

## **INFORMATION ABOUT LECTURERS AND SUMMARIES OF REPORTS**

1. **Aydumova Olesya Yuryevna** - Assistant of the Department of Propaedeutic Therapy, Samara State Medical University of the Ministry of Health of Russia.

**Schukin Yury Vladimirovich** - Doctor of Medical Sciences, Professor, Head of the Department and Clinic of Propaedeutic Therapy, Samara State Medical University.

**Fatenkova Oksana Vladimirovna** - cardiologist of the highest category of the clinic of the Samara State Medical University.

*Topic:* Prognostic role of frailty syndrome and biomarkers of myocardial stress and fibrosis in patients over 70 years of age with myocardial infarction. We evaluated the effect of frailty syndrome, NT-proBNP and ST-2 concentrations on cardiovascular death in 92 patients with myocardial infarction older than 70 years for 12 months. NT-proBNP levels greater than 1400 pg/mL and ST2 levels greater than 8.2 ng/mL are associated with CV death within 12 months in the study cohort of patients. The risk of developing cardiovascular death within 12 months after myocardial infarction in patients older than 70 years with SAS and preasthenia increases by 72%.

2. **Arabidze Grigory Guramovich** - Doctor of Medical Sciences, Professor, Head of the Department of Therapy and Adolescent Medicine of the Federal State Budgetary Educational Institution of Additional Professional Education "Russian Medical Academy of Continuous Professional Education" of the Ministry of Health of the Russian Federation (FGBOU DPO RMANPE of the Ministry of Health of Russia)

*Topic of the report:* Management of patients with lipid metabolism disorders - focus on new Russian recommendations in 2023.

Lipid metabolism disorders play an important role in all stages of the cardiovascular continuum. In 2023, updated Russian recommendations are presented, which reflect the diagnostic criteria and algorithms for the treatment of lipid metabolism disorders. The report will briefly outline the main provisions of the recommendations with expert comments.

3. **Anchkova Maria Ivanovna** - student, Kemerovo State Medical University.

**Fedorova Darina Nikolaevna** - student, Kemerovo State Medical University.

*Topic of the report:* Evaluation of clinical parameters in persons with personality type D with metabolic syndrome.

Personality type D is associated with poor quality of life and poor prognosis in cardiovascular diseases. Such individuals, who are predisposed to the development of psychological distress, tend to develop metabolic syndrome (MS). Personality type D in combination with MS contributes to the development and progression of atherosclerosis, which increases the risk of postoperative complications.

4. **Akhverdieva Milana Kamilovna** - Candidate of Medical Sciences, Associate Professor of the Department of Therapy with a Course of Polyclinic Therapy, Federal State Budgetary Educational Institution of Higher Education Rostov State Medical University, Rostov-on-Don.

**Khorolets Ekaterina Viktorovna** - Candidate of Medical Sciences, Associate Professor of the Department of Therapy with a course of polyclinic therapy, Rostov State Medical University, Rostov-on-Don

**Shlyk Sergey Vladimirovich** - Doctor of Medical Sciences, Professor, Head of the Department of Therapy with a course of polyclinic therapy, Rostov State Medical University.

*Topic of the report:* Pleiotropic effects of hypoglycemic drugs in the service of a cardiologist.

The report is devoted to the pleiotropic effects of oral hypoglycemic drugs. In modern conditions of comorbidity, the ability to use not only the main, but also additional effects of drugs is another way to influence the patient's prognosis. In addition, in relation to the combination of "carbohydrate metabolism disorders + cardiovascular pathology", the most acute issue is the safety of oral hypoglycemic agents for compromised myocardium, as well as the issue of interaction between endocrinological and cardiological "portfolio" drugs.

5. **Balykova Larisa Aleksandrovna** - Doctor of Medical Sciences, Professor, Corresponding Member. RAS, Director of the Medical Institute of the Federal State Budgetary Educational Institution of Higher Education "National Research Mordovian State University named after N.P. Ogareva.

*Topic of the report:* Sudden death in adolescents and young people Sudden cardiac death is a serious medical and social problem, many aspects of which remain insufficiently studied. The report will present modern data on the epidemiology of SCD, the features of its occurrence and approaches to prevention in different age periods. The main patterns of sudden cardiac death in adolescents and young people involved in physical culture and sports will also be outlined.

6. **Bogatyreva Makka Magomet-Bashirovna** - Candidate of Medical Sciences, Associate Professor of the Department of Hospital Therapy, Ingush State University, Magas.

*Topic of the report:* "Volume-dependent and renin-dependent arterial hypertension: features of diagnosis and treatment."

Arterial hypertension, occurring in more than half of the world's inhabitants over 60 years of age, has a multifactorial genesis, which must be taken into account in order to adequately correct blood pressure figures and reduce cardiovascular risk. The report is devoted to the features of the pathogenesis, diagnosis, non-drug and drug treatment of volume-dependent and renin-dependent arterial hypertension.

**7. Boinova Irina Vladislavovna** - Doctor of Medical Sciences, Professor of the Department of Nervous Diseases and Psychiatry of the Medical Institute of the FSBEI HE "National Research Mordovian State University named after I.I. N.P. Ogareva

*Topic of the report:* Patients with stroke and comorbidity. How to avoid polypharmacy? Complex therapy of patients with stroke and comorbidity often leads to polypharmacy and summation of side effects of drugs. Multipurpose motor therapy seems to be prognostically significant in such patients. The report will briefly include a strategy for prescribing drugs with the possibility of using the multimodal effects of one drug for the simultaneous correction of the functions of several organs or systems.

**8. Bondarenko Irina Ziyatovna** - Doctor of Medical Sciences, Chief Researcher, Cardiologist, Federal State Budgetary Institution National Research Center for Endocrinology, Ministry of Health of Russia.

*Topic of the report:* Cardiac masks for thyroid diseases. Hypo and hyperfunction of the thyroid gland make significant pathological changes in the structure of the cardiovascular system. Thyroid status compensation is not sufficient to prevent these changes. What changes in the myocardium and conduction system of the heart occur in diseases of the thyroid gland, as well as methods for their correction are discussed in this report.

