

The Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing
The Federal Budget Scientific Institution 'Federal Scientific Center
for Medical and Preventive Health Risk Management Technologies'
of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing
Directorate of Federal Service for Surveillance on Consumer Rights Protection
and Human Wellbeing of the Perm region
The Russian Academy of Sciences, Section of the Preventive Medicine of
the Medical Sciences Department
The Federal Budget Scientific Institution of Higher Education
'Perm State Medical University named after the Academician E. A. Wagner' of
the Ministry of Health of the Russian Federation

WITH THE PARTICIPATION OF

*RISE, a group specialized in the field of the environment and neurology of the
World Federation of Neurology of the University of Strasbourg (France), Oregon State University (USA),
Uppsala University (Sweden), National Institute for Food Control, Hanoi (SRV)*

**HEALTH RISK ANALYSIS – 2021
ENVIRONMENTAL, SOCIAL, MEDICAL CARE
AND BEHAVIOURAL ASPECTS
AND RISE-2021 MEETING ON ENVIRONMENTAL HEALTH**

**Dedicated to the year of science and technology
in the Russian Federation**

**PROGRAM
THE X ALL-RUSSIAN SCIENTIFIC AND PRACTICAL CONFERENCE
WITH THE INTERNATIONAL PARTICIPATION**

May 18–20

Perm 2021

Conference organizers

The Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing

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CONFERENCE PROGRAM

Session 1

LEGAL AND UP-TO-DATE METHODOLOGICAL ASPECTS OF HEALTH RISK ANALYSIS IN PROVIDING SANITARY AND EPIDEMIOLOGICAL WELL-BEING

1.1	RISK-ORIENTED SANITARY-EPIDEMIOLOGIC SURVEILLANCE: PROSPECTS GIVEN DIGITAL TRANSFORMATION <i>Acad. of the RAS, DSc in Medicine, prof. Nina Vladimirovna Zaitseva, DSc in Biology, prof. May I.V.</i> the FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm
1.2	New risks and threats in the field of food safety <i>Acad. of the RAS, DSc in Medicine, prof. . V.A. Tutelyan</i> FGBUN "Federal Research Center of Nutrition and Biotechnology", Moscow
1.3	Sociology of disease <i>Acad. of the RAS, DSc., prof. A.V. Reshetnikov</i> FGAOU VO "First Moscow State Medical University named after I.M. Sechenov "Ministry of Health of the Russian Federation, Moscow
1.4	Topical issues of state sanitary and epidemiological regulation in the Republic of Belarus <i>DSc., docent E.V. Fedorenko, DSc., docent E.V. Drozdova, A.V. Kovchur, DSc., docent S.I. Sichik</i> Republican Unitary Enterprise "Scientific and Practical Center for Hygiene", Republic of Belarus, Minsk
1.5	Topical issues of professional risk management <i>DSc in Medicine A.V. Meltser</i> Federal State Budgetary Educational Institution of Higher Education "North-Western State Medical University named after I. I. Mechnikov" of the Ministry of Health of the Russian Federation, St. Petersburg
1.6	Development of informatization of education in the Russian Federation: medical and social aspects <i>Corresponding Member RAS, DSc in Medicine, prof. V.R. Kuchma, M.A. Polenova</i> Federal Scientific Center for Hygiene named after F.F. Erisman " Rospotrebnadzor, Mytishchi
1.7	Calculation of radiation damage based on the WHO methodology for

	<p>assessing the disease burden <i>L.V. Repin</i> FBSI "St. Petersburg Research Institute of Radiation Hygiene named after Professor P.V. Ramzaev" Rospotrebnadzor, St. Petersburg</p>
1.8	<p>Protocol on Water and Health as a Potential Tool to Achieve Sustainable Development Goals for Water Supply, Sanitation and Water Protection <i>DSc in Medicine, Associate Professor S.I. Sychik, DSc in Medicine, Associate Professor E.V. Drozdova, I.A. Prosviryakova, A.N. Gankin, A.E. Pshegroda, A.V. Firago, T.Z. Surovets, V.A. Zankevich</i> Republican Unitary Enterprise "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus</p>
1.9	<p>Topical issues of risk assessment and the impacts on the citizens of objects accumulated harm health <i>Acad. of the RAS, DSc in Medicine, prof. Nina Vladimirovna Zaitseva, DSc in Biology, prof. May I.V.</i> the FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm</p>
1.10	<p>Interspecies links between microorganisms and unicellular protozoa in the soil microbiocenosis of urbanized areas <i>K.Yu. Kuznetsova, Acad. RAS, MD, prof. Yu.A. Rakhmanin, M.A. Vodianova, A.V. Zagainova, A.G. Malysheva, M.A. Kuznetsova</i> ¹FGBU "Center for Strategic Planning and Management of Biomedical Health Risks" FMBA of Russia, Moscow, ²Scientific Research Institute of Human Ecology and Environmental Hygiene named after A.N. Sysina, Moscow</p>
1.11	<p>Mobile phones at school as a risk factor for health disorders in the modern educational environment <i>I.I. Novikova, N.A. Zubtsovskaya, M.A. Lobkis, M.A. Kuzmenko</i> FBSI "Novosibirsk Research Institute of Hygiene" Rospotrebnadzor, Novosibirsk city</p>
1.12	<p>Chemicals unintentionally present in food: identification and assessment of potential hazards <i>M.D. P.Z. Shur</i> FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm</p>
1.13	<p>Experience in organizing and conducting sanitary and epidemiological studies to identify and prove the connection between health disorders of the population and the quality of atmospheric air in the zones of influence of economic entities</p>

