

**Wednesday, 15. June 2022**

*E-Posters*

09:00 - 18:00

**Peri-implant diseases - aetiology, diagnosis and risk factors (Poster Research)**

PR292	<b>Immunological cell characterization of human peri-implantitis lesions</b> <i>Abstract Presenter:</i> Ofir Ginesin, IL	09:00 - 09:00
PR293	<b>IL-1 gene polymorphisms and peri-implantitis</b> <i>Abstract Presenter:</i> José Cardoso, PT	09:00 - 09:00
PR294	<b>Biomarker expression of peri-implantitis lesions before and after treatment: a Systematic Review</b> <i>Abstract Presenter:</i> Haniyeh Moaven*, GB	09:00 - 09:00
PR295	<b>Endoscopical detection of prosthetic residual cement and its correlation to peri-implant condition</b> <i>Abstract Presenter:</i> Leoluca Valeriani, IT	09:00 - 09:00
PR296	<b>Threaded vs. thread-free collar type implant – an experimental in vivo study</b> <i>Abstract Presenter:</i> Liat Chaushu, IL	09:00 - 09:00
PR297	<b>The effect of brushing discomfort on peri-implant tissues health in sites exhibiting inadequate keratinized mucosa width</b> <i>Abstract Presenter:</i> Jeniffer Perussolo, BR	09:00 - 09:00
PR298	<b>Prevalence of peri-implant diseases and risk indicators for an internal conical connection implant system: a multi-center cross-sectional study</b> <i>Abstract Presenter:</i> Roberta Michels, BR	09:00 - 09:00
PR299	<b><i>porphiromonas gingivalis</i> and <i>fusobacterium spp.</i> incidence in different peri-implant conditions</b> <i>Abstract Presenter:</i> Marija Jezdic, RS	09:00 - 09:00
PR300	<b>Non-periodontal versus periodontal treated patients: evaluation of the survival rate: a retrospective cohort study</b> <i>Abstract Presenter:</i> Ana Moreira, PT	09:00 - 09:00
PR301	<b>Notch signalling cascade and pro-inflammatory mediators in peri-implant lesions with different RANKL/OPG ratios</b> <i>Abstract Presenter:</i> Ana Djinic Krasavcevic, RS	09:00 - 09:00
PR302	<b>Periodontal condition of sites placed mini-implants during orthodontic treatment</b> <i>Abstract Presenter:</i> Mehmet Selim Yildiz, TR	09:00 - 09:00
PR303	<b>Active MMP-8 as biomarker of peri-implant health or disease</b> <i>Abstract Presenter:</i> Vithleem Xanthopoulou, GR	09:00 - 09:00
PR304	<b>Molecular changes in tissue associated with titanium dental implants - a systematic review of omics studies</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Lena Freitag, DE	
PR305	<b>Marginal bone loss around dental implants with TiUnite surface: a radiographic retrospective analysis</b> <i>Abstract Presenter:</i> Evangelos Papathanasiou, US	09:00 - 09:00
PR306	<b>One-abutment-one-time vs. standard protocol: a matched pairs analysis of the peri-implant tissues</b> <i>Abstract Presenter:</i> Ralph Gunnar Luthardt, DE	09:00 - 09:00
PR307	<b>Influence of periodontitis, implant and prosthesis characteristics on the peri-implant status: a cross-sectional study</b> <i>Abstract Presenter:</i> Elisabeth Ibrahim, FR	09:00 - 09:00
PR308	<b>Prevalence of peri-implant diseases and clinical characteristics for an internal conical connection implant system: part II of a multi-center cross-sectional study</b> <i>Abstract Presenter:</i> Roberta Michels, BR	09:00 - 09:00
PR309	<b>Active MMP-8 point-of-care enzyme-test as an adjunctive tool for early and real-time diagnosis of peri-implantitis</b> <i>Abstract Presenter:</i> Hanna Lähtenmäki, FI	09:00 - 09:00
PR310	<b>Association between smoking and peri-implant diseases: a retrospective study</b> <i>Abstract Presenter:</i> Maria Costanza Soldini, ES	09:00 - 09:00

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**Periodontal therapy – step 2: subgingival instrumentation and adjunctive therapies (Poster Clinical)**

PC016	<b>Clinical evaluation of a novel combination of sodium hypochlorite and crosslinked hyaluronic acid adjunctive to non-surgical periodontal treatment: a case series</b> <i>Abstract Presenter:</i> Egle Ramanauskaite, LT	09:00 - 09:00
PC017	<b>Clinical case report: bone regeneration in vertical bony defect</b> <i>Abstract Presenter:</i> Hamna Qurashi, GB	09:00 - 09:00
PC019	<b>Non-surgical management of a severe drug related gingival enlargement: 3 years follow-up clinical case</b> <i>Abstract Presenter:</i> Isabel Poiares Baptista, PT	09:00 - 09:00
PC020	<b>Chloramine gel and hyaluronic acid gel enhance effect of non-surgical instrumentation in persistent residual periodontal pockets – preliminary report from a clinical case series</b> <i>Abstract Presenter:</i> Pheline Liedloff, DE	09:00 - 09:00
PC021	<b>Adjunctive use of sodium lauryl sulphate during step 2 periodontal therapy in stage II-III grade B periodontitis: a pilot study</b> <i>Abstract Presenter:</i> Jennifer Bunke, DE	09:00 - 09:00

