ORCA2022
69th Congress of the European Organisation for Caries Research
Cagliari, Sardinia, Italy

June 29 - July 2

Sa Manifattura - Viale Regina Margherita, 33
Dear colleagues and attendees, my dear friends,

It is with great pleasure that I welcome you to the 69th ORCA Congress.

You have no idea what a pleasure it is for me to finally welcome you live in Cagliari!!!

After two years where we were forced, due to the pandemic, to organise online events only, finally the ORCA family can welcome their members again. My first thought goes to the gratitude of all those who over the two years have done their utmost to keep our organisation alive, and I thank again my colleagues and friends for supporting the preparation of this event.

The congress programme includes more than 120 original research presentations from over 30 countries. With a warm thank you to all the submitting authors, and to the scientific committee members Carolina Ganss (Editor in Chief) and Margherita Fontana (Vice-president of ORCA), who helped to review the contributions, I am happy and proud to present you the scientific overview of ORCA 2022.

Guglielmo Campus,

Congress Chair and Co-President of 69th ORCA Congress, Cagliari
**Wednesday 29th, June, 2022**  
“Sa Manifattura” Viale Regina Margherita, 33 Cagliari, Italia

ORCA Education Platform  
**The Core Curriculum for Cariology: Fiction or Reality? Challenges About Implementation**

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<th>TIME</th>
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| 16:00  | 10 min    | Welcome Address from the Vice- and Past-President of ORCA and opening presentation.     | • Margherita Fontana (University of Michigan, USA)  
• Christian H. Splieth (University of Greifswald, Germany) |
| 16:10  | 10 min each| The Core Curriculum for Cariology: Fiction or Reality?                                   | • Stefania Martignon (U. El Bosque, Colombia)  
• Marisa Maltz (Federal University of Rio Grande do Sul, Brazil)  
• Justine Kolker (University of Iowa, USA)  
• Nigel Pitts (King’s College London’s, UK)  
• Livia Ottolenghi (Sapienza University of Rome, Italy)  
• Irina Kuzmina (Moscow State University, Russia)  
• Krithika Datta (Saveetha Dental College, India)  
• Renata Chalas (Medical University of Lublin, Poland) |
| 17:30  | ca. 30 min | Round-table discussion with the participants.                                             | • Margherita Fontana & Christian Splieth                                                   |
| 18:25  | 5 min     | Closing of the meeting                                                                  | • Ruth Santamaria (University of Greifswald, Germany)                                      |
| 19:00  |           | Welcome Cocktail - venue: Sa Manifattura                                                 |                                                                                             |
**Thursday, 30th June, 2022**

“Sa Manifattura” Viale Regina Margherita, 33, Cagliari, Italia

9:00 Opening Ceremony
10:00 Prize winner lecture

Keynote Speaker **Prof. Annika Frahsa (University of Bern, Switzerland)**
“Participatory approaches in Health promotion programs”

11:00 Coffee break

**POSTER SESSION 1:** Nathan Cochrane Junior Scientist Award
Chair Fontana Margherita, Klaus Neuhaus, Juan Sebastian Lara

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<th>Time</th>
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| 12:00 | Investigating the bioactive properties of a fluoride containing bioactive glass composite for preventing secondary caries | Tiskaya Melissa, Hill Robert, Shahid Saroash  
Dental Physical Sciences Unit, Institute of Dentistry, Queen Mary University of London, London, United Kingdom |
| 12:15 | The effect of considering marginal defects in the diagnosis of secondary caries – the CaCIA Randomized Controlled Trial Clinical studies | Romero VHD, Signori C, Uehara JLS, Mendes FM, Cenci MS  
Department of Pediatric Dentistry and Orthodontics, School of Dentistry, University of São Paulo, São Paulo, SP, Brazil. |
| 12:30 | Development of a novel and newly designed pH cycling model to study caries in vitro | Khan Z. S., Abibl M. Komarow, G. Burnside G., Cooper L., Flannignan N. L.  
Orthodontic Department, School of Dentistry, University of Liverpool, Liverpool, England, United Kingdom |
| 12:45 | Comparison of Clinical and Digital Assessment of Erosive- abrasive Tooth Wear | Al-Seelawi Zahra, Benetti Ana Raquel, Baram Sara, Bakke Merete, Sonneseen Liselotte, Hermann Nuno Vibe  
Department of Odontology, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark |

**POSTER SESSION 2:** Clinical Studies 1
Chair Martignon Stefania and Balian Araxi

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| 12:00 | TiF4 varnish in the prevention and remineralization of white spot lesions during orthodontic treatment | Mascarenhas Moraes Samanta, Ayumi Kashino Larissa, de Souza Carvalho Thamyris, Martines de Souz, Beatriz, Marques Honório Heitor, Gamba Garib Daniela, Magalhães Ana Carolina Alfonso Rabelo, Buzalaf Carolina  
Department of Biological Sciences, Bauru School of Dentistry - University of São Paulo, Bauru, Brazil; Department of Pediatric Dentistry, Orthodontics and Public Health Department of Pediatric Dentistry, Orthodontics and Public Health Department of Biomedical Sciences, Bauru School of Dentistry - University of São Paulo, Bauru, Brazil |
| 12:10 | Prevalence, severity and risk indicators for erosive tooth wear in Belgian adults | Kanaan Mireille, Brabant Alain, Eckert George, Harra Andersson, Carvalho Joana  
Faculty of Medicine and Dentistry, ULouvain, Brussels, Belgium; School of Dentistry, Indiana University, Indianapolis, United States of America |
| 12:20 | Long-term caries prevention of sealants and NaF varnish in ASD children | Balian Araxi, Campus Guglielmo, Bonta Giuliana, Salerno Claudia, Cirio Silvia, Cagetti Maria Grazia  
Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy; Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Bern, Switzerland; Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy |
| 12:30 | How entrenched are brushing movement frequencies? | Ressel Elisa, Giese-Kraft Katja, Ganss Carolina  
Department of Conservative and Preventive Dentistry, Dental Clinic of the Justus Liebig University Giessen, Giessen, Germany |
| 12:40 | Caries-OUT study in children with CariesCare International adapted for the pandemic: Uruguay Centre 1-year follow-up | San-Martin Magdalena, Beltrán Edgar O., Hernandez Laura, Cortes Andrea, Douglas Gail V.A., Newton J. Timothy, Pitts Nigel B., Avila Viviana, Usuga-Vaccia Margarita, Gamboa Luis F., Deery Christopher, Martignon Stefania  
UNICA – Caries Research Unit, Research Department, Universidad El Basque, Bogota, Colombia; Department of Health, Universidad Católica del Uruguay, Montevideo, Uruguay; Dental Public Health, Leeds Dental Institute, University of Leeds, Leeds, United Kingdom; Dental Innovation and... |
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| 12.50  | **CariesOUT single-group interventional multicentre study: 5-month caries control follow-up.**   
UNICA - Caries Research Unit, Research Department, Universidad El Bosque, Bogotá, Colombia.  |
| 13:00  | **Does vaping influence oral bacteria growth and cariogenic promoting factors? An in vitro review**   
Camoni Nicole, Andrea Roccuzzo, Campus Guglielmo, Cagetti Maria Grazia, Esteves Oliveira Marcella 
Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Switzerland; Pediatric Dentistry, School of Dental Medicine, University of Bern, Switzerland; Operative Dentistry, Indiana University School of Dentistry, Indianapolis, IN, United States of America.  |
| 13:10  | **Lunch**                                                                         |
| 13:30  | **POSTER SESSION 3: Nathan Cochrane Junior Scientist Award**                  
Chair Fontana Margherita, Klaus Neuhaus, Juan Sebastian Lara  |
| 14:30  | **What does a plaque index say about the true plaque coverage of a tooth?**   
Jung Katja, Ganss Carolina, Schluter Nadine, Giese-Kraft Katja 
Department of Conservative and Preventive Dentistry, Dental Clinic of the Justus Liebig University Giessen, Giessen, Germany; Center for Dental Medicine, University Medical Center, Albert-Ludwigs-University, Freiburg, Germany  |
| 14:45  | **Study Protocol for a Randomized Controlled Clinical Trial on the efficacy and reliability of non-operative treatment amongst toddlers**   
Makkenann Anastasia 
Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Switzerland  |
| 15:00  | **Effectiveness of adhesive containing MDPB: a practice-based clinical trial**   
Hollands Audrey 
Department of Dentistry, Radboudumc, Nijmegen, The Netherlands  |
| 15:15  | **Caries assessments on young adults using conventional techniques, 3D-intraoral scanner and near-infrared transillumination. Second report.**   
Riis M. K., Ekstrand K. R., Michou S. 
Department of Odontology, Faculty of Health and Medical Sciences, University of Copenhagen, Copenhagen, Denmark  |
| 15:30  | **Assessment of different toothpaste applications without rinsing on artificial root caries**   
Chen Haoran, Hill Robert, Baysan Aylin 
Institute of Dentistry, Barts and the London School of Medicine and Dentistry, Queen Mary University of London, London, United Kingdom  |