	<p><i>Acad. RAS, MD, prof. N.V. Zaitseva¹, Ph.D. I.G. Zhdanova-Zaplesvichko², Doctor of Medical Sciences, Associate Professor M.A. Zemlyanova¹, A.N. Perezhogin², D.F. Savinykh²</i></p> <p>¹ FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm, ² Rospotrebnadzor Administration for Irkutsk Region, Irkutsk</p>
1.14	<p>Influence of the regulatory guillotine on the assessment of electromagnetic radiation of radio frequencies from cellular base stations</p> <p><i>A.L. Ponomarev</i></p> <p>FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm</p>

Session 2

INTERNATIONAL MEETING RISE 2021. SANITATION AND EPIDEMIOLOGICAL SITUATION, HEALTH RISKS DURING THE COVID-19 PANDEMIC

2.1	<p>Observations and questions about the Covid-19 Pandemic's early phase</p> <p><i>J. Reis¹, R. Frutos², A. Buguet³, A. Le Faou⁴, G. Sandner⁵, P.S. Spencer⁶, G. Román⁷</i></p> <p>^{1,5} University of Strasbourg, Strasbourg, France ² University of Montpellier, France ³ Claude-Bernard Lyon-1 University, France ⁴ University of Lorraine, Nancy, France ⁶ Department of Neurology, School of Medicine, Oregon Institute of Occupational Health Sciences, Oregon Health & Science University, Portland, USA.</p>
2.2	<p>Air pollution as a risk factor for the spread of COVID-19</p> <p><i>Acad. RAS, MD, prof. N.V. Zaitseva, Doctor of Biological Sciences, prof. I.V. May</i></p> <p>FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm</p>
2.3	<p>COVID-19: Neurological Involvement and Sequelae</p> <p><i>P.S. Spencer¹, G. Román², A. Buguet³, A. Guekht⁴, J. Reis⁵</i></p> <p>¹ Department of Neurology, School of Medicine, Oregon Institute of</p>

	<p>Occupational Health Sciences, Oregon Health & Science University, Portland, USA.</p> <p>² Department of Neurology, Neurological Institute, Houston Methodist Hospital, Houston, USA.</p> <p>³ General (r) French Army Health Services, Malaria Research Unit, UMR 5246 CNRS, Claude-Bernard Lyon-1 University, Villeurbanne,</p> <p>⁴ Moscow Research and Clinical Center for Neuropsychiatry and Russian National Research Medical University, Moscow, Russia,</p> <p>⁵ Université de Strasbourg, Strasbourg, France and Association RISE, France.</p>
2.4	<p>IMPACT OF THE FIRST COMPLETE LOCKDOWN IN 2020 IN FRANCE ON THE HOSPITAL ADMISSIONS OF STROKE AND TIA</p> <p><i>Maurice Giroud¹, Anne-Sophie Mariet^{2,3}, Jacques Reis⁴, Catherine Quantin^{2,3,5}, Yannick Béjot¹</i></p> <p>¹Department of Neurology, University Hospital of Dijon. Dijon Stroke Registry (EA 7460), University of Burgundy-Franche Comté, France,</p> <p>²Biostatistics and Bioinformatics (DIM), University Hospital of Dijon, France,</p> <p>³CIC.1432. University Hospital of Dijon, Clinical Investigation Center, Clinical Epidemiology/Clinical Trials Unit, Dijon, France,</p> <p>⁴Department of Neurology, University Hospital of Strasbourg, University of Strasbourg, France, Association RISE, 3 rue du Loir, 67205, Oberhausbergen, France</p> <p>⁵University Paris-Saclay, UVSQ, University Paris-Sud, Inserm, High-Dimensional Biostatistics for Drug Safety and Genomics, CESP, Villejuif, France</p>
2.5	<p>STROKE AND STROKE RISK FACTORS AS DISEASE BURDEN</p> <p><i>S. Ozturk</i></p> <p>Selcuk University Faculty of Medicine, Department of Neurology, Konya, Turkey</p>
2.6	<p>Exposure to rituximab and COVID-19 risk in patients with Multiple Sclerosis</p> <p><i>Ellen Iacobaeus¹, Inger Boström², Christina Zhukovsky³, Shala G. Berntsson³, Anne-Marie Landtblom^{2,3}</i></p> <p>¹Department of Clinical Neuroscience, Division of Neurology, Karolinska Institute and Karolinska University Hospital, Stockholm, Sweden</p> <p>²Department of Biomedical and Clinical Sciences, Faculty of Medicine and Health Sciences, Linköping University, Linköping, Sweden</p> <p>³Department of Neuroscience, Uppsala University, Uppsala, Sweden</p>
2.7	<p>Implementation of control of community facilities during the period of Covid-19 new coronavirus infection in Moscow city</p> <p><i>A.I. Khudoborodov</i></p>