**9. Vedenskaya Svetlana Sergeevna** - Candidate of Medical Sciences, Associate Professor of the Department of Faculty Therapy, Endocrinology, Allergology and Immunology, USMU of the Ministry of Health of Russia. Smolenskaya Olga Georgievna - Doctor of Medical Sciences, Professor, Head of the Department of Faculty Therapy, Endocrinology, Allergology and Immunology, USMU of the Ministry of Health of Russia.

*Topic:* Changes in the parameters of the hemostasis system in patients with arterial hypertension and multifocal atherosclerosis who have had ischemic stroke Patients with hypertension and multifocal atherosclerosis who have had ischemic stroke have a high residual risk of adverse

outcomes, despite the control of blood pressure and lipid spectrum. These data suggest that other factors, in particular disorders in the hemostasis system, also influence the prognosis for the occurrence of a recurrent stroke.

**10. Viktorova Inna Anatolyevna** - Doctor of Medical Sciences, Professor, Head of the Department of Polyclinic Therapy and Internal Medicine of the Federal State Budgetary Educational Institution of Higher Education "Omsk State Medical University" of the Ministry of Health of Russia, Chief Freelance Specialist in Therapy and General Medical Practice (Family Medicine) of the Ministry of Health of the Omsk Region .

*Topic of the report:* Abdominal obesity is an independent risk factor for cardiovascular accidents according to the ESSE-RF2 study in the Omsk region. Abdominal obesity plays an important role at all stages of the cardiovascular continuum. Evaluation of the data of the prospective study ESSE-RF2 in the Omsk region showed that abdominal obesity is an independent risk factor for both non-fatal and fatal cardiovascular accidents. The epidemiological study ESSE-RF2, as well as its continuation in the form of a prospective observation, was organized and sponsored by the National Medical Research Center for TPM.

**11. Galin Pavel Yurievich** - Doctor of Medical Sciences, Professor, Head. Department of Clinical Medicine, Orenburg State Medical University, Ministry of Health of Russia, Orenburg, pgalin@yandex.ru

**Kulbaisova Saniya Amyrzhanovna** - Assistant of the Department of Clinical Medicine, Orenburg State Medical University, Ministry of Health of Russia, Orenburg, kulbaisova@gmail.com

*Topic:* Does left ventricular aneurysm affect the effectiveness of elective percutaneous coronary intervention in patients with chronic heart failure with moderately reduced ejection fraction?

The report is devoted to the analysis of the effectiveness of PCI with stenting of the coronary arteries in patients with CHF with an intermediate (moderately reduced) ejection fraction of the left ventricle. Factors have been established, incl. the presence of an aneurysm of the left ventricle, affecting the systolic function of the heart. No conflict of interest declared.

**12. Grigorovich Marina Sergeevna** - Head of the Department of Family Medicine and Polyclinic Therapy, Kirov State Medical University of the Ministry of Health of Russia, Doctor of Medical Sciences, Associate Professor, Chief Freelance Specialist of General Medical Practice of the Ministry of Health of the Kirov Region, Chief Freelance Specialist in Medical and Pharmaceutical Education of the Ministry of Health of the Kirov Region areas.

*Topic:* Metabolic activity of the microbiota and psychosomatic aspects of infectious pathology in the era of Covid19.

The report will present data on microbiocenosis disorders, a common problem in patients treated with antibacterial drugs. Covid-19 infection was the epigenetic factor that leads to decompensation.

**13. Dedov Dmitriy Vasilyevich** - Doctor of Medical Sciences, Associate Professor, 1- Professor of the Department, Tver State Medical University of the Ministry of Health of Russia (main place of work); 2- cardiologist, Tver Regional Clinical Cardiological Dispensary (part-time job), Tver

**Mazaev Vladimir Pavlovich** - Doctor of Medical Sciences, Professor, Head of the Laboratory of X-ray Endovascular Diagnosis and Treatment Methods of the Department of Innovative Methods of Prevention, Diagnosis and Treatment of Cardiovascular and Other Chronic Non-Infectious Diseases, Doctor of X-ray Endovascular Methods of Diagnosis and Treatment; National Medical Research Center for Therapy and Preventive Medicine of the Ministry of Health of Russia, Moscow city Kovalchuk Andrey Nikolaevich - Deputy Head of the Medical Department of Branch No. 7 of the FGKU "1586 VKG" of the Ministry of Defense of Russia, general practitioner, cardiologist, city of Tver Gradsкая Anastasia Igorevna - assistant of the department of propaedeutics Internal Medicine, Tver State Medical University of the Ministry of Health of Russia, cardiologist, Tver

*Topic of the report:* Data of a comprehensive examination and analysis of the risk of complications in patients with coronary heart disease who underwent percutaneous coronary intervention.

In the report, the authors presented the results of a comprehensive examination of patients with coronary heart disease who underwent percutaneous coronary intervention, and assessed the risk of cardiovascular complications in them in the long-term follow-up period after myocardial revascularization.

**14. Eremina Elena Yuryevna** – Doctor of Medical Sciences, Professor, Head of the Department of Propaedeutics of Internal Diseases, Mordovian State University. N.P. Ogaryova, Chief Gastroenterologist of the Ministry of Health of the Republic of Mordovia, Honored. doctor of the Republic of Moldova and the Russian Federation.

*Topic of the report:* Gastroenterological problems of a polymorbid patient during the pandemic and post-pandemic period.

The report contains up-to-date information that allows to improve the knowledge of doctors on the main mechanisms of gastrointestinal damage in polymorbid patients infected with SARS-CoV-2 and in the post-COVID period, and also to determine the optimal treatment, diagnostic and preventive approaches in this category of patients.

**15. Zamyshlyayev Pavel Sergeevich** - Senior Lecturer of the Department of Hospital Therapy of the Medical Institute of the Federal State Budgetary Educational Institution of Higher Education "National Research Mordovian State University. N.P. Ogareva

*Topic:* Cerebral disorders in patients with diabetes mellitus: key mechanisms and approaches to neuroprotection.

The course of diabetes mellitus, especially in comorbid patients, is often complicated by cerebral disorders arising both as a result of diabetes itself and in connection with concomitant diseases. The report will highlight the key mechanisms for the development of such disorders and pharmacological approaches to cerebroprotection according to the literature, and will also present preliminary data from our own experimental studies of some potential neuroprotectors.