**POSTER SESSION 4: De-Remineralization studies 1**  
Chair Mailart M. C. and Giovanna Orsini  

| 14.30 | **Remineralization by experimental toothpastes containing S-PRG fillers** |

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*Promoting and mainstreaming the 17 UN SDGs.*
**POSTER SESSION 5: Fluoride studies**

**Chair Stavna Larsen Line and Salerno Claudia**

### 16:30

**Silver diamine fluoride efficacy in arresting caries in primary molars: a systematic review and meta-analysis**

*S thương Claudia, Campus Guglieimo, Balian Arania, Cirio Silvnia, D’avola Valeria, Catetti Maria Grazia*

Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy; Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Bern, Switzerland; Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy

### 16:40

**Mineral release from toothpaste containing S-PRG fillers during toothbrushing and subsequent oral retention**

*Kato Kazuo, Shimazaki Yoshihito*

School of Dentistry, Aichi Gakken University, Nagoya, Japan; School of Dentistry, Aichi Gakken University, Nagoya, Japan

### 16:50

**Fluoride varnish reduces the lower resistance of fluorotic enamel to demineralization**

*Almeida Luma Fabiane, Tabchoury Cinhia Pereira Machado, Valdivia-Tapia Astrid Carolina, Martines-Mier Esperanza Angeles, Villamarim Rodrigo Soares, Cury Jaime Aparecido*

Pontifical Catholic University of Minas Gerais, Belo Horizonte, MG, Brazil; Piracicaba Dental School, UNICAMP, Piracicaba, SP, Department of Cariology, Indiana University School of Dentistry, United States of America

### 17:00

**Fluoride and silver ion concentrations and pH in silver diamine fluoride solutions from Argentina**

*Sabor Daisuke, Nakatsuka Toshiyuk, J de Josselin de Jong Elbert, Jiro Hitomi*

Division of Human Embryology, Department of Anatomy, Iwate Medical University, Yabuwa, Iwate, Japan; Marketing Department, Shofa Inc., Kyoto, Japan; Inspektor Research Systems BV, Buxsum, The Netherlands; Division of Human Embryology, Department of Anatomy, Iwate Medical University, Yabuwa, Yashu., Japan

### 16:00

**Coffee break**

**POSTER SESSION 5: Fluoride studies**

**Chair Stavna Larsen Line and Salerno Claudia**

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Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy; Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Bern, Switzerland; Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy

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17:10  
**Effect of pH of fluoride mouthrinse on reduction of enamel demineralization**  
Valdivia-Tapia Astrid Carolina, Ricomini-Filho Antônio Pedro, Tabchoury Cinthia Pereira Machado, Cury Jaime Aparecido  
Piracicaba Dental School, UNICAMP, Piracicaba, SP, Brazil

17:20  
**Effect of 5,000 ppm fluoride toothpaste on salivary fluoride: a randomized, controlled clinical trial**  
Staun Larsen Line, Nyvad Bente, Baelum Vibeke  
Department of Dentistry and Oral Health, Aarhus University, Aarhus, Denmark

17:30  
**Do toothpastes in Santo Domingo have the recommended minimum of 1000-ppm total soluble fluoride?**  
Abreu-Placeres Ninoska, Lippert Frank, Buckley Chris, Tamayo-Cabeza Guillermo, Garrido Luis Eduardo, Ekstrand Kim Rud, Martignoni Stefania, Martinez Mier Esperanza Angeles  
Faculty of Health and Medical Sciences, Section of Cariology and Endodontics, University of Copenhagen, Copenhagen, Denmark; Biomaterials and Dentistry Research Center (CIDO-UNIBE), Universidad Iberoamericana, Santo Domingo, Dominican Republic; Department of Cariology, Operative Dentistry and Dental Public Health, Indiana University School of Dentistry, Indianapolis, Indiana, United States of America; School of Psychology, Pontificia Universidad Católica Madre y Maestra, Santo Domingo, Dominican Republic; Universidade El Bosque, Bogota, Colombia, Department of Cariology, Operative Dentistry and Dental Public Health, Indiana University School of Dentistry, Indianapolis, Indiana, United States of America

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**POSTER SESSION 6: Epidemiology 1**  
**Chair Schmoeckel Julian and Sava-Rosianu Ruxandra**

16:30  
**The impact of DMF-T and PUFA on quality of life**  
Reis Patricia, Jorge Roberto, Guerra Blanca, Peres Ana, Oliveira Aline, Pontes Norma, Soviero Vera  
Department of Pediatric Dentistry, Universidade do Estado do Rio de Janeiro, Rio de Janeiro, RJ, Brazil; Dentistry School, Centro Universitário Arthur Sa Eará Neto, Petrolpolis, Brazil

16:40  
**Standardizing the DMFT of 12 year-old 6th-graders in the federal states of Germany in National Oral Health Survey in Children 2016 by weighting with national distribution of school types**  
Wahl Goetz, Schmoeckel Julian, Spleith Christian Heinz  
Landesamt für Verbraucherschutz Sachsen-Anhalt (LAV), Department of Preventive and Pediatric Dentistry, University of Greifswald, Greifswald, Germany