	Office of the Federal Service for Supervision of Consumer Rights Protection and Human Welfare in Moscow, Moscow, Russia
2.8	Organization of vaccination against coronavirus infection COVID-19 in the Chelyabinsk region <i>Ph.D. V.V. Sakharova¹, D.E. Korshunov²</i> ¹ Institute of Continuing Professional Education FSBEI HE "South Ural State Medical University" of the Ministry of Health of Russia, Chelyabinsk ² Ministry of Health of the Chelyabinsk Region, Chelyabinsk
2.9	Topical issues of medical waste management in the context of the COVID-19 pandemic <i>Ph.D. I.S. Evseeva</i> FSBI "Center for Strategic Planning and Management of Biomedical Health Risks" FMBA of Russia, Moscow
2.10	Impact of the new coronavirus infection COVID-19 on mental health: problems and solutions <i>A.B. Hecht, R.G. Akzhigitov, M.S. Zinchuk, E.V. Pashnin</i> Moscow Scientific and Clinical Center of Neuropsychiatry, Moscow
2.11	Features food at coronavirus infection in isolation and quarantine <i>A.V. Istomin, O.V. Vetrova, V.N. Rusakov, L.A. Rummyantseva</i> Federal Scientific Center for Hygiene named after F.F. Erisman "Rospotrebnadzor, Mytishchi"

Session 3

SANITARY, MEDICAL AND DEMOGRAPHIC PROBLEMS OF THE REGIONS AT THE PRESENT STAGE

3.1	Modern epidemiological features and assessment of the real risk of malignant neoplasms in the population of an industrial city <i>L.A. Deryabkina², B.I. Marchenko^{1,2}, K.S. Tarasenko²</i> ¹ Federal State Autonomous Educational Institution of Higher Education "Southern Federal University", Rostov-on-Don, ² Branch of FBUZ "Center for Hygiene and Epidemiology in the Rostov Region" in the city of Taganrog, Taganrog
3.2	Using the data of social and hygienic monitoring to assess the quality of drinking water <i>Yu.A. Novikova</i> FBSI "North-West Scientific Center of Hygiene and Public Health" Rospotrebnadzor, St. Petersburg
3.3	Analysis of the incidence of children in the geochemical province (South Ural)

	<p><i>Doctor of Biological Sciences, prof. I.N. Semenova, Ph.D. Yu.S. Rafikova, Doctor of Biological Sciences, Associate Professor R.F. Khasanova, Candidate of Biological Sciences, Associate Professor G.R. Ilbulova, Doctor of Biological Sciences, prof. I. T. Suyundukov</i></p> <p>Institute for Strategic Studies of the Republic of Bashkortostan, Sibay</p>
3.4	<p>Features of mortality in the cities of the Far North (on the example of Nizhnevartovsk and Yakutsk)</p> <p><i>O.V. Shopina, M.M. Saltykova, A.V. Balakaeva, I.P. Bobrovnitsky</i></p> <p>FSBI "Center for Strategic Planning and Management medical and biological risks to public health "FMBA of Russia, Moscow</p>
3.5	<p>The functional state of the cardiorespiratory system in cadets</p> <p><i>Ph.D. I.E. Shtina, Ph.D. S.L. Valina, MD O.Yu. Ustinova, Ph.D. YES. Eisfeld</i></p> <p>FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm</p>
3.6	<p>The study of adherence to the principles of healthy eating among young people</p> <p><i>V.N. Dolich, I.V. Zaikina, N.E. Komleva</i></p> <p>Saratov Medical Scientific Center of Hygiene FBSI "Federal Scientific Center for Medical and Preventive public health risk management technologies "Rospotrebnadzor, Saratov</p>
3.7	<p>The value of behavioral risk factors in the development of deviations in the health status of students</p> <p><i>Ph.D. S. B. Sokolova</i></p> <p>¹ Research Institute of Hygiene and Health Protection of Children and Adolescents, Federal State Autonomous Institution "National Medical Research Center of Children's Health" of the Ministry of Health of the Russian Federation, Moscow</p> <p>² Federal Scientific Center for Hygiene named after F.F. Erismana ", Mytishchi</p>
3.8	<p>The results of the assessment of catering in educational institutions of the Chelyabinsk region</p> <p><i>V.V. Makarova, I.G. Zorina</i></p> <p>¹ Rospotrebnadzor Administration for the Chelyabinsk Region,</p> <p>² FSBEI HE "South Ural State Medical University" of the Ministry of Health of the Russian Federation, Chelyabinsk</p>
3.9	<p>To the issue of improving the supervisory measures of the Rospotrebnadzor administration in the Chelyabinsk region in terms of the implementation of the federal project "Clean Air"</p> <p><i>S. B. Legoshina</i></p> <p>Rospotrebnadzor Administration for the Chelyabinsk Region, Chelyabinsk</p>