**16. Zueva Irina Borisovna** - Doctor of Medical Sciences, Professor, Deputy Chief Physician for the Medical Department of the Clinic of the Institute of Experimental Medicine, Head of the Department of Internal Medicine named after Professor B.I. Shulutko SPbMSI, St. Petersburg, Head of the Center for Prevention and Treatment of Cognitive Impairments.

*Topic of the report:* Arterial hypertension and cognitive impairment: issues and solutions.

The report is devoted to modern concepts of cognitive impairment in arterial hypertension. Particular attention is paid to the mechanisms of formation of cognitive dysfunction. The ways of improving cognitive functions in patients with arterial hypertension are considered.

**17. Kezhun Lyudmila Vasilievna** - Candidate of Medical Sciences, Associate Professor of the Department of General Medical Practice and Polyclinic Therapy, Grodno State Medical University, Grodno, Belarus.

*Topic of the report* "Modern aspects of diagnosis and therapy of COPD in general medical practice"

COPD is characterized by a wide distribution among the population, a continuing increase in the incidence, which requires timely diagnosis and a differentiated approach to the treatment of COPD. The report will briefly outline aspects of the diagnosis, treatment of COPD and the place of inhaled glucocorticosteroids from the standpoint of the recommendations of the Global Initiative on Chronic Obstructive Pulmonary Disease (GOLD) revision 2022.

18. **Kiryukhina Svetlana Vladimirovna** - Doctor of Medical Sciences, Associate Professor, Professor of the Department of Psychiatry, Narcology and Neurology of the Medical Institute of the Federal State Budgetary Educational Institution of Higher Education "National Research Mordovian State University named after I.I. N.P. Ogaryova"

*Topic of the report:* Research of pathogenetic mechanisms of development of comorbid mental and cardiovascular pathology.

The relevance of studying comorbid depressive, anxiety and other mental disorders, as well as diseases of the cardiovascular system, is associated with their wide prevalence, difficulties in systematization, treatment and prevention, risk the development of complications, the impact on the ability to work, the importance for sports medicine. The report will outline the main pathogenetic mechanisms for the development of combined mental disorders and cardiovascular pathology.

19. **Korshunova Lyudmila Vladimirovna** - Candidate of Medical Sciences, Associate Professor, Associate Professor of the Department of Faculty Therapy named after. prof. V.Ya. Garmash Federal State Budgetary Educational Institution of Higher Education of the Ryazan State Medical University of the Ministry of Health of Russia, post\_luda@mail.ru

*Topic of the report:* New in the management of pulmonological patients in 2023.

The report will provide an overview of current changes in clinical guidelines and other regulatory documents governing the provision of medical care to patients with respiratory diseases in 2023.

20. **Kubekova Saule Zhadraevna** - PhD, cardiologist, associate professor of the Department of Cardiology and Cardiac Surgery of NJSC "Astana Medical University", responsible executor of the project of the grant of the Ministry of Education and Science of the Republic of Kazakhstan IRN AR14870224 for the prevention and reduction of cardiovascular complications in cancer patients.

**Seisembekov Telman Zeynalovich** - Doctor of Medical Sciences, Professor of the Department of Cardiology of NJSC "Astana Medical University", Academician of the Academy of Medical Sciences, cardiologist, scientific supervisor of the project of the MES RK grant IRN AR14870224 for the prevention and reduction of cardiovascular complications in cancer patients.

**Malaev Niyaz Beysenovich** - interventional oncoradiologist, MBA, NJSC "National Scientific Medical Center", senior researcher of the grant project of the Ministry of Education and Science

of the Republic of Kazakhstan IRN AR14870224 for the prevention and reduction of cardiovascular complications in cancer patients.

**Rib Elena Alexandrovna** - PhD, cardiologist, associate professor of the Department of Internal Medicine with a course of gastroenterology, endocrinology and pulmonology of NJSC "Astana Medical University", senior researcher of the grant project of the Ministry of Education and Science of the Republic of Kazakhstan IRN AR14870224 on the prevention and reduction of cardiovascular complications in cancer patients.

**Zagorulya Natalya Leonidovna** - Master of Medicine, cardiologist, assistant of the Department of Cardiology and Cardiac Surgery of NJSC "Astana Medical University", senior researcher of the MES RK grant project IRN AR14870224 for the prevention and reduction of cardiovascular complications in cancer patients.

*Topic:* Cardiology profile of cancer patients: focus on liver cancer.

Cardiovascular and other diseases comorbid with oncological pathology, as well as complications caused by chemotherapy, are one of the leading causes of premature death in cancer patients. Thus, in particular, early detection of myocardial dysfunction using modern diagnostic markers (natriuretic peptide, global longitudinal deformation of the myocardium, etc.) will allow for adequate therapeutic and prophylactic rehabilitation of such patients.

21. **Leshchankina Nina Yuryevna** - Doctor of Medical Sciences, Professor of the Department of Hospital Therapy of the Medical Institute of the Federal State Budgetary Educational Institution of Higher Education "National Research Mordovian State University. N.P. Ogareva

*Topic of the report:* Comorbidity in CHF with preserved ejection fraction: an accident or a pattern?

Patients with preserved left ventricular ejection fraction occupy more than half of the cases in the structure of CHF, and their number is growing every year. A feature of this group of CHF is the high prevalence of arterial hypertension, obesity, diabetes mellitus, and chronic kidney disease as comorbid diseases. The report is devoted to the features of the formation of diastolic dysfunction in these patients and the prospects for their treatment.

22. **Litvinova Marina Sergeevna** - post-graduate student of the Department of Therapy, Federal State Budgetary Institution of Higher Education, Rostov State Medical University of the Ministry of Health of Russia;

**Khaisheva Larisa Anatolyevna** - Doctor of Medical Sciences, Professor, Department of Therapy, Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia



*Topic:* Predictors of thoracic aortic calcification in patients with resistant hypertension. Based on a retrospective evaluation of 5 thousand cards of patients with uncontrolled hypertension and the exclusion of symptomatic hypertension, patients with resistant arterial hypertension were selected. In all patients included in the study, an assessment of the vascular bed was carried out - by determining the pulse wave velocity and CT scan of the thoracic aorta with an assessment of the severity of calcification.