16:50  
**Oral health behaviour among the population in Russia**  
Kuzmina Irina, Janushevich Oleg, Kuzmina Edith, Ravinskaya Alla, Kuznetsov Pavel  
Preventive Dentistry Department, Moscow State University of Medicine and Dentistry, Moscow, Russia; Periodontology Department, Moscow State University of Medicine and Dentistry, Moscow, Russia

17:00  
**Oral health behaviours, living conditions and caries experience of 6-year olds in Romania**  
Sava-Rosianu Ruxandra, Campus Guglielmo, Dumitrescu Ramona, Maricutoiu Laurentiu, Galuscan Atena  
Department of Preventive, Community Dentistry and Oral Health, Faculty of Dentistry, University of Medicine and Pharmacy Timisoara Romania; Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Bern, Switzerland; Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy Department of Preventive, Community Dentistry and Oral Health, Faculty of Dentistry, University of Medicine and Pharmacy Timisoara Romania, West University Timisoara, Romania

17:10  
**Dental caries status among subjects with type 2 Diabetes Mellitus (T2DM) in an urban Indian population.**  
M. C. V. Ashritha, Krithikadatta Jogikalmat., Arul Buvaneshwari, Vishwanathan Mohan, Vishwanatha Vijay, Campus Guglielmo  
Private Practitioner, Royal Pearl dental clinic, Thillai nagar east, Trichy, Tamilnadu, India; Department of Cariology, Saveetha Dental College and Hospitals, Chennai, India; Department of Conservative Dentistry and Endodontics, Faculty of Dentistry, Meenakshi Academy of Higher Education and Research, Chennai, India; Prof. M Vishwanathan Diabetes Research Centre, Chennai, India; Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Switzerland

17:20  
**Oral health related dietary habits among the population in Russia**  
Said Daria, Kuzmina Irina, Lapatina Alla, Borchalinskaya Karina, Kuzmina Edith  
Preventive Dentistry Department, Moscow State University of Medicine and Dentistry, Moscow, Russia

17:30  
**Caries trajectories decline in children 7-10 years old in the city of Greifswald in Germany**  
Mourad Mhd Said, Al Masri Ahmad, Basner Roger, Vielhauser Annina, Spleith Christian Heinz  
Department of Preventive and Pediatric Dentistry, University of Greifswald, Greifswald, Germany; Department of Orthodontics, University of Greifswald, Greifswald, Germany

17:40  
**Caries trajectories decline in adolescents 14-18 years old in the city of Greifswald in Germany**  
Al Masri Ahmad, Mourad Mhd Said, Basner Roger, Vielhauser Annina, Spleith Christian Heinz  
Department of Preventive and Pediatric Dentistry, University of Greifswald, Greifswald, Germany; Department of Orthodontics, University of Greifswald, Greifswald, Germany
17:45 General Assembly

20:00 (tbc) Informal dinner: Bastione San Remy (walking distance from the Congress Centre: 200 metres)

**Friday, 1st July, 2022**

“Sa Manifattura” Viale Regina Margherita, 33, Cagliari, Italia

8:30 Keynote Speaker **Prof. Stefania Martignon** (Universidad El Bosque, Colombia)
“ICCMS/CCI caries management system in public health and the practice”

**POSTER SESSION 7: Microbiology**

**Chair Lehrkinder Anna and Tennert Christian**

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<tr>
<td>9:30</td>
<td>Regulation of Streptococcus mutans virulence characteristics by probiotic Lactobacillus reuteri metabolites</td>
<td>Lehrkinder Anna, Alfraida Sahal, Långström Peter, Department of Cardiology, Institute of Odontology/Sahlgrensk Academy, University of Gothenburg, Sweden</td>
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<td>9:40</td>
<td>Effect of different atmospheres on microcosm biofilm formation and tooth demineralization</td>
<td>Braga Aline Silva, Kim Ricci Kim, Magalhães Ana Carolina, Department of Biological Sciences, Bauru School of Dentistry, University of São Paulo, Bauru, Brazil</td>
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<tr>
<td>9:50</td>
<td>Development of multi-particulate systems for natural compound release and oral biofilm control</td>
<td>Sales Luciano Solera, Meneguin Andreia Bagliotti, Barud Hernane da Silva, Brighenti Fernando Lourengo, Department of Morphology, Genetics, Orthodontics and Pediatric Dentistry, São Paulo State University (Unesp), School of Dentistry, Araraquara, São Paulo, Brazil; Department of pharmaceuticals and medicines, São Paulo State University (Unesp), School of Pharmaceutical Sciences, Araraquara, São Paulo, Brazil University of Araraquara (UNIARA), Araraquara, São Paulo, Brazil.</td>
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<tr>
<td>10:00</td>
<td>Bacteriome analysis of biofilm from root surfaces in Colombian elderlies</td>
<td>Usuga-Vacca Margarita, Márquez-Ortiz Ricautre Alejandra, Castellanos Jaime Eduardo, Martignon Stefania, UNICA - Caries Research Unit, Research Department, Universidad El Bosque, Bogota, Colombia; Bacterial Molecular Genetics Laboratory, Research Department, Universidad El Bosque, Bogota, Colombia; Grupo de Virologia, Vicerectoría de Investigación, Universidad El Bosque, Bogota, Colombia.</td>
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<tr>
<td>10:10</td>
<td>Bacterial composition of dental biofilm from adolescents with Erosive Tooth Wear, Cavitated Caries or Sound</td>
<td>Avila Viviana, Beltran, Edgar O, Castellanos, Jaime, Martignon Stefania, UNICA - Caries Research Unit, Research Department, Universidad El Bosque, Bogota, Colombia.</td>
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<tr>
<td>10:30</td>
<td>Antimicrobial effects of photodynamic therapy in artificial carious lesions in human teeth in vitro</td>
<td>Tennert Christian, Kiertt Sanja, Altenburger Markus Jörg, Al-Ahmad Ali, Tennert Christian, Dental School of Freiburg, Freiburg, Germany.</td>
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<td>10:40</td>
<td>Anti-caries and antibiofilm capacity of a prebiotic in association with fluoride</td>
<td>Miranda Marina Danelon, Marcelle Nunes, Gabriel Delbem, Alberto Brighenti Fernanda, School of Dentistry, Araraquara, São Paulo State University (UNESP), Brazil.</td>
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**POSTER SESSION 8: Erosion Studies 1**

**Chair Luka Benedikt and Magalhães Ana Carolina**

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<tr>
<td>9:30</td>
<td>Salivary pellicle modification with film-forming polymers and fluoride for the protection of enamel erosion</td>
<td>Skakie Letícia, Scaramucci Taís, Niemeyer Samira, Borges Alessandra, Carvalho Thiago, University of Bauru (UNESP), Brazil.</td>
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</table>
9:40  Protease-inhibitors added to saliva increase the erosion protective effect of in vitro pellicles
Baumann Tommy, Beyeler Barbara, Niemeyer Samira Helena, Buzalaf Marilia Afonso Rabelo, Carvalho Thiago Saads
Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland

