



# COVID-19 LOOKING BACK

Bratislava 23-24.6.2023

Friday 23.6.2023

**14:00 Conference Opening**

**14:10 Lectures 1**

**1. COVID-19 lessons from the pandemic**

Michal Palkovic

**2. On the role of Mucin-1 in SARS-Cov2 infection, COVID-19 progression and treatment**

Stanislav Kmoch, Anthony J. Bleyer

**3. Monitoring of immunological parameters in covid-19 patients.**

Elena Tibenská, Kinga Szabóová

**4. Longitudinal analysis of antibody dynamics after vaccination against SARS-CoV-2**

Miková Emília, Tibenská Elena

**5. Long-term changes of cytokine profile in patients with COVID-19**

Michaela Krivosova, Matus Dohal, Juliana Hanusrichterova, Anna Bobcakova, Peter Liptak, Robert Rosolanka, Peter Banovcin, Dana Dvorska, Dusan Brany, Juraj Mokry, Zuzana Dankova, Erika Halasova

**15:35 Break**

**15:50 Lectures 2**

**6. Potential of circulating plasma markers for the diagnosis of COVID-19**

Diana Rusňáková, Tatiana Sedláčková, Werner Krampfl, Jaroslav Budiš, Július Hodosy, Tomáš Szemes

**7. Seroprevalence study of SARS-CoV-2 specific antibodies in Slovakia**

Fulová Miriam, Kotrbancová Martina, Perželová Jana, Doležalová Kristína, Nováková Dorota, Bražinová Alexandra

**8. Looking back at the COVID-19 pandemic from the perspective of specific antibody levels.**

Zofia Radikova, Ivana Kajanova, Katarina Grossmannova, Lenka Jelenska, Lubomira Lukacikova, Jana Nahlikova, Martina Belisova, Silvia Pastorekova, Juraj Kopacek

**9. Possibilities of SARS-Cov-2 genome assembly and transcriptomic analysis of COVID-19 clinical samples**

Dominik Hadzega, Klaudia Babisova, Michaela Hyblova, Peter Sabaka, Pavol Janega, Gabriel Minarik

**10. Trends in SARS-CoV-2 cycle threshold values in the Czech Republic from April 2020 to April 2022**

Dita Musalkova, Lenka Piherova, Ondrej Kwasny, Zuzana Dindova, Lubor Stancik, Hana Hartmannova, Otomar Slama, Petra Peckova, Josef Pargac, Gabriel Minarik, Tomas Zima, Anthony J Bleyer, Martin Radina, Michal Pohludka, Stanislav Kmoch

**11. Extracellular mitochondria contribute to neutrophil extracellular traps formation during SARS-CoV-2 infection**

Michal Pastorek, Monika Sláviková, Boris Klempa, Peter Celec

**17:20 Break**

**17:35 Lectures 3**

**12. Summary of results and pandemic trends of SARS-CoV-2 detection in the Slovak population**

Nikola Janoštiaková, Andrej Gnip, Dominik Kodada, Gabriela Bľandová, Emília Miková, Elena Tibenská, Vanda Repiská, Gabriel Minárik

**13. Detection of SARS-CoV-2 in the saliva samples using loop-mediated isothermal amplification**

Monika Janíková, Nadja Ivašková, Július Hodosy, Boris Klempa, Peter Celec

**14. The national wastewater surveillance program: a useful method for regular monitoring of circulating SARS-CoV-2 variants**

Peter Radvák, Diana Rusňáková, Tatiana Sedláčková, Tomáš Sládeček, Jozef Sitarčík, Miroslav Böhmer, Jaroslav Budiš, Edita Staroňová, Barbora Kotvasová, Ján Turňa, Tomáš Szemes

**15. RT-qPCR, fast-RT-QPCR and droplet digital PCR methods for the detection of the SARS-CoV-2 virus from saliva, nasopharyngeal and oropharyngeal swabs and wastewater.**

Tatiana Burjanivova, Eva Lukacova, Vincent Lucansky, Marek Samec, Petar Podlesniy, Zuzana Kolkova, Lenka Reizigova, Marian Grendar, Eva Turyova, Veronika Holubekova, Bibiana Malicherova, Vladimir Nosal, Ivana Kasubova, Robert Dusenka, Denisa Osinova,

