

# SCIENTIFIC PROGRAMME

## THURSDAY - SEPTEMBER 15, 2022

<b>SEQ#: 1</b> <b>SYMPOSIUM</b> <b>8:30 - 10:00</b>			<b>AUDITORIUM - LEVEL 0</b>
<b>NEW DIRECTIONS IN DENTAL RESEARCH (SUPPORTED BY BSODR)</b> Chairperson: R. Waddington			
<b>Q005</b>	8:30	<b>Periodontal Infectogenomics: Does the Host Genome Affect the Subgingival Microbiota?</b> L. NIBALI* <i>(King's College, London, United Kingdom)</i>	
<b>Q006</b>	9:10	<b>Application of Artificial Intelligence to Head and Neck Pathology.</b> A. KHURRAM* <i>(University of Sheffield, Sheffield, United Kingdom)</i>	
	9:50	<b>Discussion</b>	
<b>SEQ#: 2</b> <b>ORAL SESSIONS</b> <b>8:30 - 10:00</b>			<b>SALLE 120 - LEVEL 0</b>
<b>HEALTH SERVICE RESEARCH</b> Chairpersons: I. Chestnutt and R. Harris			
<b>O001</b>	8:30	<b>Brushing RemInder 4 Good Oral Health Trial (BRIGHT) SMS Responses.</b> K. ROWLES, H. AINSWORTH, Z. MARSHMAN, S. EL-YOUSFI, C. FAIRHURST, C. JONES, I. KELLAR, M. ROBERTSON, E. TURNER, K. WHITESIDE, N. INNES* <i>(School of Dentistry, Cardiff University, Cardiff, United Kingdom)</i>	
<b>O002</b>	8:45	<b>Optimising Value-Based Preventive Dental Care.</b> C. BANNISTER, A. COPE, P. HARPER, A. KARKI, S. PEDDLE, B. WALTERS, I. CHESTNUTT* <i>(Dental Public Health, Cardiff University, Cardiff, Wales, United Kingdom)</i>	
<b>O003</b>	9:00	<b>Evaluation of an Oral Care Programme.</b> A. ALMSTÅHL*, C. KARLSSON, J. SKOOGH ANDERSSON <i>(Oral Microbiology and Immunology, Odontology, Gothenburg, Sweden)</i>	
<b>SO004</b>	9:15	<b>Exploring Awareness and Attitudes Towards Sustainable Dentistry at Semmelweis University.</b> V. PALOTAI*, K. VOLFFORD, C. ERDEI, F.A. VASS, K. MÁRTON, T. DEMETER <i>(Semmelweis University Faculty of Dentistry, Budapest, Hungary)</i>	



<b>SO005</b>	9:30	<b>Oral Health Interventions for Those Incarcerated, a Scoping Review.</b> A. BOOTH*, K. WANYONYI <i>(Centre for Dental Public Health and Primary Care, Queen Mary University of London, London, United Kingdom)</i>
<b>O006</b>	9:45	<b>Optimisation of a Complex Intervention Reducing Inequalities in Dental Visiting.</b> R. HARRIS*, V. LOWERS <i>(Public Health, Policy and Systems, The University of Liverpool, Liverpool, United Kingdom)</i>
<b>SEQ#: 3</b>		
<b>ORAL SESSION</b>		
<b>8:30 - 10:00</b>		<b>JOLIETTE - LEVEL 1</b>
<b>PULP BIOLOGY &amp; REGENERATION RESEARCH</b>		
<b>Chairpersons:</b> N. Attik and J. Farges		
<b>SO007</b>	8:30	<b>Delivery of Hemichannel Blocker for Topical Treatment of Pulpitis.</b> W.Y. LIM*, J.S. CHIN, L. MADDEN, D. BECKER <i>(National Dental Centre, Singapore, Singapore)</i>
<b>O009</b>	8:45	<b>Experimental Borosilicate Bioactive Glasses: Pulp Cells Behaviour and Mechanical Characterisation.</b> N. ATTIK*, F. LIZZI, C. GOUTAUDIER, P. JACKSON, I. CAMPBELL, S. RIZZO, B. GROSGOGEAT, C. VILLAT <i>(Université Claude Bernard, Lyon1, Faculté d'odontologie de Lyon, Lyon, France)</i>
<b>O010</b>	9:00	<b>An Innovative Hydrogel Incorporating Antibacterial Nanoparticles to Regenerate Dental Pulp.</b> M. BEKHOUCHE, F. CHARRIAUD, E. DAOU, M. BOLON, M. LAMRAYAH, A. COSTANTINI, S. GOBERT, M. PASDELOUP, B. VERRIER, B. ALLIOT-LICHT, M. DUCRET, J.-C. FARGES* <i>(Faculty of Odontology, University Lyon 1, Lyon, France)</i>
<b>O011</b>	9:15	<b>Autocrine Pulp Fibroblast Function Modulation via Complement C3a Local Production.</b> C. JEANNEAU*, T. GIRAUD, I. ABOUT <i>(Aix Marseille Université, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)</i>
<b>SO012</b>	9:30	<b>Dentin-Pulp Complex Regeneration: Towards a Paradigm Shift for Dental Practice.</b> F. MACHLA*, V. SOKOLOVA, V. PLATANIA, O. PRYMAK, K. KOSTKA, B. KRUSE, S. PASADAKI, K. ALPANTAKI, M. VIDAKI, M. CHATZINIKOLAIDOU, M. EPPLE, A. BAKOPOULOU <i>(Dentistry, Aristotle University of Thessaloniki, Heraklion, Greece)</i>
	9:45	<b>Discussion</b>



<b>SEQ#: 4</b>		
<b>ORAL SESSION</b>		
<b>8:30 - 10:00</b>		<b>ESTAQUE - LEVEL 1</b>
<b>PAEDIATRIC ORAL HEALTH RESEARCH</b>		
<b>Chairpersons:</b> A. Akcali and S. Ganbavale		
<b>O013</b>	8:30	<b>Sleep Disordered Breathing in Children - the Role of General Health and Clinical Oral Findings.</b> S. BLUMER, S. KURTZ, I. ELI, A. EMODI-PERLMAN* <i>(Oral Rehabilitation, Tel Aviv University Dental School, Herzeliya, Israel)</i>
<b>SO014</b>	8:45	<b>Synergistic Effects of SDF and Hypochlorite on Primary Dentine Lesions.</b> A. MOGILEVSKI*, P. ANDERSON, D. MILLS, M. KAUR, S. SHAHID <i>(Queen Mary University of London, London, United Kingdom)</i>
<b>O015</b>	9:00	<b>Piloting of an Individualized Dental Training Program for Autistic Children.</b> L. MYHREN, A. PAWLOWSKI* <i>(Oral Health Centre of Expertise Rogaland, Stavanger, Norway)</i>
<b>O016</b>	9:15	<b>The Association Between Multisystem Inflammatory Syndrome and Oral Health Status in Children.</b> A. AKCALI*, G. KILINC, N. BELET, S.Ö. ALATAS, B.C. UZUN SAYLAN, I.C. ARSLAN, A.Ç. GÜZİN <i>(Department of Periodontology, Faculty of Dentistry, Dokuz Eylul University, Izmir, Turkey)</i>
<b>SO017</b>	9:30	<b>Sugar, Environment, and Local Paediatric Dental Needs.</b> S. GANBAVALE*, C. LOUCA, L. TWIGG, K. WANYONYI-KAY <i>(University of Portsmouth Dental Academy, Portsmouth, United Kingdom)</i>
	9:45	<b>Discussion</b>



SEQ#: 5

## ORAL SESSION

8:30 - 10:00

GRAND LARGE - LEVEL 1

## DENTAL MATERIALS - CERAMICS

Chairpersons: B. Camargo and S. Čokić

SO019	8:30	<b>Effect of Air-Particle Abrasion on Reliability of Additively-Manufactured Zirconia Ceramics.</b> T. MIRT*, A. KOCJAN, R. BERMEJO, P. JEVNIKAR <i>(Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia)</i>
SO020	8:45	<b>CAD/CAM-Milled and 3D-Printed Monolithic Zirconia Crown Retention.</b> B. CAMARGO*, E. WILLEMS, M. PEUMANS, J. VLEUGELS, B. VAN MEERBEEK <i>(Department of Oral Health Sciences, BIOMAT &amp; University Hospitals Leuven (UZ Leuven), KU Leuven, Leuven, Belgium)</i>
SO021	9:00	<b>Wear Resistance of Multilayered Monolithic Zirconia Ceramics.</b> S. ČOKIĆ*, M. LI, B. CAMARGO, J. VLEUGELS, B. VAN MEERBEEK, F. ZHANG <i>(Department of Oral Health Sciences, BIOMAT &amp; UZ Leuven (University Hospitals Leuven), KU Leuven (University of Leuven), Leuven, Belgium)</i>
SO023	9:15	<b>A Novel Method for Pretreating Zirconia Resin-Bonded Fixed Dental Protheses.</b> T. MALGAJ*, A. ABRAM, A. KOCJAN, P. JEVNIKAR <i>(Department of Prosthodontics, Medical Faculty Ljubljana, Ljubljana, Slovenia)</i>
O024	9:30	<b>Fracture Strength Evaluation of CAD/CAM Endocrowns After Thermo-Mechanical Aging.</b> B. DIKICI, E. TÜRKES BASARAN, G. BARUT, N. DONMEZ, E. CAN SAY* <i>(Restorative Dentistry, Yeditepe University, Istanbul, Turkey)</i>
	9:45	<b>Discussion</b>