9:50  Phosphoric acid modified with polyphenol-rich plant extracts: effect on bond strength to non-eroded/eroded dentine
Zayed Mohamed, Hug Isabel, Stiebritz Michael, Peutzfeldt Anne, Flury Simon, Baumann Tommy, Saads Carvalho Thiago, Niemeyer Samira Helena
Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland

10:00 Impact of sodium-hexametaphosphate on the anti-erosive/anti-abrasive effect of fluoride or fluoride-stannous-combinations in enamel in vitro
Luka Benedikt, Duerrsnabel Andrea, Neumaier Sin, Schuelter Nadine
Division for Cariology, Department of Operative Dentistry and Periodontology, Center for Dental Medicine, Medical Center - University of Freiburg, Faculty of Medicine, University of Freiburg, Freiburg im Breisgau, Germany

10:10  Effect of the experimental TiF4 and chitosan toothpastes on erosive-abrasive dentin wear in vitro
Vertuan Mariele, Francese Monique Malta, Gonçalves Isabela Vieira Bolzan, Souza Beatriz Martins, Magalhães Ana Carolina
Department of Biological Sciences, Bauru School of Dentistry - University of São Paulo, Bauru-SP, Brazil

10:20  Effect of the experimental TiF4 and chitosan toothpastes on enamel tooth wear in vitro
Magalhães Ana Carolina, Francese Monique M., Gonçalves Isabela V. B., Vertuan Mariele, Souza Beatriz Martins
Department of Biological Sciences, Bauru School of Dentistry, University of São Paulo, Bauru, Brazil

10:30  Control of erosive/abrasive dentin wear using aminomethacrylate copolymer/fluoride solutions
Borges Alessandra, Lotto Giovanna, Wrzesinski Taiana, Santos Tamires, Augusto Marina, Scaramucci Tais, Torres Carlos
Department of Restorative Dentistry, Sao Paulo State University- UNESP, Sao Jose dos Campos, Brazil

10:40  Addition of plant extract to acids can reduce their erosive potential
Unteregger Sara, Furrer Samuel, Niemeyer Samira Helena, Baumann Tommy, Carvalho Thiago Saads
Department of Preventive, Restorative and Pediatric Dentistry, University of Bern, Bern, Switzerland

10:50  Can vegan or vegetarian diets predispose for dental erosion?
Young A, Arntzen H, Nguyen J, Malhotra I, Hove Lene H
Faculty of Dentistry, Institute of Clinical Dentistry University of Oslo, Norway

11.00  Coffee break

POSTER SESSION 9: De-Remineralization studies 2
Chair Jurić Hrvoje and Marcella Esteves-Oliveira

11:30  The effects of different surface treatment methods for orthodontic interproximal reduction on the development of caries
Alifaji Waled Ahmed, Hassan Ali Habiballah, Bakry Ahmed Samir
Department of Orthodontics, Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia; Department of Orthodontics, Ain Shams Specialist Hospital, Ministry of Health, Makkah, Saudi Arabia; Operative Dentistry Department, Faculty of Dental Medicine, King Abdulaziz University, Jeddah, Saudi Arabia

11:40  Effect of surface polishing protocols on roughness and in situ bacterial growth of resin infiltrated lesions
Esteves-Oliveira M., Zaranza T., Raamon A., Passos V., Meyer-Lueckel H., Lima J.
Department of Restorative, Preventive & Pediatric Dentistry, University of Bern, Bern, Switzerland; Christus University Center, Fortaleza, Ceará, Brazil

11:50  Monitoring enamel and root surface modifications using 3D surface texture analysis (3DST) – a new approach in cariology
Schulz-Korns Ellen, Ziebolz Dirk, Kreher Deborah, Haak Rainer
Department of Cariology, Endodontology and Periodontology, University of Leipzig, Leipzig, Germany

12:00  Kinetics of Silver Diammine Fluoride (SDF) in demineralising and remineralising solutions
Kaur Mandep Anderson, Paul Wong, Ferranti Shahid Saroosh
Centre of Oral Bioengineering, Institute of Dentistry, Queen Mary University of London, London, United Kingdom

12:10  Release of bioactive ions by fluoride containing dental composite to enhance remineralization and prevent secondary caries

[Image] Proudly promoting and mainstreaming the 17 UN SDGs
12:20 Microleakage of self-adhesive resin-based sealant material – in vitro study
Gorseta Kristina, Skrinjaric Tomislav, Jurc Hrvoje, Glavina Domagoj
Department of Pediatric Dentistry, School of Dental Medicine, University of Zagreb, Zagreb, Croatia

12:30 Enamel pretreatment with Er:YAG laser: effects on bond strength of fissure sealant
Dobderofa Dafina, Jurc Hrvoje
Department of Pediatric Dentistry and Prevention University of Zagreb School of Dentistry Zagreb, Croatia

12:40 45SS bioglass remineralizes and protects enamel against simulated cariogenic attack
Abbassy Mona Aly, Hassan Aly Habiballah
Department of Orthodontics, Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia

POSTER SESSION 10: Clinical studies 2
Chair Braga Mariana Minatel, and Wierichs Richard Johannes

11:30 Salivary caries risk factors in patients with chronic graft versus host disease
Vovk Nina, Urek Manca, Cankar Ksenija, Novak Polona, Nemeth Lidija
Orthos, Institute for Orthodontics and Maxillofacial Orthopedics, Ljubljana, Slovenia; Ljubljana Implantology Centre - Oblak Dentistry, Ljubljana, Slovenia; Institute of Physiology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia; Division of Haematology, University Medical Centre Ljubljana, Ljubljana, Slovenia; Department of Dental Diseases and Normal Dental Morphology, Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia

11:40 Modification of the plaque pH, and cariogenic bacteria in a 2-year RCT using a H.A.F. Toothpastes
Cocco Fabio, Cagetti Maria Grazia, Bonta Giuliana, Wolf Thomas Gerhard, Campus Guglielmo
Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy; Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy; Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland; Department of Periodontology and Operative Dentistry, University Medical Center of the Johannes Gutenberg-University Mainz, Mainz, Germany

11:50 Effectiveness of H.A.F. Toothpastes on modifying caries activity lesions in a 2-years triple-blind Randomized Clinical Trials.
Cocco Fabio, Cagetti Maria Grazia, Wolf Thomas Gerhard, Wierichs Richard Johannes, Salerno Claudia, Arghittu Antonella, Campus Guglielmo
Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy; Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy; Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland; Department of Periodontology and Operative Dentistry, University Medical Center of the Johannes Gutenberg-University Mainz, Mainz, Germany