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**Basic concepts, diagnosis and risk factors in Implant Dentistry (Poster Research)**

PR243	<b>Assessment of anterior maxillary labial bone thickness using cone beam computed tomography: a retrospective analysis</b> <i>Abstract Presenter:</i> Fawaghi Al Ali, AE	09:00 - 09:00
PR244	<b>Sealing efficacy of the original and third party custom – made abutments – microbiological in vitro pilot study</b> <i>Abstract Presenter:</i> Roko Bjelica, HR	09:00 - 09:00
PR245	<b>Effect of very heavy smoking on hard and soft tissue parameters: a randomized prospective controlled clinical trial</b> <i>Abstract Presenter:</i> Eli Regev, IL	09:00 - 09:00
PR246	<b>Effect of naringenin on synthesis and activity of matrix metalloproteinases induced by zoledronic acid in a peri-implant in vitro model</b> <i>Abstract Presenter:</i> Lais Medeiros Cardoso, BR	09:00 - 09:00
PR247	<b>Histomorphometric analysis of bone formation using hydrophilic implants in rats with high-dose systemic alendronate administration</b> <i>Abstract Presenter:</i> Julio Cesar Sánchez-Puetate, BR	09:00 - 09:00
PR248	<b>Role of vascularization and bone type during implant placement on the peri-implant bone stability: a 2-year follow-up prospective clinical trial</b> <i>Abstract Presenter:</i> Ana Castro, BE	09:00 - 09:00
PR249	<b>Effect of smoking on implant stability at the time of implant uncovering</b> <i>Abstract Presenter:</i> Jelena Prpi?, HR	09:00 - 09:00
PR250	<b>Experimental and statistical study of the interproximal contact loss between implant-supported fixed prostheses and adjacent teeth</b> <i>Abstract Presenter:</i> Anastasiia Shefova, RU	09:00 - 09:00
PR251	<b>Digital evaluation of the dimensional changes following tooth extraction – a pilot study</b> <i>Abstract Presenter:</i> Maria Inês Pinto, PT	09:00 - 09:00
PR252	<b>Clinical and molecular outcomes of peri-implant tissue during the first year of functional loading</b> <i>Abstract Presenter:</i> Anastasia Violesti, GR	09:00 - 09:00
PR253	<b>Comparison of two risk assessment score model significance in peri-implantitis occurrence during periodontal and implant maintenance: a preliminary long-term retrospective cohort study</b> <i>Abstract Presenter:</i> Alexia Larderet, FR	09:00 - 09:00
PR254	<b>The surface of the interdental papillary "house" in relation to the presence of the interproximal papilla at single-tooth</b>	09:00 - 09:00

## implants

*Abstract Presenter:* Quentin Dupré, FR

PR255	<b>Retrospective cohort study of bone level implants up to 7 years of follow-up</b> <i>Abstract Presenter:</i> Doriane Chacun, FR	09:00 - 09:00
PR256	<b>Biology of early healing of two different sandblasted, large grit, acid-etched implant surfaces (SLAs)</b> <i>Abstract Presenter:</i> Blanca Vílchez de la Fuente, ES	09:00 - 09:00
PR257	<b>Medication-related osteonecrosis of the jaw triggered by functionally loaded implants</b> <i>Abstract Presenter:</i> Enrique Barbeito Castro, ES	09:00 - 09:00

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### Aetiology and pathogenesis of periodontal diseases (Poster Clinical)

PC001	<b>Management of mandibular peripheral ossifying fibroma: a 1-year follow up case report</b> <i>Abstract Presenter:</i> Engku Ahmad Muzhaffar, MY	09:00 - 09:00
PC002	<b>Multidisciplinary treatment of stage IV grade C periodontitis patient with Behçet's disease: a two-year follow-up case report</b> <i>Abstract Presenter:</i> Cansu Can Yasar, TR	09:00 - 09:00
PC003	<b>Lichenoid contact reaction of gingiva caused by oral care product use: a case report</b> <i>Abstract Presenter:</i> Muhammet Burak Yavuz, TR	09:00 - 09:00
PC004	<b>Irritation fibroma of the oral cavity: two case reports</b> <i>Abstract Presenter:</i> Nichal Sal?, TR	09:00 - 09:00
PC005	<b>Labial pyogenic granuloma: a case report</b> <i>Abstract Presenter:</i> Dennisse Bocanegra Morando, MX	09:00 - 09:00
PC006	<b>Clinical, histological diagnosis and treatment of an Pyogenic Granuloma: a case report</b> <i>Abstract Presenter:</i> Yesenia Isahy Ponce Gómez, MX	09:00 - 09:00
PC007	<b>Surgical approach to impacted canines associated with two dentigerous cysts and one odontoma: case report</b> <i>Abstract Presenter:</i> Melissa Martínez Nieto, MX	09:00 - 09:00

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### Periodontal therapy – step 1: risk factor and supragingival biofilm control (Poster Research)