SEQ#: 6

## SYMPOSIUM

10:30 - 12:30

AUDITORIUM - LEVEL 0

## THE SCIENTIFIC EVIDENCE FOR THE USE OF HYDRAULIC CEMENTS IN CLINICAL ENDODONTICS (SUPPORTED BY SEPTODONT)

Chairperson: J. Camilleri

Q007	10:30	<b>Physical Properties and Characterization.</b> A. ATMEH* (MBRU, Dubai, United Arab Emirates)
Q008	11:05	<b>Biological Evaluations.</b> J. CAMILLERI* (University of Birmingham, Birmingham, United Kingdom)
Q009	11:40	<b>Clinical Evaluation.</b> N. MESCHI* (KU Leuven, Leuven, Belgium)
	12:15	<b>Discussion</b>



<b>SEQ#: 7</b>		
<b>SYMPOSIUM</b>		
<b>10:30 - 12:30</b>		<b>HALL MAJOR - LEVEL 2</b>
<b>CROSS-LINKED HYALURONIC ACID IN ORAL RECONSTRUCTIVE SURGERY (SUPPORTED BY REGEDENT)</b>		
<b>Chairperson:</b> V. Monnet-Corti		
<b>Q010</b>	10:30	<b>Cross-Linked Hyaluronic Acid: Biologic Background and Clinical Outlook in Periodontal Therapy.</b> A. SCULEAN* ( <i>University of Bern, Bern, Switzerland</i> )
<b>Q011</b>	11:05	<b>Periodontal Regeneration in Intrabony Defects with Combined Approach of Cross-Linked Hyaluronic Acid and Xenograft.</b> D. BOZIC* ( <i>University of Zagreb, Zagreb, Croatia</i> )
<b>Q012</b>	11:40	<b>Is Cross-Linked Hyaluronic Acid a Successful Molecule for a Successful GBR?</b> G. KHOURY* ( <i>Hôpital Rotshild, Paris, France</i> )
	12:15	<b>Discussion</b>
<b>SEQ#: 8</b>		
<b>ORAL SESSION</b>		
<b>10:30 - 12:30</b>		<b>SALLE 120 - LEVEL 0</b>
<b>BIOACTIVE RESTORATIVE MATERIALS</b>		
<b>Chairpersons:</b> A. Baysan and D. Marovic		
<b>O025</b>	10:30	<b>Ion-Release and Antibacterial Properties of Copper-Doped Bioactive Glass Containing Composites.</b> D. MAROVIC*, R. SIMM, A. MUNIR, K. ZHENG, M. PAR, A. BOCCACCINI, Z. TARLE, H. HAUGEN ( <i>Department of Endodontics and Restorative Dental Medicine, University of Zagreb, School of Dental Medicine, Zagreb, Croatia</i> )
<b>SO026</b>	10:45	<b>Anti-Bacterial Composite Inhibits Growth of Salivary Bacteria: an Ex-Vivo Study.</b> O. ENOCH*, E. WEISS, S. MATALON, M. DEKEL-STEINKELLER ( <i>Tel-Aviv University, Beit-Zait, Israel</i> )
<b>SO027</b>	11:00	<b>Effect of Particle Size on Bioactivity of Novel Dental Composite.</b> H. KHALID*, F. WONG, S. SHAHID, R. HILL ( <i>Physical Sciences Unit, Queen Mary University of London, Hornchurch, United Kingdom</i> )
<b>SO028</b>	11:15	<b>Essential Role of HEMA in Remineralisation of Resin-Based Cements.</b> B. ALSHEHRI*, M. PATEL, N. KARPUKHINA ( <i>Queen Mary University of London, London, United Kingdom</i> )
<b>O029</b>	11:30	<b>Mechanical Properties of Experimental Composites with a Customized Bioactive Glass.</b> M. PAR*, L. PLANCAK, L. RATKOVSKI, T.T. TAUBÖCK, D. MAROVIC, T. ATTIN, Z. TARLE ( <i>University of Zagreb, School of Dental Medicine, Zagreb, Croatia</i> )



<b>SO030</b>	11:45	<b>Effect of Ion-Releasing Materials on Dentine Surface Microhardness and Appearance.</b> I. ŠALINOVIĆ*, F. SCHWENDICKE, H. ASKAR, J. YASSINE, I. MILETIC ( <i>University of Zagreb, School of Dental Medicine, Zagreb, Croatia</i> )
<b>O031</b>	12:00	<b>The Remineralizing Effects of Fissure Sealants Containing Bioactive Glass.</b> G.A. BAYRAKTAR, S. YÜCEL, A.C. ÖZARSLAN, P. KINAY TARAN* ( <i>Pediatric Dentistry, Bezmialem Vakif University, Faculty of Dentistry, Istanbul, Turkey</i> )
<b>O032</b>	12:15	<b>Qualification of Ion-Exchanges with Bioactive GIC Restoration on Root Caries.</b> G. DAVIS, H. CHEN, D. MILLS, A. BAYSAN* ( <i>Oral Bioengineering, Barts and the London School of Medicine and Dentistry, London, United Kingdom</i> )

**SEQ#: 9****ORAL SESSION****10:30 - 12:30****JOLIETTE - LEVEL 1****GERIATRIC ORAL RESEARCH & DIAGNOSTIC SCIENCES****Chairpersons:** E. Alexakou, and R. Richert

<b>SO033</b>	10:30	<b>“Inflammageing” on Human Oral Cells: Correlation With Age-Related Diseases?</b> E. ALEXAKOU*, A. BAKOPOULOU, D.A. APATZIDOU, A. KRITIS, A. MALOUI, V. ANASTASSIADOU ( <i>Dental School, Aristotle University of Thessaloniki (A.U.TH.), Thessaloniki, Greece</i> )
<b>SO034</b>	10:45	<b>Periapical and Endodontic Status Among 65-Year-Olds in Oslo, Norway.</b> M. DIEP*, L. HOVE, D. ØRSTAVIK, A.T. SØDAL, R. SKUDUTYTE-RYSSTAD, P. SUNDE ( <i>University of Oslo, Oslo, Norway</i> )
<b>O035</b>	11:00	<b>Effects of Experimental Nanohydroxyapatite and Er:YAG Laser on Dentin Hypersensitivity.</b> D. SAHIN*, C. DEĞER, B. OGLAKCI, M. DEMIRKOL, B.O. KUCUKYILDIRIM, M. GÜRSEL, E. DAOU ( <i>Department of Periodontology, Bezmialem Vakif University, Istanbul, Fatih, Turkey</i> )
<b>SO036</b>	11:15	<b>Occlusion: a Key Parameter in the Construction of Patient-Specific Models.</b> R. RICHERT*, S. VALETTE, J.-C. FARGES, J. MOLIMARD, P. BOISSE, M. DUCRET ( <i>Restorative Dentistry &amp; Endodontics, Lyon Dental Hospital, Lyon, France</i> )
<b>SO037</b>	11:30	<b>Artificial Intelligence for the Prediction of Oral Health From Breath.</b> M. HAIEK*, Y. HOURI-HADDAD, E. WEISS, H. HAICK, D. MAHAJNA, I. COHEN, S. MASARWI ( <i>Prosthodontics, The Hebrew University of Jerusalem, Shefaram, Israel</i> )



<b>0038</b>	11:45	<b>Annotation Accuracy and Calculus Detection on Radiographs Using Deep Learning.</b> M. DUCHRAU*, J. KROIS, F. SCHWENDICKE <i>(Oral Diagnostics, Digital Health, Health Services Research, Charite - Universitaetsmedizin Berlin, Berlin, Germany)</i>
<b>SO039</b>	12:00	<b>DMFT Index Evaluation Using Deep Learning on Panoramic Radiographs.</b> P. RASKEVIČIUS*, I. STANKEVICIENE, D. PADVELSKIS, L. STANGVALTAITE - MOUHAT, L. NAKTINIS, G. KLIMANTAVICIUTE, A. PURIENE <i>(Institute of Dentistry, Vilnius University, Vilnius, Lithuania)</i>
<b>0040</b>	12:15	<b>Individualized Application of AI Combined with Micro-Invasive Caries Treatment Was Cost-Effective.</b> F. SCHWENDICKE*, J. CEJUDO DE GRANO DE ORO, A. GARCIA CANTU, H. MEYER-LUECKEL, A. CHAURASIA, J. KROIS <i>(Oral Diagnostics, Digital Health, Health Services Research, Charite - Universitaetsmedizin Berlin, Berlin, Germany)</i>
<b>SEQ#: 10</b>		
<b>ORAL SESSION</b>		
<b>10:30 - 12:30</b>		<b>ESTAQUE - LEVEL 1</b>
<b>PERIODONTOLOGY AND PHARMACOLOGY</b>		
<b>Chairpersons:</b> A. Dhariwal and C. Sfeir		
<b>0041</b>	10:30	<b>Local Delivery to Modulate Host Response as Potential Periodontitis Treatment.</b> M. SHEHABELDIN, Y. KI, J. GAO, C. SFEIR* <i>(Periodontics and Preventive Dentistry, University of Pittsburgh, Pittsburgh, Pennsylvania, USA)</i>
<b>SO042</b>	10:45	<b>Age Related Attenuation of Apical-Periodontitis Development in Mice and Humans.</b> E. GOLDMAN*, R. SHIMON, E. REICH, B. ROSHIHOTZKI, M. SAKETKHOUS, S. WALD, A. GOLDSTEIN, Y. KLEIN, I. ABRAMOVITZ, M. KLUTSTEIN <i>(Institution of Dental Sciences, Hebrew University, Jerusalem, Israel)</i>
<b>0043</b>	11:00	<b>Correlation Between Clinical Variables and Subgingival Microbiota.</b> A. ARREDONDO*, G. ÁLVAREZ, S. ISABAL, C. MOR, J. NART, V. BLANC, R. LEÓN <i>(Department of Microbiology, DentaId Research Center, Cerdanyola del Vallès, Spain)</i>
<b>SO044</b>	11:15	<b>A Large-Scale Meta-Omics Analysis of Plaque Microbiome for Periodontal Diagnosis.</b> A. REGUEIRA IGLESIAS*, T. BLANCO-PINTOS, M. RELVAS, M. ALONSO-SAMPEDRO, C. Balsa-CASTRO, I. TOMÁS <i>(Oral Sciences Research Group, Department of Surgery and Medical-Surgical Specialties, Universidade de Santiago de Compostela, Health Research Institute Foundation of Santiago (FIDIS), Santiago de Compostela, A Coruña, Spain)</i>



