

<b>SEQ#: 50</b>		
<b>ORAL SESSION</b>		
<b>8:30 - 10:00</b>		<b>SALLE 120 - LEVEL 0</b>
<b>SALIVARY RESEARCH</b>		
<b>Chairpersons:</b> I. Alsanie and R. Izzetti		
<b>SO203</b>	8:30	<b>Minor Salivary Glands Ultrasonography in Establishing Sjögren's Syndrome Prognosis.</b> R. IZZETTI*, G. FULVIO, M. NISI, S. GENNAI, C. BALDINI, F. GRAZIANI <i>(Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine, University of Pisa, Pisa, Italy)</i>
<b>SO204</b>	8:45	<b>Women Salivary Metabolome in Aging.</b> P. BOSMAN*, L. LE POTTIER, A.C. ACEVEDO, V. PICHON, J.-O. PERS, H. CHARDIN, A. COMBES <i>(CBI-LSABM, ESPCI, Paris, France)</i>
<b>SO205</b>	9:00	<b>Artificial Intelligence for Analysis of Salivary Gland Tumours.</b> I. ALSANIE*, N. AZARMEHR, A. SHEPHARD, N. RAJPOOT, A. KHURRAM <i>(Oral and Maxillofacial Pathology, University of Sheffield, Sheffield, South Yorkshire, United Kingdom)</i>
<b>O206</b>	9:15	<b>Salivary Proteome in Patients with or without Ulcerative Oral-Mucositis.</b> S. LEEUWEN*, G. PROCTOR, A. STAES, A. LAHEIJ, C. POTTING, M. BRENNAN, I. VON BÜLTZINGSLÖWEN, F. ROZEMA, M. HAZENBERG, N. BLIJLEVENS, J. RABER-DURLACHER, M.-C. HUYSMANS <i>(Radboudumc, Nijmegen, Netherlands)</i>
<b>SO207</b>	9:30	<b>Majority of Hematopoietic Stem Cell Transplantation Recipients Develops Hyposalivation.</b> M. BULTHUIS*, L. VAN GENNIP, R. THOMAS, A. LAHEIJ, J. RABER-DURLACHER, F. ROZEMA, M. BRENNAN, I. VON BÜLTZINGSLÖWEN, N. BLIJLEVENS, M.-C. HUYSMANS, S. LEEUWEN <i>(Radboud University Medical Center, Zaandam, Netherlands)</i>
	9:45	<b>Discussion</b>



SEQ#: 51

ORAL SESSION

8:30 - 10:00

JOLIETTE - LEVEL 1

## E-ORAL HEALTH NETWORK

Chairpersons: G. Almoznino and A. Laheij

O209	8:30	<p><b>Body Mass Index and Caries: Statistical and Machine Learning Analytics.</b></p> <p>G. ALMOZNINO*, S. SIRI, D. ZUR, O. BAR, O. BEN ASSULI  <i>(Head, Big Biomedical Data Research Laboratory, Faculty of Dental Medicine, Hebrew University of Jerusalem, Hadassah Medical Center, Jerusalem, Israel)</i></p>
SO210	8:45	<p><b>Automated Deep-Learning-Based Arrangement of Periapical Radiographs.</b></p> <p>L. PFÄNDER*, J. KROIS, F. SCHWENDICKE  <i>(Department of Oral Diagnostics, Digital Health and Health Services Research, Charité - Universitätsmedizin Berlin, Berlin, Germany)</i></p>
SO211	9:00	<p><b>Pilot Online Health Program Improved Mouth Dryness.</b></p> <p>I. STANKEVICIENE*, L. STANGVALTAITE- MOUHAT, V. KULVIETIS, E. MAZGELYTE, A. RIMKEVICIUS, D. MIELIAUSKAITE, A. PURIENE  <i>(Vilnius University, Vilnius, Lithuania)</i></p>
O212	9:15	<p><b>Automatic Hyperparameter Tuning and Image Augmentation for Improving Angle Classification.</b></p> <p>J.E. CEJUDO GRANO DE ORO*, P.J. KOCH, F. SCHWENDICKE, J. KROIS  <i>(Oral Diagnostics, Digital Health, Health Services Research, Charite - Universitaetsmedizin Berlin, Berlin, Germany)</i></p>
SO213	9:30	<p><b>Towards Privacy-Preserving AI in Dentistry with Federated Learning.</b></p> <p>L. SCHNEIDER*, J. KROIS, F. SCHWENDICKE  <i>(Department of Oral Diagnostics, Digital Health and Health Services Research, Charité - Universitätsmedizin, Berlin, Germany, Berlin, Germany)</i></p>
SO214	9:45	<p><b>Analysis of YouTube Videos Related to Bichectomy.</b></p> <p>A. AKTI, D. KAYA, Z. CENGIZ*, G. GÜRSES  <i>(Selcuk University, Konya, Turkey)</i></p>