**23. Loginova Ekaterina Nikolaevna** - Candidate of Medical Sciences, Associate Professor, Associate Professor of the Department of Internal Medicine and Family Medicine, FGBOU VO Omsk State Medical University of the Ministry of Health of Russia, Omsk.

**Nechaeva Galina Ivanovna** - Doctor of Medical Sciences, Professor, Professor of the Department of Internal Medicine and Family Medicine, FGBOU V Omsk State Medical University of the Ministry of Health of Russia, Omsk.

**Dakuko Anastasia Nikolaevna** - Candidate of Medical Sciences, Associate Professor of the Department of Hospital Pediatrics with a FVE course, Omsk State Medical University of the Ministry of Health of Russia, Omsk. Bogatyrev Ilya Vyacheslavovich - student of group 515 of Omsk State Medical University of the Ministry of Health of Russia, Omsk.

**Kirichenko Nikolai Aleksandrovich** - junior researcher of the Central Scientific Research Laboratory of the Federal State Budgetary Educational Institution of Higher Education of the Omsk State Medical University of the Ministry of Health of Russia, Omsk.

*Topic of the report:* Diagnostic value of the study of natriuretic peptide in UCTD (the report was prepared with the support of the Russian Science Foundation grant No. 22-25-20100).

Currently, a number of studies have noted the relationship between an increase in the level of natriuretic peptide and myocardial fibrosis, including in a cohort of apparently healthy people. The possibility of determining the level of natriuretic peptide as a key marker for early diagnosis of myocardial remodeling is discussed. The report will briefly outline the results of a study of the level of natriuretic peptide in patients with arrhythmic syndrome against the background of NDST.

**24. Lyalyukova Elena Alexandrovna** - Doctor of Medical Sciences, Professor, Professor of the Department of Internal Medicine and Family Medicine, FGBOU VO Omsk State Medical University of the Ministry of Health of Russia, Omsk.

*Topic of the report:* Features of abdominal hemodynamics in CTD. Diagnostic value, approaches to therapy.

The morphofunctional state of the vessels of the abdominal area of the blood flow in patients with CTD is one of the topical issues when choosing a therapeutic approach. The report is devoted to modern possibilities for diagnosing and treating abdominal hemodynamic disorders in patients with CTD, which will allow doctors to provide primary and specialized medical care to this cohort of patients in a timely and high-quality manner.

25. **Mamedov Mehman Niyazievich** - Doctor of Medical Sciences, Professor, Head of the Laboratory for Secondary Prevention of Chronic Infectious Diseases, Federal State Budgetary Institution "National Research Center for Therapy and Preventive Medicine" of the Ministry of Health of Russia.

*Topic:* Risk Factors and CVD in Diabetes Mellitus: Updated International Perspectives.

CVD diseases associated with atherosclerosis (CHD, cerebrovascular disease, or peripheral arterial disease) are the leading cause of morbidity and mortality in people with type 2 diabetes.

In early 2023, the American Diabetes Association (ADA) experts published the Diabetes Care Standards document in the journal Diabetes Care, which is updated annually as new data accumulates. The lecture will discuss the main provisions of this document.

26. **Mikhin Vadim Petrovich** - Doctor of Medical Sciences, Professor, Honored Doctor of the Russian Federation, Member of the Presidium of the Russian National Medical University, Head of the Department of Internal Diseases N2 FSBEI HE "Kursk State Medical University" of the Ministry of Health of the Russian Federation.

*Topic of the report:* Myocardial and angioprotection. Priorities of pharmacotherapy at high cardiovascular risk.

To bring to doctors new data on the nature of complex damage to the vascular wall and myocardium at high vascular risk and pharmacological approaches to correct these disorders.

27. **Naymushina Alla Gennadievna** - Doctor of Medical Sciences, Professor of the Department of Biology, Federal State Budgetary Educational Institution of Higher Education "Tyumen State Medical University" of the Ministry of Health of the Russian Federation.

*Topic of the report:* Risk factors for diseases of the cardiovascular system in university students.

Among the behavioral risk factors for the development of diseases of the cardiovascular system in young people, overweight and lack of night sleep come first. There is a shift in the significance of smoking as the main modulated factor in CVD. If in 2010, among young men of Tyumen universities, 83% of part-time students smoked, then in 2020-2022, the trend towards a decrease in smoking in this group to 42.9% continues. Among full-time students, there was a

decrease in smoking in the same period from 70% to 23.7-29%, depending on the health group. Among girls, there is no such dynamic.

**28. Nechaeva Galina Ivanovna** - Doctor of Medical Sciences, Professor, Professor of the Department of Internal Medicine and Family Medicine, FGBOU VO Omsk State Medical University of the Ministry of Health of Russia, Omsk.

**Konev Vladimir Pavlovich** - Doctor of Medical Sciences, Professor, Professor of the Department of Forensic Medicine, Jurisprudence, Omsk State Medical University of the Ministry of Health of Russia, Omsk.

*Topic of the report:* Pathophysiological basis of cardiovascular pathology in connective tissue dysplasia.

The most rational direction in the study of dysplastic-dependent dysfunctions of the cardiovascular system, as well as associated pathological conditions, is the disclosure of the pathogenetic mechanisms underlying the clinical symptoms in CTD. The report will briefly outline a systematic approach, coordinated tactics for the examination and treatment of patients with dysplastic-dependent changes in the heart, cerebral, pulmonary, gastrointestinal vessels in patients with CTD, which will allow doctors to assess the severity of the pathological process, determine blood circulation reserves, choose methods for correcting the detected disorders, determine the effectiveness therapeutic measures directly at the bedside of the patient.

**29. Nikulina Svetlana Yurievna** - Doctor of Medical Sciences, Professor, Head of the Department of Faculty Therapy, Krasnoyarsk State Medical University named after Professor V.F. War - Yasenetsky.

**Chernova Anna Alexandrovna** - Doctor of Medical Sciences, Professor of the Department of Faculty Therapy of the Krasnoyarsk State Medical University named after Professor V.F. War - Yasenetsky.

