

Prof. Hrvoje Jurić, MS, PhD

### **National Caries Prevention Program - is it worth it?**

The National Caries Prevention Program aims to reduce the prevalence of dental caries, especially among children, through organized preventive measures such as fluoride use, oral health education, dietary counseling, and regular dental screenings. Moreover, prevention programs are generally more cost-effective than restorative treatments. **In conclusion**, a National Caries Prevention Program is worthwhile, provided it is well-planned, evidence-based, and supported by strong public health policies and community engagement.

### **CV**

Hrvoje Jurić was born on April 28, 1971, in Vinkovci, where he completed his primary and secondary education. He enrolled at the School of Dental Medicine, University of Zagreb, in the academic year 1990/91 and graduated in July 1995. He defended his master's thesis in 1999 and his doctoral dissertation in 2002. In 2018, he was appointed Full Professor with tenure. To date, he has published more than 100 scientific papers and is the author or co-author of 13 university textbooks. For over 20 years, he has participated in continuing education for doctors of dental medicine, delivering more than 250 lectures and hands-on courses. He is a member of numerous national and international professional associations and societies, including the Croatian Dental Chamber, Croatian Dental Society of the Croatian Medical Association, Croatian Society of Paediatric and Preventive Dentistry of the Croatian Medical Association, Croatian Endodontic Society, European Academy of Paediatric Dentistry, European Society of Endodontics, International Association of Dental Traumatology, International Association of Paediatric Dentistry, and the Organisation for Caries Research. Since 2015, he has served as President of the Croatian Dental Society and as Secretary of the Croatian Society of Paediatric and Preventive Dentistry of the Croatian Medical Association. He has been Head of the Department of Paediatric and Preventive Dentistry at the School of Dental Medicine, University of Zagreb, since 2014. Since 2024, he has held the position of Vice-Dean for Integrated Studies and Students. His main fields of interest include caries prevention, chemical and mechanical plaque control, oral microbiology, endodontic procedures in primary and young permanent teeth, dental traumatology, and aesthetic reconstructive procedures.



Assoc. prof. Anna Turska-Szybka

### **Treatment Approaches to Molar Incisor Hypomineralization.**

Molar incisor hypomineralization (MIH) constitutes an oral health challenge affecting numerous individuals globally. It is a developmental disorder manifested through various dental enamel anomalies, predominantly in the first permanent molars, but it can also affect the permanent incisors. This presentation will summarize the available treatments for MIH, to provide a clear and up-to-date overview and discuss the most appropriate therapeutic approach, considering both treatment efficacy and the patient's experience.

### **CV**

Anna Turska-Szybka is a specialist in general dentistry and paediatric dentistry. She serves as an associate professor and senior lecturer at the Department of Paediatric Dentistry at the Medical University of Warsaw. She obtained her PhD degree from the Medical University of Warsaw (WUM) in Warsaw, Poland. Her doctoral dissertation was titled "Clinical and laboratory evaluation of resin infiltration of carious lesions on smooth surfaces of primary teeth" and subsequently earned postdoctoral degree from the Medical University of Warsaw. She holds the position of Regional Consultant in Paediatric Dentistry. She is also the Editor-in-Chief of the New Dentistry Journal, a member of the Board of the Polish Society of Paediatric Dentistry (PTSD), member of the International Association of Paediatric Dentistry (IAPD), the Polish Dental Association (PTS). She also serves as a member of the State Examination Board at the Medical Examination Center (CEM) and the Chair of the Program Council for Dental, Behavioral, and Legal-Organizational Sciences at the Faculty of Medicine and Dentistry of the Medical University of Warsaw. She actively participates in numerous scientific and educational conferences, congresses, and symposia at both national and international levels, where she delivers oral presentations and presents poster sessions. She is the author and co-author of publications in national and international scientific journals and contributed as an author to book chapters and academic textbooks.



Dr. Dora Zsofia Nagy

### **Dental Caries in Patients with Special Health Care Needs.**

Patients with special health care needs (SHCN) constitute a growing and heterogeneous population experiencing substantial inequalities in oral health and access to dental care. Epidemiological evidence consistently demonstrates a higher caries burden and greater unmet treatment needs in SHCN compared with the general population. This lecture will summarize current knowledge on caries epidemiology and risk determinants in SHCN and discuss preventive and clinical care considerations within a caries-focused framework.

### **CV**

Dr Dora Zsofia Nagy qualified as a Doctor of Dental Medicine in 2014 at the Semmelweis University, Faculty of Dentistry, Budapest, Hungary. During her undergraduate studies, she completed part of her training at Ludwig Maximilian University of Munich.

