selecting personalized exercise programs during CPET in patients with CHF with reduced ejection fraction

Zlobina I. (Saint Petersburg). Evaluation of the effectiveness of treatment of patients with precapillary LH by CPET

Kulagina T. (Moscow). Cardiorespiratory stress test evolution in the cardiac surgery clinic

Bryntsalova E. (Saint Petersburg). Diagnosis of the state of overstrain and overtraining in highly qualified athletes by the CPET method

LIBRARY HALL | 09:30-11:00

INTERNATIONAL MINI SYMPOSIUM BIOLOGICAL AND IMMUNOMODULATORY THERAPY IN ONCOHEMATOLOGY

Chairs: Lomaia E. (Saint Petersburg), Salogub G. (Saint Petersburg)

Chitanava T. (Saint Petersburg, St-Petersburg). Myeloid suppressors as a way to evade the immune response in CML

Vlasik R. (Saint Petersburg). Can deaminases contribute to TKI resistance in CML? **Kustova D.** (Saint Petersburg). Next generation sequencing in CML patients: diagnosis and prognosis

Yakovleva Yu. (Saint Petersburg). CML blast crisis: who is at risk?

Kirienko A. (Saint Petersburg). Next generation sequencing in Ph-negative patients with chronic myeloproliferative neoplasms

Lysenko A. (Kazakhstan). First experience with Teclistamab in Kazakhstan

VIRTUAL HALL | 09:30-11:00

SYMPOSIUM HYBRID PERIPHERAL ARTERY SURGERY

Chairs: Karpenko A. (Novosibirsk), Kavteladze Z. (Moscow), Chernyavsky M. (Saint Petersburg)

Karpenko A. (Novosibirsk). Perspective of biomimetic arterial reconstructions in the peripheral arteries

Kavteladze Z. (Moscow). Endovascular surgery of peripheral artery diseases using approaches through completely occluded arteries

Chernyavsky M. (Saint Petersburg). The possibilities of modern hybrid surgery in the struggle to save the limb: the experience of the Almazov National Medical Research Centre

Kolegaev A. (Moscow). Hybrid interventions for multilevel lesions of lower limb arteries in comorbid patients

Vatyan A. (Saint Petersburg). Machine learning and neural networks in vascular surgery

KOLESOV HALL (21 KOLOMYAZHSKY AVE.) **08:30-11:00**

FINAL STAGE OF THE 1ST ALL-RUSSIAN STUDENT COMPETITION IN NEUROLOGY

Chair: Alekseeva T. (Saint Petersburg).

Presidium: Topuzova M., Panina E. (Saint Petersburg)

BOTKIN HALL | 11:15-12:45

SYMPOSIUM MULTIPLE SCLEROSIS AND OTHER DEMYELINATING DISEASES

Chair: Bisaga G. (Saint Petersburg)

Bisaga G. (Saint Petersburg). What's new in the study of pathogenesis and therapy of multiple sclerosis: results of ECTRIMS-2022

Trufanov A., Bisaga G., Temnyi A., Poplyak M., Skulyabin D., Malko V., Lepekhina A., Gorbunova E. (Saint Petersburg). Functional and neuro-ophthalmological features in multiple sclerosis

Kryukova E. (Saint Petersburg). Rare forms of demyelinating diseases of the central nervous system: theory and personal experience

Malko V., Bisaga G. (Saint Petersburg). The role of coronavirus infection in the initiation of demyelinating diseases

LIBRARY HALL | 11:15-12:45

INTERNATIONAL MINI SYMPOSIUM PERSONALIZED IMMUNOTHERAPY AND METHODS FOR STUDYING THE IMMUNE RESPONSE IN ACUTE LEUKEMIA

Chairs: Girshova L. (Saint Petersburg), Demidov O. (Saint Petersburg)

Shatilova A. (Saint Petersburg). Immunological targets to overcome chemorefractoriness. Experimental visualization inhibition of the immune response by the AML tumor cells

Levchuk K. (Saint Petersburg). NK cell-based immunotherapy for acute myeloid leukemia: focus on NKG2D ligands. Development of a relevant cell model for NKG2D CAR-T efficiency assessment

Belik L. (Saint Petersburg). Effect of MSCs on the resistance of tumor cells to therapy for hematological malignancies and solid tumors

Ayubova B. (Saint Petersburg). A personalized approach to relapse/refractory acute myeloid leukemia therapy: current options

Selivanov M. (Kazakhstan). Molecular and genetic features of patients with acute myeloid leukemia in the Republic of Kazakhstan

Motyko E. (Saint Petersburg). Genomic heterogeneity of CBF-AML, impact on disease prognosis

VIRTUAL HALL | 11:15-12:45

SYMPOSIUM INNOVATIVE APPROACHES TO THE ORGANIZATION OF MEDICAL CARE FOR CHILDREN AFTER INTRAUTERINE **PROCEDURES**

Chairs: Mikhailov A. (Saint Petersburg), Kosovtsova N. (Saint Petersburg)

Kosovtsova N. (Saint Petersburg). Fetal urinoma. Intrauterine solving of the problem

Romanovsky A. (Saint Petersburg), Mikhailov A. (Saint Petersburg).