Session 4

HEALTH RISK ANALYSIS IN HYGIENE STUDIES

4.1	The main results of health risk assessment in a number of cities participating in the FP "Clean Air" (Lipetsk, Cherepovets, Novokuznetsk, Omsk) <i>Ph.D. N.S. Dodina</i> Federal Scientific Center for Hygiene named after F.F. Erismana ", Mytishchi
4.2	Assessment and analysis of the risk to the health of the population of the Tyumen region from air pollution <i>D.V. Ugreninova, P.M. Denisov</i> Rospotrebnadzor Administration for the Tyumen Region, Tyumen
4.3	Health risks associated with ambient air in Bratsk city <i>E.V. Maksimova, I. V. May, S.Yu. Balashov</i> FBSI 'Federal Scientific Center for Medical and Preventive Health Risk Management Technologies' of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing, Perm
4.4	Dust pollution of atmospheric air as a health risk factor <i>S. Yu. Zagorodnov</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
4.5	Issues of hazard assessment, identification and assessment of public health risks of substances with carcinogenic effects (for example, resinous substances of tar sublimates) <i>Ph.D. L.A. Fedotova</i> FSBI "Center for Strategic Planning and Management medical and biological risks to public health "FMBA of Russia, Moscow
4.6	Comparative analysis of global approaches to assessing the risks associated with soil pollution for public health <i>Ph.D. O.V. Ushakova</i> FSBI "Center for Strategic Planning and Management medical and biological risks to public health "FMBA of Russia, Moscow
4.7	Assessment of carcinogenic risk associated with an increased

	<p>content of 3,4-benz (a) pyrene in the soil of the city of Taganrog <i>L.A. Deryabkina², B.I. Marchenko¹, K.S. Tarasenko¹</i> ¹ Federal State Autonomous Educational Institution of Higher Education "Southern Federal University", Rostov-on-Don ² Branch of FBUZ "Center for Hygiene and Epidemiology in the Rostov Region" in the city of Taganrog, Taganrog</p>
4.8	<p>Organization of education in a digital educational environment: health risks of schoolchildren <i>Ph.D. I.E. Alexandrova</i> Research Institute of Hygiene and Health Protection of Children and Adolescents, Federal State Autonomous Institution "National Medical Research Center of Children's Health" of the Ministry of Health of the Russian Federation, Moscow</p>
4.9	<p>Risk assessment and management for children's health during their organized recreation <i>A.S. Sedova¹, L.M. Protsenko^{2,3}</i> ¹ Federal Scientific Center for Hygiene named after F.F. Erismana ", Mytishchi ² FSBEI DO "Federal Center for Children and Youth Tourism and Local History" of the Ministry of Education of the Russian Federation, Moscow ³ Federal State Budgetary Educational Institution of Higher Education "Moscow Pedagogical State University" of the Ministry of Education of the Russian Federation, Moscow</p>
4.10	<p>Study of nitrate content in vegetables for human health risk assessment <i>Doctor of Medical Sciences, Associate Professor R.V. Buzinov¹, Doctor of Medicine T.N. Ungureanu¹, K.V. Krutskaya², K.V. Tsvetkova³, Yu.I. Ryakova³, K.S. Simanovskaya³</i> ¹ Rospotrebnadzor Administration for the Arkhangelsk Region, Arkhangelsk ² FBUZ "Center for Hygiene and Epidemiology in the Arkhangelsk Region", Arkhangelsk ³ Northern State Medical University, Arkhangelsk</p>
4.11	<p>Justification of the permissible daily dose of phthalates in milk <i>S.E. Zelenkin</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
4.12	<p>Regional features of the nutrition and health of the Sverdlovsk region of schoolchildren <i>Ph.D. T.V. Mazhaeva, I.A. Nosova, N.I. Pryanichnikova, N.A. Moiseeva</i></p>

	¹ FBUN EMNTS POZRPP Rospotrebnadzor, Yekaterinburg ² Rospotrebnadzor Administration for the Sverdlovsk Region, Yekaterinburg city
4.13	Heterocyclic amines in Vietnamese cooked meats and fishes: Pilot local field investigation findings <i>Le Thi Hong Hao¹ (First), Dang Thu Hien¹, Tran Cao Son¹, Nguyen Thi Minh Hoa¹, Nguyen Thi Hong Ngoc¹, Le Tran Ngoan²</i> ¹ National Institute for Food Control, Hanoi, Vietnam ² International university of health and welfare, Otawara City, Japan
4.14	Quantitative assessment of health risks based on computer testing of physical and mental status <i>Doctor of Biological Sciences, Prof., Honored Scientist of the Russian Federation R.I. Eisman</i> ¹ FBSI Research Institute of Hygiene "Rospotrebnadzor, Novosibirsk city ² FSBEI HE "Novosibirsk State Pedagogical University", Novosibirsk city