PR059	<b>Diluted home bleach as a safe effective and inexpensive alternative to chlorhexidine as pre procedural mouth rinse in periodontal therapy</b> <i>Abstract Presenter:</i> Baiju Radhamoni Madhavanpillai, IN	09:00 - 09:00
PR060	<b>Prediction of probiotic inhibition of pathobionts in periodontal</b>	09:00 - 09:00

	<b>biofilms through flow cytometric analysis of probiotic cell free supernatant</b> <i>Abstract Presenter:</i> Wannes Van Holm, BE	
PR061	<b>Effect of air-polishing using erythritol on surface roughness of enamel and dentine compared to conventional methods</b> <i>Abstract Presenter:</i> Ann-Sophie Burkhardt, DE	09:00 - 09:00
PR062	<b>Effect of toothbrushing frequency on plaque control in adults – a systematic review</b> <i>Abstract Presenter:</i> Carin A. Steinberg, CH	09:00 - 09:00
PR063	<b>Can probiotics improve the oral health?</b> <i>Abstract Presenter:</i> María Laura Giovannoni, ES	09:00 - 09:00
PR064	<b>Treatment of generalized gingivitis reduces systemic inflammation and enhances oral health-related quality of life: a randomized clinical trial</b> <i>Abstract Presenter:</i> Marina Peric, IT	09:00 - 09:00
PR065	<b>Adjunctive benefits of chlorhexidine toothpastes associated to chlorhexidine mouthrinses versus chlorhexidine mouthrinses alone. A retrospective study</b> <i>Abstract Presenter:</i> Matteo Basso, IT	09:00 - 09:00

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**Dental Implants & Peri-implant Diseases - Other topics (Poster Research)**

PR330	<b>Dental implant surface morphology, topography, and chemical composition following double wavelength (2780/940 nm) laser irradiation in vitro</b> <i>Abstract Presenter:</i> Peter Fahlstedt, NO	09:00 - 09:00
PR331	<b>Primary closure after alveolar ridge preservation: does it really matter?</b> <i>Abstract Presenter:</i> Momen Atieh, AE	09:00 - 09:00
PR332	<b>Bacterial growth on three non-resorbable polytetrafluoroethylene (PTFE) membranes for guided bone regeneration. An in vitro study</b> <i>Abstract Presenter:</i> Gil Slutzkey, IL	09:00 - 09:00
PR333	<b>The factors influencing implant primary stability as measured by different torque devices: Osstell, Penguin Implant Stability Quotient and Insertion Torque – an in vitro study</b> <i>Abstract Presenter:</i> Perry Raz, IL	09:00 - 09:00
PR334	<b>Non-surgical treatment of peri-implantitis with or without systemic antibiotics; a randomized controlled clinical trial</b> <i>Abstract Presenter:</i> Angeliki Polymeri, NL	09:00 - 09:00
PR335	<b>microRNA (miRNA) as a potential predictive biomarker for peri-implant diseases: a systematic review</b> <i>Abstract Presenter:</i> Nurul Latifah Zainal Abidin, MY	09:00 - 09:00

PR336	<b>Histomorphometry and immunohistochemistry of xenogeneic collagen matrix for soft tissue manipulation in humans: randomized clinical trial</b> <i>Abstract Presenter:</i> Renata Cimões, BR	09:00 - 09:00
PR337	<b>Investigation of <i>Porphyromonas gingivalis</i> adhesion to polyetheretherketone (PEEK), titanium and zirconia implant surfaces</b> <i>Abstract Presenter:</i> Anongwee Leewananthawet, TH	09:00 - 09:00
PR338	<b>The race for applicable antimicrobial dental implant surfaces to fight biofilm-related disease: advancing in laboratorial studies vs. stagnation in clinical application</b> <i>Abstract Presenter:</i> Erica de Avila, BR	09:00 - 09:00
PR339	<b>Inflammatory response and tissue integration of allogeneic acellular dermal matrix in a mice model</b> <i>Abstract Presenter:</i> Jaime Jacques, CL	09:00 - 09:00
PR340	<b>The evaluation of serum IL-6 and sST-2 concentrations in peri-implant diseases: a pilot study</b> <i>Abstract Presenter:</i> Engin Ozgur, TR	09:00 - 09:00
PR341	<b>Effect of insertion angle and cortical bone thickness on stress distribution generated by a custom-made orthodontic mini-implant</b> <i>Abstract Presenter:</i> Horia Calniceanu, RO	09:00 - 09:00
PR342	<b>Bone defect development in experimental canine peri-implantitis models: a systematic review</b> <i>Abstract Presenter:</i> Alex Solderer, CH	09:00 - 09:00
PR343	<b>Maintenance of preload in different implant abutment connection designs - in vivo study</b> <i>Abstract Presenter:</i> Ana Sofia Vinhas, PT	09:00 - 09:00
PR344	<b>Commercially available titanium and zirconia implants with a body-to-collar alternating surface. A SEM and EDX analysis of surface consistency and cleanliness at the transition zone</b> <i>Abstract Presenter:</i> Roland Glauser, CH	09:00 - 09:00
PR345	<b>Titanium-coated with poly(lactic?co?glycolic) acid loading cranberry extract to functionalize dental prosthetic abutments</b> <i>Abstract Presenter:</i> Luiza Oliveira Matos, BR	09:00 - 09:00
PR346	<b>The effect of type of specialty and long-term experience on early implant failure. A retrospective big-data study</b> <i>Abstract Presenter:</i> Tali Chackartchi, IL	09:00 - 09:00
PR347	<b>The relationship between implant stability quotient and tapered implants exposed to circumferential defects</b> <i>Abstract Presenter:</i> Muhammad Hamza Shaikh, PK	09:00 - 09:00
PR348	<b>Factor associated with patient satisfaction following dental implant therapy in partial edentulous patients</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Kajorn Kungsadalpipob, TH	
PR349	<b>?Correlation of keratinized tissue width and periodontal indices around implant-supported fixed partial dentures</b> <i>Abstract Presenter:</i> Ilnaz Farhoudi, IR	09:00 - 09:00
PR350	<b>Association of flap tension with flap design and graft volume in soft tissue augmentations – a cadaver study on pig</b> <i>Abstract Presenter:</i> Miha Pirc, CH	09:00 - 09:00
PR351	<b>Titanium chip preparation for fluorescence in-situ hybridization of oral biofilms</b> <i>Abstract Presenter:</i> Sven Meyle, DE	09:00 - 09:00
PR352	<b>Morphology and cell spreading of gingival fibroblasts on titanium surfaces conditioned by cold atmospheric plasma coating or air polishing</b> <i>Abstract Presenter:</i> Petra Schmage, DE	09:00 - 09:00
PR353	<b>A 3-to 34-year retrospective study on 121 turned or anodized surface implants: clinical and radiographic results</b> <i>Abstract Presenter:</i> Massimo Del Pizzo, IT	09:00 - 09:00

