

EKATERINBURG

FEBRUARY 11-12, 2021

Host: Irina Tuzankina

Venue: Life-Webinar

Main Topic: International forum «Immunology 2021», dedicated to the 35th anniversary of our Service of Clinical immunology in the Ural



ПРАВИТЕЛЬСТВО
СВЕРДЛОВСКОЙ
ОБЛАСТИ



МИНИСТЕРСТВО
ИНВЕСТИЦИЙ И
РАЗВИТИЯ



АГЕНТСТВО
ПО ПРИВЛЕЧЕНИЮ
ИНВЕСТИЦИЙ
Свердловской области



CONFERENCE PROGRAM

International forum "Immunology 2021"

I Plenary Session 11.02.2021 10.00 - 19.00 (GMT+5)

9.30-10.30 - Conference opening

Chereshnev Valery Aleksandrovich, Ekaterinburg

Chadova Elena Anatolyevna, Ekaterinburg

Olga Petrovna Kovtun, Ekaterinburg

Solovieva Olga Eduardovna, Ekaterinburg

Kiselev Arkady Yuryevich, Ekaterinburg

Video presentation with participation of **Timur Bekmambetov**, founder of the Sunflower Charitable Foundation for Children and Adults with Immunity Disorders, Moscow

Laszlo Marodi, Budapest, Hungary

Jean-Laurent Casanova, New York, USA; Paris, France

Martine Pergent, Paris, France

Aripova Tamara Uktamovna, Tashkent, Uzbekistan.

Nifadiev Vladimir Ivanovich, Bishkek, Kyrgyzstan

Orozbekova Bubusaira Tolobaevna, Bishkek, Kyrgyzstan.

Uzakbaev Kamchybek Askarbekovich, Bishkek, Kyrgyzstan

Snemshchikova Irina Anatolyevna, Orel

Vakhlova Irina Veniaminovna, Ekaterinburg

Averyanov Oleg Yurievich, Ekaterinburg



L-R: O Averyanov, I Tuzankina, E Chadova, A Prodeus, O Kovtun, O Solovieva, A Kiselev

Presentations

10.30-11.00. Chereshnev Valery Aleksandrovich: Problems of medicine of the XXI Century

11.00-11.30. Rumyantsev Alexander Grigorievich: Neonatal window as a basis for the development of the immune response

11.30-12.00. Tuzankina Irina Aleksandrovna: Inborn immunity errors in children of the Sverdlovsk Region: Service history

Break – 12.00-12.30

12.30-12.50. Belevtsev Mikhail Vladimirovich: Omix technologies as the basis for the diagnosis of primary immunodeficiencies

12.50-13.05 Sharapova Svetlana: Hematological manifestations of primary immunodeficiency in children

13.05-13.15 Ismail Reisli: PID in Konya, Turkey

13.15-13.35 Aripova Tamara Uktamovna: The role of inflammation markers in the development and progression of metabolic syndrome

13.35-13.50 Nabieva Umida Pulatjanovna: J Project in Uzbekistan

13.50-14.10 Kovzel Elena Fedorovna: Clinical and epidemiological features of primary immunodeficiencies in the Republic of Kazakhstan

14.10-14.40 Simbirtsev Andrey Semenovich: COVID-19 Immunopathogenesis

14.40-14.55 Nurmatov Zurdin Sharipovich, T.E. Kuchuk, Orozbekova Bubusaira Tolobaevna: Results of seroepidemiological studies of coronavirus infection COVID-19 in the Republic of Kyrgyzstan