<b>SO045</b>	11:30	<p><b>The Salivary Microbiome for Discriminating Periodontal Conditions: a Meta-Omics Analysis.</b></p> <p>T. BLANCO-PINTOS*, A. REGUEIRA IGLESIAS, M. RELVAS, M. ALONSO-SAMPEDRO, C. BALSACASTRO, I. TOMÁS</p> <p><i>(Oral Sciences Research Group, Department of Surgery and Medical-Surgical Specialties, Universidade de Santiago de Compostela, Health Research Institute Foundation of Santiago (FIDIS), Santiago de Compostela, A Coruña, Spain)</i></p>
<b>SO046</b>	11:45	<p><b>Parabiotic Generation Using Ultrasound From <i>L. Rhamnosus</i> and <i>L. Reuteri</i> Probiotics.</b></p> <p>C. FARRUGIA*, A. ANDREOU, V. VALDRAMIDIS</p> <p><i>(Bristol Dental School, University of Bristol, Bristol, United Kingdom)</i></p>
<b>SO047</b>	12:00	<p><b>Impact of Long-Term Amoxicillin Treatment on the Gut Microbiome and Resistome.</b></p> <p>A. DHARIWAL*, F. PETERSEN</p> <p><i>(Dentistry, Oral Biology, Oslo, Norway)</i></p>
<b>SO048</b>	12:15	<p><b>The Impact of Ampicillin on the Oral Microbiome and Resistome.</b></p> <p>N.K. BRAR*, A. DHARIWAL, H.A. ÅMDAL, R. JUNGES, G. SALVADORI, F. PETERSEN,</p> <p><i>(Institute of Oral Biology of Oslo University, Oslo, Norway)</i></p>

SEQ#: 11

**ORAL SESSION**

10:30 - 12:30

GRAND LARGE - LEVEL 1

**ORTHODONTICS RESEARCH**

Chairpersons: A. Mesaros and C. Zong

<b>O049</b>	10:30	<p><b>Assessment of Early Orthodontic Treatment Need Indicators on Transylvanian Children.</b></p> <p>A. MESAROS*, A. MUNTEAN</p> <p><i>(Dental Propaedeutics and Aesthetics, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania)</i></p>
<b>SO050</b>	10:45	<p><b>Biomimetic Calcium Phosphate Coating on Medical Grade Stainless Steel.</b></p> <p>M. LI*, M. WANG, L. WEI, A. WERNER, Y. LIU</p> <p><i>(Department of Oral Cell Biology, Academic Center for Dentistry Amsterdam, Amstelveen, Netherlands)</i></p>
<b>SO051</b>	11:00	<p><b>Periodontal Ligament Stem Cells Protected Alveolar Bone During Tooth Movement.</b></p> <p>C. ZONG*, A. BRONCKAERS, G. WILLEMS, M. CADENAS DE LLANO PÉRULA <i>(KU Leuven, Leuven, Belgium)</i></p>
<b>SO052</b>	11:15	<p><b>Genetic Variants of American-European Families with Class-III Phenotype: an Update.</b></p> <p>A. DEHESA-SANTOS*, R. YAÑEZ-VICO, P. IBER-DIAZ, A. IGLESIAS-LINARES</p> <p><i>(Complutense University of Madrid, Madrid, Madrid, Spain)</i></p>





<b>SO053</b>	11:30	<b>Age-Related Changes in Facial Soft Tissues and Muscle Pressure.</b> A. RAJBHOJ*, H. MATTHEWS, K. DOUCET, P. CLAES, G. BEGNONI, G. WILLEMS, M. CADENAS DE LLANO PÉRULA <i>(Orthodontics, KU Leuven, Leuven, Belgium)</i>
<b>SO054</b>	11:45	<b>The Molecular Mechanism Underlying Orthodontic Relapse.</b> Y. KHOURY*, N. PINTO, G. MIZRAHI, Y. KLEIN, S. CHAUSHU <i>(Orthodontics, The Hebrew University- Hadassah School of Dental Medicine, Jerusalem, Israel)</i>
<b>SO055</b>	12:00	<b>The Unrecognized Mechanism of B-Cells Activation in Response to Orthodontic Forces.</b> Y. KLEIN*, G. MIZRAHI, N. PINTO, Y. KHOURY, O. FLEISSIG, S. CHAUSHU <i>(Orthodontics, The Hebrew University - Hadassah school of Dental Medicine, Jerusalem, Israel)</i>
<b>O056</b>	12:15	<b>Retentive Strength of Orthodontic Brackets Bonded to 3D-Printed vs. Milled Materials.</b> A. BIADSEE, M. ADAWI*, M. BARHUM, J. BARBRA, S. LEVARTOVSKY <i>(Tel Aviv University, Turaan, Israel)</i>



SEQ#: 12

POSTER SESSION

12:00 - 13:00

POSTER HALL - LEVEL 0

## PRESENTER AT POSTER

Free poster viewing from 8:30 - 17:30

## BEHAVIORAL, EPIDEMIOLOGIC AND HEALTH SERVICES RESEARCH

P100	<p><b>Life-Threatening Reactions Related to Polyethylene Glycol in Dental Biomaterials.</b></p> <p>L. BJÖRKMANN*, T.L.L. BERGE, K. HATLEBERG, B. LUNDEKVAM, A. BERGSTØ  <i>(Dental Biomaterials Adverse Reaction Unit, NORCE, Bergen, Norway)</i></p>
P102	<p><b>Correlation Between Phobia of Vomiting, Gag-Reflex, and Dental Anxiety.</b></p> <p>E. GILON*, I. BAR, N. EDRI, I. ELI, N. UZIEL  <i>(Department of Oral Rehabilitation, Unit of Behavioral Sciences, Tel-Aviv University, Mazkeret Batya, Israel)</i></p>
SP103	<p><b>Persistent COVID-19 Oral Manifestations and Oral-Health Quality of Life.</b></p> <p>P. TERCEÑO*, N. ESCRIBANO, M.V. FUENTES, L. CEBALLOS GARCÍA, P. MORO-LOPEZ-MENCHERO, I. CANCELA-CILLERUELO, J. RODRIGUEZ-JIMENEZ, C. FERNÁNDEZ DE LAS PEÑAS  <i>(Rey Juan Carlos University, Madrid, Spain)</i></p>
P104	<p><b>Immigrant Parents' Knowledge and Attitudes Related to Children's Sugar Snacking.</b></p> <p>A. NORDREHAUG ÅSTRØM*, L. HASSELGREN, M. MUSTAFA  <i>(Clinical Dentistry, University of Bergen, Bergen, Norway)</i></p>
P105	<p><b>Development of a Gum-Related Quality of Life Measure.</b></p> <p>T. BROOMHEAD*, B. GIBSON, C. PARKINSON, M. VETTORE, S. BAKER  <i>(The University of Sheffield, Sheffield, United Kingdom)</i></p>
SP106	<p><b>Access to Orthodontic Treatment Among Children by Household-Income in Norway.</b></p> <p>N. JIANG*, I. SKAU, J. GRYTEN, J. KINGE  <i>(Faculty of Dentistry, Community dentistry, Oslo, Norway)</i></p>
P107	<p><b>Interest in Oral Cancer on Internet in Europe.</b></p> <p>R. LAN*, D. TARDIVO, F. CAMPANA, J.-N. VERGNES, J.-H. CATHERINE, M. HADJ-SAID  <i>(Oral surgery, Aix-Marseille University, Marseille, France)</i></p>



<b>DENTAL MATERIALS: CERAMIC-BASED MATERIALS</b>	
<b>SP108</b>	<b>Biocompatibility, Physical and Chemical Analysis of Calcium Silicate-Based Endodontic Sealers.</b> A. JANINI, J. BOLDIERI, L. PELEPENKO*, T. FRANCATI, V. DOS SANTOS, B. GOMES, M. MARCIANO <i>(Endodontics, Piracicaba Dental School - FOP-Unicamp, Piracicaba, Brazil)</i>
<b>SP109</b>	<b>Fracture Resistance of CAD/CAM Ceramic Restorations with Different Cementation Strategies.</b> N. PONGAM*, P. PONGPRUEKSA, K. SUPUTTAMONGKOL <i>(Operative Dentistry and Endodontics, Mahidol university, Bangkok, Thailand)</i>
<b>SP110</b>	<b>Mirco-Tensile Bond-Strength of Zirconia and Lithiumdisilicate Manufactured by Printing and Milling.</b> A. KESSLER*, T. REICHERT, A. LIEBERMANN, D. KAISARLY <i>(Department of Conservative Dentistry and Periodontology, University Hospital, LMU Munich, Munich, Germany)</i>
<b>P111</b>	<b>Effect of Firing Process on Accuracy of Machinable LDS Blocks.</b> Y. HOKII*, K. YAMAMOTO, F. FUSEJIMA <i>(Research &amp; Development Dept., GC Corporation, Itabashi-ku, Tokyo, Japan)</i>
<b>P113</b>	<b>Effects of Different UV-C Irradiations on Dental Zirconia.</b> J.K.-H. TSOI*, F. PAN <i>(The University of Hong Kong, Sai Ying Pun, Hong Kong)</i>
<b>SP193</b>	<b>Low-Temperature Degradation of Surface-Treated 3Y, 4Y and 5Y Zirconia Ceramics.</b> T. TRAVNŠEK*, T. MIRT, A. KOCJAN, P. JEVNIKAR <i>(Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia)</i>
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<b>P114</b>	<b>Fracture Patterns of NiTi Endodontic Files After Clinical Use.</b> B. OZEL*, P. ANDERSON <i>(Endodontics, Yeditepe University, Istanbul, Turkey)</i>
<b>SP115</b>	<b>Characterization of the new Titanium Alloy Ti-20Zr-3Mo-3Sn for Dental Implants.</b> E. LEFRANÇOIS*, Y. BÉDOUIN, T. GLORIAN, D. GORDIN <i>(Univ Rennes, INSA Rennes, CNRS, ISCR UMR 6226,, Rennes, France)</i>