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**Periodontal therapy – step 1: risk factor and supragingival biofilm control (Poster Clinical)**

PC012	<b>Air polishing biofilm management in periodontal flow</b> <i>Abstract Presenter:</i> Gabriela Guadalupe Zambrano Manzaba, MX	09:00 - 09:00
PC013	<b>Do Saliva and subgingival plaque levels of periodontopathogenic bacteria change after treatment of drug-influenced enlargement? A case report</b> <i>Abstract Presenter:</i> Ceren Bayraktar, TR	09:00 - 09:00
PC014	<b>Pyogenic granuloma (pregnancy tumor) in pregnancy gingivitis: a case report</b> <i>Abstract Presenter:</i> Sevilay Yeginoglu Ekici, TR	09:00 - 09:00
PC015	<b>Experience in the use of experimentally developed dental ointment based on bee products (<i>Galleria melonella</i>)</b> <i>Abstract Presenter:</i> Nadezhda Vasilyeva, RU	09:00 - 09:00

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**Periodontal therapy – step 3: periodontal surgery and periodontal regeneration (Poster Research)**

PR096	<b>Prerestorative crown lengthening surgery outcomes: influence of periodontal phenotype</b> <i>Abstract Presenter:</i> Georgia Malamoudi, GR	09:00 - 09:00
PR097	<b>Comparison of different artificial bone substitutes for periodontal regeneration in a canine 1-wall defect model</b> <i>Abstract Presenter:</i> Shunsuke Takeuchi, JP	09:00 - 09:00

Scientific program

PR098	<b>The administration of injectable platelet-rich fibrin for creeping attachment on gingival recessions</b> <i>Abstract Presenter:</i> Busra Terzioglu, TR	09:00 - 09:00
PR099	<b>Development of hesperitin nanofibers and <i>in vitro</i> evaluation of their effects on inflammatory cells and bone metabolism</b> <i>Abstract Presenter:</i> Patricia Milagros Maquera Huacho, BR	09:00 - 09:00
PR100	<b>Clinical benefits, patients' oral health-related quality of life and cost-effectiveness analysis in the management of residual periodontal pockets: a pilot study</b> <i>Abstract Presenter:</i> Nurul Qamar Salehuddin, MY	09:00 - 09:00
PR101	<b>Adhesion and biofilm formation of <i>Aggregatibacter actinomycetemcomitans</i> on dPTFE membrane and dentine</b> <i>Abstract Presenter:</i> Davor Kuiš, HR	09:00 - 09:00
PR102	<b>Modified minimally invasive technique with incomplete removal of granulation tissue. A novel technique. Case series</b> <i>Abstract Presenter:</i> Ahmed Ibrahim, EG	09:00 - 09:00
PR103	<b>Cytotoxicity and cytocompatibility test of two different dermal matrices used for periodontal/peri-implant soft tissue regeneration: an in vitro analysis of pre-hydrated and dry form</b> <i>Abstract Presenter:</i> Rodolfo Reda, IT	09:00 - 09:00
PR104	<b>Long-term stability 10 years after regenerative treatment of infrabony defects: a retrospective two-center cohort-study</b> <i>Abstract Presenter:</i> Ilona Koronna, DE	09:00 - 09:00
PR105	<b>Histological evaluation of cross-linked hyaluronic acid-gel with or without a collagen matrix for periodontal wound healing/regeneration of class ? furcation defects in dogs</b> <i>Abstract Presenter:</i> Yoshinori Shirakata, JP	09:00 - 09:00
PR106	<b>The effectiveness of hydroxyapatite in dental socket preservation. A systematic review</b> <i>Abstract Presenter:</i> Nurul Saadah Razali, MY	09:00 - 09:00
PR107	<b>Platelet rich fibrin with or without xenograft in the regenerative treatment of intrabony periodontal defects in smokers and non-smokers: a randomized clinical trial</b> <i>Abstract Presenter:</i> Fatih Karayürek, TR	09:00 - 09:00
PR355	<b>The flap design in periodontal regenerative procedure: a workflow</b> <i>Speaker:</i> Shlomo Via, IL	09:00 - 09:00