SEQ#: 52 ORAL SESSION 8:30 - 10:00		ESTAQUE - LEVEL 1
<b>E-ORAL HEALTH NETWORK</b> Chairpersons: M. O'Sullivan and R. Singhal		
SO215	8:30	<b>Do Medicated Psychiatric Patients Differ From Other Dry Mouth Patients?</b> J. FRIGAARD*, H. HYNNE, J. JENSEN, A. VIK, L. HOVE, M. RYKKE <i>(University of Oslo, Oslo, Norway)</i>
SO216	8:45	<b>Oral Health of Cameroonian Children: Pilot Study in Rural Areas.</b> G. AIMOND*, T.-P. BÉATRICE, C. BERNARD-GRANGER, C. GISLE, T. CARON, A.V. JIOKENG, S. MAJOLI, J.-C. MAURIN, M. DUCRET, L. LAFOREST <i>(Faculté d'Odontologie, Université Claude Bernard Lyon 1, Lyon, France)</i>
SO217	9:00	<b>Dental Caries in Irish Children: a Systematic Review.</b> V. SHARMA*, M. CROWE, L. WINNING, A. O'SULLIVAN, O. CASSETTI, M. O'SULLIVAN <i>(Division of Restorative Dentistry &amp; Periodontology, Dublin Dental University Hospital, Dublin, Ireland)</i>
SO218	9:15	<b>GRK5 as a Functional Bridge Between Periodontitis and Neurodegeneration.</b> D. LICCARDO*, A. CANNAVO, C. RENGO, C. DEL GIUDICE, A. VALLETTA, G. SPAGNUOLO, S. RENGO <i>(University of Naples Federico II, Naples, Italy)</i>
SO219	9:30	<b>Is the way Researchers are Evaluated Appropriate? a Pilot Study.</b> J. CENCI*, M. FRANCO, T. PEREIRA-CENCI, M. CORREA, A. CURY, D. MOHER, L. BOUTER, M.-C. HUYSMANS, M. CENCI <i>(Dentistry, Radboudumc, Cascavel, Paraná, Brazil)</i>
O220	9:45	<b>Open Science Practices for Reproducible Data Analysis of Dental Research.</b> M. CROWE*, L. WINNING, O. CASSETTI, A. O'SULLIVAN, M. O'SULLIVAN <i>(Dublin Dental University Hospital, Trinity College Dublin, Dublin, Ireland)</i>



SEQ#: 53

## ORAL SESSION

8:30 - 10:00

GRAND LARGE - LEVEL 1

## CARIOLOGY RESEARCH; DIAGNOSIS, PREVENTION AND TREATMENT

Chairpersons: C. Bonifacio and M. Malik

SO221	8:30	<b>Automatic Caries Detection in Bitewing Radiographs Using Convolutional Neural Networks.</b> A. TICHÝ*, L. KUNT, J. KYBIC <i>(Institute of Dental Medicine, General University Hospital in Prague, Prague, Czechia)</i>
SO223	8:45	<b>Preparation and Characterization of a Radiopaque Infiltrant for Early Enamel Carious Lesions.</b> M. HASAN*, A. KHATOON, S. ARSENIYADIS, M. PATEL, F. WONG <i>(Dental Physics Science Unit, QMUL, Center of Oral Bioengineering, London, United Kingdom)</i>
SO225	9:00	<b>Investigation of Effects Produced by Fluoride Releasing Glass Ionomer Cements.</b> M. MALIK*, G. DAVIS, R. HILL, D. MILLS <i>(Dental Physical Sciences Unit, Queen Mary University of London, London, United Kingdom)</i>
SO226	9:15	<b>S. Mutans Biofilm Removal by <math>\alpha</math>-(1<math>\rightarrow</math>3) Glucanase and DNase.</b> M. QUEIROZ*, A. CORTEZ, V. PELLEGRINI, J. CURY, I. POLIKARPOV, A.P. RICOMINI FILHO <i>(Biosciences, UNICAMP, Piracicaba, Sao Paulo, Brazil)</i>
	9:30	<b>Discussion</b>

SEQ#: 54

## SYMPOSIUM

10:30 - 12:30

AUDITORIUM - LEVEL 0

## SYMPOSIUM: PATHOGENESIS, CLINICAL FEATURES AND MANAGEMENT OF SMELL AND TASTE DISTURBANCE IN COVID-19 (SUPPORTED BY NOF-IADR, SUPPORTED BY UNILEVER ZENDIUM)

Chairperson: A. Lynge Pedersen

Q052	10:30	<b>Pathogenic Mechanisms Underlying Smell and Taste Disturbances with Focus on COVID-19.</b> A. FJÆLDSTAD* ( <i>Flavour Institute, Aarhus University, Aarhus, Denmark</i> )
Q053	11:05	<b>Long COVID-19 and Olfactory Disorders.</b> T. OVESEN* ( <i>ENT Department, University Clinic for Flavour, Balance and Sleep, Herning, Denmark</i> )
Q054	11:40	<b>Management of Smell, Taste and Trigeminal Disturbances in Patients with Long Covid-19.</b> P. SINGH* ( <i>Institute of Clinical Odontology, University of Oslo, Oslo, Norway</i> )
	12:15	<b>Discussion</b>