**Tolstokorova Yuliya Alexandrovna** - post-graduate student of the Department of Faculty Therapy, Krasnoyarsk State Medical University named after Professor V.F. War - Yasenetsky

**Lebedeva Ilona Igorevna** - post-graduate student of the Department of Faculty Therapy, Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky

*Topic of the report:* "Phenotypic predictors in patients with WPW syndrome". The report presents dysembryogenesis stigmas in patients with WPW syndrome. Phenotypic predictors of WPW in the form of dysembryogenesis stigmas are associated with polymorphisms of certain genes. Sexual dimorphism is characteristic of dysembryogenesis stigmas in patients with WPW.

30. **Nikolaenko Marina Vladimirovna** - post-graduate student of the Department of Cardiology with a course of functional diagnostics of the Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia.

**Kizhevatoeva Elena Aleksandrova** - Assistant of the Department of Medical and Biological Physics, Federal State Budgetary Institution of Higher Education, Rostov State Medical University of the Ministry of Health of Russia.

**Drobotya N.V** - Doctor of Medical Sciences, Professor, Head of the Department of Cardiology with a course of functional diagnostics of the Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia.

**Guseynova Elvira Shamilyevna** - PhD, assistant of the Department of Cardiology with the course of functional diagnostics, Rostov State Medical University of the Ministry of Health of Russia.

*Topic:* Using Mathematical Approaches to EEG Analysis to Objectify the Efficiency of Cerebroprotective Therapy in Arterial Hypertension Patients with Cognitive Impairments

The report presents the results of original studies of electroencephalogram analysis in patients with arterial hypertension. The analysis of cognitive impairments in this category of patients was carried out, as well as the results of drug therapy, both including therapy aimed at normalizing AL, and carried out with the aim of cerebroprotection, were evaluated.

31. **Olesin Alexander Iosifovich** - Dr. med. Sci., Professor of the Department of Hospital Therapy and Cardiology named after M.S. Kushakovskiy, North-Western State Medical University named after I.I. I.I. Mechnikov.

**Konstantinova Irina Viktorovna** - Ph.D. honey. Sciences, Federal State Budgetary Educational Institution of Higher Education "North-Western State Medical University named after A.I. I.I. Mechnikov, St. Petersburg, Russia.

**Tyuteleva Natalya Nikolaevna** - Ph.D. honey. Sci., Assistant of the Department of Hospital Therapy and Cardiology named after M.S. Kushakovskiy FSBEI HE "North-Western State Medical University. I.I. Mechnikov.

**Ivanov Vladimir Sergeevich** - Ph.D. honey. sciences, head. Department of Cardiology No. 2, St. Petersburg State Budgetary Institution of Health "Elizabethskaya Hospital.

**Ivanov Sergey Nikolaevich** - Ph.D. honey. Sci., Associate Professor of the Department of Hospital Therapy with a Course of Endocrinology, St. Petersburg State Pediatric Medical University, Ministry of Health of the Russian Federation. Koziy Anastasia Viktorovna - Ph.D. honey. Sci., cardiologist of the Federal State Treasury Institution "442 District Military Clinical Hospital" of the Ministry of Defense of the Russian Federation.

*Topic of the report:* Clinical assessment of the determination of predictors of arrhythmogenic cardiomyopathy in patients with ventricular extrasystole without structural changes in the heart (clinical and experimental study).

The report defines the clinical significance of identifying predictors of the formation of arrhythmogenic cardiomyopathy from the standpoint of the mechanism for the development of ventricular extrasystole in patients without structural changes in the heart: (clinical and experimental study).

32. **Petrova Marina Mikhailovna** - Doctor of Medical Sciences, Professor, Head of the Department of Polyclinic Therapy and Family Medicine with a Postgraduate Education Course of Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky of the Ministry of Health of the Russian Federation, Honored Doctor of the Russian Federation 8 -902-923-02-11

**Glizer Sofya Lvovna** - post-graduate student of the Federal State Budgetary Educational Institution "Krasnoyarsk State Medical University named after Professor V.F. Voyno-Yasenetsky" of the Ministry of Health of Russia.

**Shtegman Oleg Anatolyevich** - Doctor of Medical Sciences, Associate Professor, Head of the Department of Mobilization Training in Health Care, Disaster Medicine and Emergency Medicine with a course of PO SBEE HPE "Krasnoyarsk State Medical University named after I.I. prof. V.F. Voyno-Yasenetsky" of the Ministry of Health of Russia.

*Topic of the report:* Principles of diagnosis, treatment and prevention of type 1 cardiorenal syndrome in the period of acute decompensated heart failure.

The report will present our own data on kidney damage in acute decompensated heart failure with a presentation of an algorithm for early diagnosis of kidney damage in cardiac decompensation.

33. **Poponina Tatyana Mikhailovna** - Doctor of Medical Sciences, Professor, Professor of the Department of Cardiology of the Federal State Budgetary Educational Institution "Siberian State Medical University" of the Ministry of Health of Russia (FGBOU VO Siberian State Medical University of the Ministry of Health of Russia), Tomsk.

**Gunderina Ksenia Ivanovna** - Cardiologist, Department of Arterial Hypertension, Research Institute of Cardiology, Tomsk National Research Medical Center of the Russian Academy of Sciences, Tomsk.

**Poponina Yuliya Sergeevna** - Ph.D. Sci., Associate Professor of the Department of Cardiology of the Federal State Budgetary Educational Institution "Siberian State Medical University" of the

Ministry of Health of Russia (FGBOU VO Siberian State Medical University of the Ministry of Health of Russia), Tomsk, 634050, Moskovsky Trakt, 2; Cardiologist, Department of Emergency Cardiology, Research Institute of Cardiology, Tomsk National Research Medical Center, Russian Academy of Sciences, Tomsk.

*Topic of the report:* Possibilities of preventing the development of heart failure in patients with acute coronary syndrome and anxiety-depressive disorders. The report presents current data on the adverse effects of anxiety and depression on the development, course and prognosis of cardiovascular diseases, as well as the results of our own pilot randomized comparative prospective study of comorbid patients with acute coronary syndrome and anxiety-depressive disorders. The possibilities of modern drugs to slow down the processes of left ventricular remodeling are discussed. The authors declare no conflict of interest.