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**Periodontal therapy – step 3: periodontal surgery and periodontal regeneration (Poster Clinical)**

PC022	<b>Regeneration of a periodontal lesion by a minimally invasive surgical approach</b> <i>Abstract Presenter:</i> Elsa Eskenazi-Solal, FR	09:00 - 09:00
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PC023	<b>Palatogingival groove management in periodontal regeneration on a maxillary lateral incisor: a case-report</b> <i>Abstract Presenter:</i> Yvan Gaudex, FR	09:00 - 09:00
PC024	<b>Regenerative treatment of deep periodontal intrabony defects associated with endoperiodontal lesions: a case series, 12 months follow-up</b> <i>Abstract Presenter:</i> Pedro Lopes Otão, PT	09:00 - 09:00
PC025	<b>A multidisciplinary approach combining periodontal and orthodontic treatment in a periodontitis stage III, grade C patient: a case report</b> <i>Abstract Presenter:</i> Eddy Shan, ES	09:00 - 09:00
PC026	<b>Managements of furcation lesions treated according to the individual condition of each tooth - a case report</b> <i>Abstract Presenter:</i> Yoshitaka Kubota, JP	09:00 - 09:00
PC027	<b>Periodontal regeneration of poor prognosis teeth with attachment loss involving the apex</b> <i>Abstract Presenter:</i> Ethan Ng, SG	09:00 - 09:00
PC028	<b>Interest of Platelet-Rich Fibrin (PRF) for the surgical treatment of intrabony defects : a narrative review of the literature illustrated by a case-report series</b> <i>Abstract Presenter:</i> Matthieu Fiquet, FR	09:00 - 09:00
PC029	<b>Peripheral giant cell granuloma: a case report</b> <i>Abstract Presenter:</i> Isil ?pek, TR	09:00 - 09:00
PC030	<b>Is it power plant? Peripheral? Giant cell granuloma: an annual case report</b> <i>Abstract Presenter:</i> Sevim Tek, TR	09:00 - 09:00
PC031	<b>Advanced endo-periodontal lesion – a successful story of multidisciplinary treatment: case report</b> <i>Abstract Presenter:</i> Fidan Bahtiar Ismail, RO	09:00 - 09:00
PC032	<b>Comparison of temporary covered epithelialized palatal graft vs. Conventional epithelialized palatal graft for vestibular extension around dental implants</b> <i>Abstract Presenter:</i> Kevin Winegar, US	09:00 - 09:00
PC033	<b>Surgical therapy of severe external cervical resorption in the esthetic zone</b> <i>Abstract Presenter:</i> Boris Pazin, HR	09:00 - 09:00
PC034	<b>Photographic dimensional analysis of free gingival grafting in anterior keratinized gingival deficiency - 3-year follow-up report</b> <i>Abstract Presenter:</i> Mutlu Keskin, TR	09:00 - 09:00
PC035	<b>Supra alveolar periodontal tissue reconstruction in case with severe periodontitis in maxillary anterior teeth: a 1 year follow-up of case report</b> <i>Abstract Presenter:</i> Yudai Ogawa, JP	09:00 - 09:00