SEQ#: 55 ORAL SESSION 10:30 - 12:30		HALL MAJOR - LEVEL 2
<b>ORAL MEDICINE &amp; PATHOLOGY RESEARCH</b> <b>Chairpersons:</b> E. Calabria and V. Petersen Wagner		
SO227	10:30	<b>Vimentin Mediated Downregulation of Intercellular Associations Augments Cancer Cell Migration.</b> S. USMAN*, M.-T. TEH, A. WASEEM <i>(Dentistry COIRM, Queen Mary University of London, London, United Kingdom)</i>
SO228	10:45	<b>Investigation of Oral Cancer Microenvironment by Synchrotron Phase Contrast <math>\mu</math>-CT.</b> L. TOGNI*, M. FURLANI, N. RIBERTI, A. GIULIANI, A. SANTARELLI, M. MASCITTI <i>(Clinical Specialistic and Dental Sciences, Marche Polytechnic University, Ancona, Italy)</i>
SO229	11:00	<b>Tumor-Associated Collagen Signatures by Multiphoton Microscopy in Oral Cancer.</b> R. O'FLYNN*, T. CLOITRE, D. TARDIVO, A. SLIMANI, F. CUISINIER, H. TASSERY, C. GERGELY, R. LAN <i>(Ecole de médecine dentaire, Aix-Marseille University, Marseille, France)</i>
SO230	11:15	<b>Alcohol Consumption may Enhance Oral Carcinogenesis by Modulating Aldehyde Dehydrogenases.</b> I. O'GRADY*, J. OSULLIVAN <i>(Dublin Dental University Hospital, Dublin, Ireland)</i>
O231	11:30	<b>Proteomic Comparison of Pleomorphic Adenoma and Carcinoma Ex-Pleomorphic Adenoma.</b> V. PETERSEN WAGNER*, V. ZANELLA, S. COSTA, L. BINGLE, P. VARGAS, E. PILAR, F. FONSECA, M. MARTINS <i>(University of Sheffield, Sheffield, United Kingdom)</i>
SO232	11:45	<b>Treatments' Outcomes in Pemphigus Vulgaris Patients: a Long-Term Comparative Study.</b> E. CALABRIA*, S. LEUCI, D. ADAMO, E. RUOPPO, N. COPPOLA, F. CANFORA, M.D. MIGNOGNA <i>(Neuroscience, Reproductive Sciences and Dentistry, University of Naples Federico II, Naples, Italy, University of Naples Federico II, Naples, Italy)</i>
SO233	12:00	<b>Development of a Multi-Cellular Tissue-Engineered Model of Oral Lichen Planus (OLP).</b> A. EL-HOWATI*, H. COLLEY, C. MURDOCH <i>(Oral and Maxillofacial Pathology, University of Sheffield, Sheffield, United Kingdom)</i>
	12:15	<b>Discussion</b>



<b>SEQ#: 56</b>		
<b>ORAL SESSION</b>		
<b>10:30 - 12:30</b>		<b>SALLE 120 - LEVEL O</b>
<b>ORAL SESSION: MINERALIZED TISSUE</b>		
<b>Chairpersons:</b> Y. Jamil and S. Srouji		
<b>SO236</b>	10:30	<p><b>Effervescence: an Innovation in Porous Hydrogel Preparation for Bone Regeneration.</b></p> <p>S. ROUMANI*, C. JEANNEAU, G. LOUISE, S. JÉRÔME, M. PITHIOUX, I. ABOUT</p> <p><i>(Aix Marseille University, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)</i></p>
<b>SO237</b>	10:45	<p><b>Apatite Formation Under Extreme Acidic Conditions Using Solely Inorganic Approaches.</b></p> <p>A.KHALIQ*, O. ADDISON, M. ROSCOE, S. ELSHARKAWY</p> <p><i>(Centre of Oral, Clinical and Translational Sciences, Faculty of Dentistry, Oral and Craniofacial Sciences, King's College London, London, United Kingdom)</i></p>
<b>SO238</b>	11:00	<p><b>Morphological and Chemical Analysis of Dentin Affected by Radiation-Related Caries.</b></p> <p>B. NASCIMENTO*, P. SOARES JUNIOR, R. NUNES RACHED, I. ADAD FORNAZARI, E. MACHADO SOUZA</p> <p><i>(Graduate Program in Dentistry, Pontifícia Universidade Católica do Paraná, Curitiba, Paraná, Brazil)</i></p>
<b>SO239</b>	11:15	<p><b>Human Dentine Tubule and Microbranch Variations with Quantitative Serial-Block-Face Scanning-Electron-Microscopy.</b></p> <p>B. HARDING*, P. SCHNEIDER, K. RANKIN, L. D'ANIELLO</p> <p><i>(Mechanical Engineering, University of Southampton, Southampton, United Kingdom)</i></p>
<b>SO240</b>	11:30	<p><b>Identifying Internal Changes in the Teeth in Response to Enamel Cracks Using X-ray Microtomography.</b></p> <p>Y. JAMIL*, G. DAVIS, R. HILL, D.G. GILLAM</p> <p><i>(Centre For Oral Bioengineering, Institute of Dentistry, Queen Mary University Of London, London, United Kingdom)</i></p>
	11:45	<b>Discussion</b>