**DENTAL MATERIALS: BIOCOMPATIBILITY, BIOENGINEERING AND BIOLOGIC EFFECTS OF MATERIALS**

<b>P116</b>	<p><b>The Ex-Vivo Study of Bioactive Glasses in Different Carriers.</b>  A. TRAN, P. SENAWONGSE, H. SRITANAUDOMCHAI, N. RUANGSAWASDI, P. LAPHANASUPKUL, N. KITKUMTHORN, N. MONMATURAPOJ, P. PONGPRUEKSA*  <i>(Department of Operative Dentistry and Endodontics, Mahidol University, Faculty of Dentistry, Bangkok, Thailand)</i></p>
<b>SP117</b>	<p><b>Promising Pro-Osteogenic Effect of a Novel Nanoemulsion Loaded with Hesperitin.</b>  M.J. MANCINI IMBRIANI*, P. MAQUERA HUACHO, J. DUARTE, M. CHORILLI, D. PALOMARI SPOLIDORIO  <i>(School of Dentistry, São Paulo State University (Unesp), Araraquara, Brazil)</i></p>
<b>SP119</b>	<p><b>Cytotoxicity, Debris and Smear Layer Removal Efficacy of Super-Oxidized Water.</b>  G. BILVINAITE*, S. DRUKTEINIS, V. BUKELSKIENE  <i>(Institute of Dentistry, Faculty of Medicine, Vilnius University, Vilnius, Lithuania)</i></p>
<b>SP120</b>	<p><b>Hesperitin-Loaded Nanofibers Suppresses Inflammatory Response of Macrophages and Keratinocytes.</b>  P. MAQUERA HUACHO*, M.J. MANCINI IMBRIANI, D. PALOMARI SPOLIDORIO, D. GRENIER  <i>(Department of Physiology and Pathology, School of Dentistry, São Paulo State University (UNESP), Araraquara, Sao Paulo, Brazil)</i></p>
<b>P121</b>	<p><b>Strategies to Optimize Bone Regeneration in 3D Printed Scaffolds.</b>  S. RAYMOND, M. BONANY, C. LEHMANN, E. THOREL, R. BENITEZ, J. FRANCH, M. ESPANOL, X. SOLÉ-MARTÍ, A. RIVEIRO, J. POU, M.-C. MANZANARES-CÉSPEDES*, C. CANAL, M.-P. GINEBRA  <i>(Human Anatomy and Embryology Unit. Experimental Pathology and Therapeutics Department, University of Barcelona, Hospitalet, Barcelona, Spain)</i></p>
<b>SP124</b>	<p><b>Characteristics and Biological Considerations of Newly Developed NanoFA-Based Dental Composite.</b>  W. AL-OMAIRI*, A. WERNER, M. GERMAN, A. AL-TAIE, D. WOOD  <i>(Faculty of medical science, Newcastle Upon Tyne University, Bioscience, Newcastle Upon Tyne, United Kingdom)</i></p>
<b>SP192</b>	<p><b>Endodontics Sealers Modulate the Periodontal Ligament Pro-Inflammatory Activity.</b>  J.-H. CATHERINE*, T. GIRAUD, C. JEANNEAU, I. ABOUT  <i>(Aix Marseille Université, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)</i></p>
<b>P193</b>	<p><b>Rapid 3s Curing: Effect on Mechanical Properties of Bulk-Fill Composites.</b>  M. MACAN, V. NEGOVETIC MANDIC*, M. PAR, Š. LUKA, Š. BRUNO, Z. TARLE, A. MAROŠEVIĆ, D. MAROVIĆ  <i>(Department of Endodontics and Restorative Dentistry, School of Dental Medicine, University of Zagreb, Zagreb, Croatia)</i></p>



<b>DENTAL MATERIALS: INSTRUMENTS AND EQUIPMENT</b>	
<b>SP126</b>	<p><b>SWEEPS in Removing Bioceramic Sealer Remnants From Oval Root Canals.</b>            G. KAPETANOVIC PETRICEVIC*, M. KATIĆ, I. ANIĆ, I. BAGO  <i>(Department of Endodontics and Restorative Dental Medicine, School of Dental Medicine University of Zagreb, Zagreb, Croatia)</i></p>
<b>CARIOLOGY RESEARCH-CLINICAL &amp; EPIDEMIOLOGICAL STUDIES</b>	
<b>SP127</b>	<p><b>The Use of Bulk-Fill Composites Until 2019 in Oulu, Finland.</b>            H. APPEL, M. KONTTIJÄRVI, K. LEINONEN, H. VÄHÄNIKKILÄ, M.-L. LAITALA, J. LEINONEN, T. TANNER*  <i>(Research Unit of Oral health Sciences, University of Oulu, Oulu, Finland)</i></p>
<b>SP128</b>	<p><b>Dental Staff's Experiences of Patients' Successful Behavioral Changes in Caries Prevention.</b>            A. ALVENFORS*, P. LINGSTRÖM, C. MILTON, E. OSKARSSON, J. BERNSON  <i>(Department of Cariology, University of Gothenburg, The Sahlgrenska Academy, Institute of Odontology, Göteborg, Sweden)</i></p>
<b>SP129</b>	<p><b>Health-Associated Factors Against Caries in Caries Free Adults - an Interview Study.</b>            C. FABRICIUS*, A. ALVENFORS, A. ALMSTÅHL, P. LINGSTRÖM  <i>(Department of Cariology, University of Gothenburg, The Sahlgrenska Academy, Institute of Odontology, Gothenburg, Sweden)</i></p>
<b>CARIOLOGY RESEARCH-DEMINERALIZATION/REMINERALIZATION</b>	
<b>SP131</b>	<p><b>Effects of Self-Assembling Peptide P11-4, CPP-ACP, 58S5 Bioactive Glass and Fluoride on Artificial Enamel Caries Lesions <i>in Vitro</i>.</b>            Ç. YELOĞLU*, E. MUHTAR, A. SARIALIOGLU GUNGOR  <i>(Dentistry, Bezmialem Vakif University, Istanbul, Turkey)</i></p>
<b>SP133</b>	<p><b>Cannabinoids as a Natural Non-Invasive Alternative for Decay-Intervention.</b>            A. WOLFOVIZ ZILBERMAN*, Y. HOURI-HADDAD, N. BEYTH  <i>(Faculty of Dental Sciences, Hebrew University-Hadassah School of Dental Medicine, Ness-Ziona, Israel)</i></p>
<b>CARIOLOGY RESEARCH-FLUORIDE &amp; CA-BASED PRODUCTS</b>	
<b>SP134</b>	<p><b>Impact of Different Toothpaste-Formulations on Salivary Fluoride and Calcium Concentrations.</b>            A. ALSHABEEB*, U. ALMHÖJD, Y. ICHIZUKA, P. LINGSTRÖM  <i>(Department of Cariology, Institute of Odontology, Gothenburg, Sweden)</i></p>

CARIOLOGY RESEARCH-MICROBIOLOGICAL STUDIES/BIOFILM	
SP135	<b>Antimicrobial Activity of Topical Potassium Iodide and Silver Solutions.</b> M. KAUR*, A. STEPHEN, F. WONG, P. ANDERSON, S. SHAHID <i>(Institute of Dentistry, Queen Mary University of London, London, United Kingdom)</i>
SP138	<b>The Influence of Sucrose on a Multi-Kingdom Cariogenic Biofilm.</b> K. ALMANSOUR*, D. MOYES, A. BANERJEE <i>(Centre for Oral, Clinical and Translational Sciences, King's College London, London, United Kingdom)</i>
SP140	<b>EPS-Rich Biofilm Does not Modify Chlorhexidine Antimicrobial Effect.</b> L. PAGOTTO*, A.P. RICOMINI FILHO, J. CURY <i>(Department of Biosciences, Piracicaba Dental School, FOP-UNICAMP, Piracicaba, Brazil)</i>
SP141	<b>Analyses of Herbal Toothpaste's Antimicrobial Efficacy: in Vitro Study.</b> S. MESELI*, B. AKSU, E. ALKAN, N. KORKMAZ, D. TAĞTEKIN, F. YANIKOGLU <i>(Department of Restorative Dentistry, Marmara University Faculty of Dentistry, Istanbul, Turkey)</i>
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P142	<b>Treatment of an Endo-Periodontal Lesion in an Uncontrolled Diabetic Patient.</b> C. SADOWSKI*, A. ANTEZACK, R. OHANESSIAN, M. FAURE-BRAC, A. BRINCAT, V. MONNET-CORTI <i>(Periodontology, Aix Marseille University, Marseille, France)</i>
SP143	<b>Recalcitrant Sinusitis of Odontogenic Origin.</b> A. RAKAUSKAITE*, R. RAUBAITE, D. RAUBA, D. SUKYTE-RAUBE, D. MATKEVIČIUS <i>(Faculty of Medicine, Vilnius University, Vilnius, Lithuania)</i>
SP144	<b>Multidisciplinary Management of Anterior Polydiastema: a Case Report.</b> S. ÖZMEN*, Ç. DOĞAN, P. YILMAZ ATALI, L. KURU <i>(Restorative Dentistry, Marmara University Faculty of Dentistry, Istanbul, Turkey)</i>
SP145	<b>The Third Molar Autotransplantation: 4 Case Series.</b> A. AKTI, S. KOYUNCU*, G. GURSES, A. ATASEVEN, E. DURMUS <i>(Oral and Maxillofacial Surgery, Selcuk university faculty of dentistry, Konya, Turkey)</i>
SP146	<b>Molar-Incisor-Hypomineralization (MIH) Conservative Treatment of Affected Teeth: a Case Report.</b> K. HANSCHO*, L. KQUIKU-BIBLEKAJ, A. BEHLAU, K. GLOCKNER <i>(Medical University of Graz, Graz, Austria)</i>
SP148	<b>The Use of Direct Composites in Repair of Broken Teeth.</b> A.K. OZKAN*, A.R. CETIN, E.R. DURAK <i>(Restorative Dentistry, Selcuk University, Konya, Turkey)</i>
SP199	<b>Treatment of Tongue Arterio-Venous Malformation (AVM) with Dye-Laser: 36-Month Follow-up.</b> L. ESPOSITO*, N.G. ARMOGIDA, M. CERNERA, E. CALABRIA, F. IACULLI, G. SPAGNUOLO <i>(University of Naples "Federico II", Naples, Italy)</i>