- 14.55-15.10 Musakhodjaeva Diloram Abdullaevna, Jabbarova Yulduz Kasymovna, Yeshimbetova Gulsara Zakirovna, Dzhumaev Kamil Chorievich, Ismoilova Shoira Tolkunovna, Yuldasheva Gulchekhra Rakhimovna:** The level of some cytokines at different periods of gestation in women with COVID-19
- 15.10-15.25 Uzakbaev Kamchybek Askarbekovich:** Principles of immunomodulatory therapy for systemic connective tissue diseases and with COVID-19 in children
- 15.25-15.40 Fedoskova Tatyana Germanovna:** Immunorehabilitation of patients during a pandemic
- 15.40-16.10 Kozlov Ivan Genrikhovich:** Current problems of immunopharmacology
- 16.10-16.30 Prodeus Andrey Petrovich:** Childhood immunology in a pandemic
- 16.30-16.45 Korsunsky Ilya Anatolyevich:** How to define immunodeficiency
- 16.45-17.15 Kondratenko Irina Vadimovna:** Genotype-phenotype correlations in primary immunodeficiencies
- 17.15-17.35 Popov Artem Anatolyevich:** Clinical Immunology in Rheumatology
- 17.35-17.50 Tsarkova Sofya Anatolyevna:** Immunotropic drugs in real pediatric practice
- 17.50-18.05 Sarkisyan Narine Grishaevna - MD, DSc, Associate Professor, Department of Dentistry, Ural State Medical University, Ekaterinburg - “Immunoregulation of reparative processes in the oral mucosa” - 15 minutes.**
- 18.05-18.15 Berdyugina Olga Viktorovna:** Immunological studies in determining the activity of pulmonary tuberculum
- 18.15-18.45 Tuzankina Irina Aleksandrovna:** Possibilities of medical preparations
- 18.45-19.00 Discussion**



L Voronina, I Tuzankina, A Vinogradov, N Berseneva

II Plenary Session 12.02.2021 10.00 - 18.00 (GMT+5)

Moderators: Valery Chereshnev, Elena A. Chadova, Oleg Yuryevich Averyanov, Irina A. Tuzankina

10.00-10.30 Vlasova Elena Viktorovna: Provision of specialized immunological medical care in the Sverdlovsk region - the value of the register of primary immunodeficiencies for the diagnostic and treatment process

10.30-10.45 Beltyukov Evgeniy Kronidovich: Organization of specialized medical care for patients with hereditary angioedema in the Sverdlovsk region

10.45-11.15 Pashnina Irina Aleksandrovna: Laboratory methods for the diagnosis of immune-dependent pathology in the Sverdlovsk region

11.15-11.35 Krivolapova Irina Mikhailovna: Laboratory methods for the diagnosis of autoimmune pathology

11.35-11.50 Sharapova Svetlana: Immunodeficiencies in Slavic Children

11.50-12.15 Deryabina Svetlana Stepanovna: Present and future of molecular genetic diagnostics of hereditary immunopathology in the Sverdlovsk region

12.35-13.00 Bolkov Mikhail Artemovich: Congenital errors of immunity without signs of immunodeficiency

13.30-13.15 Sannikova Oksana Yurievna: Immunological and genetic aspects of changes in the mineral composition of bones

Break 13.15-13.40

13.40-13.50 Shcherbina Anna Yurievna: Welcome speech

13.50-14.05 Mukhina Anna Aleksandrovna: PID Epidemiology in the Russian Federation

14.05-14.25 Natalya Borisovna Kuzmenko: PID Diagnostic Algorithm

14.25-14.45 Rodina Yulia Aleksandrovna: SCID - Diagnostic News

14.45-15. 50 Kozlova Anna Leonidovna: Variety of autoinflammatory diseases

15.05-15.20 Discussion

15.20-15.30 Plotnikova Maria Olegovna, Snemshchikova Irina Anatolyevna, Afonina Irina Aleksandrovna: Assessment of indicators of morphogenic proteins of the WNT signaling pathway in patients with coronary heart disease

15.30-15.45 Ipatova Maria Georgievna: When Nutrition Becomes Treatment in the Practice of a Pediatrician

15.45-16.00 Lepeshkova Tatyana Sergeevna: The effectiveness of sublingual immunotherapy with birch pollen allergen for cross-reactive food allergy in children