12:00 A 2-years triple-blind Randomized Clinical Trial on the efficacy of H.A.F. Toothpastes in primary and permanent dentitions
Cagetti Maria Grazia, Cocco Fabio, Cirio Silvia, Wierichs Richard Johannes, Wolf Thomas Gerhard, Salerno Claudia, Arghittu Antonella, Campus Guglielmo
Department of Biomedical, Surgical and Dental Sciences, University of Milan, Milan, Italy; Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy; Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland; Department of Periodontology and Operative Dentistry, University Medical Center of the Johannes Gutenberg-University Mainz, Mainz, Germany; Direzione Igiene e Controllo delle Infezioni Ospedaliere, University Hospital of Sassari, Sassari, Italy

12:10 Is detecting initial caries lesions and activity assessment mandatory to avoid new operative treatment in primary teeth? Cardec-02 RCT
Braga Mariana Minatel, Florian Isabel, Machado Thais Oliveira, Freitas Raiza Dias, Rocha Elizabeth Souza, Tedesco Tamara Kerber, Machado Gabriela Manco, Gomes Renata Antonangelo, Imprato Jose Carlos, Raggio Daniela Procida, Mendes Fausto Medeiros
Pediatric Dentistry, Dental School, University of São Paulo, Brazil

12:20 Dental practitioners treatment choices for replacement of restorations
Bottenberg Peter, Jacquet Wolfgang, Vanwng Tom, Hamouchi Mimoun, Vandenabbele, Astrid
School for Oral Health sciences, Universite Libre de Bruxelles, Brussels, Belgium; Oral Health Research Group, Vrije Universiteit Brussel, Brussels, Belgium; Brussels research center for Innovation in Learning and Diversity, Vrije Universiteit Brussel, Brussels, Belgium

12:30 Dental caries lesion distribution in a US population from age 1 to age 8
Keels Martha Ann, Fontana Margaretta, Eckert George J., Benavides Erika, Clements Dennis, Hara Anderson T., Kotz Barry, Levy Barcy T., Levy Steven M.
Caries Risk Study Group Department of Pediatrics, Duke University School of Medicine, Durham, NC, United States of America; Department of Cardiology, Restorative Sciences and Endodontics, University of Michigan School of Dentistry, Ann Arbor, MI, United States of America; Department of Biostatistics, Indiana University Schools of Dentistry and Medicine, Indianapolis, IN, United States of America; Department of Periodontics and Oral Medicine, University of Michigan School of Dentistry, Ann Arbor, MI, United States of America; Department of Cardiology, Operative Dentistry and Dental Public Health, Indiana University Schools of Dentistry and Medicine, Indianapolis, IN, USA; Department of Family Medicine, The University of
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<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>12:40</td>
<td>Caries preventive measures during orthodontic treatment with fixed appliances</td>
<td>Zabokova Billibova Efka, Satirovska Ivkovska Ana, Georgiev Zlatko, Ambarkova Vesna, Stavreva Natasa</td>
</tr>
<tr>
<td></td>
<td>Department of Preventive and Community Dentistry, The University Of Iowa, College of Medicine, Iowa City, IA, United States of America</td>
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<tr>
<td></td>
<td>Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Switzerland; Department of Orthodontics, University Hospital RWTH Aachen, Aachen, Germany</td>
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### POSTER SESSION 11: Diagnosis studies