DIAGNOSTIC SCIENCES	
SP150	<p><b>Confirmation Bias of Dentists Using Artificial Intelligence for Caries Detection.</b></p> <p>J. WIESNER, L. ARSIWALA-SCHEPPACH, A. KRASOWSKI*, J. KROIS, F. SCHWENDICKE</p> <p><i>(Department of Oral Diagnostics, Digital Health and Health Services Research, Charité - Universitätsmedizin Berlin, Berlin, Germany)</i></p>
EDUCATION RESEARCH	
P152	<p><b>Influencing Factors on Students' Performance Using a Preclinical Endodontic Analytic Rubric.</b></p> <p>N. ESCRIBANO*, M.V. FUENTES, V. BELLIARD, D. DA SILVA, B. BARACCO, L. CEBALLOS</p> <p><i>(IDIBO Research group, Rey Juan Carlos University, Alcorcón, Madrid, Spain)</i></p>
E-ORAL HEALTH NETWORK	
P154	<p><b>Web-Based Program Reduced Dental Anxiety in Lithuanian and Norwegian Adults.</b></p> <p>L. STANGVALTAITE-MOUHAT*, I. STANKEVICIENE, S.S. MARTINUSSEN, V. SABATAITIS, C. SANDJORD, I. TORESEN, M. STOLTENBERG TRYGGESTAD, A. PURIENE, J.-A. JOHNSEN</p> <p><i>(Oral Health Center of Expertise in Eastern Norway, Oslo, Norway)</i></p>
PULP BIOLOGY & REGENERATION RESEARCH	
SP155	<p><b>45kHz Ultrasound Influences Endothelial Cell Growth and Gene Expression.</b></p> <p>L. SHRIANE*, B. SCHEVEN, R. SHELTON, A. WALMSLEY</p> <p><i>(University of Birmingham, Birmingham, United Kingdom)</i></p>
SP156	<p><b>Structural Characterization of Human Dental Pulp Tissue Using Multiphoton Microscopy.</b></p> <p>S. GARRABÉ*, S. PIGLIONICO, T. CLOITRE, B. LEVALLOIS, C. GERGELY, F. CUISINIER, I. PANAYOTOV</p> <p><i>(Université de Montpellier, Montpellier, Hérault, France)</i></p>
P157	<p><b>The Isolation and Characterisation of Ovine Dental Pulp Stromal Cells.</b></p> <p>I. LAMBRICHTS*, M. EZELDEEN, T. VANGANSEWINKEL, M. LO MONACO, P. GERVOIS, F. HONTOIR, J.-M. VANDEWEERD, R. JACOBS, E. WOLFS, A. BRONCKAERS</p> <p><i>(Cardio &amp; Organ Systems, BIOMED, Faculty of Medicine and Life Sciences, Hasselt University, Hasselt, Belgium)</i></p>
SP158	<p><b>Morphometric Study of Incisors Dental Pulp of Ovine Preclinical Model.</b></p> <p>G. EMS, L. SEVERINO*, J.-F. NISOLLE, C. NICAISE, J.-M. VANDEWEERD, I. LAMBRICHTS, A. BRONCKAERS, M. LO MONACO, F. HONTOIR</p> <p><i>(URVI-OASIS-Narilis, University of Namur, Namur, Namur, Belgium)</i></p>



SP159	<p><b>Vital Pulp Treatment (VPT) Application – Commonality Across Clinician Groups?</b> S. CUSHLEY*, F. LUNDY, M. CLARKE, H. DUNCAN, P. TOMSON, I. EL-KARIM (<i>Queen's University, Belfast, United Kingdom</i>)</p>
SP160	<p><b>Multicomponent Peptide Hydrogel Culture of DPSCs to Assess Anti-Inflammatory Properties.</b> A. MORWOOD*, I. EL-KARIM, S. CLARKE, I. ABOUT, F. LUNDY (<i>Wellcome Wolfson Institute for Experimental Medicine, School of Medicine, Dentistry and Biomedical Sciences, Queen's University, Belfast, United Kingdom</i>)</p>
P161	<p><b>Effect of Restoration on Electric Pulp Tester Stimulus in Pulpotomized Tooth.</b> V. KUMAR*, A. CHOPRA, S. SHARMA, A. CHAWLA, S. JAIN, A. LOGANI (<i>Conservative Dentistry and Endodontics, All India Institute of Medical Sciences, New Delhi, Delhi, India</i>)</p>
P162	<p><b>Human Dental Pulp Cells Release the Alarmin Adenosine Triphosphate (ATP).</b> O. DUNNE*, L. MCGARVEY, I. EL KARIM, S. MARTIN, G. SERGEANT, I. ABOUT, F. LUNDY (<i>Wellcome-Wolfson Institute for Experimental Medicine, School of Medicine, Dentistry and Biomedical Sciences, Queen's University Belfast, Belfast, United Kingdom</i>)</p>
SP195	<p><b>Osteogenic Differentiation Potential of Diabetic Human Dental Pulp Stem Cells.</b> H. ALHARBI*, J. MEADE, T. LI, H. PANDIT, E. JONES, R. EL-GENDY (<i>Division of Oral Biology, School of Dentistry, Faculty of Health &amp; Medicine,, University of Leeds, Leeds, United Kingdom</i>)</p>
<b>SALIVARY RESEARCH</b>	
P163	<p><b>Saliva Composition in Dental Caries and Oral Cancer Using (FT-IR) Spectroscopy.</b> U. ALMHÖJD*, A. ALMSTÅHL (<i>Cariology, Odontology, Gothenburg, Sweden</i>)</p>
P164	<p><b>Saliva Improves in Vitro Protein Digestibility of Buriti-Containing Yoghurt.</b> Y. SANTOS, F. VANIN, S. LE FEUNTEUN, M. MORZEL* (<i>STLO, INRAE, Institut Agro Rennes-Angers, Rennes, France</i>)</p>





ORAL MEDICINE & PATHOLOGY RESEARCH	
SP165	<p><b>Evaluation of Mandibular Bone Density in Bruxers on Panoramic Radiographs.</b> E. CASAZZA*, B. BALLESTER, C. PHILIP-ALLIEZ, A. RASKIN <i>(School of Dentistry, Aix-Marseille University, Marseille, France)</i></p>
P166	<p><b>Association Between EBV Infection and Risk Factors in OSCC Patients.</b> D. RUNGRAUNGRAYABKUL*, P. LAPTHANASUPKUL, N. KITKUMTHORN, S.-O. PIBOONNIYOM KHOVIDHUNKIT <i>(Oral Medicine and Periodontology, Faculty of Dentistry, Mahidol University, Bangkok, Thailand)</i></p>
SP167	<p><b>Salivary Mucoepidermoid Carcinoma: a Clinicopathological Study of 38 Cases.</b> M.E. PÉREZ-DE-OLIVEIRA*, V. WAGNER, V. ZANELLA, P. ALEIXO, L. BINGLE, M. MARTINS, P. VARGAS <i>(Department of Oral Diagnosis, State University of Campinas, Piracicaba, São Paulo, Brazil)</i></p>
SP168	<p><b>Delayed Post-Extraction Healing in Mice Lacking Initial Oral Mucosal Lymphatics.</b> A. VIRTEJ*, L. MARTI, M. WAGNER, H. WIIG, Y. XUE, A. BLETSÅ, E. BERGGREEN <i>(Oral Surgery, University of Bergen, Haukeland University Hospital, Bergen, Norway)</i></p>
P169	<p><b>Salivary Opiorphin Levels After Capsaicin Stimulation in Orofacial Pain Patients and Controls.</b> I. ALAJBEG*, Y. BOUCHER, I. ORABOVIĆ, K. NAKA, A. MRLA, E. VRBANOVIĆ, I. ALAJBEG <i>(School of Dental Medicine, University of Zagreb, Zagreb, Croatia)</i></p>
SP170	<p><b>COVID-19 Infection Does not Worsen Symptoms of Temporomandibular Disorders.</b> E. VRBANOVIĆ*, I. ALAJBEG, M. ZLENDIĆ, I. ALAJBEG <i>(Department of Removable Prosthodontics, School of Dental Medicine, University of Zagreb, Zagreb, Croatia)</i></p>
SP171	<p><b>Gene Polymorphisms Associated with Increased Hypervigilance in Temporomandibular Disorders Patients.</b> M. ZLENDIĆ*, M. TOMLJANOVIĆ, K. GALL TROŠELJ, E. VRBANOVIĆ, I. ALAJBEG <i>(University of Zagreb, School of Dental Medicine, Zagreb, Croatia)</i></p>
P173	<p><b>Expression of DAPK1 in Oral Leukoplakia and Oral Cancer.</b> A. POULOPOULOS*, P. PAPAPOPOULOS, A. CHATZIVASILEIOU, D. PARLITSIS, E. ANAGNOSTOU, P. ANASTASIADOU, K. VAXTSEVANOS, M. BOLON <i>(Oral Medicine &amp; Oral Pathology, Aristotle University of Thessaloniki, Thessaloniki, Greece)</i></p>
SP174	<p><b>Identification of Globular Protein Structures in Human Whole and Parotid Saliva.</b> B. HAMULIC*, J. JACOBSEN, D. BAR-SHALOM, A.M. LYNGE PEDERSEN <i>(Department of Odontology/Section of Oral Biology and Immunopathology, University of Copenhagen, Copenhagen, Denmark)</i></p>
SP175	<p><b>Osteomas of the Jaws: Predictive Sign of Gardner's Syndrome?</b> S. D'AGOSTINO*, L. LIMONGELLI, G. FAVIA, M. DOLCI <i>(Medical, Oral and Biotechnological Sciences, University of Chieti Pescara, Chieti, Italy)</i></p>