16.00-16.15 Bass Evgeniya Aronovna: Molecular basis of allergy pathology in children

16.15-16.25 Cheremokhin Dmitry Andreevich: Molecular genetic and phenotypic manifestations of primary immunodeficiencies with congenital heart defects

16.25-16.35 Dolgikh Maria Andreevna: Dental pathology in patients with primary immunodeficiency

16.35-16.50 Shinwari Khyber: Bioinformatics and biotechnology - two sides of one analysis



*L-R: M Dolghikh, I Tuzankina, D Cheremokhin, N Berseneva, L Voronina, M Bolkov,
E Ivancha, I Lebedeva*

INTERREGIONAL SCIENTIFIC AND PRACTICAL CONFERENCE "PATIENT-ORIENTED APPROACH IN MEDICINE"

Moderators: Chadova Elena Anatolyevna, Voronina Lyudmila Ivanovna, Tuzankina Irina Aleksandrovna

17.00-17.05 Video presentation of the Belarusian Society of Patients with PID: "Let's Save Immunity"

17.05-17.15 Martine Pergent (IPOPI): Quality of life of patients diagnosed with PID

17.15-17.35 Alexander Runov: Longitudinal study of the quality of life of patients with PID

17.35-17.50 Voronina Lyudmila Ivanovna: Questions of administrative interaction of patients with PID, with the management bodies of medical organizations

17.50-18.00 Andrey Vadimovich Nechkin: Legal issues of patients with congenital immunity errors and patient communities



Delegates from Bishkek, Kyrgyzstan

INTERNATIONAL EVENT OF PATIENT ORGANIZATIONS

Moderators: Chadova Elena Anatolyevna, Tuzankina Irina Aleksandrovna, Berseneva Natalia Nikolaevna

- 18.00-18.15 Berseneva Natalya Nikolaevna:** Experience of organizing patients with primary immunodeficiency in Russia and issues of interaction of patient organizations with administrative bodies and society
- 18.15-18.30 Zhulev Yuri Aleksandrovich:** The Role of Patient Organizations
- 18.30-18.45 Emelin Anton Evgenievich:** The scope of the practice of applying the legislation on drug provision and the organization of treatment for patients with primary immunodeficiency
- 18.45-19.00 Ivancha Elena Viktorovna:** Correct preparation of documents for the ITU
- 19.00-19.15 Dirko Iya Leontievna:** Experience of the patient community in Belarus
- 19.15-19.30 Berseneva Natalya Nikolaevna:** Providing patients with primary immunodeficiency with medical nutrition prescribed for health reasons
- 19.30 - 20.00** Speeches by representatives of various patient communities.
- 20.00-20.20** CLOSING

Summary

On February 11 and 12, 2021, the 1st International Congress "Doctor-Patient: Immunology 2021" was held under the initiative of the Institute of Immunology and Physiology of the Ural Branch of the Russian Academy of Sciences (Ekaterinburg) and the Ministry of Health of the Sverdlovsk Region. The purposes of this congress were to call the attention of professional societies and organizations to the problems of sick people, to form an information space in the field of medicine, to promote the development of the level of medical knowledge among both medical specialists and patients, to develop and improve the interaction between medical organizations, government entities, and public organizations, to improve the quality of life of patients, to discuss the specifics of the work of medical organizations during the COVID 19 pandemic, to create a platform for discussion and search for solutions on the interaction of the medical community, patient and other public organizations with each other and with authorities.