PC036	<b>Management of gingival recession with coronally advanced flap and concentrated growth factors: case report</b> <i>Abstract Presenter:</i> Nur Shahira Azmi, MY	09:00 - 09:00
PC037	<b>Gingival enlargement induced by Felodipine: a case report</b> <i>Abstract Presenter:</i> Nor Azira Zahadi, MY	09:00 - 09:00
PC038	<b>Twenty-eight years follow-up of endo-periodontal lesion: a case-report</b> <i>Abstract Presenter:</i> Mayra Sofia Callejas Rivera, GT	09:00 - 09:00
PC039	<b>Mucogingival approach of a vertical defect associated with a tooth deformity in a upper lateral incisor – a case report – 1 year follow-up</b> <i>Abstract Presenter:</i> Adrian Stefan Petrutiu, RO	09:00 - 09:00
PC040	<b>Treatment of intrabony defects with a new-generation PRF (one year follow-up case series)</b> <i>Abstract Presenter:</i> Bálint Czufor, HU	09:00 - 09:00
PC041	<b>A clinical case report of periodontal regeneration therapy using FGF-2 in patients with severe periodontal disease</b> <i>Abstract Presenter:</i> Kosuke Fukumoto, JP	09:00 - 09:00
PC042	<b>Periodontal regeneration of a hopeless upper canine with attachment loss to the apex</b> <i>Abstract Presenter:</i> Nikos Markou, GR	09:00 - 09:00
PC043	<b>Intentional re-implantation of a tooth with severe periodontal destruction</b> <i>Abstract Presenter:</i> Panagiotis Ntovas, GR	09:00 - 09:00
PC044	<b>Periodontal reconstruction at hopeless central maxillary incisor with an endo-perio lesion beyond the apex by the interproximally connected flap</b> <i>Abstract Presenter:</i> Giacomo Baima, IT	09:00 - 09:00
PC045	<b>Surgical management of gummy smile by periodontal subtractive surgery: a 3-cases report</b> <i>Abstract Presenter:</i> Angéline Antezack, FR	09:00 - 09:00
PC046	<b>Alveolar crest preservation with root submergence and pontic shield techniques: case reports</b> <i>Abstract Presenter:</i> Zeki Kaçar, TR	09:00 - 09:00
PC047	<b>Treatment of class III furcation involvement using autogenous tooth graft (ATB) with or without EMD. A case report with 2 year follow-up</b> <i>Abstract Presenter:</i> Zsuzsanna Papp, HU	09:00 - 09:00
PC048	<b>The use of synthetic non-resorbable barrier membrane in alveolar ridge preservation technique: a case series</b> <i>Abstract Presenter:</i> Khairun Niza Termizi, MY	09:00 - 09:00
PC049	<b>Bio-shield regenerative approach for the treatment of non-contained infrabony periodontal defects</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Sérgio Matos, PT	
PC050	<b>Laterally closed tunnel technique in the treatment of deep isolated gingival recession: a case report with 2-years follow-up</b> <i>Abstract Presenter:</i> Andreas Pabst, DE	09:00 - 09:00
PC051	<b>Clinical outcomes of periodontal regeneration with carbonate apatite in treatments of intrabony defects, Class II and Class II furcation involvement: a 9-month prospective case series</b> <i>Abstract Presenter:</i> Shunsuke Fukuba, JP	09:00 - 09:00
PC052	<b>Periodontal treatment approach in gingival salivary gland choristoma: a case report</b> <i>Abstract Presenter:</i> Selin Babal?, TR	09:00 - 09:00
PC053	<b>Tunnel-like minimally invasive surgical technique with a long-term resorbable, collagen membrane in the regenerative treatment of combined intra-suprabony defects. A case report</b> <i>Abstract Presenter:</i> Fanni Bolya-Orosz, HU	09:00 - 09:00
PC054	<b>Treatment of a 15-year-old patient diagnosed with localized stage III periodontitis grade C: a case report</b> <i>Abstract Presenter:</i> Andrea Alonso-Español, ES	09:00 - 09:00
PC055	<b>Bone graft placement after enucleation of root cysts: a case report</b> <i>Abstract Presenter:</i> Citlaly Hernandez, MX	09:00 - 09:00
PC056	<b>Ridge preservation utilizing cancellous allograft in combination with d-PTFE membrane in a socket with buccal dehiscence: a clinical report</b> <i>Abstract Presenter:</i> Annette Ko, US	09:00 - 09:00
PC057	<b>Increasing keratinized tissue growth after tooth extraction in the anterior of maxilla by open-membrane technique</b> <i>Abstract Presenter:</i> Yi Te Lin, US	09:00 - 09:00
PC058	<b>Treatment of deep intrabony defect with a combination of non-surgical root surface debridement and emdogain flapless by a general dental practitioner</b> <i>Abstract Presenter:</i> Fahad Khan, IE	09:00 - 09:00
PC059	<b>Management of a medically compromised periodontitis IIIC patient with a combination of resective and regenerative surgical approaches</b> <i>Abstract Presenter:</i> Sotiria Tsantila, GR	09:00 - 09:00
PC060	<b>Saving hopeless teeth – a retrospective case series with up to 10 years of follow-up</b> <i>Abstract Presenter:</i> Natalja Verina, LT	09:00 - 09:00
PC061	<b>Upper central incisor preservation with esthetic compromise: managing hard &amp; soft tissue defects. A case report</b> <i>Abstract Presenter:</i> Jaime Hernanz Martín, ES	09:00 - 09:00

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**Periodontal therapy – step 2: subgingival instrumentation and adjunctive therapies (Poster Research)**