## PERIODONTAL RESEARCH-DIAGNOSIS/EPIDEMIOLOGY

SP177	<p><b>Smile Evaluation on Videographs: an Intra and Inter-Rater Agreement Study.</b> M. FAURE-BRAC*, A. ANTEZACK, S. MELLOUL, M. SAÏD, A. RASKIN, V. MONNET-CORTI <i>(Periodontology, Aix-Marseille University, Marseille, France)</i></p>
P178	<p><b>Intra-Oral Scan Plaque Score Study Comparing Operators and Indices.</b> N. WEST, J. SEONG, N. HELLIN, R. NEWCOMBE, C. PARKINSON, N. WEST* <i>(University of Bristol, Bristol, United Kingdom)</i></p>
P179	<p><b>Clinical Gingival Health Improvement From Behavior Modification and Anti-Gingivitis Toothpaste.</b> J. SEONG*, S. DALY, N. HELLIN, R. NEWCOMBE, C. PARKINSON, N. WEST <i>(University of Bristol, Bristol, United Kingdom)</i></p>
SP180	<p><b>Endotoxin Activity in Subgingival Plaque Matches Periodontal Diagnoses.</b> A. DONG*, P. PUSSINEN, S. PAJU, J. LESKELA, G. PROCTOR, S. ZARIC <i>(King's College London, London, United Kingdom)</i></p>
SP181	<p><b>Efficacy of Different Periodontal Prognostic Systems in Predicting Tooth Loss.</b> S. SAYDZAI*, L. NIBALI, Z. BUONTEMPO, P. PATEL, H. FATEMAH, S. CHUANMING, A. AKCALI, N. DONOS, G.-H. LIN <i>(Faculty of Dentistry, Oral &amp; Craniofacial Sciences, King's College London, London, United Kingdom)</i></p>
SP182	<p><b>Evaluation of Pain after Periodontal Surgery.</b> S. GENNAI*, M. NISI, R. IZZETTI, F. GRAZIANI <i>(University of Pisa, Pisa, Italy)</i></p>
SP193	<p><b>Implication of Gremlin 1 in Periodontitis.</b> C. STUTZ*, P.-Y. GEGOUT, O. HUCK <i>(INSERM UMR1260 Regenerative medicine, Strasbourg, France)</i></p>

## PERIODONTAL RESEARCH-THERAPY

SP183	<p><b>Is Air-Polishing Clinically Relevant in Periodontal Active and/or Supportive Treatments?</b> S. TEYSSIER*, D. CHACUN, V. SZÖNYI, B. GROSGOGEAT, K. GRITSCH <i>(Faculté d'Odontologie, Université Lyon 1, Université de Lyon, Lyon, France)</i></p>
SP184	<p><b>Fronodoside a Promotes Periodontal Healing after Delayed Tooth Replantation.</b> S. PARK*, L. HERR, Y.K. CHAE, K.E. LEE, H.-S. LEE, S.C. CHOI, O.H. NAM <i>(Department of Pediatric Dentistry, School of Dentistry, Kyung Hee University, Seoul, Korea (the Republic of))</i></p>
SP185	<p><b>Citrus-Derived Eriocitrin Has Beneficial Effects on Inflammation and Oxidative Stress.</b> J. CARVALHO*, P. MAQUERA HUACHO, D. SPOLIDORIO, L. SPOLIDORIO <i>(Department of Diagnosis and Surgery, School of Dentistry, São Paulo State University (Unesp), Araraquara, São Paulo, Brazil, Araraquara, Brazil)</i></p>



<b>SP187</b>	<p><b>Blue Light Irradiation Influences Reparative Responses in Gingival Fibroblasts.</b></p> <p>E. GAIT-CARR*, P. HORSTMAN, M. STOFFELS, R. MOSELEY, M. BORN, R. WADDINGTON</p> <p><i>(Cardiff University, Cardiff, United Kingdom)</i></p>
<b>SP188</b>	<p><b>Retrospective Study of Minimally Invasive non-Surgical Treatment of Infralosseous Defects.</b></p> <p>R. OHANESSIAN*, A. BRINCAT, C. SADOWSKI, M. FAURE-BRAC, A. ANTEZACK, V. MONNET-CORTI</p> <p><i>(Periodontology, Aix Marseille University, Marseille, France)</i></p>
<b>SP190</b>	<p><b>Sci-Ab Influences Periodontal Tissues of Ovariectomized Rats During Orthodontic Movement.</b></p> <p>M.E. SCORDAMAIA LOPES*, C. CHIERICI MARCANTONIO, G. PERLES, J. CIRELLI</p> <p><i>(School of Dentistry at Araraquara, Sao Paulo State University - UNESP, Araraquara, São Paulo, Brazil)</i></p>
<b>P191</b>	<p><b>Randomised Clinical Trial on the Short-Term Anti-Plaque Effect of Cymenol.</b></p> <p>B. SUÁREZ-RODRÍGUEZ, C. BALSA-CASTRO, R. FIEL-OZORES, N. VILA-BLANCO, M.J. CARREIRA, I. TOMÁS*</p> <p><i>(Oral Sciences Research Group, Department of Surgery and Medical-Surgical Specialties, Universidade de Santiago de Compostela, Health Research Institute Foundation of Santiago (FIDIS), Santiago de Compostela, A Coruña, Spain)</i></p>



**SEQ#: 13****SYMPOSIUM****13:30 - 15:30****AUDITORIUM - LEVEL 0****DUAL-PHASE SUBSTITUTES: THE ADDED VALUE IN BONE REGENERATION  
(SUPPORTED BY OSTEOBIOL BY TECNOSS)****Chairperson:** I. About

<b>Q013</b>	13:30	<b>Collagen Sets the Foundation for Bone Vascularization and Regeneration.</b> I. ABOUT* ( <i>Aix-Marseille University, Marseille, France</i> )
<b>Q014</b>	14:05	<b>Ridge Preservation with Collagenated Biomaterials.</b> A. BARONE* ( <i>School of Dental Medicine, Department of Surgical, Medical, Molecular Pathologies and of Critical Needs, University of Pisa, Pisa, Italy</i> )
<b>Q015</b>	14:40	<b>Immediate Implant Restorations With the Multi-Layer-Technique-5y Results.</b> H. WACHTEL* ( <i>Implaneo Dental Clinic, München, Germany</i> )
	15:15	<b>Discussion</b>

**SEQ#: 14****SYMPOSIUM****13:30 - 15:30****HALL MAJOR - LEVEL 2****SYMPOSIUM: WHAT HAS DENTISTRY LEARNED FROM THE PANDEMIC?  
(SUPPORTED BY DENTAID RESEARCH CENTER)****Chairperson:** D. Herrera

<b>Q016</b>	13:30	<b>Oral and Systemic Health - is there a "new" Link with COVID-19?</b> D. HERRERA* ( <i>Complutense University of Madrid, Madrid, Spain</i> )
<b>Q017</b>	13:55	<b>Aerosols in the Dental Setting: a Misty Topic.</b> F. VAN DER WEIJDEN* ( <i>ACTA, Amsterdam, Netherlands</i> )
<b>Q018</b>	14:20	<b>The Role of the Oral Cavity in SARS-CoV-2- and Other Viral Infections.</b> D. HOFFMANN* ( <i>Institute for Virology, Munich, Germany</i> )
<b>Q019</b>	14:45	<b>Preprocedural Mouthwashes for Infection Control - an Update.</b> F. CIEPLIK* ( <i>University Hospital Regensburg, Regensburg, Germany</i> )
	15:10	<b>Discussion</b>



SEQ#: 15 ORAL SESSION 13:30 - 15:30		SALLE 120 - LEVEL 0
<b>RESTORATIVE MATERIALS: CLINICAL TRIALS</b>		
<b>Chairpersons:</b> N. Opdam and M. Peumans		
<b>SO057</b>	13:30	<b>3-Year-Survival of CAD/CAM Resin-Based Composite Restorations in Severe Tooth-Wear Patients.</b> E. MAIER*, L. D'ANIELLO, E. BRONKHORST, H. BRONKHORST, N. OPDAM, B. LOOMANS <i>(Dental Clinic 1, Friedrich-Alexander Universität Erlangen-Nürnberg, Erlangen, Germany)</i>
<b>O058</b>	13:45	<b>Three-Year Clinical Performance of a Universal Adhesive in non-Carious Cervical Lesions.</b> M. PEUMANS*, S. VANDORMAEL, I. DE COSTER, J. DE MUNCK, B. VAN MEERBEEK <i>(Oral Health Sciences, KU Leuven, Leuven, Belgium)</i>
<b>O059</b>	14:00	<b>20-Year Follow up of 'Open Sandwich' and Total-Etch Posterior Composite Restorations.</b> N. OPDAM*, B. LOOMANS, T. PEREIRA-CENCI, V. VANBEEK, M. CENCI, M. LASKE <i>(Dentistry, Radboud University Nijmegen, Nijmegen, Netherlands)</i>
<b>O061</b>	14:15	<b>Direct Class-V Restoration Survival, a Practice-Based Prospective Cohort Study.</b> M. LASKE*, N. OPDAM, M. CENCI, T. PEREIRA-CENCI, E. BRONKHORST, M.-C. HUYSMANS <i>(Dentistry, Radboud University Medical Center, Nijmegen, Netherlands)</i>
<b>SO062</b>	14:30	<b>A Ten-Year Clinical Evaluation of Direct and Indirect Composite Restorations.</b> A.R. CETIN, E.C. SIMSEK BALABAN*, E.R. DURAK, N. OZOGLU <i>(Selcuk University Faculty of Dentistry, Konya, Selçuklu, Turkey)</i>
<b>SO063</b>	14:45	<b>Clinical Evaluation of Universal Bonding Agents: 3 Years Result.</b> E.R. DURAK*, A.K. OZKAN, A.R. CETIN <i>(Restorative Dentistry, Selcuk University, Konya, Turkey)</i>
	15:00	<b>Discussion</b>