Since obtaining her degree, she has been working at the Department of Paediatric Dentistry and Orthodontics of Semmelweis University, where she is engaged in both paediatric dentistry and orthodontics. In addition to her clinical and research activities, she is actively involved in undergraduate and postgraduate teaching in Hungarian, English and German.

Her principal research interests focus on preventive dentistry, early childhood caries, caries risk assessment and molar–incisor hypomineralisation (MIH). As a co-author, she contributed to the chapter entitled “Modern Caries Diagnostics” in the Hungarian university textbook *Paediatric and Adolescent Dentistry*, published in 2023. She is a regular participant and invited speaker at national and international conferences and continuing professional development courses in paediatric dentistry and orthodontics.

Dr Nagy holds advanced certified proficiency in English (Cambridge Proficiency, C2) and German (ECL, C1).



Prof. Romana Koberová, M.D., Ph.D.

**Recent view on fluorides in caries prevention.**

Caries incidence and prevalence have decreased significantly over the last few decades due to widespread use of fluoride. However, an increase in the prevalence of dental fluorosis has been reported in both fluoridated and non-fluoridated communities. Care must be taken to ensure that a balance between the optimal fluoride preventive effect at the individual and community level and minimal risk of dental fluorosis is maintained. This presentation describes the main sources of fluoride intake that have been identified: fluoridated drinking water, dietary fluoride supplement, and topical forms comprising toothpastes, rinses, gels and varnishes. Efficiency, but safety, of topically applied fluorides in individual home care is dependent on the degree of compliance of individuals/parents and on the level of competence of providers of preventive counselling. The broad spectrum of these resources allows individualization of fluoride prevention based on risk analysis of caries attack and taking into consideration other preventive measures.

Prof. Romana Koberová, M.D., Ph.D., graduated from the Faculty of Medicine in Hradec Králové, Charles University, in 1988. She holds board certifications in Dentistry (1991), Paediatric Dentistry (1996), and Clinical Dentistry (2013). She was appointed Associate Professor in 2011 and Professor of Dentistry in 2022. Since 1992, she has served as the Head of the Paediatric Department at the Department of Dentistry, Faculty of Medicine in Hradec Králové, and the University Hospital Hradec Králové. At the same institution, she also holds the position of Deputy Head for Education and Research. Her research and clinical work focus on the prevention of dental caries in children, specifically primary dentition care and the management of paediatric patients with chronic systemic diseases or special needs.

She is the author or co-author of 7 monographs, numerous specialized publications in Czech and international journals, and countless professional presentations. She spent several months as a visiting scholar at universities in the Netherlands and the USA. Prof. Koberová is an active member of several professional societies in the Czech Republic and abroad, as well as various editorial boards. She has dedicated her entire professional career to paediatric dentistry and the education of medical professionals in this field. In her free time, she enjoys sports, mountains and her three little pets.



Cristian Funieru

## ORAL HEALTH AMONG CHILDREN IN BUCHAREST, ROMANIA: A VISION FOR CARIES PREVENTION

The oral health status in Romania was analyzed in many studies developed in cities, rural areas or at the national level. The goal of this conference is to describe the road of analyzing the oral health status in schoolchildren in Romania, which for me started in Bucharest by collecting data about caries, gingivitis, teeth eruption and oral hygiene profile (PAROGIM study). After we understood the background of the profile, including risk factors for dental caries such as dental plaque, oral hygiene, diet, lack of fluoride intakes, social aspect, education, we decided to move forward and develop a national survey.

**Prof. Dr. Habil. Cristian Funieru, DMD, PhD**, is the Head of Preventive Dentistry Division and Vice-Dean with the Development of Information Infrastructure, Digitalization and Innovative Technologies in the Faculty of Dentistry of “Carol Davila” University of Medicine and Pharmacy, Bucharest, Romania. Dr. Funieru graduated from the same university (“Carol Davila”) in 2002 and now is primary dentist (general dentistry), specialist in Dento-alveolar surgery and has a Masters diploma in Project Management. His clinical and scientific work is focused on diagnosis and prevention of dental caries and periodontal diseases. He is the author of two editions of ICDAS II Guide in Romanian language and the coordinator of Romanian Fluoride Guide. Dr. Funieru is the author/co-author of 26 ISI papers visible in Web of Science, 8 monographs, 2 chapters in 2 treaties (of Periodontology and Preventive Dentistry), coordinator/member in 14 European/national/private scientific projects mostly focused on dental plaque, epidemiology of dental caries and periodontal diseases in Romania, teeth eruption, oral hygiene profile of the communities, preventive strategies for people with xerostomia.