PR066	<b>Comparison of two adjuvant bioactive gels in non-surgical periodontal treatment: a randomized split-mouth clinical trial</b> <i>Abstract Presenter:</i> Andrea Butera, IT	09:00 - 09:00
PR067	<b>The effect of medical Manuka honey in the treatment of periodontitis: split-mouth study</b> <i>Abstract Presenter:</i> David Opsivac, HR	09:00 - 09:00
PR068	<b><i>In vitro</i> comparative evaluation of piezoelectric and magnetostrictive ultrasonic instrumentation in the furcation area</b> <i>Abstract Presenter:</i> Gianmarco Gronelli, IT	09:00 - 09:00
PR069	<b>Oxidative stress in smokers with periodontitis stage IV: a pilot study</b> <i>Abstract Presenter:</i> Zerina Hadži?, BA	09:00 - 09:00
PR070	<b>Chlorin-e6 mediated antimicrobial photodynamic therapy with blue or red-light irradiation against multi-species biofilms related to periodontitis</b> <i>Abstract Presenter:</i> Gabriel Garcia de Carvalho, BR	09:00 - 09:00
PR071	<b>Additional benefit of systemic antibiotics in subgingival instrumentation of stage III and IV periodontitis</b> <i>Abstract Presenter:</i> Leander Benz, DE	09:00 - 09:00
PR072	<b>Novel Injectable hydrogels Loaded with Antiseptic Agent for Local treatment of Periodontitis</b> <i>Abstract Presenter:</i> Inbar Eshkol-Yogev, IL	09:00 - 09:00
PR073	<b>The efficacy of air polishing in the non-surgical treatment of periodontitis and peri-implantitis: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Galvinderjeet Kaur Grewal, MY	09:00 - 09:00
PR074	<b>Expression of inflammatory and healing biomarkers following use of antimicrobial peptide gel as an adjunct to scaling and root surface debridement: a pilot study</b> <i>Abstract Presenter:</i> Muhammad Hadi Mohd Hanifah, MY	09:00 - 09:00
PR075	<b>Effects of oral administration of <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> HN019 on the treatment of generalized gingivitis</b> <i>Abstract Presenter:</i> Flávia Furlaneto, BR	09:00 - 09:00
PR076	<b>Probiotic alternative to chlorhexidine in periodontal therapy: evaluation of clinical and microbiological parameters</b> <i>Abstract Presenter:</i> Carolina Maiorani, IT	09:00 - 09:00
PR077	<b>The intraseptal anesthesia for scaling and root planing in intercanine region of maxilla and mandible</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Jelica Djoric, RS	
PR078	<b>Microbiological profile in saliva of non-smokers with periodontitis stage III and IV: a pilot study</b> <i>Abstract Presenter:</i> Ivan Puhar, HR	09:00 - 09:00
PR079	<b>Effects of ultrasound on root surface: a systematic review</b> <i>Abstract Presenter:</i> Imane El Ouadnassi, MA	09:00 - 09:00
PR080	<b>Clinical and metagenomic investigation of locally delivered synthetic antimicrobial peptide in non-surgical periodontal treatment: a pilot study</b> <i>Abstract Presenter:</i> Hooi Shan Tan, MY	09:00 - 09:00
PR081	<b>Enamel matrix derivative as adjunctive to non-surgical periodontal therapy: a systematic review and meta-analysis of randomized controlled trials</b> <i>Abstract Presenter:</i> Jean-Claude Imber, CH	09:00 - 09:00
PR082	<b>Nutritional interventions in periodontal therapy - a systematic review</b> <i>Abstract Presenter:</i> Johan Peter Woelber, DE	09:00 - 09:00
PR083	<b>Social determinants are significantly improved with volatile sulfur compounds reduction following periodontal therapy</b> <i>Abstract Presenter:</i> Catarina Izidoro, PT	09:00 - 09:00
PR084	<b>A Cochrane systematic review with meta-analyses of full-mouth-treatment modalities (within 24h) for periodontitis in adults</b> <i>Abstract Presenter:</i> Pia-Merete Jervøe-Storm, DE	09:00 - 09:00
PR085	<b>Pocket closure after non-surgical periodontal treatment in smoker and non-smoker patients with stage II periodontitis</b> <i>Abstract Presenter:</i> Dilek Mamaklıoğlu, TR	09:00 - 09:00
PR086	<b>Preparation and characterization of doxycycline and atorvastatin loaded alginate formulations for local delivery in periodontal disease</b> <i>Abstract Presenter:</i> Bü?ra Y?lmaz, TR	09:00 - 09:00
PR087	<b>?The microbial impacts of hand and ultrasonic instruments</b> <i>Abstract Presenter:</i> William Johnston, GB	09:00 - 09:00
PR088	<b>Stability of clinical parameters after subgingival instrumentation, with or without different adjunctive interventions (step 2 of therapy), for the treatment of periodontitis</b> <i>Abstract Presenter:</i> Lucrezia Paterno Holtzman, IT	09:00 - 09:00
PR089	<b>Beneficial effects of adjunctive use of injectable platelet-rich fibrin (i-PRF) during non-surgical periodontal treatment - a 3-month follow-up</b> <i>Abstract Presenter:</i> Zoran Aleksic, RS	09:00 - 09:00
PR090	<b>The effects of subantimicrobial doses of doxycycline in patients with osteoporosis and periodontitis</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Irina-Georgeta Sufaru, RO	
PR091	<b>Clinical and microbiological effects of single application of a NaOCl gel in maintenance patients treated for periodontitis stages III-IV. A triple-blind randomized placebo-controlled clinical trial</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Viorelia Radulescu, RO	
PR092	<b>Impact of three non-surgical full-mouth periodontal treatments on total bacterial load and selected pathobionts</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Jamal M. Stein, DE	
PR093	<b>Development of impedance-based measurements for real-time quantification of the formation of bacterial biofilms for its application in dental clinics</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Ana Rodríguez Muñoz, ES	
PR094	<b>Clinical and microbiological effects of local and systematic antimicrobials as an adjunctive therapy in periodontitis stages 2. and 3</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Tanja Zivanovic, RS	
PR095	<b>Effects of Omega-3 as an adjuvant in the non-surgical treatment of periodontitis: a systematic review and meta-analysis</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Clémentine Miroult, BE	
PR357	<b>Antimicrobial activity of honey in periodontal disease: a systematic review</b>	09:00 - 09:00
	<i>Speaker:</i> Khadija Sikkou, MA	
PR360	<b>Non-surgical periodontal therapy incompletely described in ClinicalTrials.gov: an observational study</b>	09:00 - 09:00
	<i>Speaker:</i> Marija Rogulji?, HR	