SEQ#: 57

## ORAL SESSION

10:30 - 12:30

JOLIETTE - LEVEL 1

## PERIODONTAL RESEARCH: PATHOGENESIS &amp; THERAPY

Chairpersons: O. Huck and S. Karram

SO243	10:30	<p><b>High Fat Diet Induced Periodontitis and Diabetes in Mice.</b></p> <p>S. KARRAM*, A. GHANAIM, R. TZACH, A. KATZ, S. KAMINER, A. SCHAEFER, Y. HOURI-HADDAD, F. IRAQI, A. MELHEM, L. KARKAR, H. HASTURK, A. KANTARCI</p> <p><i>(Department of Prosthodontics, Dental School, The Hebrew University of Jerusalem, Jerusalem, Israel)</i></p>
SO244	10:45	<p><b>SARS-CoV-2 Infection Causes Periodontal Fibrotic Pathogenesis Through Deregulating Mitochondrial Beta-Oxidation.</b></p> <p>Y. GAO*, W.L. KOK, J. CARRÉ, C. ILLSLEY, S. HANKS, C. AFFOURTIT, C. TREDWIN, B. HU</p> <p><i>(Peninsula Dental School, Faculty of Health, University of Plymouth, Plymouth, Devon, United Kingdom)</i></p>
SO246	11:00	<p><b>P. Gingivalis Promotes the Secretion of Pro-Inflammatory Extracellular Vesicles by Oral Keratinocytes.</b></p> <p>P.-Y. GEGOUT*, B. MARY, C. STUTZ, V. HYENNE, H. ZIGDON GILADI, O. HUCK</p> <p><i>(Dental Faculty, Strasbourg, France)</i></p>
O247	11:15	<p><b>Predictive Role of Periodontitis as Risk Factor for Oral Cancer.</b></p> <p>R. SINGHAL*</p> <p><i>(Periodontology, King George's Medical University, Lucknow, Lucknow, Uttar Pradesh, India)</i></p>
O248	11:30	<p><b>The Clinical and Radiological Comparison of NIPSA and MIST: a Retrospective Study.</b></p> <p>A. OZTIN*, H. GÜNDOĞAR, M. ÖZALPAY</p> <p><i>(Gaziantep University, Kilis, Turkey)</i></p>
SO249	11:45	<p><b>Endo-Periodontal Treatment: Trans-Radicular Release of Active Components by Intracanal Medications.</b></p> <p>K. SY*, C. CHEVALIER, E. DEVEAUX, B. GROSGOGEAT, K. AGOSSA, K. GRISTCH</p> <p><i>(U1008-Controlled Drug Delivery Systems and Biomaterials, Inserm, CHU Lille, University of Lille, Lille, France)</i></p>
	12:00	<b>Discussion</b>



SEQ#: 58

## ORAL SESSION

10:30 - 12:30

ESTAQUE - LEVEL 1

## PROSTHODONTICS RESEARCH

Chairpersons: A. Biadsee and S. Levartovsky

SO251	10:30	<p><b>Temporomandibular Joint Involvement in Patients with Epilepsy.</b> A. VASS*, K. KÁROLYHÁZY, K. MÁRTON <i>(Department of General Dental Preclinical Practice, Semmelweis University, Budapest, Budapest, Hungary)</i></p>
SO252	10:45	<p><b>Effect of CAD-CAM Abutment Height on Monolithic Zirconia Crown Esthetics.</b> A. BIADSEE*, L. MASARWA, S. MASARWA, V. PERLIS, Z. ORMIANER <i>(Oral rehabilitation , Tel-Aviv University, Baka El Garbia, Israel)</i></p>
O253	11:00	<p><b>Fatigue Analysis of PEEK - Zirconia Hybrid Abutments for Ceramic Implants.</b> W. GRIMM*, N. GROSSE, T. FRITSCH <i>(Periodontology, Witten/Herdecke University, Witten, NRW, Germany)</i></p>
O254	11:15	<p><b>Fit of Thin-Walled Zirconia Veneers Fabricated by 3D-Printing.</b> S. RUES*, N. ZEHENDER, C. TREBING, P. RAMMELSBERG, A. ZENTHÖFER, F. SCHWINDLING <i>(Department of Prosthodontics, University Hospital Heidelberg, Heidelberg, Germany)</i></p>
O255	11:30	<p><b>Retrospective Follow-Up Study of Monolithic Zirconia Restorations in Bruxer Patients.</b> S. LEVARTOVSKY*, H. HELLER, I. BEITLITUM, A. EMODI-PERLMAN, S. MATALON <i>(Department of Oral Rehabilitation,, the Maurice and Gabriela Goldschleger School of Dental Medicine, Tel Aviv University, Tel Aviv 6997801, Israel;, Tel-Aviv, ISRAEL, Israel)</i></p>
SO256	11:45	<p><b>Depth Measuring Accuracy of a Cusp-to-Arch Intraoral Scanning Workflow.</b> P. CHARALAMBOUS*, R. AUSTIN, D. BARTLETT <i>(Faculty of Dentistry, Oral and Craniofacial Sciences, King's College London, London, Greater London, United Kingdom)</i></p>
SO257	12:00	<p><b>Evaluation of an Increased Occlusal Vertical Dimension in a RCT.</b> L. CRINS*, N. OPDAM, C. KREULEN, E. BRONKHORST, M.-C. HUYSMANS, B. LOOMANS <i>(Department of Dentistry, Radboudumc, Nijmegen, Gelderland, Netherlands)</i></p>
SO258	12:15	<p><b>Bi-Directional Association Between Oral Health and Cognitive Function.</b> C. GAO*, H. LARVIN, T. BISHOP, D. BUNCE, S. PAVITT, J. WU, J. KANG <i>(School of Dentistry, University of Leeds, Leeds, United Kingdom)</i></p>