Chair Lippert Frank and Vásquez Andrea

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<tr>
<th>Time</th>
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<th>Authors</th>
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<tbody>
<tr>
<td>15:30</td>
<td>Validation of visual and radiographic criteria of caries associated to restorations with ICDAS-merged CARS</td>
<td>Vásquez Andrea, Cortés Margarita Usuga, Stefania Martignin Popot, D.C. Universidad El Bosque UNICA-Caries Research Unit, UEB, Colombia</td>
</tr>
<tr>
<td>15:40</td>
<td>Staging non-cavitated caries in fissures of varying width with optical coherence tomography</td>
<td>Zain Erum, Zakian Christian, Chew HooiPin</td>
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<tr>
<td></td>
<td>Faculty of Dentistry, SEGI University, Kuala Lumpur, Malaysia; Faculty of Dentistry, University of Malaya, Kuala Lumpur, Malaysia; Kevork Instruments, R&amp;D Department, Mexico; Department of Restorative Sciences, School of Dentistry, University of Minnesota, Minneapolis, Minnesota, United States of America</td>
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<tr>
<td>15:50</td>
<td>Saliva proteomics from caries-free and caries-affected children: longitudinal study in early childhood</td>
<td>Rodrigues Lidíamy Karla Azevedo, Guedes Sarah Florindo Figueiredo, Amaral Regiane Cristina, Neves Beatriz Gonçalves Limo-Neto Abelardo Barbosa Moreira, Guedes Maria Isabel Florindo, Duarte Simone</td>
</tr>
<tr>
<td></td>
<td>Faculty of Pharmacy, Dentistry and Nursing, Postgraduate Program in Dentistry, Federal University of Ceará, Fortaleza, Brazil; Department, Federal University of Sergipe, Aracaju, Sergipe, Brazil; School of Dentistry, Federal University of Ceará, Sobral, Brazil; Laboratory of Biotechnology and Molecular Biology, State University of Ceará, Fortaleza, Brazil; Laboratory of Biotechnology and Molecular Biology, State University of Ceará, Fortaleza, Brazil; School of Dentistry, Federal University of Ceará, Sobral, Brazil</td>
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<td></td>
<td>R&amp;D center, AIOBIO corp., Seoul, Republic of Korea; Department of Preventive Dentistry &amp; Public Oral Health, BK21 FOUR Project, Yeonsi University College of Dentistry, Seoul, Republic of Korea; Department of Health Service Research, University of Liverpool, Liverpool, United Kingdom; Inspektor Research System BV, Bussum, The Netherlands</td>
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<tr>
<td>16:10</td>
<td>Investigating the ability of a blue dye to selectively stain early enamel caries lesions</td>
<td>Lippert Frank, Eder Jennifer, Hegaetty Kerry, Jonathan Mangum</td>
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<td>Oral Health Research Institute, Indiana University, Indianapolis, United States of America; Invisive Technologies, Melbourne, Australia</td>
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<tr>
<td>16:20</td>
<td>In-vitro performance of BlueCheck liquid as a novel technology for detection of initial enamel demineralization</td>
<td>Jablonski-Momeni Anahita, Müller Mara, Bottenberg Peter, Korbmacher-Steiner Heike</td>
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<tr>
<td></td>
<td>Department of Orthodontics, Dental School, Philips University, Marburg, Germany; Department of Oral Health Care, Université Libre de Bruxelles (ULB), Belgium</td>
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<tr>
<td>16:30</td>
<td>Correlation between MMPs expression and caries surface appearance</td>
<td>El Sharkasi Lamis, Bingle Lynne, Deery Christopher</td>
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<td>School of Clinical Dentistry, The University of Sheffield, Sheffield, United Kingdom</td>
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<td>16:40</td>
<td>Assessment of discolored caries lesion using QLF technology with stain removal</td>
<td>Hyung-Suk Lee, Eun-Song Lee, Jung Hoi-In, Kim Baek-II</td>
</tr>
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<td></td>
<td>R&amp;D center, AIOBIO corp., Seoul, Republic of Korea</td>
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### POSTER SESSION 12: Epidemiology Studies 2 and dental education
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<tr>
<th>Time</th>
<th>Session</th>
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| 15:30 | **Comparison of dental student’s perception on preclinical coursework in India and Republic of North Macedonia**  
Rahiotis Chris, Mazinis Manos, Kakaboura Afrodite  
Department of Operative Dentistry, University of Athens, Greece |
| 15:40 | **The application of video-presentation teaching method in cariology education**  
Rahiotis Chris, Mazzini Manos, Kakaboura Afrodite  
Operative Dentistry, National and Kapodistrian University of Athens, Greece |
| 15:50 | **Self-reported oral health behaviors and mask use during the COVID-19 pandemic in Chile**  
Fernández Constanz E., Arqueros Camila, Escobar Victor, Gambette-Tessini Karla  
Cariology Unit, Department of Oral Rehabilitation, Faculty of Health Sciences, University of Talca, Chile |
| 16:00 | **Performance of dental students in the detection of caries lesions. A 7-year experience at IUSD**  
Department of Cariology, Operative Dentistry and Dental Public Health, Indiana University School of Dentistry, Indianapolis, IN, United States;  
Department of Orthodontics and Pediatric Dentistry, School of Dentistry, University of Sao Paulo, Sao Paulo, Brazil;  
Department of Comprehensive Care, School of Dental Medicine, University of Belgrade, Serbia |
| 16:10 | **Determination of carious outcomes (DMFT/DMFS) within two-years of Sjögren’s Syndrome diagnosis**  
Department of Cariology, Operative Dentistry and Dental Public Health, Indiana University School of Dentistry, Indianapolis, IN, United States |
| 16:20 | **Dental care services among Parkinson’s patients in Denmark**  
Baram Sara, Rosing Kasper, Bakke Merete, Øzhayat Esben Boeskov  
Department of Health Sciences, University of Copenhagen, Denmark |
| 16:30 | **Association between underlying dentin lesion shadows (ICDAS 4) and oral health-related quality of life among adolescents from southern Brazil**  
Department of Stomatology, School of Dentistry, Federal University of Santa Maria, Santa Maria, Brazil |
| 16:40 | **The novel calibration method for the oral health survey in preschool children**  
Markovic Dejan, Vukovic Ana, Soldatovic Ivan, Peric Tamara, Kilibarda Biljana, Sava-Rosianu Ruxandra, Campus Guglielmo  
Department of Pediatric and Preventive Dentistry, School of Dental Medicine, University of Belgrade, Belgrade, Serbia;  
Department of Statistics and Bioinformatics, School of Medicine, University of Belgrade, Belgrade, Serbia;  
Institute of Public Health of Serbia “Dr. Mladen Jovanovic Batter”;  
Belgrade, Serbia;  
Department of Preventive, Community Dentistry and Oral Health, Faculty of Dentistry, University of Medicine and Pharmacy (“Victor Babes”), Timisoara, Romania;  
Department of Restorative, Pediatric and Preventive Dentistry, Dental Clinic, University of Bern, Bern, Switzerland |
| 17:00 | **Dental caries status among subjects with type 2 Diabetes Mellitus (T2DM) in an urban Indian population.**  
M. C. V. Ashritha, Krithikadatta Jagikalmat., Arul Buvaneshwari, Vishwanathan Mohan, Vishwanatha Vijay, Campus Guglielmo  
Private Practitioner, Royal Pearl dental clinic, Thilai nagar east, Trichy, Tamilnadu, India;  
Department of Cariology, Saveetha Dental College and Hospitals, Chennai, India;  
Department of Conservative Dentistry and Endodontics, Faculty of Dentistry, Meenakshi Academy of Higher Education and Research, Chennai, India;  
Madras Diabetes Research Foundation, Chennai, India;  
Prof. M Vishwanathan Diabetes Research Centre, Chennai, India;  
Department of Restorative, Preventive and Pediatric Dentistry, University of Bern, Switzerland. |
| 17:10 | **National Survey On Caries Prevalence In 12-Year-Old Children In Uzbekistan**  
Department of Preventive Dentistry, Tashkent State Dental Institute, Tashkent, Uzbekistan. |

**17:15 Coffee break**

**20:00 Social dinner Venue: Convento San Giuseppe, Via Paracelso, Cagliari (buses will leave from the congress centre and hotels at 19:30)**
### Saturday, 2nd, July, 2022
“Sa Manifattura” Viale Regina Margherita, 33, Cagliari, Italia

8:30 Keynote Speaker Prof. Denis Bourgeois (University Claude Bernard Lyon 1, France)
“Using risk indicators to plan public dentistry interventions against caries”

**POSTER SESSION 13: Erosion 2**
Chair Niemeyer Samira Helena and Bartlett David

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>9:30</td>
<td>The effect of tea on surface loss of the dental enamel under erosive challenge in vitro</td>
<td>Al Shezawi Maryam, Molinowski Marina, Strafford Simon Mark, O’Sullivan Elizabeth, Toumba Kyriacos Jack</td>
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<td></td>
<td></td>
<td>Department of Paediatric Dentistry, School of Dental Medicine, University of Leeds, United Kingdom</td>
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<tr>
<td>9:40</td>
<td>Protective effect of chitosan gel containing CaneCPI-5 against erosion/abrasion in situ</td>
<td>Brito Leonardo, Taira Even, Henrique-Silva Flávio, Pieretti Joana, Seabra Amedea, Cardoso Cristiane,</td>
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<td>de Souza Eduardo, Groisman Sônia, Rodrigues Marcela, Lussi Adrian, Carvalho Thiago, Buzalaf Marília</td>
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<tr>
<td></td>
<td></td>
<td>Department of Biological Sciences, Bauru School of Dentistry, University of São Paulo, Brazil. Department of Biological Sciences, Bauru School of Dentistry, University of São Paulo, Brazil. Department of Genetics and Evolution, São Carlos Federal University, São Carlos, Brazil. Center for Natural and Human Sciences, Federal University of ABC, Santo André, São Paulo, Brazil. Postgraduate Department, Cruzeiro do Sul University, São Paulo, Brazil; Federal University of Rio de Janeiro, Rio de Janeiro, Brazil; Municipal University of São Caetano do Sul (USCS), São Caetano do Sul, São Paulo, Brazil; Department of Operative Dentistry and Periodontology, University Medical Centre, Freiburg, Germany; Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland.</td>
</tr>
<tr>
<td>9:50</td>
<td>Immunohistochemical study on the immune and antigen-presenting cells of the dental pulp</td>
<td>Sotiroska Ivkovska Ana, Zabokova Bibilova Efka, Georgiev Zlatko, Stavreva Natasha, Mijoska Aneta</td>
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<td>Department of Pediatric and Preventive Dentistry, Faculty of Dentistry, Skopje, Republic of Macedonia; Department of Pediatric and Preventive Dentistry, Faculty of Dentistry, Skopje, Republic of Macedonia; Department of Prosthodontics, Faculty of Dentistry, Skopje, Republic of Macedonia; Department of Prosthodontics, Faculty of Dentistry, Skopje, Republic of Macedonia.</td>
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<tr>
<td>10:00</td>
<td>Effect of three (bio)polymers on the protection of enamel against dental erosion</td>
<td>Niemeyer Samira Helena, Oba Sakoe Leticia, Hug Isabel, Baumann Tommy, Scaramucci Tais, Saads Carvalho Thiago</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland; Department of Restorative Dentistry, University of São Paulo, São Paulo, Brazil.</td>
</tr>
<tr>
<td>10:10</td>
<td>Analysing early erosive lesions produced by silicone impressions of unpolished enamel</td>
<td>Jadeja Sagar, O’Toole Saoirse, Austin Rupert, Bartlett David</td>
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<td></td>
<td></td>
<td>Faculty of Dentistry, Oral &amp; Craniofacial Sciences, King’s College London, London, United Kingdom</td>
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<tr>
<td>10:20</td>
<td>Acquired pellicle proteomics after exposure to citric or hydrochloric acid in different formation times</td>
<td>Ventura Talita, Cardoso Marina, Taira Even, Ribeiro Nathalia, Teodoro Tamara, Carvalho Thamyris, Buzalaf Marília</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Biological Science - Laboratory of Biochemistry, Bauru School of Dentistry - University of São Paulo, Bauru, Brazil.</td>
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**POSTER SESSION 14: Clinical Studies 3**
Chair Ekstrand KR and Schlafer Sebastian