The organizers of the Congress were as follows:

The Ministry of Health of the Sverdlovsk Region, The Investment Promotion Agency under the Government of the Sverdlovsk Region, The Federal State Budgetary Institution of Science Institute of Immunology and Physiology of the Ural Branch of the Russian Academy, The RSI - Russian Scientific Society of Immunologists, The European Society for Immunodeficiency, The J PROJECT international educational and clinical research collaboration program in primary immunodeficiencies, The International Patient Organization for Primary Immunodeficiency, The Ural State Medical University of the Ministry of Health of the Russian Federation, The All-Russian organization of patients with primary immunodeficiency, The Non-profit organization "Immune harmony" - Patient organization of patients with primary immunodeficiency of the Sverdlovsk region, and The Sunflower Charitable Foundation for Children and Adults with Immunity Disorders

Международный Конгресс «Врач-Пациент-Общество: Иммулитет 2021», 11-12 Февраля, 2021, 09-00 (UTC+5)

Integrin interactions with SARS-CoV-2 surface protein and its cellular receptor ACE2

uninfected condition

SARS-CoV-2 infection

Suppressed virus entry

Robust virus entry

SARS-CoV infection

Suppressed virus entry

Robust virus entry

проведено на платформе Webinar.ru

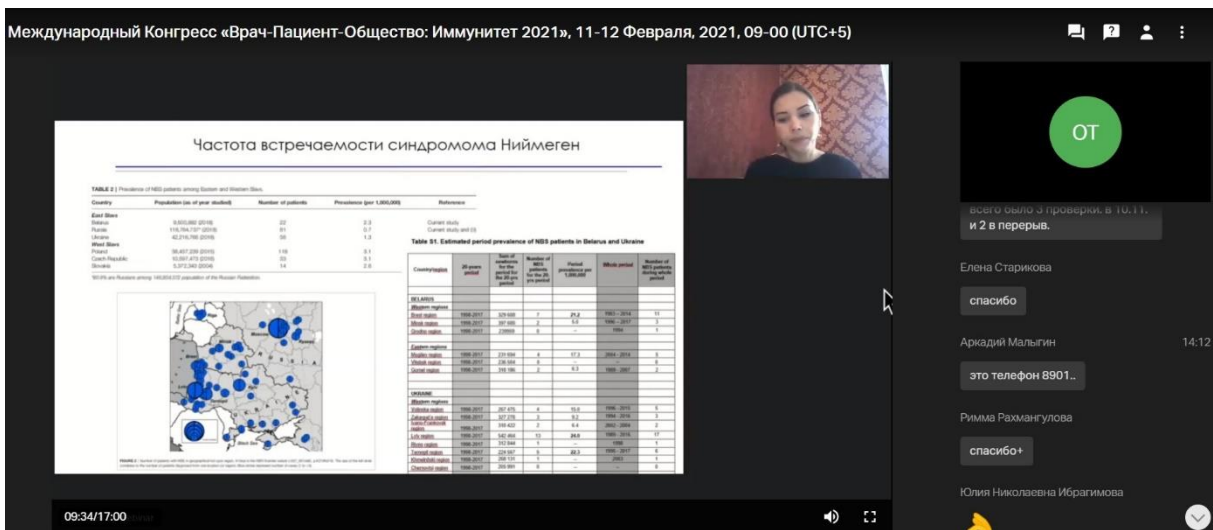
Valery Chereshev

Information support of the Congress was: websites of the Russian Scientific Society of Immunologists <https://rnoi.ru>, the Institute of Immunology and Physiology of the Ural Branch of the Russian Academy of Sciences, the Ministry of Health of the Sverdlovsk Region, the Regional Children's Clinical Hospital in Yekaterinburg. The technical provider of the event was Kamkor-Integration Group of Companies.



Umida Nabieva, Tashkent, Uzbekistan

1328 people from 12 countries registered in the International Congress. Among the participating countries were: Belarus, Hungary, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Latvia, Ukraine, France, Netherlands, Sweden, Turkey, and the USA. Congress participants represented 128 cities and regions of the Russian Federation, including Moscow, St. Petersburg, Novosibirsk, Ekaterinburg and the Sverdlovsk region, Tomsk, Omsk, Krasnoyarsk, Kemerovo, Orenburg, Vladivostok, Kazan, Ivanovo, Tyumen, Khabarovsk, Nizhny Novgorod, Ufa, Perm, Chelyabinsk and Chelyabinsk region, Rostov-on-Don, Kaliningrad, Irkutsk, Saratov, Angarsk, Berdsk, Novokuznetsk, Izhevsk, Grozny, Makhachkala.