**34. Prekina Valentina Ivanovna** - Candidate of Medical Sciences, Associate Professor of the Department of Outpatient Therapy of the Medical Institute of the Federal State Budgetary Educational Institution of Higher Education “National Research Mordovian State University named after I.I. N.P. Ogareva

*Topic of the report:* Comorbidity in patients with atrial fibrillation. The analysis of risk factors and their correction in patients with atrial fibrillation receiving medical care in an outpatient setting was carried out. In most cases, a combination of 3 or more risk factors was identified, the most common were arterial hypertension, lipid metabolism disorders, coronary heart disease, and diabetes mellitus. Insufficient control of arterial hypertension and plasma lipid levels was noted.

**35. Repin Aleksey Nikolaevich** - Doctor of Medical Sciences, Professor, Head of the Department of General Clinical Cardiology and Epidemiology of Cardiovascular Diseases, Research Institute of Cardiology, Tomsk National Research Medical Center of the Russian Academy of Sciences, Tomsk  
**Novikova Oksana Mikhailovna** - Head of the Department of General Clinical Cardiology and Epidemiology of Cardiovascular Diseases, Research Institute of Cardiology, Tomsk National Research Medical Center of the Russian Academy of Sciences, Tomsk

**Nonka Tatyana Gennadievna** - Researcher, Department of General Clinical Cardiology and Epidemiology of Cardiovascular Diseases, Research Institute of Cardiology, Tomsk National Research Medical Center of the Russian Academy of Sciences, Tomsk

*Topic of the report:* Treatment of chronic heart failure at the outpatient stage: whether clinical recommendations are followed in everyday practice (registry data). In the report, Professor Repin Aleksey Nikolaevich and co-authors will present data from the register of patients with

chronic heart failure (CHF) with low ejection fraction, observed on an outpatient basis by district therapists, general practitioners. Particular attention will be paid to the issue of compliance with modern clinical recommendations of the prescribed therapy for patients with CHF in real clinical practice. The authors declare no conflict of interest.

**36. Rubanenko Olesya Anatolyevna** - Doctor of Medical Sciences, Associate Professor of the Department of Hospital Therapy with Courses of Polyclinic Therapy and Transfusiology, Samara State Medical University of the Ministry of Health of Russia.

Skripnik Inna Vladimirovna - cardiologist, Samara Regional Clinical Cardiological Dispensary named after I.I. V.P. Polyakov.

**Matyukhina Kristina Vyacheslavovna** - cardiologist, Samara Regional Clinical Cardiological Dispensary named after A.I. V.P. Polyakova,

**Rubanenko Anatoly Olegovich** - Candidate of Medical Sciences, Associate Professor of the Department of Propaedeutic Therapy, FGBOU

VO "Samara State Medical University" of the Ministry of Health of Russia

**Davydkin Igor Leonidovich** - Doctor of Medical Sciences, Professor, Head of the Department of Hospital therapy with courses of polyclinic therapy and transfusiology FSBEI HE "Samarsky State Medical University" of the Ministry of Health of Russia

**Benyan Armen Sisakovich** - Doctor of Medical Sciences, Professor, Minister of Health of the Samara Region areas.

**Duplyakov Dmitry Viktorovich** - Doctor of Medical Sciences, Head of the Department of Propaedeutic Therapy, Professor, Samara State Medical University of the Ministry of Health of Russia, Deputy Chief Physician of the Samara Regional Clinical Cardiology Dispan

*Topic of the report:* Predictors of death in patients with end-stage chronic heart failure (results of the register of the Samara region) Indicators associated with the risk of death in patients with progressive form of chronic heart failure will be presented. 59 (10.0%) patients died 90 days after inclusion in the register. According to binary logistic regression analysis, the presence of LBBB, hydrothorax, the need for oxygen support at the outpatient stage, and a history of heart surgery were associated with a high risk of death.

**37. Samakaev Azat Safaevich** - postgraduate student of the Department of Therapy, Federal State Budgetary Institution of Higher Education, Rostov State Medical University of the Ministry of Health of Russia.

**Glova Svetlana Evgenievna** - Candidate of Medical Sciences, Associate Professor of the Department of Therapy, Federal State Budgetary Institution of Higher Education, Rostov State Medical University of the Ministry of Health of Russia.

**Khaisheva Larisa Anatolyevna** - Doctor of Medical Sciences, Professor of the Department of Therapy, Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia

*Topic of the report:* Factors affecting the prognosis in patients with coronary artery disease and CKD.

The report reflects the results of an original study of patients with stable angina and chronic kidney disease. An assessment of factors affecting the prognosis and progression of the disease was made. Predictors of damage to the cardiovascular system and kidneys in this category of patients have been identified.

38. **Svarovskaya Alla Vladimirovna** — Doctor of Medical Sciences, Senior Researcher, Department of Myocardial Pathology, Research Institute of Cardiology, Tomsk National Research Medical Center.

*Topic of the report:* Comorbidity as a factor of poor prognosis in patients after COVID-19.

Comorbid diseases in post-COVID-19 patients increase the risk of an adverse outcome due to the potentiation of the systemic damaging effect of the viral agent, the occurrence of a “cytokine storm”, decompensation of chronic heart failure, the development of acute complications, and possible drug interactions. The management of this category of patients requires knowledge of the characteristics of a viral infection, its clinical manifestations in combination with comorbid diseases. The report will present aspects of managing comorbid patients.

39. **Snezhko Irina Viktorovna** - Candidate of Medical Sciences Associate Professor of the Department of Hematology and Transfusiology with a course of clinical laboratory diagnostics, genetics and laboratory genetics of the Federal State Budgetary Educational Institution of Higher Education Rostov State Medical University of the Ministry of Health (Rostov-on-Don).

*Topic of the report:* Differential diagnosis of thrombocytopenia in the practice of a therapist One of the important causes of the development of hemorrhagic syndrome is immune thrombocytopenia, which must be differentiated from non-immune, thrombocytopenia of bone marrow origin and hereditary forms, which determines the tactics of managing patients. The report will outline the main provisions of the National Recommendations.