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<th>Time</th>
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<th>Authors</th>
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<tr>
<td>9:30</td>
<td>The Complex Relationship between Salivation, Oral Health, and Speech</td>
<td>Taraboanta Ionut, Teodorescu Mike H. M., Ghiorghe Angela Cristina, Andrian Sorin</td>
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<tr>
<td></td>
<td></td>
<td>Restorative Dentistry Department, “Grigore T. Popa” University of Medicine and Pharmacy, Iasi, Romania; Information Systems Department, Boston College, Chestnut Hill, MA 021467, United States; Restorative Dentistry Department, “Grigore T. Popa” University of Medicine and Pharmacy, Iasi, Romania; Restorative Dentistry Department, “Grigore T. Popa” University of Medicine and Pharmacy, Iasi, Romania; Restorative Dentistry Department, “Grigore T. Popa” University of Medicine and Pharmacy, Iasi, Romania.</td>
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<tr>
<td>9:40</td>
<td>Quantification of undiscovered and disclosed dental plaque using light-induced fluorescence</td>
<td>Chokyu Del Rey Yumi, Thestrup Rikvold Pernille, Kambourakis Johnsen Karina, Schlafer Sebastian</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Department of Dentistry and Oral Health, Section for Oral Ecology and Caries Control, Aarhus University, Aarhus, Denmark</td>
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<td>10:00</td>
<td>Photobiomodulation treatment increases salivary flow in patients with xerostomia: A systematic review</td>
<td>Golez Aljaz, Nemeth Lidiia, Cankar Ksenija</td>
</tr>
<tr>
<td>10:10</td>
<td>Percentage of increased transitions in ICDAS scores in early childhood in a US population</td>
<td>Fontana Margherita, Eckert George J., Benavides, Erika Clements, Dennis Hara Anderson T., Katz Barry, Keels Martha Ann Levy, Barcey T. Levy, Steven M.</td>
</tr>
<tr>
<td>10:20</td>
<td>Influence of the circadian rhythm on pH, protein and inorganic composition of unstimulated saliva, a clinical study</td>
<td>Giacaman Rodrigo A., Albornoz-Bravo Maria Antonieta, Sobarzo-Vergara Albert, Reyes-Parraguzar Juan Francisco, Valenzuela-Aravena Maria Elisa, Garcia-Manriquez Natalia, Muñoz-Morales Felipe, Gambetta-Tessini Karla</td>
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<tr>
<td>10:30</td>
<td>Approximal sealing during operative treatment in the neighbor tooth. Initial findings based on cases</td>
<td>Cortagena Alvaro, Bakhshandeh Azam, Ekstrand Kim</td>
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<tr>
<td>10:40</td>
<td>Caries assessments on young adults with radiographic ICDAS. First report.</td>
<td>Ekstrand K. R., Riis M. K., Michou S.</td>
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<tr>
<td>10:50</td>
<td>Association study on nutrition in the first year of life and molar-incisor hypomineralization (MIH) – Results from the GINI-plus and LISA birth cohort studies</td>
<td>Khazaee Veyanbeh, Kuehnisch Jan, Standl Marie, Harris Carla P., Heinrich Joachim</td>
</tr>
<tr>
<td>11:00</td>
<td>Visible Occlusal Plaque Index Predicting Caries Lesion Activity: 2-yr Clinical TrialClinical</td>
<td>Carvalho J, Mestrinho HD, Aimée NR, Bakhshandeh A, Qvist V</td>
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11:00 Coffee break