Svetlana Sharapova

Medical workers - representatives of practical health care who took part in the Congress both as speakers and and listeners (more than 1220 people), received certificates of professional development. **Representatives of public organizations** became active participants in the Congress, sharing their experience of their work. Among them are representatives of patient organizations: the International Organization of Patients with Primary Immunodeficiency (IPOPI), the Patient Organization of Patients with Primary Immunodeficiency in the Sverdlovsk Region ("Immune Harmony"), the All-Russian Union of Public Associations of Patients, the All-Russian Organization of Patients with Primary Immunodeficiency (OPPID), the All-Russian Society hemophilia, the Belarusian Society of Patients with Primary Immunodeficiencies, "Let's

Save Immunity", charitable foundations (the Sunflower Charitable Foundation for Children and Adults with Immunity Disorders), a video greeting was presented with the participation of Timur Bekmambetov, co-founder of this Charitable Foundation for helping children and adults with Immunity disorders "Sunflower".

The Congress was attended by Russian leading experts in the field of medicine from Yekaterinburg, Moscow, St. Petersburg, Orel and other cities of the Russian Federation, as well as foreign experts from Belarus (Minsk, Vitebsk), Uzbekistan (Tashkent, Samarkand, Bukhara), Kyrgyzstan (Bishkek, Osh), Kazakhstan (Nur-Sultan, Astana) France (Paris), Hungary-USA (Budapest-New York), Turkey (Konya), Kenya, Ukraine (Odessa, Kiev, Ternopil, Lugansk), Tajikistan, the Netherlands, Sweden, Iran.

Foreign and leading Russian scientists, doctors greeted the participants of the congress online, among them:

- **Jean-Laurent Casanova**, Head of the St. Giles Laboratory of Genetics of Human Infectious Diseases, Rockefeller University, New York, USA – France

Международный Конгресс «Врач-Пациент-Общество: Иммуитет 2021», 11-12 Февраля, 2021, 09-00 (UTC+5)



02:52/10:27 Laurent Casanova 2020-11-04 11:15:25

Доброе утро. Хорошо видно и слышно.

Olga V. Verdyugina

Доброе утро! Можно ли видео укрупнить?

Михаил Болков

Валерий Александрович Вам слово 11 сообщений

- **Laszlo Marodi**, Head of the J Project, Semmelweis University, Budapest

Международный Конгресс «Врач-Пациент-Общество: Иммуитет 2021», 11-12 Февраля, 2021, 09-00 (UTC+5)

Greetings from *László Maródi*

Dear Colleagues and friends!
Dear Professor Tuzankina!

It gives me great pleasure to send my warmest regards to doctors, scientists and patients on occasion of the celebration of **35 years of Clinical Immunology Service at the Regional Children's Hospital in Ekaterinburg**. Immunology is a relatively new discipline in sciences and even younger in the field of clinical medicine. The rapid development in this field helped to understand better the mechanisms of autoimmune and allergic diseases and recently, primary immunodeficiencies (PIDs) also referred to as inborn errors of immunity. The development of PIDs parallels with the development of genetics. Not surprisingly, the genetic cause of the vast majority of PIDs, closing to 500, has been defined.