SEQ#: 16

ORAL SESSION

13:30 - 15:30

JOLIETTE - LEVEL 1

**STEM CELL BIOLOGY, PULP BIOLOGY & REGENERATION RESEARCH****Chairpersons:** N. Abd Elhamed and M. Pedano De Piero

<b>SO065</b>	13:30	<b>3D-Inspired Bioengineered Tissue Flaps for Tissue Regeneration.</b> I. REDENSKI*, S. SROUJI <i>(Oral &amp; Maxillofacial Surgery, Galilee College of Dental Sciences, Nahariya, Israel)</i>
<b>SO066</b>	13:45	<b>Role of Dental Pulp Stem Cell-Derived Neurotrophic Factors.</b> N. ABD ELHAMED*, L. AMIN, A. ZAHER, M. GRAWISH, B. SCHEVEN <i>(Oral cell biology department, Faculty of dentistry, Mansoura University, Mansoura, Egypt)</i>
<b>SO067</b>	14:00	<b>The Immunomodulatory Properties of Dental Pulp Stem Cells.</b> M. VERMA*, N. JAKUBOVICS, C. NILE <i>(Dentistry (Oral Biology), Newcastle University, Newcastle, United Kingdom)</i>
<b>SO069</b>	14:15	<b>Neuronal Differentiation of SCAPs Through 3D Sphere Formation.</b> M. BASABRAIN*, J. ZHONG, C. ZHANG <i>(The University of Hong Kong, Ma Wan, Hong Kong)</i>
<b>O070</b>	14:30	<b>Link Between Ageing and Autophagy in Human Pulpal Odontoblasts.</b> N. MANCHOROVA-VELEVA*, M. GUENOVA, D. KESKINOVA <i>(Operative Dentistry and Endodontics, Medical University-Plovdiv, Plovdiv, Bulgaria)</i>
<b>O071</b>	14:45	<b>Cell-Homing Versus Cell-Transplantation Approach for Dental-Pulp Regeneration: a Systematic Review.</b> E. TIREZ, M.S. PEDANO DE PIERO* <i>(Oral Health Sciences - BIOMAT, KU Leuven, Leuven, Belgium)</i>
<b>O072</b>	15:00	<b>Immunohistochemical Study of Inflammatory and Angiogenic Response of Dental Pulp.</b> A. SOTIROVSKA IVKOVSKA*, E. ZABOKOVA BILBILOVA, Z. GEORGIEV <i>(Faculty of Dentistry, Skopje, Macedonia (the former Yugoslav Republic of))</i>
	15:15	<b>Discussion</b>



SEQ#: 17 ORAL SESSION 13:30 - 15:30		ESTAQUE - LEVEL 1
INSTRUMENTS AND EQUIPMENT/COLOR AND APPEARANCE OF POLYMERS		
Chairpersons: S. Belli and L. Turkun		
O073	13:30	<b>Debridement of Root Canal Isthmus by Laser Activated Photoacoustic Streaming.</b> I. BAGO*, A. DURIN, D. KANIZAJ, L. BATELJA-VULETIĆ, I. ANIĆ <i>(Department of Endodontics and Restorative Dentistry, School of Dental Medicine University of Zagreb, Zagreb, Croatia)</i>
O074	13:45	<b>Should Separated-Files be Removed? a Stress-Analysis Study About Profit-Loss.</b> A. AHADOV, S. BELLI* <i>(Endodontics, Selçuk University, Konya, Turkey)</i>
O075	14:00	<b>Mechanisms and Loss Rates of Enamel Using Air-Abrasion and Nanoimpact.</b> B. MANSOUR, N. NANTAKUMAR, B. HARDING, R. COOK* <i>(Mechanical Engineering, University Of Southampton, Southampton, Hampshire, United Kingdom)</i>
O076	14:15	<b>Sterility Level Over Time of Multi-Used Sterilization Pouches.</b> A. LIVNY*, E. BARON <i>(Prosthodontics, Hebrew University School of Dental Medicine, Sarigim, Israel)</i>
SO077	14:30	<b>Effects of Different Whitening Agents on Resin Composites' Esthetic Properties.</b> U. KOC VURAL, C. ATALAY*, S. GURGAN <i>(Restorative Dentistry, Hacettepe University, Ankara, Turkey)</i>
SO078	14:45	<b>Effect of Bleaching on Microhardness and Color-Change of Resin-Infiltrated Lesions.</b> A. TUNC*, Z. OZDUMAN, E. ELIGUZELOGLU DALKILIC <i>(Restorative Dentistry, Bezmialem Vakif University, Istanbul, Turkey)</i>
SO079	15:00	<b>Heating Effect Upon the Color Coordinates of Composite Resins.</b> C. PRODAN*, C. GASPARIK, B. VARVARA, A. BOITOR, D. DUDEA <i>(Prosthodontics and Esthetics, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Cluj, Romania)</i>
O080	15:15	<b>Can We Repolish Discolored Single-Shaded Composite Resins with Different Wheel-Polishers?</b> L.S. TURKUN*, C. CANEVI, H. BOYACIOGLU <i>(Restorative Dentistry, Ege University School of Dentistry, Izmir, Turkey)</i>



<b>SEQ#: 18</b>		
<b>ORAL SESSION</b>		
<b>13:30 - 15:30</b>		<b>GRAND LARGE - LEVEL 1</b>
<b>ORAL &amp; MAXILLOFACIAL SURGERY RESEARCH</b>		
<b>Chairpersons:</b> N. Armogida and P. Lahoud		
<b>SO081</b>	13:30	<b>Surgical Results of Immature Third Molar Autotransplantation Using Printed Replicas.</b> M. LEJNIEKS*, I. AKOTA, G. JAKOBSONE, L. NEIMANE, O. RADZINS <i>(Maxillofacial surgery, Riga Stradins University, Babite, Latvia)</i>
<b>SO082</b>	13:45	<b>CBCT-Based Biomechanical Models for the Study of Tooth Auto-Transplantation Outcomes.</b> P. LAHOUD*, W. LAUWERS, J. WYATT, M. DUCRET, S. VALETTE, M. QUIRYNEN, H. VAN LENTHE, R. JACOBS, R. RICHERT, M. EZELDEEN <i>(Periodontology and Oral Microbiology, Department of Oral Health Sciences - University Hospitals Leuven, KU Leuven, Leuven, Belgium)</i>
<b>O083</b>	14:00	<b>DFDBA Allograft to Accelerate the Healing in Lefort's Osteotomy Sites.</b> P. SOLTANI, I. MOHAMMADI, H. NAVAEI, G. SPAGNUOLO, N.G. ARMOGIDA* <i>(University of Naples "Federico II", Napoli, Naples, Italy)</i>
<b>SO084</b>	14:15	<b>Refined rat Model for Mandibular Osteoradionecrosis Study and Treatment.</b> B. CHOUAIB*, M. DOS SANTOS, C. DEMARQUAY, P. GUIHARD, P. BLÉRY, F. MILLIAT, P. WEISS, N. MATHIEU <i>(Human Health Department, PSE-SANTE, SERAMED, LRMed, Institute for Radioprotection and Nuclear Safety, Fontenay-aux-Roses, France)</i>
<b>SO085</b>	14:30	<b>Odontogenic and Non-Odontogenic Maxillofacial Infections During COVID-19 Lockdown: Retrospective Analysis.</b> R. RAUBAITE*, L. ZALECKAS, R. RASTENIENE <i>(Institute of Odontology, Faculty of Medicine, Vilnius University, Vilnius, Lithuania)</i>
<b>SO086</b>	14:45	<b>Evaluation of Three Different Suture Materials with Thermal Aging Technique.</b> G. GÜRSES, I. AYDOĞAN*, A. AKTI <i>(Selçuk University, Konya, Turkey)</i>
<b>SO087</b>	15:00	<b>Comparison of 1-Stage and 2-Stage Palatoplasty: a Systematic Review and Meta-Analysis.</b> A. SCHULZE WENNING*, B. GOLZIO NAVARRO CAVALCANTE, L. MÁRK CZUMBEL, B. SZABÓ, P. HEGYI, M. ACS, K. NAGY, G. GERBER, G. VARGA <i>(Center for translational Medicine, Semmelweis University, Budapest, Hungary)</i>
<b>SO088</b>	15:15	<b>The Effect of Consent Form on Anxiety in Oral Surgery.</b> M. BEDER, M.S. AKKOÇ*, A. AKTI, E. DURMUS <i>(Selçuk University, Konya, Turkey)</i>



<b>SEQ#: 19</b> <b>SYMPOSIUM</b> <b>16:00 - 18:00</b>	<b>AUDITORIUM - LEVEL 0</b>
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**SYMPOSIUM YOUNG CED-IADR: NOVEL CHEMICAL MODIFICATIONS AND TREATMENTS TO CREATE EASY, SMART AND DURABLE POLYMERS AND INTERFACES (SUPPORTED BY COLGATE)**