**16. The impact of COVID-19 pandemic on mental health of Slovak families with typically developing children or children with autism spectrum disorder**

Katarína Polónyiová, Katarína Janšáková, Barbara Rašková, Mária Vidošovičová, Petra Keményová, Daniela Ostatníková

**19:00 Lectures Completion**



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Saturday 24.6.2023

9:00 Lectures 4

**17. Collection of clinical data and samples of patient with COVID-19 in MGA biobank for use in basic and applied research**

Petra Hirjaková, Marianna Jagelková, Gabriel Minárik

**18. Metatranscriptome analysis of nasopharyngeal swabs from patients with COVID-19 disease**

Babišová Klaudia, Hadžega Dominik, Janoštiaková Nikola, Jackuliak Peter, Sabaka Peter, Minárik Gabriel, Hýblová Michaela

**19. Severe retroperitoneal hemorrhage in covid-19 with low-molecular-weight heparin therapeutic dose – case report**

Martin Dubovský, Marianna Hajská, Arpád Panyko, Marián Vician

**20. Effect of COVID-19 pandemic on surgical treatment in general surgical department**

Marianna Hajská, Martin Dubovský, Arpád Panyko, Marián Vician

**21. Genomic surveillance of SARS-CoV-2 in the Slovak Republic: reconstruction of two years' experience**

Tomáš Szemes, Diana Rusňáková, Peter Radvák, Pavol Mišenko, Tomáš Sládeček, Jozef Sitarčík, Miroslav Böhmer, Jaroslav Budiš, Werner Krampfl, Michaela Gažiová, Silvia Bokorová, Nikola Lipková, Michaela Forgáčová-Jakúbková, Edita Staroňová, Ján Mikas, Dušan Loderer, Elena Nováková, Ján Turňa, Tatiana Sedláčková

**22. Antimicrobial therapy as a risk factor of multidrug-resistant Acinetobacter superinfection in COVID-19 patients**

Peter Mihalov, Alena Koščálová, Július Hodosy, Martin Čaprnda, Mária Kachlíková, Ján Jurenka, Peter Sabaka

**23. Epidemiology and characteristics of headache associated with COVID-19 in hospitalized patients in Slovakia**

Oľga Durániková, Simona Horváthová, Peter Sabaka, Peter Valkovič

10:45 Break

11:00 Lectures 5

**24. Serum 25-hydroxyvitamin D concentration significantly decreases in patients with COVID-19 pneumonia during the first 48 hours after hospital admission**

Juraj Smaha, Martin Kužma, Peter Jackuliak, Samuel Nachtmann, Filip Max, Elena Tibenská, Neil Binkley, Juraj Payer

**25. Patients with COVID-19 pneumonia who have a serum 25(OH)D concentration < 12 ng/mL have a higher risk of death**

Juraj Smaha, Martin Kužma, Kristína Brázdilová, Samuel Nachtmann, Martin Jankovský, Katarína Pastírová, Andrea Gažová, Peter Jackuliak, Zdenko Killinger, Ján Kyselovič, Tomáš Koller, Neil Binkley, Juraj Payer

**26. Prevalence of vitamin D deficiency in hospitalized patients with COVID-19 in the Slovak Republic significantly decreased during the duration of the pandemic in 2020-2022**

Juraj Smaha, Peter Jackuliak, Martin Kužma, Filip Max, Neil Binkley, Juraj Payer

**27. Automation of SARS-CoV-2 testing in Slovak and Czech Republic**

Dominik Kodada, Gabriel Minárik, Zuzana Dindová, Ondřej Kwašný

**28. The polygenic risk score and its use in estimating risk of diabetes mellitus and COVID-19**

Patrik Krumpolec, Klaudia Babišová, Michaela Hýblová, Gabriel Minárik

**29. Importance of mitochondrial energy production and endogenous coenzyme Q10 for patients with post-COVID-19**

Anna Gvozdjaková, Jarmila Kucharská, Zuzana Rausová, Barbora Bartolčíčová, Patrik Palacka, Zuzana Sumbalová

13:00 Conference Completion