**POSTER SESSION 15: Epidemiology 3**

Chair Beltran Edgar and Beltran Edgar

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<tr>
<td>11:30</td>
<td>Oral health in adults and elders a global survey on tooth loss and caries</td>
<td>Roberta Borg-Bartolo, Andrea Roccuzzo, Pedro Molinero-Mourele, Christian Tennert, Karla Gambetta Tessini, Rodrigo Giacaman Sarah, Revan Birke Koca-Únsal, Akhilanand Chaurasia, Martin Schimmel, Guglielmo Campus</td>
<td>Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland; Department of Reconstructive Dentistry and Gerodontology, School of Dental Medicine, University of Bern, Bern, Switzerland; Cariology and Gerodontology Units, Department of Oral Rehabilitation, Faculty of Health Sciences, University of Talca, Talca, Chile; Department of Periodontology, Faculty of Dentistry, University of Kypria, Cyprus; Department of Oral Medicine and Radiology, Faculty of Dental Sciences, King George’s Medical University, India</td>
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<tr>
<td>11:40</td>
<td>Impact of the Covid-19 epidemic on access to e-care by patients affected by Autistic Spectrum Disorder</td>
<td>Corridente Denise, Corvino Ida, Zumbo Giulia, Di Giorgio Gianni, Vozza Iole, Ottolenghi Livia, Polimeni Antonella, Bassi Maurizio, Trottiini Mario, Campus Guglielmo Dept of Oral and maxillofacial Sciences Sapienza University of Rome; Universidad de Alicante; Department of Restorative, Pediatric and Preventive Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland</td>
<td>Dept of Oral and maxillofacial Sciences Sapienza University of Rome; Universidad de Alicante; Department of Restorative, Pediatric and Preventive Dentistry, School of Dental Medicine, University of Bern, Bern, Switzerland</td>
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<tr>
<td>11:50</td>
<td>Dentists’ involvement in applying early childhood preventive procedures</td>
<td>Alkizy Mohammad, Jakriti Abdullah, Geiken Antje, Graetz Christian, Mourad Mhd. Said, Qadri Ghalib, Spielet Christian Heinz</td>
<td>Department of Paediatric Dentistry, University of Bern, Bern, Switzerland; Department of Preventive Dentistry, University of Bern, Bern, Switzerland</td>
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<td>12:00</td>
<td>Dental caries in young children attending WIC clinics in North Florida USA</td>
<td>Gold Jaona, University of Florida, College of Dentistry, Gainesville, FL, United States of America</td>
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<tr>
<td>12:10</td>
<td>Best practice and guidelines on caries treatment in global oral health: a scoping review</td>
<td>Lamloum Demetrio, Odane Anna, Gaeta Maddalena, Arghitu Antonella, Campus Guglielmo</td>
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<td>Department of Restorative, Pediatric and Preventive Dentistry, School of Dental Medicine, University of Bern, Switzerland. Department of Public Health, Experimental and Forensic Medicine University of Pavia, Italy; Department of Surgery, Microsurgery and Medicine Sciences, School of Dentistry, University of Sassari, Sassari, Italy</td>
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<td>12:20</td>
<td>Assessment of PhiX174 bacteriophage in simulated tooth-preserving-operative care aerosol-generating procedures (AGPs) in natural anterior/posterior teeth</td>
<td>Beltran Edgar, Corredor Zayda, Morgado Wendy, Cortes Andrea, Avila Viviana, Castellanos Jaime, Martignan Stefania</td>
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<td>UNICA - Caries Research Unit, Research Department, Universidad El Bosque, Bogotá, Colombia; Bacterial Molecular Genetics Group, Research Department, Universidad El Bosque, Bogotá, Colombia; Department of Exact and Natural Sciences, Universidad de la Costa, Barranquilla, Colombia; Virology Group, Research Department, Universidad El Bosque, Bogotá, Colombia</td>
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**POSTER SESSION 16: Clinical studies 4**

Chair Pagotto Leonardo Libardi and Mazur Marta

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<td>Division of Diagnostic Sciences, University of North Carolina at Chapel Hill, North Carolina, USA; Department of Biostatistics, University of North Carolina at Chapel Hill, North Carolina, United States of America; Division of Pediatric and Public Health, University of North Carolina at Chapel Hill, North Carolina, United States of America</td>
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<tr>
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<td>Department of Stomatology, School of Dentistry, Federal University of Santa Maria, Santa Maria, Brazil; Department of Restorative Dentistry, School of Dentistry, Federal University of Santa Maria, Santa Maria, Brazil</td>
</tr>
<tr>
<td>11:50</td>
<td>Long-term treatment of dentin hypersensitivity with Bifluorid 10 and Futurabond U: a Randomized Clinical Trial</td>
<td>Mazur Marta, Ndokaj Artthora, Jedlinski Maciej, Janiszewska-Olszowska Joanna, Corridore Denise, Nardi Gianna Maria, Campus Guglielmo, Guerra Fabrizio, Ottolenghi Livio</td>
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<td>Dept. of Oral and Maxillo Facial Sciences, Sapienza University of Rome, Italy; Dept. of Oral and Maxillo Facial Sciences, Sapienza University of Rome, Italy; Department of Interdisciplinary Dentistry, Pomeranian Medical University in Szczecin, Szczecin, Poland; Department of Restorative, Pediatric and Preventive Dentistry, School of Dental Medicine, University of Bern, Switzerland</td>
</tr>
<tr>
<td>12:00</td>
<td>Investigation of the effect of Diabetes Mellitus Type 2 on supragingival plaque microbiota.</td>
<td>Baysan A, Goel R., Alkahtani A., Stephen A.</td>
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<td>Barts and the London, School of Dentistry, QMUL, London, UK; School of Dentistry, QMUL, London, United Kingdom</td>
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<td>12:10</td>
<td>Extracellular polysaccharide rich biofilm reduces the effect of chlorhexidine on enamel demineralization: a pilot in situ study</td>
<td>Pagotto Leonardo Libardi, Cury Jaime Aparecido, Ricomini-Filho Antônio Pedro</td>
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<td>Department of Biosciences, Piracicaba Dental School FOP-UNICAMP, Piracicaba, São Paulo, Brazil; Department of Biosciences, Piracicaba Dental School FOP-UNICAMP, Piracicaba, São Paulo, Brazil</td>
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<td>12:20</td>
<td>Chlorhexidine exposure does not change EPS concentration in the matrix of early S. mutans biofilm</td>
<td>Ricomini Filho Antonio Pedro, Queiroz Mateus Xavier, Assunção Costa Bárbara Jéssica, Cury Jaime Aparecido</td>
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<td>Piracicaba Dental School, UNICAMP, Piracicaba, São Paulo, Brazil</td>
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<td>12:30</td>
<td>Evaluation of caries experience and background factors Among 8 to 11-Year-Old Students in Mashhad Schools</td>
<td>Banhashem Rad Seyed Ahmad, Sharifi Mahsa, Partovi Simin, Banhashem Rad Seyed Ali, Javan Rashid Abdollah, Campus Guglielmo</td>
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<td>Department of Restorative, Preventive and Pediatric Dentistry, School of Dental Medicine, University of Bern, Switzerland. Student Research Committee, School of Dentistry, Mashhad University of Medical Sciences, Mashhad, Iran; General Dentist, Mashhad, Iran; Pediatric Gastrointestinal Department, Ghahem Hospital, Mashhad University of Medical Science, Mashhad, Iran.; Department of Periodontics, School of Dentistry, Mashhad</td>
</tr>
</tbody>
</table>
13:00 Closing Ceremony

13:30 Lunch

14:30 Workshop on Research Integrity in Caries Research

This 2 hour workshop will empower participants to improve the transparency and reproducibility of (caries) research. Topics covered will be aspects of research planning, protocol registration, data management, reporting guidelines, peer review and some other principles of open science, including pre-publication. The workshop will be interactive and include hands-on activity and training and is relevant to all those with an interest in improving reporting transparency and research reproducibility, particularly those who are less familiar with the principles of Open Science or reporting guidelines. The workshop will be co-hosted by Prof. Max Cenci and Dr. Gráinne McNamara. Max Cenci is a clinical researcher in Dentistry from the Radboudumc (The Netherlands) and the Federal University of Pelotas (Brazil), and works with clinical research, knowledge synthesis and translation, and meta-research, including the promotion of open science practices and the use of tools to increase the transparency on dental research. Gráinne is the Research Integrity / Publication Ethics Manager for Karger Publishers, including the journal Caries Research, and will provide a publisher’s perspective on how to promote transparency and reproducibility in your publications and as a peer reviewer.”

Free for congress participants

This workshop is supported by Karger Publishers and ORCA

Max 50 participants

Registration page: click here

Registration QR code:
Congress Chair

Guglielmo Campus

Organising Committee


Organising Secretariat

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