**Chairperson:** M. Pedano De Piero

<b>Q020</b>	16:00	<b>Commercial and Experimental Self-Adhesive Composites: Where are we at Today?</b> A. DELGADO* ( <i>Centro de Investigação Interdisciplinar Egas Moniz (CiiEM), Monte de Caparica, Almada, Portugal</i> )
<b>Q021</b>	16:35	<b>Single Versus Multi-Bottle Dental Adhesives: How Big Is The In-Between Gap?</b> M. AHMED ( <i>Department of Dental Biomaterials, Tanta University, Egypt</i> )
<b>Q022</b>	17:10	<b>The Future of the ART Technique in Light of Novel Remineralising Dental Restorative Materials.</b> M. TISKAYA* ( <i>Queen Mary UoL, London, United Kingdom</i> )
	17:45	<b>Discussion</b>

<b>SEQ#: 20</b> <b>SYMPOSIUM</b> <b>16:00 - 18:00</b>	<b>HALL MAJOR - LEVEL 2</b>
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**SYMPOSIUM: CLINICAL EVIDENCE AND RESULTS ON NOVEL SOFT TISSUE ENGINEERED ACELLULAR DERMAL MATRIX AND IMMEDIATE LOADING PERFORMANCE IN IMPLANT DENTISTRY (SUPPORTED BY BIOHORIZONS CAMLOG)**

**Chairperson:** A. Sculean

<b>Q023</b>	16:00	<b>Tissue Thickening with an Acellular, Porcine Dermal Matrix Over Dental Implants and Around Teeth - Clinical and Immunohistological Results.</b> T. FRETWURST* ( <i>Regenerative Oral Medicine Section, Dept. of Dentistry, Oral and Maxillofacial Medicine, University of Freiburg, Freiburg, Germany</i> )
<b>Q024</b>	16:35	<b>Effects of Three-Dimensional Collagen-Based Matrices on the Regenerative Potential of Primary Human Oral Fibroblasts, Primary Human Periodontal Ligament Cells, and pre-Osteoblasts.</b> M. ASPARUHOVA*, A. SCULEAN ( <i>Laboratory Cell Biology, School of Dental Medicine, University of Bern, Bern, Switzerland</i> )
<b>Q025</b>	17:10	<b>Clinical Performance of Immediately Placed Progressive-Line Implants: Results of a Prospective Clinical Study.</b> G. TRIMPOU* ( <i>Polyclinic for Dental Surgery and Implantology, Department of Medicine, Goethe University, Frankfurt, Germany</i> )
	17:45	<b>Discussion</b>



SEQ#: 21

ORAL SESSION

16:00 - 18:00

JOLIETTE - LEVEL 1

## PHARMACOLOGY, ORAL MEDICINE AND PATHOLOGY RESEARCH

Chairpersons: D. Adamo and T. Berg

SO089	16:00	<p><b>Mucoadhesive Patches Containing Antibody Derivatives Reduce Inflammation in Oral Lesions.</b></p> <p>J. EDMANS*, B. OLLINGTON, C. MURDOCH, S. SPAIN, P. HATTON, H. COLLEY</p> <p><i>(School of Clinical Dentistry, University of Sheffield, Sheffield, United Kingdom)</i></p>
SO090	16:15	<p><b>Effects of Children's Toothpastes and Detergent Contents on Zebrafish Embryos.</b></p> <p>G.E. KARAMAN*, I. UNAL, E. EMEKLI-ALTURFAN, S. AKYÜZ</p> <p><i>(Department of Pediatric Dentistry, Faculty of Dentistry, Marmara University, Istanbul, Turkey)</i></p>
SO091	16:30	<p><b>White Matter Hyperintensities in Burning Mouth Syndrome.</b></p> <p>D. ADAMO*, F. CANFORA, E. CAN, N. COPPOLA, S. LEUCI, G. PECORARO, R. CUOCOLO, L. UGGA, L. D'ANIELLO, M. ARIA, M.D. MIGNOGNA</p> <p><i>(Neuroscience, Reproductive Sciences and Dentistry, University of Naples Federico II, Naples, Italy, University of Naples Federico II, Naples, Italy)</i></p>
O092	16:45	<p><b>Poor Oral Hygiene and Infective Endocarditis: a Case Control Study.</b></p> <p>P. LOCKHART, V. CHU, J. ZHAO, F. GOSH, M. THORNHILL*, B. PIHLSTROM, F. BAHRANI-MOUGEOT, G. ROSE, Y.-P. SUN, J. NAPENAS, S. MUNZ, P. FARREHI, T. SOLLECITO, V. SANKAR, P. O'GARA</p> <p><i>(Oral &amp; Maxillofacial Medicine, Surgery and Pathology, University of Sheffield, School of Clinical Dentistry, Sheffield, United Kingdom)</i></p>
SO093	17:00	<p><b>Oral Fibroblast's Critical Role in Prevention and Treatment of MRONJ.</b></p> <p>T. BERG*, H. ZIGDON GILADI</p> <p><i>(Technion Israel Institute of Technology, Rakefet, Israel)</i></p>
SO094	17:15	<p><b>Quantitative Histological Feature Analysis in Oral Epithelial Dysplasia.</b></p> <p>H. MAHMOOD*, N. RAJPOOT, A. KHURRAM</p> <p><i>(Oral Surgery, School of Clinical Dentistry, University of Sheffield, Sheffield, United Kingdom)</i></p>



<b>O095</b>	17:30	<b>Intraductal Irrigations and Sialoendoscopies Dual Treatment for Oral Dryness Relief.</b> D. AFRAMIAN*, O. BAR, N. CHEN, A. WILENSKY, G. ALMOZNINO ( <i>Sjogren's Syndrome Center, Department of Oral Medicine, Sedation &amp; Maxillofacial Imaging, Faculty of Dental Medicine, Hebrew University of Jerusalem Hadassah Medical Center, Jerusalem, Israel, Israel</i> )
<b>SO096</b>	17:45	<b>Multidimensional Pain Evaluation Correlated with Psychological Profile and QoL in BMS.</b> F. CANFORA*, E. CAN, G. PECORARO, L. D'ANIELLO, M. ARIA, G. MARENZI, P. SAMMARTINO, M.D. MIGNOGNA, M. BOLON ( <i>Neurosciences, Reproductive and Odontostomatological Sciences, Oral Medicine Unit, University of Naples Federico II, San Giuseppe Vesuviano, Naples, Italy</i> )
<b>SEQ#: 22</b>		
<b>ORAL SESSION</b>		
<b>16:00 - 18:00</b>		<b>ESTAQUE - LEVEL 1</b>
<b>MICROBIOLOGY/IMMUNOLOGY</b>		
<b>Chairpersons:</b> R. Allaker and S. Niazi		
<b>O097</b>	16:00	<b>Endodontic Microbiome and its Association With Systemic Inflammatory Burden.</b> S. NIAZI*, A. BAKHSH, F. MANNOCCI, D. MOYES ( <i>Endodontics, King's College London, London, United Kingdom</i> )
<b>SO098</b>	16:15	<b>Effect of Sterilisation Techniques on Endodontic Sealers.</b> S. BHANDARI*, W. PALIN, S. KUEHNE, J. CAMILLERI ( <i>School Of Dentistry ,Institute Of Clinical Sciences,, University of Birmingham, Birmingham, United Kingdom</i> )
<b>SO099</b>	16:30	<b>Endodontic Operative Field Asepsis in General Dental Care.</b> L. MALMBERG*, C. BENAVENTE-HANSSON, M. BRUNDIN, A. BJÖRKNER ( <i>Faculty of Odontology, Malmö University, Malmö, Sweden</i> )
<b>SO100</b>	16:45	<b>Langerhans Cells Orchestrate Initial Establishment of Oral Mucosal Immunity Postnatally.</b> Y. JABER*, A.-H. HOVAV ( <i>Institute of Biomedical and Oral Research, Faculty of Dental Medicine, Hebrew University, Jerusalem, Israel</i> )
<b>SO101</b>	17:00	<b>Microbial and Osteoblast Responses to Copper-Containing Titanium Implant Material.</b> J. KHALID*, A. STEPHEN, S. RAWLINSON, R. ALLAKER ( <i>Queen Mary University of London, London, United Kingdom</i> )
<b>SO102</b>	17:15	<b>Cryotherapy for Managing Oral Biofilms: Beyond Biofilms Removal.</b> N. ZAYED*, N.H.N. KAMARUDIN, A. BRAEM, N. BOON, K. BERNAERTS, W. VAN HOLM, W. TEUGHELS ( <i>Oral health sciences, KU Leuven, Leuven, Vlaams-Brabant, Belgium</i> )
<b>SO103</b>	17:30	<b>Harnessing Natural Competence in <i>Streptococcus Ferus</i> for Oral Health.</b> B. RUED*, M. FEDERLE ( <i>Chicago, University of Illinois, Chicago, Illinois, USA</i> )
	17:45	<b>Discussion</b>



**SEQ#: 23****KEYNOTE LECTURE****16:00 - 17:00****GRAND LARGE - LEVEL 1****SILVER AGERS, BUT SILVER GONE: ARE DEMOGRAPHICS, EPIDEMIOLOGY AND DENTAL RESTORATIVE CARE APPROACHES IN SYNC? (SUPPORTED BY DMG)****Introduction by** L. Ceballos

<b>Q001</b>	16:00	<b>Silver Agers, but Silver Gone: are Demographics, Epidemiology and Dental Restorative Care Approaches in Sync?</b> F. SCHWENDICKE* ( <i>Oral Diagnostics, Digital Health, Health Services Research, Charite - Universitaetsmedizin Berlin, Berlin, Germany</i> )
	16:45	<b>Discussion</b>

**SEQ#: 24****KEYNOTE LECTURE****16:00 - 17:00****SALLE 120 - LEVEL 0****BSODR PRESIDENT'S LECTURE: CLINICALLY-INSPIRED TRANSLATIONAL MICROBIOLOGY: FROM STANDARDISATION TO MOLECULAR MECHANISMS**

<b>Q055</b>	16:00	<b>Clinically-Inspired Translational Microbiology: From Standardisation to Molecular Mechanisms.</b> C. FARRUGIA* ( <i>Bristol Dental School, University of Bristol, Bristol, United Kingdom</i> )
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