Session 5

HEALTH RISK ANALYSIS IN EPIDEMIC RESEARCH

5.1	Methods of microbiological monitoring and control of the sanitary and epidemiological state of environmental objects <i>Ph.D. O.V. Tonko</i> Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus
5.3	Rationale for reference pathogens to quantify water-related health risks <i>Candidate of Medical Sciences, Associate Professor E.V. Drozdova, T.V. Amvroseva, N.V. Dudchik, D.S. Greek, T.Z. Surovets, A.V. Firago</i> RUE "Scientific and Practical Center of Hygiene" Minsk, Republic of Belarus
5.4	Isolation and characterization of <i>Staphylococcus aureus</i> from two large-scale food poisoning outbreaks in Vietnam <i>Lam Quoc Hung¹, Huong Minh Nguyen³, Ta Thi Yen², Le Vinh Hoa², Tran Hong Ba², Pham Le Quyen^{2,4}, Do Thi Thu Huong⁵, Nguyen Thanh Trung², Le Thi Hong Hao²</i> ¹ Vietnam Food Administration, 135 Pho Nui Truc Str., Giang Vo, Ba Dinh, Hanoi, Vietnam ² National Institute for food control, NIFC-Vietnam, 65 Pham Than Duat Str., Hanoi, Vietnam

	³ Institute of Biotechnology, Vietnam Academy of Science and Technology, 18 Hoang Quoc Viet Str., Cau Giay, Hanoi, Vietnam ⁴ Quang Binh Center for Disease Control and Prevention, 3150 Rampart Road Str., Fort Collins, USA. ⁵ National Agro-Forestry Fisheries Quality Assurance Department, 10 Nguyen Kong Hoan Str., Ba Đình, Hanoi, Vietnam
5.5	Experimental modeling of microbial contamination of food production facilities <i>N.V. Dudchik, D.S. Grek, O.E. Nezhvinskaya</i> RUE "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus
5.6	Monitoring the level of awareness of young people about HIV infection to determine the social risk of infection and search for priority areas of prevention <i>I.O. Taenkova, O.E. Trotsenko, A.A. Taenkova, L.A. Balakhontseva, E.A. Bazykina</i> FBSI 'Khabarovsk Research Institute of Epidemiology and Microbiology of the Federal Service on Surveillance for Consumer Rights Protection and Human Wellbeing, Khabarovsk, the Russian Federation

Session 6

RISK ANALYSIS IN LABOR HYGIENE

6.1	Sanitary and epidemiological modeling of the formation of occupational morbidity in the region <i>T.A. Suvidova¹, Ph.D. G.V. Kurenkova²</i> ¹ FBUZ "Center for Hygiene and Epidemiology in the Kemerovo Region", Kemerovo ² Federal State Budgetary Educational Institution of Higher Education "Irkutsk State Medical University" of the Ministry of Health of the Russian Federation, Irkutsk
6.2	Occupational diseases of workers in basic sectors of agriculture, risk-associated with the severity of the labor process <i>MD, G. A. Bezrukova, Ph.D. T.A. Novikova</i> Saratov MSC of Hygiene Federal Scientific Center for Medical and Preventive Technologies for Managing Public Health Risks, Rospotrebnadzor, Saratov
6.3	Comprehensive assessment of risk factors for professional burnout of teachers of secondary schools <i>MD. A.V. Zheglova</i>

	Federal Scientific Center for Hygiene named after F.F. Erismana ", Mytishchi
6.4	The influence of environmental and behavioral factors on the biological age of workers in the mining and metallurgical complex <i>Ph.D. O.G. Drugova</i> FBSI "Yekaterinburg MSC for the prevention and protection of the health of workers at industrial enterprises" Rospotrebnadzor, Yekaterinburg
6.5	Risk factors for health disorders based on subjective assessments of employees of an electric machine-building enterprise <i>MD. A.V. Meltser</i> Federal State Budgetary Educational Institution of Higher Education "North-West State Medical I.I. Mechnikov "Ministry of Health of the Russian Federation, St. Petersburg
6.6	The influence of working conditions of the production of synthetic detergents on the health of workers <i>O.V. Korolev</i> Vesna Medical Group LLC, Perm
6.7	Subjective assessment of the state of the body as an element of prevention of violations of professional health of medical workers <i>Ph.D. A.V. Zelenko, S.N. Tolkach, O.K. Sinyakova, E.S. Shcherbinskaya, E.A. Semushina, L.M. Sychik</i> Republican Unitary Enterprise "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus
6.8	Assessment of the risk of disease occurrence as a result of exposure to noise exceeding the maximum permissible levels <i>V.A. Fokin</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
6.9	Comparative assessment of the features of the formation of chronic pathology under the influence of welding aerosols and cooling microclimate of open production sites and an underground mine <i>E.M. Polyakova</i> FBSI "North-West Scientific Center of Hygiene and Public Health" Rospotrebnadzor, St. Petersburg
6.10	Experience of using modern markers for assessing metabolic disorders in workers of a chrome ore mine <i>MD K.P. Luzhetsky</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and

	Human Wellbeing, Perm, Russia
6.11	<p>Neurogenic mechanisms of development of cardiovascular pathology in workers of underground chrome ore mining <i>Ph.D. A.E. Nosov, Yu.A. Ivashova, E.M. Vlasova, A.A. Vorobyova, O. Yu. Ustinova</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
6.12	<p>Features of vegetative regulation in workers of hazardous industries <i>Ph.D. EAT. Vlasov, V.B. Alekseev, Yu.A. Ivashova</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>