40. **Solovieva Alexandra Viktorovna** - Doctor of Medical Sciences, Associate Professor, Professor of the Department of Faculty Therapy named after. professor V.Ya. Garmash FGBOU VO RyazGMU of the Ministry of Health of Russia.

*Topic of the report:* Cardiovascular toxicity of anticancer therapy: risk stratification, prevention, monitoring.

The Cardio-Oncology Guidelines are the first guidelines for the prevention of cardiovascular complications in patients receiving anticancer therapy developed by the European Society of Cardiology (ESC) in collaboration with the European Hematology Association (EHA), the European Society for Radiation Therapy and Oncology (ESTRO) and the International Society of Cardio-Oncology (IC-OS) and presented for the first time at the European Congress of Cardiology in August 2022. The report will discuss the stratification of the risk of cardiovascular toxicity before the start of chemotherapy, the issues of prevention and monitoring of cardiotoxicity in oncology in accordance with current recommendations.

41. **Suroyedov Vladislav Alexandrovich** - postgraduate student of the Department of Therapy, Federal State Budgetary Institution of Higher Education, Rostov State Medical University of the Ministry of Health of Russia.

**Pirozhenko Anna Alexandrova** - Candidate of Medical Sciences, Associate Professor of the Department of Therapy, Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia.

**Khaisheva Larisa Anatolyevna** - Doctor of Medical Sciences , Professor, Department of Therapy, Federal State Budgetary Institution of Higher Education, Rostov State Medical University of the Ministry of Health of Russia.

**Shlyk Sergey Vladimirovich** - Doctor of Medical Sciences, Head of the Department of Therapy, Rector of the Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia. Topic: Predictors influencing the incidence of serious adverse cardiovascular events in patients with STEMI undergoing PCI within 36 months after the event.

*The report* presents the results of a 3-year follow-up of STEMI patients undergoing PCI. The following markers were assessed in these patients - matrix metalloproteinase -9; stimulating growth factor in dynamics during the entire observation period. The main components influencing the development of cardiovascular complications and deaths in the early and late periods are identified.

42. **Sushinsky Vadim Eduardovich** - Head of the Department of General Medical Practice of the Belarusian State Medical University, Candidate of Medical Sciences, Associate Professor, Chief Specialist of the Ministry of Health of the Republic of Belarus in General Medical Practice, Chairman of the Belarusian Society of General Practitioners.

*Topic of the report:* Clinical examination and risk factors for non-communicable diseases: the experience of the Republic of Belarus.

The report will present innovations in medical examinations adopted in the Republic of Belarus in 2023. The emphasis is on identifying risk factors for non-communicable diseases, medical prevention, determining groups for dispensary observation, promoting a healthy lifestyle and educating citizens to be responsible for their health. One of the stages of clinical examination is the conduct of a questionnaire aimed at identifying risk factors for cardiovascular, oncological, broncho-obstructive diseases, diabetes mellitus.

43. **Torosyan Serarpi Samoilovna** - postgraduate student of the Department of Cardiology with a course of functional diagnostics of the Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia.

**Drobotya N.V.** - Doctor of Medical Sciences, Professor, Head of the Department of Cardiology with a course of functional diagnostics of the Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia;

**Kaltykova Valentina Vladimirovna** - Candidate of Medical Sciences, Associate Professor of the Department of Cardiology with a course of functional diagnostics of the Federal State Budgetary Institution of Higher Education Rostov State Medical University of the Ministry of Health of Russia;

*Topic of the report:* Effects of drug correction of dysfunction of the left and right ventricles in patients with comorbid cardiac pathology. The report presents the results of an original study in comorbid patients who, according to echocardiography, revealed left and right ventricular dysfunction. The effect of drug therapy, the effect of drugs on one or another type of geodynamic or architectonic disturbances was assessed.

44. **Trisvetova Evgenia Leonidovna** - Doctor of Medical Sciences professor, professor of the 2nd department of internal diseases of the educational institution "Belarusian State Medical University", Republic of Belarus

*Topic of the report:* Acute heart failure due to rupture of the myxomatous cusp chorda in a patient with mitral valve prolapse (clinical analysis). Myxomatous lesion of the leaflet chords with mitral valve prolapse does not always proceed benignly. With physical stress, a chord

ruptures with the appearance of significant mitral regurgitation and an overload of the volume of the left ventricle with the development of acute left ventricular failure.

**45. Trukshina Maria Alexandrovna** - Researcher, Research Institute of Heart Failure, Federal State Budgetary Institution National Medical Research Center named after. V.A. Almazov of the Ministry of Health of Russia.

*Topic:* Algorithms for the treatment of chronic heart failure: what's new? Slowing the progression of heart failure is an important goal aimed at increasing life expectancy. The report will consider current approaches to the diagnosis and treatment of CHF from the standpoint of clinical recommendations.

**46. Uryasiev Oleg Mikhailovich** - Doctor of Medical Sciences, Professor, Head of the Department of Faculty Therapy named after. prof. V.Ya. Garmash FGBOU VO RyazGMU of the Ministry of Health of Russia.

**Panfilov Yury Andreevich** - Candidate of Medical Sciences, Associate Professor, Associate Professor of the Department of Faculty Therapy. prof. V.Ya. Garmash FGBOU VO RyazGMU of the Ministry of Health of Russia.

*Topic of the report:* Sarcopenia in the practice of a therapist.

Sarcopenia often complements and complicates the extensive and chronic course of many diseases in people of all ages, including young and middle. The report will present modern data that require new approaches in the classification, diagnosis and treatment of the presented pathology.

**47. Fedorets Viktor Nikolaevich** - Doctor of Medical Sciences, Professor of the Department of Hospital Therapy with a Course of Endocrinology, St. Petersburg State Pediatric Medical University, Ministry of Health of Russia.

*Topic:* CHF in the 21st century: from evolution to innovation in patient management. Heart failure is a serious and growing public health problem worldwide. The report will present a new universal definition of heart failure, the classification of CHF depending on the ejection fraction of the left ventricle. The report will outline the main goals and objectives of the treatment of patients with chronic heart failure of various phenotypes.