SEQ#: 59

**KEYNOTE LECTURE**

10:30 - 11:30

GRAND LARGE - LEVEL 1

**KEYNOTE LECTURE: ADHESION TO CERAMIC SURFACES: DOES 10-MDP PRIMER PERFORM BETTER INCORPORATED OR SEPARATED FROM THE RESIN CEMENT? (SUPPORTED BY KURARAY NORITA)**

**Introduction by** J. Farges

<b>Q004</b>	10:30	<b>Adhesion to Ceramic Surfaces: Does 10-MDP Primer Performs Better Incorporated or Separated From the Resin Cement?</b> O. ETIENNE* ( <i>University of Strassbourg, Strassbourg, France</i> )
	11:15	<b>Discussion</b>



<b>SEQ#: 60</b>	
<b>POSTER SESSION</b>	
<b>11:30 - 12:30</b>	
<b>POSTER HALL - LEVEL 0</b>	
<b>PRESENTER AT POSTER</b>	
<i>(Free poster viewing from 8:30 - 13:00)</i>	
<b>DENTAL MATERIALS: CERAMIC-BASED MATERIALS</b>	
<b>SP307</b>	<p><b>Dentinal Tubules Penetration of Bioceramic and Conventional Sealers: SEM Analysis.</b></p> <p>V. BIFERI*, F. DE ANGELIS, M. VADINI, A. PIATTELLI, G. IEZZI, C. D'ARCANGELO  <i>(Department of Medical, Oral and Biotechnological Sciences, University of Chieti-Pescara, Chieti, Italy)</i></p>
<b>DENTAL MATERIALS: ADHESION</b>	
<b>SP300</b>	<p><b>Numerical Simulation of Debonding During Composite Polymerization.</b></p> <p>P.-C. TSENG*, D. KAISARLY, K.-H. KUNZELMANN  <i>(Department of Conservative Dentistry and Periodontology, Ludwig Maximilian University of Munich, München, Germany)</i></p>
<b>P301</b>	<p><b>Immediate Bonding Property of Dual-Cure Resin Cement in Light-Cure Mode.</b></p> <p>K. SATO*, K. HIRANO, F. FUSEJIMA  <i>(GC CORPORATION, Tokyo, Japan)</i></p>
<b>SP302</b>	<p><b>Inlay Cavity Design and Bonding Effect on Tooth Fracture Load.</b></p> <p>T. YLI-URPO*, L. LASSILA, P. VALLITTU, T. NÄRHI  <i>(University of Turku, Turku, Finland)</i></p>
<b>P303</b>	<p><b>Aesthetic Properties of Newly Developed 2-Step Self-Etch Adhesive "G2-BOND Universal".</b></p> <p>T. SHOJI, K. HIRANO, F. FUSEJIMA, S. HIGASHI*  <i>(R&amp;D, GC corporation, Tokyo, Japan)</i></p>
<b>P304</b>	<p><b>Evaluation of Bonding Performance of Self-Adhesive Composite Resin.</b></p> <p>Y. KASAI*, K. HIRANO, F. FUSEJIMA  <i>(Research &amp; Development Dept., GC Corporation, Itabashi-ku, Tokyo, Japan)</i></p>
<b>P305</b>	<p><b>Bond Strength of Glass-Hybrid and Glass-Ionomer Materials to Primary Dentine.</b></p> <p>T. PERIC*, J. VULOVIC, J. NICHOLSON, M. BELOICA, J. KUZMANOVIC, PFICER, A. RACIC, B. PETROVIC, I. MILETIC, D. MARKOVIC  <i>(University of Belgrade, School of Dental Medicine, Belgrade, Serbia)</i></p>
<b>SP306</b>	<p><b>Bonding a Universal Adhesive to Silver Diamine Fluoride Treated Dentin.</b></p> <p>M. UCTASLI*, T. STAPE, A. TEZVERGIL-MUTLUAY  <i>(Department of Restorative Dentistry and Cariology, Adhesive Dentistry Research Group, Institute of Dentistry, University of Turku, Turku, Finland)</i></p>