Session 7

MEDICAL AND BIOLOGICAL ASPECTS OF THE IMPACT OF RISK FACTORS ON HUMAN

7.1	<p>Identification of omic markers for predicting the risk of developing negative effects in children with high levels of copper and nickel in the blood <i>Yu.V. Koldibekova, M.A. Zemlyanova, N.I. Bulatova</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
7.2	<p>Comparative assessment of toxicity and danger of repellent agents for young children <i>A.I. Vinogradova</i></p> <p>FBUN "Research Institute of Disinfectology", Moscow</p>
7.3	<p>Pathogenetic patterns of the formation of polyvalent hypovitaminosis associated with the impact of alimentary and chemical technogenic factors <i>A.M. Yambulatov</i></p> <p>Rospotrebnadzor Administration for the Perm Territory, Perm</p>
7.4	<p>Features of genetic polymorphism in workers under industrial</p>

	<p>chemical factors associated with the risk of developing cardiovascular diseases <i>K.G. Starkova, MD O.V. Dolgikh</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
7.5	<p>Immunological and molecular genetic indicators of health disorders associated with environmental factors <i>MD O.V. Dolgikh</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
7.6	<p>Experience of using flow cytometry to identify indicators that control apoptosis in children with excess strontium in the blood <i>MD O.V. Dolgikh, MD D.G. Dianova</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
7.7	<p>Features of spermogram indices in men with varying degrees of burden of reproductive history, living on the territory of a large industrial city <i>A.V. Krivtsov, MD D.G. Dianova, MD O.V. Dolgikh ФБУН</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
7.8	<p>Features of the effect of the components of modern synthetic detergents on the human body <i>Ph.D. A.A. Vorobieva, Ph.D. EAT. Vlasova</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
7.9	<p>Characteristics of vaccination history and humoral immunity against whooping cough in students of secondary educational institutions <i>V.G. Makarova, O. Yu. Ustinova</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of</p>

	Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
7.10	<p>Features of the formation of biliary dysfunction in primary school students <i>O.G. Tolmacheva, O.A. Maklakova, I.E. Shtina, A. Yu. Vandysheva, M.T. Zenina</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>

Session 8

CHEMICAL-ANALYTICAL AND INFORMATION-SOFTWARE SUPPORT FOR HEALTH RISK ASSESSMENT

8.1	<p>Improving the methodological support of chemical and analytical research <i>Doctor of Biological Sciences T.S. Ulanova</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
8.2	<p>Methods for measuring mass concentrations of methyl acrylate, methyl methacrylate and vinyl acetate in aqueous extracts based on headspace gas chromatographic analysis to assess the hygienic safety of consumer goods <i>A.A. Kuzovkova, T.P. Crimean</i> Republican Unitary Enterprise "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus</p>
8.3	<p>Methodological aspects of the determination of suspended solids in the atmospheric air <i>Doctor of Biological Sciences T.S. Ulanova, E.A. Sukhikh, M.V. Antipiev, A.I. Smolnikov</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
8.4	<p>Improvement of methodological support to reduce the limits of detection in the blood concentrations of aromatic hydrocarbons through the use of modern analytical equipment <i>Doctor of Biological Sciences T.V. Nurislamova</i></p>

	Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
8.5	<p>Experience in creating a computerized method for calculating the reproductive rate and forecasting incidence in the R language using adapted interface forms</p> <p><i>V.I. Chalapa, A.G. Gusev, A.A. Kosova</i></p> <p>¹ Yekaterinburg Research Institute of Viral infections - branch of the Federal State Budgetary Scientific Institution "State Scientific Center Virology and biotechnology "Vector" "Rosпотребнадзор, Yekaterinburg, ²Federal State Budgetary Educational Institution of Higher Education "Ural State Medical University" of the Ministry of Health of the Russian Federation, Yekaterinburg</p>

Session 9

PREVENTION OF RISK-ASSOCIATED HEALTH DISORDERS

9.1	<p>Opportunities and prospects of risk-based infection prevention technologies related to health care</p> <p><i>N.I. Briko, MD, PhD, prof. E.B. Brusina, L.P. Zueva, O. V. Kovalishena, V.L. Stasenko, I. V. Feldblum</i></p> <p>FSBEI HE "Kemerovo State Medical University" of the Ministry of Health of the Russian Federation, Kemerovo</p>
9.2	<p>Features of the state of health of the population of the industrially developed centers of the Arctic zone of Russia. Substantiation of regional programs for the prevention of diseases associated with the impact of technogenic factors</p> <p><i>MD O.Yu. Ustinova</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
9.3	<p>Organization of prevention in school-related disease with features of educational process and lifestyle</p> <p><i>Ph.D. S.L. Valina, MD O.Yu. Ustinova, Ph.D. I.E. Shtina, Doctor of Medicine O. A. Maklakova, Ph.D. YES. Eisfeld</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>