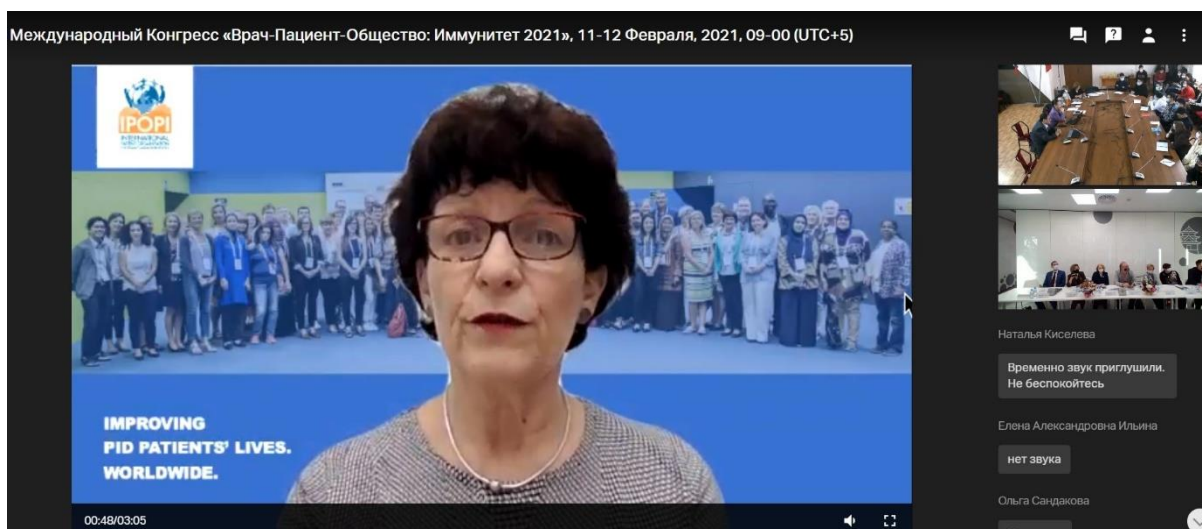
Prof. László Maródi, MD

The first PID genes were recognized in the eighties-nineties just in the time when you and your colleagues established **Clinical Immunology Service in Ekaterinburg**. We can therefore say that clinical immunologists and scientists at the **Regional Children's Hospital** understood well the direction of the development of clinical sciences.

Проведено на платформе Webinar.ru



- **Martine Pergent**, President of IPOPI, Paris, France



- **Aripova Tamara Uktamovna**, Academician of UzAN
- **Nifadiev Vladimir Ivanovich**, Rector of the Kyrgyz-Russian Slavic University, Bishkek, Kyrgyzstan.
- **Bubusaira Orozbekova**, Head of the Department of Epidemiology and Immunology, Kyrgyz-Russian Slavic University, Bishkek, Kyrgyzstan
- **Uzakbaev Kamchybek Askarbekovich**, President of the Federation of Pediatricians of Central Asian Countries, Bishkek, Kyrgyzstan

Within the framework of the International Congress, 43 reports of leading Russian and foreign scientists were presented.

Within the framework of the plenary sessions, reports were made on the problems of medicine in the XXI century, the current level of knowledge on the problems of immunology - the regulator of life, which forms the basis for the formation of various human pathologies, the history of the development of clinical immunology in the world, in Russia and in the Sverdlovsk region, the prospects for the development of science and practice, the role of immune mechanisms in ensuring health and in the formation of pathology, technologies of diagnosis, treatment and rehabilitation, as well as the possibility of immunotropic interventions in real pediatric practice and other fields of medicine are discussed. Reports were made on laboratory methods for the diagnosis of immune-dependent and autoimmune pathology, the organization of specialized medical care for patients with congenital errors of immunity and other immune-dependent pathologies in the Sverdlovsk region, on the present and future of molecular genetic diagnostics of hereditary immunopathology, congenital errors of immunity, algorithms for diagnosing diseases associated with congenital errors of immunity, etc. The issues of pathogenesis, diagnosis, treatment and rehabilitation of the newly emerged infection COVID-19, complex diagnostic issues and vaccination opportunities were actively discussed, experience of work in various regions of the world was presented. It was decided to make this congress regular, declare Ekaterinburg as the venue for the next forums, develop a logo for the event, and consolidate the name **“Doctor-patient-society: Immunity of the XXI century”**.

*Irina Tuzankina
Mikhail Bolkov*