SP308	<p><b>Bonding of Composite to Fiber-Reinforced Resin - Effect of Fiber Orientation.</b></p> <p>S. RAETHER*, A. TASAKA, F. SCHWINDLING, P. RAMMELSBERG, S. YAMASHITA, A. ZENTHÖFER, S. RUES</p> <p><i>(Department of Prosthodontics, University Hospital Heidelberg, Heidelberg, Germany)</i></p>
SP309	<p><b>Short-Term and Aged Dentin-Bonding Effectiveness of Self-Cured Universal Composite Cements.</b></p> <p>B. MERCELIS*, K. VAN LANDUYT, M. PEUMANS, B. VAN MEERBEEK</p> <p><i>(Department of Oral Health Sciences, KULeuven-BIOMAT, Leuven, Flemish Brabant, Belgium)</i></p>
P310	<p><b>Bond Strength of Fiber Posts: Universal Versus Self-Adhesive Resin Cements.</b></p> <p>E. BAENA*, C. NUTI, D. ROSSITTO, N. ESCRIBANO, M.V. FUENTES, L. CEBALLOS</p> <p><i>(Stomatology , Alfonso X El Sabio University, Villanueva de la Cañada , Madrid, Spain)</i></p>
SP312	<p><b>Comparison of Different Universal Adhesive Systems on Dentin Bond Strength.</b></p> <p>S. BRKANOVIC*, J. VUKELJA, E. KLARIC, I. MILETIC, S. JUKIC KRMEK</p> <p><i>(School of Dental Medicine, University of Zagreb, Zagreb, Croatia)</i></p>
P313	<p><b>Universal Adhesives Silane Content Influences Bond Strength to Glass-Ceramic.</b></p> <p>M. AWAD*, F. ALHALABI, A. ALQAHTANI, A. ALSHEHRI, A. ALRAHLAH, A. TEZVERGIL-MUTLUAY</p> <p><i>(Department of Restorative Dentistry and Cariology, Adhesive Dentistry Research Group, Institute of Dentistry, University of Turku, Turku, Finland)</i></p>
SP347	<p><b>Bonding Hydrophobic-Rich Resins to Demineralized-Dry Dentin Using DMSO.</b></p> <p>O. ISMAIL*, T. STAPE, A. TEZVERGIL-MUTLUAY</p> <p><i>(Cariology and Restorative Dentistry, The University of Turku, Turku, Finland)</i></p>
<p><b>DENTAL MATERIALS: BIOCOMPATIBILITY, BIOENGINEERING AND BIOLOGIC EFFECTS OF MATERIALS</b></p>	
SP311	<p><b>In Vitro Response of Human Dental Pulp Stem Cells to Dental Composite.</b></p> <p>C. DEL GIUDICE*, M. MAGLITTO, C. MENALE, A. VALLETTA, S. RENGO, G. SPAGNUOLO</p> <p><i>(Department of Neurosciences, Reproductive and Odontostomatological Sciences, Federico II, University of Naples Federico II, Naples, Italy)</i></p>



<b>DENTAL MATERIALS: COLOR AND APPEARANCE (ESTHETICS)</b>	
<b>P314</b>	<b>Impact of Colour-Vision Deficits on Shade Selection Among Dental Students.</b> A. MONTEIRO*, A. DELGADO, H. VALENTE, A. AZUL <i>(Centro de Investigação Interdisciplinar Egas Moniz (CiiEM), LISBON, Portugal)</i>
<b>SP315</b>	<b>Efficacy of Three Different Bleaching Techniques - Randomized Controlled Trial.</b> S. DIAS*, R. PEREIRA, J. SILVEIRA, A. CARDOSO, P. FERNANDES, A. MATA, D. MARQUES <i>(Faculty of Dental Medicine of Universidade de Lisboa, Lisboa, Portugal)</i>
<b>P316</b>	<b>Color Change of Universal Composites After Polishing.</b> M.V. FUENTES*, P. TERCEÑO, A. NAVARRO, S. DE LA TORRE, I. GIRALDEZ, L. CEBALLOS <i>(IDIBO Research Group, Rey Juan Carlos University, Alcorcón, Madrid, Spain)</i>
<b>P317</b>	<b>Color Stability of One-Sade Resin Composites After Immersion in Beverages.</b> I. GIRALDEZ*, P. TERCEÑO, S. DE LA TORRE, A. NAVARRO, L. CEBALLOS, M.V. FUENTES <i>(IDIBO Research Group, Rey Juan Carlos University, ALCORCÓN, Spain)</i>
<b>SP349</b>	<b>Translucency and Value of CAD/CAM Glass-Ceramic Veneers After Hydrothermal Aging.</b> T. UNAL*, E. CAN SAY <i>(Restorative Dentistry, Yeditepe University, Faculty of Dentistry, Istanbul, Turkey)</i>
<b>DENTAL MATERIALS: CLINICAL TRIALS</b>	
<b>P319</b>	<b>Sixty-Month Follow-up of a Glass Hybrid in NCCLs.</b> S. GURGAN*, U. KOC VURAL, E. MERAL, E. ERGIN <i>(Restorative Dentistry, Hacettepe University, Ankara, Turkey)</i>
<b>P320</b>	<b>Clinical Evaluations of a Capsuled Glass-Ionomer-Cement Containing BioUnion Filler.</b> A.ASANO, M. NODA*, Y. NISHITANI, H. SHIGA, M. ITO, Y. CHIDA, A. KATSUMATA, S. SHIMIZU, T. NISHITANI, T. HOSHIKA <i>(School of Dentistry, Iwate Medical University, Morioka, Iwate, Japan)</i>
<b>P322</b>	<b>Gingival Displacement Systems Efficacy Before Impression: Multicenter Randomized Clinical Trial.</b> H. COLOMBEL, M. J. DAUTEL, F. BASLE, J. RUBIN, D. BASLE, H. ABGRALL, F. DELANOUE, V. BAR, M. THEVENIAU, N. DONMEZ, F. BENABDALLAH* <i>(MEDICAL AFFAIRS DEPARTMENT, SEPTODONT, Paris, Ile de France, France)</i>
<b>P350</b>	<b>4-Years Clinical Performance of Glass-Hybrid and Composite in Multi-Center Trial.</b> I. MILETIC*, A. BARABA, M. BASSO, M.G. PULCINI, T. PERIC, D. MARKOVIC, C. OZKAYA, L.S. TURKUN <i>(Department of Endodontics and Restorative Dentistry, School of Dental Medicine, University of Zagreb, Zagreb, Croatia)</i>