9.4	<p>To the problem of prevention of respiratory diseases and comorbid pathology in children associated with aerogenic exposure to technogenic chemicals</p> <p><i>O. A. Maklakova</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
9.5	<p>Hygienic and biological aspects of adaptation of children with disabilities</p> <p><i>M.D. Sebirzyanov^{1,2}, MD, DSc, prof., L.P. Bannikova²</i> ¹ Federal State Budgetary Healthcare Institution "Central Medical and Sanitary Unit No. 15" of the Federal Medical and Biological Agency of Russia, Snezhinsk ² FSBEI HE "South Ural State Medical University" of the Ministry of Health of the Russian Federation, Chelyabinsk</p>
9.6	<p>Preventive measures to reduce the harmful effects of electromagnetic radiation on health</p> <p><i>Dr. Yael Stein MD^{1 2}</i> ¹ Faculty of Medicine, Hebrew University of Jerusalem, Israel ² Department of Anesthesiology, Critical Care and Pain Medicine, Hadasah Medical Center, Jerusalem, Israel</p>
9.7	<p>Disinfection of medical devices is aimed at the prevention of parasitic infections associated with the provision of medical care to patients and staff in medical institutions</p> <p><i>Ph.D. M.M. Aslanova¹, T.V. Golobova², A.V. Zagainova¹, D.V. Rakitina¹</i> ¹ FSBI "Center for Strategic Planning and Management of Medical and Biological Health Risks" FMBA of Russia, Moscow, ² FBSI "Research Institute of Disinfectology" Rospotrebnadzor, Moscow</p>
9.8	<p>Features of the study of the effectiveness of the use of industrial exoskeletons designed to support the upper limbs</p> <p><i>E.S. Shitova</i> FSBSI "Research Institute of Occupational Medicine named after Academician N.F. Izmerova ", Moscow</p>
9.9	<p>Possibility of maintaining the health of workers in the conditions of the combined effects of vibration and physical overload</p> <p><i>T.A. Ponomareva, E.M. Vlasova, S.V. Mokrushin</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
9.10	<p>Regulation of the drug response of statins to improve the quality of</p>

life of patients with coronary artery disease

MD, prof. G.S. Mal

FSBEI HE "Kursk State Medical University" of the Ministry of Health of the Russian Federation, Kursk

Session 10

COMPETITION OF YOUNG SCIENTISTS

Chairmen - Competition Commission:

10.1	Development of optimal whisker identification and chromatographic separation of azithromycin by high performance liquid chromatography <i>A.S. Zorina, M.O. Starchikova,</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
10.2	Features of immunological indicators in workers in the petrochemical industry with pathology of the cardiovascular system <i>Yu.A. Chelakova</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
10.3	CYP1A1 gene (RS1048963) and its polymorphism in children with excessive contamination of biological media with heavy metals <i>A.A. Mazunina</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
10.4	Assessment of the proteomic immune profile of oil production workers using flow cytometry <i>I.N. Alikina</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and

	Human Wellbeing, Perm, Russia
10.5	<p>Assessment of the state of the immune system of the adult population under the influence of technogenic chemical risk factors</p> <p>A.S. Shirinkina Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.6	<p>Testing conditions foodstuff sample preparation for analysis by mass spectrometry with inductively coupled plasma</p> <p>M.V. Volkova, A.V. Nedoshitova Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.7	<p>Fuel and energy enterprises as sources of potential risk of harm to public health</p> <p>A.M. Andrishunas Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.8	<p>The role of the dust factor in the structure of occupational diseases</p> <p>V.V. Kolyuka FBSI "Federal Scientific Center for Hygiene named after F.F. Erismana ", Mytishchi</p>
10.9	<p>Features of bioaccumulation and toxic effect of copper (II) oxide nanoparticles during a single inhalation exposure of rats</p> <p>M.S. Stepankov Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.10	<p>Study of the influence of the eating pattern of day and shift workers on the development of obesity</p> <p>E.F. Chernikova, V.A. Skvortsova, I.A. Potapova, S.M. Lavrent'ev, V.P. Telyupina, M.A. Gryaznova FBSI "Nizhny Novgorod Research Institute of Hygiene and Occupational Pathology" Rospotrebnadzor, Nizhny Novgorod</p>
10.11	The activity of antioxidant enzymes in human blood during

	<p>geomagnetic changes <i>A.M. Irkaeva</i> FBSI "Nizhny Novgorod Research Institute of Hygiene and Occupational Pathology" Rospotrebnadzor, Nizhny Novgorod</p>
10.12	<p>Long-term dynamics of the number of victims of tick bites on the territory of the Sverdlovsk region: analysis and forecast <i>V.A. Mishchenko, I.V. Vyalyh</i> Yekaterinburg Research Institute of Viral infections - branch of the Federal State Budgetary Scientific Institution "State Scientific Center Virology and biotechnology "Vector" "Rospotrebnadzor, Yekaterinburg</p>
10.13	<p>The immune status of preschool children in the conditions of excessive contamination of biological media cyclic hydrocarbons and heavy metals <i>N.A. Nikonoshina</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.14	<p>The prevalence of a decrease in bone mineral density among students of general education schools <i>A.A. Shcherbakov, Ph.D. I.E. Shtina</i> Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.15	<p>Hygienic Assessment of Occupational Health Risks of Ambulance Station Medical Workers in the Context of the COVID-19 Pandemic <i>T.A. Bolobonkina, A.A. Dementyev, N.V. Minaeva</i> Ryazan State Medical University named after Academician I.P. Pavlova "Ministry of Health of the Russian Federation, Ryazan</p>
10.16	<p>Analysis of the regional incidence of musculoskeletal system in children (0-14 years), taking into account the conducted procurement Student Furniture <i>V.A. Sukhov</i> FBSI "Federal Scientific Center for Hygiene named after F.F. Erismana ", Mytishchi</p>
10.17	<p>Assessment of the reduction in the projected life expectancy of the population of the regions of the Russian Federation based on evolutionary approaches <i>D.R. Khimsmatullin, V.M. Chigvintsev</i></p>