Anemia-polycythemia sequence: prenatal diagnosis and intrauterine correction

Ovsvannikov F. (Saint Petersburg). Features of the formation of diaphragmatic hernia in the experiment on animal models

Lemeshevskaya T. (Belarus). Obstructive uropathy: modern view of the problem.

Beluga M. (Belarus). Fetal diaphragmatic hernia: the first experience of intrauterine correction

Neberezhnev Y. (Moscow). Fetal diaphragmatic hernia: innovative methods of intrauterine treatment

PAVLOV HALL | 13:30-15:00 | DIVE



CLOSING CEREMONY

Chairs: Shlyakhto E., Rudskoy A., Narkevich I. (Saint Petersburg)

Volchkov P. (Moscow). Modern approaches and platform solutions in the development of gene therapies

Narkevich I., Okovity S. (Saint Petersburg). Experimental models of non-alcoholic fatty liver disease in terms of translational medicine

Vasin A. (Saint Petersburg). mRNA vaccines against infectious diseases: current state of research and development prospects

Sharipov K. (Kazakhstan). Personalized medicine: omics in science, technology and biomedical research

Awarding ceremony for winners of Almazov Youth Medical Forum 2023

KOROTKOV HALL | 15:30-17:00

TWO-DAY INTERNATIONAL SEMINAR
MODERN DIAGNOSTICS AND PERSONALIZED APPROACH TO
TREATMENT OF ACUTE CORONARY SYNDROME:
POSITION OF PHARMACOLOGIST AND CLINICIAN (PART 2)
PROMISING RESEARCH AREAS FOR YOUNG SCIENTISTS

Chair: Yakovlev A., Yanishevsky S. (Saint Petersburg)

Brankovskaya E. (Belarus). Myocardial infarction and ischemic acute kidney injury: prediction of adverse cardiovascular outcomes

Usova E., Dubrovsky Ya., Makarova T. (Saint Petersburg)

Metabolic biomarkers of immediate and long-term prognosis in ACS

Nedbaeva D. (Saint Petersburg). Risk stratification in non-ST elevation acute coronary syndrome: reality and prospects

Medvedev A. (Saint Petersburg). Prospects for predicting outcomes in CVD patients based on data from medical information systems.

Odintsov N. (Saint Petersburg). A personalized approach to the diagnosis and treatment of patients with ACS and atherosclerotic lesions of several vascular beds **Veremyev N.**, **Verkhovskaya E.**, **Vanyurkin A.** (Saint Petersburg). Clinical significance and prospects for studying the morphological and functional characteristics of atherosclerotic plaques in various vascular beds

BOTKIN HALL | 15:30-17:00

SYMPOSIUM ENDOVASCULAR SURGERY OF THE AORTIC ARCH: MODERN TECHNOLOGIES AND A LOOK INTO THE FUTURE

Chairs: Imaev T. (Moscow), Shu C. (China)

Shu C. (China). Endovascular interventions in aortic arch pathology

Chernyavsky M. (Saint Petersburg). Where euphoria ends, experience begins: the era of endovascular aortic arch surgery

Imaev T. (Moscow). Our experience in hybrid and endovascular treatment of aortic arch junction

Khafizov T. (Ufa). The use of fenestrated stent grafts in acute aortic syndrome **Gurevich A.** (Saint Petersburg). Relationships with cardiac pulse waves and aortic aneurysm size in patients with arterial hypertension

Vanyurkin A. (Saint Petersburg). Live case: aortic arch arthroplasty with intraoperative fenestration in a stent graft

LIBRARY HALL | 15:30-17:00

SYMPOSIUM PERSONALIZED THERAPY IN ONCOHEMATOLOGY

Chairs: Lomaia E. (Saint Petersburg), Salogub G. (Saint Petersburg)

Abdulkhalikova Z. (Saint Petersburg). Diagnosis and treatment of systemic mastocytosis: experience of the First Saint Petersburg Pavlov State Medical University

Turtanova I. (Saint Petersburg). The results of ruxolitinib therapy in patients with primary and secondary myelofibrosis

Durova S. (Saint Petersburg). Experience in managing patients with chronic myelomonocytic leukemia

Ivanov V. (Saint Petersburg). Voriconazole in the treatment of invasive fungal infections: drug interactions (sponsored by Canonpharma)

Osipov Yu. (Saint Petersburg). Approaches to the treatment of ALL: in the MRD focus (sponsored by Pharmstandard)

VIRTUAL HALL | 15:30-17:00

SYMPOSIUM FETAL SURGERY: MODERN DEVELOPMENT TRENDS

Chairs: Deryugina L. (Saratov), Pervunina T. (Saint Petersburg)

Deryugina L. (Saratov). A modern view of a pediatric urologist on the problem of intrauterine correction of obstructive uropathy

Kagantsov I. (Saint Petersburg). Posterior urethral valve and postnatal management

Averkin I. (Saint Petersburg). The results of intrauterine oxygenation in fetal CDH **Poloyan S.** (Irkutsk), **Kozlov Y.** (Irkutsk). The first fetoscopic correction of meningomyelocele in Russia

Pavlichenko M. (Ekaterinburg). Peculiarities of rehabilitation of children after intrauterine surgical interventions

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