MINERALIZED TISSUE	
SP323	<b>The Importance of Dental Cement in Determining Dental age.</b> M. BIRIMIŠA, J. DUMANČIĆ, M. VODANOVIĆ, S. ANIĆ MILOŠEVIĆ, H. BRKIC* <i>(Department of Dental Anthropology, University of Zagreb, Zagreb, Croatia)</i>
SP325	<b>Evaluating Buccal and Occlusal Polished Enamel Surfaces Following Erosion.</b> A. ALMANSOUR*, D. BARTLETT, O. ADDISON <i>(King's College London, London, United Kingdom)</i>
SP326	<b>Angiogenic and Osteogenic Potentials of an Injectable Lysine Dendrigrft Hydrogel.</b> A. COTTEN*, S. ROUMANI, M. PITHIOUX, C. JEANNEAU, I. ABOUT <i>(Aix-Marseille Université, Centre National de la Recherche Scientifique, Institut des Sciences du Mouvement, Marseille, France)</i>
SP327	<b>Comparison of Cell Detachment and Counting Procedures of Osteoblasts Cultured on Titanium Surfaces.</b> O. YEVLASHEVSKAYA*, B. SCHEVEN, A. WALMSLEY, R. SHELTON <i>(School of Dentistry, University of Birmingham, Birmingham, United Kingdom)</i>
SP328	<b>Structure of Human Tooth Enamel Tuft Revealed by Microtomography.</b> A. DESOUTTER*, I. PANAYOTOV, F. CUISINIER, D. CARAYON <i>(LBN, Univ. Montpellier, Montpellier, France)</i>
SP329	<b>Impact of Passive Ultrasonic Irrigation on Radicular Dentin.</b> M. BARÓN*, V. PEREZ, M. SERRANO, N. ESCRIBANO, L. CEBALLOS <i>(IDIBO RESEARCH GROUP, Chemical and Environmental Technology, Rey Juan Carlos University, Madrid, Spain)</i>
NETWORK FOR PRACTICE-BASED RESEARCH	
SP331	<b>Minimal Intervention Dentistry for Children with Caries - a Feasibility Study.</b> B. DAWETT*, D. PAPAIOANNOU, A. BANERJEE, C. DEERY, Z. MARSHMAN <i>(School of Clinical Dentistry, University of Sheffield, Sheffield, United Kingdom)</i>



## ORAL & MAXILLOFACIAL SURGERY RESEARCH

<b>SP333</b>	<p><b>A Novel TGF-<math>\beta</math>3-Derived Chondroinductive Peptide to Promote Chondrogenesis.</b></p> <p>M. ZHU*, W. ZHONG, S. JIANG, X. LI, W. CAO, T. FOROUZANFAR, Q. ZHANG, G. WU</p> <p><i>(Oral and Maxillofacial Surgery/Pathology, Amsterdam UMC and Academic Center for Dentistry Amsterdam (ACTA), Vrije Universiteit Amsterdam (VU), Amsterdam Movement Science (AMS), Amsterdam, Netherlands)</i></p>
<b>P334</b>	<p><b>Measuring Quality-of-Life After Customized TMD-Treatment; What Affects It Most?</b></p> <p>H.H. LEE*, V. BULL</p> <p><i>(Tannhelsetjenestens Kompetansesenter Rogalad, Stavanger, Norway)</i></p>
<b>P337</b>	<p><b>Anti-Fungal Effects of CMFs on MRONJ and Diabetic Foot.</b></p> <p>A. CIPOLLINA*, M. PETRINI, M. TUMEDEI, A. PIATTELLI, E. DAOU</p> <p><i>(Private practice, Sciacca, Agrigento, Italy)</i></p>
<b>SP338</b>	<p><b>Impact of COVID-19 on Head and Neck Cancer Presentation.</b></p> <p>M. MCALLISTER*, N. MARKEY, C. MOORE, G. MCKENNA</p> <p><i>(Centre for Dentistry, Queen's University Belfast, Belfast, United Kingdom)</i></p>
<b>SP351</b>	<p><b>Antimicrobial CHX-CaCl<sub>2</sub> Particle Coatings for use on Maxillofacial Fixation Devices.</b></p> <p>H. ALOSTATH*, S. HOLMES, D. GOULD, G. SUKHORUKOV, M. CATTELL</p> <p><i>(Centre for Oral Bioengineering, Queen Mary University of London, London, United Kingdom)</i></p>