**48. Fomin Viktor Viktorovich** - Doctor of Medical Sciences, Professor, Corresponding Member. RAS, Head of the Department of Faculty Therapy No. 1 of the Institute of Clinical Medicine named after N.V. Sklifosovsky, Vice-Rector for Innovation and Clinical Activities,

First Moscow State Medical University named after I.M. Sechenov (Sechenov University), Russia, Moscow.

**Murkamilov Ilkhom Torobekovich** - Doctor of Medical Sciences, Associate Professor of the Department of Faculty Therapy of the Kyrgyz State Medical Academy named after I.K. Akhunbaeva; Associate Professor of the Department of Therapy No. 2 of the Medical Faculty of the Kyrgyz-Russian Slavic University named after the first President of the Russian Federation B.N. Yeltsin. Chairman of the Board of the Society of Specialists in Chronic Kidney Disease of Kyrgyzstan. Kyrgyzstan, Bishkek.

*Topic:* Fetuin-A is a new marker of cardiorenal syndrome. Cardiorenal syndrome is a widespread pathology in clinical cardiology and is characterized by the simultaneous existence of dysfunction / insufficiency of the heart and kidneys in the patient. Primarily, a patient with cardiorenal syndrome may have kidney dysfunction, leading to the development of chronic renal failure, and then cardiovascular complications and chronic heart failure. The report will briefly outline the main provisions of the cardiorenal syndrome with an emphasis on fetuin-A. A decrease in the concentration of fetuin-A can accelerate the structural and functional changes in the cardiovascular system and increase mortality among people with chronic renal failure.

49. **Khursa Raisa Valentinovna** - Candidate of Medical Sciences, Associate Professor of the Department of Polyclinic Therapy of the Belarusian State Medical University

*Topic of the report:* Individual features of blood circulation regulation in the dynamic range of blood pressure values: from theory to practice.

A method is proposed for determining the hemodynamic phenotype by regression modeling of individual series of blood pressure values. Differences in the regulation of hemodynamics depending on the phenotype have been established, which should be taken into account when choosing treatment tactics in patients with arterial hypertension.

50. **Chernova Anna Aleksandrovna** - Doctor of Medical Sciences, Professor of the Department of Faculty Therapy of the Krasnoyarsk State Medical University named after Professor V.F. War - Yasenetsky

**Nikulina Svetlana Yurievna** - Doctor of Medical Sciences, Professor, Head of the Department of Faculty Therapy, Krasnoyarsk State Medical University named after Professor V.F. War - Yasenetsky

*Topic of the report:* Stigmas of dysembryogenesis and frequency of mitral valve prolapse in patients with sick sinus syndrome.

The report presents phenotypic predictors in the form of various stigmas of dysembryogenesis in patients with sick sinus syndrome, depending on various forms of SSSU, depending on gender.

**51. Shakhanov Anton Valerievich** - Candidate of Medical Sciences, Associate Professor, Associate Professor of the Department of Faculty Therapy. prof. V.Ya. Garmash FGBOU VO RyazGMU of the Ministry of Health of Russia.

**Uryasiev Oleg Mikhailovich** - Doctor of Medical Sciences, Professor, Head of the Department of Faculty therapy to them. prof. V.Ya. Garmash FGBOU VO RyazGMU of the Ministry of Health of Russia.

*Topic:* Inhalation Therapy and Cardiovascular Comorbidity: Possible risks.

Among patients with broncho-obstructive diseases, there is a high prevalence of concomitant cardiovascular diseases. At the same time, it is known that most of the inhaled drugs used can have a negative impact on the functioning of the cardiovascular system. The report will present current data on the safety of inhaled drugs and analyze possible approaches to the choice of drugs in patients with cardiovascular comorbidity.

**52. Shatskaya Olga Alexandrovna** - Candidate of Medical Sciences, Leading Researcher, Endocrinologist of the Federal State Budgetary Institution National Research Center for Endocrinology of the Ministry of Health of Russia.

*Topic:* Diabetic myopathy as a cardiometabolic risk factor in patients with type 1 diabetes mellitus.

Cardiovascular disease remains the leading cause of death in diabetic patients. Currently, a decrease in muscle mass in patients with diabetes mellitus is considered as another significant cardiometabolic risk factor. The report presents the results of a research work on the relationship between functional indicators of the cardiorespiratory system and body composition in young patients with type 1 diabetes mellitus. Possible mechanisms of skeletal muscle atrophy in diabetes mellitus are discussed.

**53. Shevtsova Natalya Nikolaevna** - Candidate of Medical Sciences, Associate Professor of the Department of General Medical Practice (Family Medicine) with a course of geriatrics, State Budgetary Educational Institution of the Moscow Region, MONIKI named after. M.F. Vladimirsky, Expert of the Accreditation Commission of the Ministry of Health of the Russian Federation for the accreditation of specialists in AFP (family medicine), Member of the Board of the Association of General Practitioners of the Moscow Region, Tutor PRIME, Member of the World Organization of Family Physicians (WONCA).

*Presentation topic:* Cardiovascular risk management in the post-COVID period. The report will present current information on the main variants, the prognostic value of complications of coronavirus infection caused by SARS-CoV-2, the pathogenetic rationale for the need for cardiac alertness, the role of endothelial dysfunction as the main factor in the pathophysiology of thrombotic complications in the long-term period, the role of platelet antiplatelet agents and angioprotectors in therapy of patients with cardiovascular diseases in the post-COVID period, taking into account thrombogenic risks.

**54. Yakubova Lyudmila Valerievna** - Head of the Department of AFP and Polyclinic Therapy, GrSMU, MD, Professor, Grodno State Medical University, Grodno, Belarus.

*Topic of the report:* Chronic coronary syndromes: the concept of pathogenesis, pre-test probability, general principles of therapy.

According to the guidelines for the diagnosis and treatment of chronic coronary syndromes (CCS), first presented by the ESC in 2019, 6 types are united by a common pathogenesis.

In addition, the duration of the course of CCS is emphasized, which is periodically complicated by ACS. In a number of large studies in recent years, it has been shown that the assessment of the pretest probability of coronary artery disease is greatly overestimated and is accompanied by the appointment of unreasonable additional specific diagnostic tests in more than 50% of patients, so the PTT table has been modified. The basic principles of CCS therapy will be announced.