	FBSI "Federal Scientific Center for Medical and Preventive Technologies for Managing Public Health Risks" of Rospotrebnadzor, Perm
10.18	Risk assessment for operators when using glyphosate-based formulations in agricultural conditions <i>D.I. Miroshnikova</i> FBTSN "Federal Scientific Center of Hygiene named after F.F. Erismana ", Mytishchi
10.19	Assessment of the risk of coronavirus infection among dental professionals based on sanitary and hygienic criteria <i>E.V. Belova</i> FGAOU VO "First Moscow State Medical University named after I.M. Sechenov "Ministry of Health of the Russian Federation, Moscow
10.20	Indicator figures of negative effects in the adult population, as a result of excessive contamination of biological media with arsenic (by the example of the South of Siberia) <i>A.A. Obratsova</i> ¹ Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia ² FSBEI HE "Perm State National Research University", Perm
10.21	Analysis of occupational morbidity in the Republic of Buryatia <i>O. A. Molchanova</i> ¹ FSBSI "East Siberian Institute of Medical and Environmental Research", Angarsk ² Rospotrebnadzor Republic of Buryatia, Ulan-Ude
10.22	Simultaneous determination of preservatives: natamycin, sorbic, benzoic acid in cheese by high performance liquid chromatography <i>E.V. Andrievskaya</i> RUE "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus
10.23	Biochemical status of male albino rats after repeated administration of diisodecyl phthalate <i>L.G. Lappo, V.A. Grynchak</i> RUE "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus
10.24	Study of international experience in the determination of toxic compounds in exhaled air for the diagnosis of diseases <i>D.Yu. Subbotina</i> Federal Budgetary Scientific Institution "Federal Scientific Center for

	Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia
10.25	<p>Analysis of the health status of workers exposed to substances with an allergenic effect <i>O.Yu. Gorbushina, E.M. Vlasov, V.B. Alekseev</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.26	<p>Features of the life of students of medical pre-university <i>O.V. Tikashkina, A. Yu. Makarova</i></p> <p>¹ FBSI "Federal Scientific Center for Hygiene named after F.F. Erisman "Rospotrebnadzor, Mytishchi ² FGAOU VO "First Moscow State Medical University named after I.M. Sechenov "Ministry of Health of the Russian Federation, Moscow</p>
10.27	<p>Justification of standards for the content of chemicals in the atmospheric air with chronic intake using harmonized methodological approaches <i>A.A. Khasanova</i></p> <p>Federal Budgetary Scientific Institution "Federal Scientific Center for Medical and Preventive Health Risk Management Technologies" of Federal Service for Surveillance on Customers Rights Protection and Human Wellbeing, Perm, Russia</p>
10.28	<p>Arsenic in drinking water as an individual health risk factor <i>K.A. Savina</i></p> <p>Saratov MSC of Hygiene Federal Scientific Center for Medical and Preventive Technologies for Managing Public Health Risks, Rospotrebnadzor, Saratov</p>
10.29	<p>Malignant neoplasms in the Sverdlovsk region as a priority problem of risk management <i>D.G. Tutaeva, N.I. Kochneva, E.P. Kadnikova</i></p> <p>¹ Rospotrebnadzor Administration for the Sverdlovsk Region, Yekaterinburg ² FBUZ "Center for Hygiene and Epidemiology in the Sverdlovsk Region", Yekaterinburg</p>
10.30	<p>Assessment of inhalation exposure to polyaromatic hydrocarbons of the adult population of the Minsk city <i>N.A. Dolgina, A.N. Gankin, E.V. Drozdova</i></p> <p>RUE "Scientific and Practical Center for Hygiene", Minsk, Republic of Belarus</p>

<p>10.31</p>	<p>Assessment of noise exposure in the workplace industry <i>S.V. Martin, A.A. Fedoruk, I.N. Kudryashov, M.A. Ivaschenko, T.T. Tazhigulov</i> FBSI "Yekaterinburg MSC for the prevention and protection of the health of workers at industrial enterprises" Rospotrebnadzor, Yekaterinburg</p>
<p>10.32</p>	<p>Approaches to the formation of groups of occupational carcinogenic risk among workers in copper pyrometallurgy <i>N.V. Zlygosteva</i> FBSI "Yekaterinburg MSC for the prevention and protection of the health of workers at industrial enterprises" Rospotrebnadzor, Yekaterinburg</p>