## PHARMACOLOGY/THERAPEUTICS/TOXICOLOGY

<b>P341</b>	<p><b>How did Containment Measures Affect Dental Prescribing Patterns During COVID-19?</b></p> <p>I. SUTEJ*, K. PEROŠ, K. BAŠIĆ</p> <p><i>(Pharmacology, School of Dental medicine University in Zagreb, Zagreb, Croatia)</i></p>
-------------	---

## PROSTHODONTICS RESEARCH

<b>SP342</b>	<p><b>Trueness and eco-Efficiency Analysis of the Support Structure Reduction for SLA Printed Maxillary Denture.</b></p> <p>S. NAMANO*, K. MANABU, A. KATHENG, B. TRANG, H. TAMAKI, Y. KOMAGAMINE, M. IWAKI, S. MINAKUCHI</p> <p><i>(Gerodontology and Oral Rehabilitation, Tokyo Medical and Dental University, Tokyo, Tokyo, Japan)</i></p>
<b>P343</b>	<p><b>Comparison of Algorithm-Based Occlusion Method with Classical Occlusion Alignment Method.</b></p> <p>J.-P. LUYCKX*, C. PARISE GRÉ, F.-X. COCH</p> <p><i>(GC Manufacturing Europe N.V., Leuven, Belgium)</i></p>



<b>SP344</b>	<p><b>Evaluation of the Shape Accuracy of Pre-Sintered Co-Cr Alloy Clasps.</b> Y. KATO*, A. TASAKA, S. UZAWA, S. YAMASHITA <i>(Department of Removable Partial Prosthodontics, Tokyo Dental College, Chiyoda, Japan)</i></p>
<b>P345</b>	<p><b>Differents Direction on Precision of Temporary Bridges Using 3D Printers.</b> C. IBAÑEZ*, J. ATALA, M. FUENTES, D. NOROÑA, J. CACCIAMANO, M. JUAREZ PEÑALBA, M. MAGLIONE <i>(Oral Rehabilitation, National University of Cordoba, Cordoba, Cordoba, Argentina)</i></p>
<b>SP346</b>	<p><b>Digital Evaluation of the Fit of Screw-Retained Implant-Supported Prosthesis.</b> D. KULES*, V. RUTKUNAS, J. DIRSE, I. MISCHITZ, C. LARSSON, M. JANDA <i>(Institute of Dentistry, Vilnius University, Faculty of Medicine, Vilnius, Lithuania)</i></p>
<b>SP348</b>	<p><b>Accuracy of Pure Titanium RPD Frameworks Using Various CAD/CAM Techniques.</b> K. ITO*, A. TASAKA, H. KOBAYASHI, S. NAKATA, S. YAMASHITA <i>(Department of Removable Partial Prosthodontics, Tokyo Dental College, Chiyoda, Tokyo, Japan)</i></p>
<b>SP352</b>	<p><b>Clinical Outcomes of 3D-Printed Bridges on Immediately Loaded Implants.</b> M. SMEBY-LERSTAD*, C. SCHRIWER, E. SALVESEN <i>(University of Bergen, Bergen, Norway)</i></p>
<b>CARIOLOGY RESEARCH-MICROBIOLOGICAL STUDIES/BIOFILM</b>	
<b>SP353</b>	<p><b>Enamel Demineralization Caused by Various Carbohydrates Challenges - in Vitro Evaluation.</b> Y. LOUZON*, A. WOLFOVIZ ZILBERMAN, Y. HOURI-HADDAD, N. BEYTH <i>(Department of Prosthodontics, The Hebrew University - Faculty of Dental Medicine, Nir israel, HOF ASHQELON, Israel)</i></p>
<b>SP354</b>	<p><b>The Effect of Coca-Cola Zero® and S. Mutans on Enamel Demineralization- in Vitro Evaluation.</b> I. VAKNIN*, A. WOLFOVIZ ZILBERMAN, Y. HOURI-HADDAD, N. BEYTH <i>(Department of Prosthodontics, The Hebrew University- Faculty of Dental Medicine, Ramat Yishay, Israel)</i></p>
<b>ORAL MEDICINE &amp; PATHOLOGY RESEARCH</b>	
<b>SP355</b>	<p><b>Oral Squamous Cell Carcinoma Diagnosis From Salivary Amino Acid Profile.</b> D. MOJUMDER*, M. AKHTER, M. HASAN, M. HASAN, M. KHAN <i>(Oral and Maxillofacial Surgery, Bangabandhu Sheikh Mujib Medical University, Dhaka, Dhaka, Bangladesh)</i></p>