*E-Posters*

09:00 - 18:00

**Periodontology and other specialties in dentistry: aesthetics, orthodontics, endodontics, prosthesis... (Poster Research)**

PR144	<b>The prevalence of periodontitis on cardiovascular diseases</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Arthur Bonafé, FR	
PR145	<b>Relocation of ankylosed teeth using orthodontic bone stretching technique: preliminary results of a prospective clinical study</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Philippe Bousquet, FR	
PR146	<b>Under pressure - mechanisms and risk factors for orthodontically-induced inflammatory root resorption: a systematic review</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Hassan Moyasser Dawood, GB	
PR363	<b>Quantitative assessments of the dimensional changes following excessive gingival display surgery: a method study</b>	09:00 - 09:00
	<i>Abstract Presenter:</i> Onur Etoz, TR	

Scientific program

E-Posters

09:00 - 18:00

**Periodontology/Periodontics - Miscellaneous (Poster Clinical)**

PC151	<b>Surgical crown lengthening of maxillary anterior teeth. A case report</b> <i>Abstract Presenter:</i> Ruben Aranda-Melero, ES	09:00 - 09:00
PC152	<b>9 years follow up a periodontally compromised patient with changing a prosthetic situation- case report</b> <i>Abstract Presenter:</i> László T. Müller, HU	09:00 - 09:00
PC153	<b>The natural extracted tooth adhesive bridge technique in the aesthetic zone: a prospective case series</b> <i>Abstract Presenter:</i> Sean Kuan Boey, SG	09:00 - 09:00
PC154	<b>Maxillary preprosthetic surgery: case report</b> <i>Abstract Presenter:</i> Haitham Moussa, TN	09:00 - 09:00
PC155	<b>Autotransplantation: a viable replacement therapy for missing tooth. Case report</b> <i>Abstract Presenter:</i> Shir Keshales-Shultz, IL	09:00 - 09:00
PC156	<b>Cervical root resorption: case report and literature review</b> <i>Abstract Presenter:</i> Angelos Koutsokostas, DK	09:00 - 09:00
PC157	<b>The relationship between volatile sulfur compounds and the severity of chronic periodontitis: a cross-sectional study</b> <i>Abstract Presenter:</i> Abdullah Alrashidi, KW	09:00 - 09:00
PC158	<b>Genital HPV infection and subsequent oral papilloma-like lesion</b> <i>Abstract Presenter:</i> Paweł Maksymiuk, PL	09:00 - 09:00
PC159	<b>When maintenance of periodontal stability is crucial – a case report of multiple external apical root resorption</b> <i>Abstract Presenter:</i> Marko Žabarovič, HR	09:00 - 09:00
PC160	<b>Integrating a mixed reality platform in the diagnosis and treatment planning of periodontal conditions for adults and pediatric patients</b> <i>Abstract Presenter:</i> Irina F. Dragan, US	09:00 - 09:00
PC161	<b>Horizontal and vertical bone augmentation in edentulous knife edge ridge in the third quadrant</b> <i>Abstract Presenter:</i> Manuel Iglesias-Diaz, ES	09:00 - 09:00
PC162	<b>Autogenous tooth transplantation using the NATT method</b> <i>Abstract Presenter:</i> Takanori Nakamura, JP	09:00 - 09:00

E-Posters

09:00 - 18:00

**Prevention and supportive periodontal care (Poster Clinical)**

PC062	<b>Periodontal splinting of natural teeth with horizontal root fractures: report of 2 cases</b> <i>Abstract Presenter:</i> Sevgi Pekin, TR	09:00 - 09:00
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Scientific program

PC063	<b>The clinical investigation of new mouthwash containing zinc lactate in reducing plaque, gingivitis, gingival bleeding and plaque between teeth</b> <i>Abstract Presenter:</i> Yun-Po Zhang, US	09:00 - 09:00
PC064	<b>Four years periodontal maintenance of gingival recession after orthodontic treatment in a labio palatal cleft patient</b> <i>Abstract Presenter:</i> Fabio Brusamolino, IT	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**COVID and Periodontology (Poster Clinical)**

PC148	<b>Candida associated periodontitis in COVID-19 era</b> <i>Abstract Presenter:</i> Daniil Neyzberg, RU	09:00 - 09:00
PC149	<b>Post-operative bleeding complications in a periodontitis patient testing positive for COVID-19: a case report</b> <i>Abstract Presenter:</i> Georgios Loukas, NL	09:00 - 09:00
PC150	<b>Necrotizing periodontal disease in a patient with COVID-19 history: a case report</b> <i>Abstract Presenter:</i> Irmak Duman, TR	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**Aetiology and pathogenesis of periodontal diseases (Poster Research)**

PR001	<b>Association of MIF, proinflammatory cytokines (IL-1?, IL-6, IL-17), RANKL and osteocalcin in gingival crevicular fluid, saliva, and serum of patients with periodontitis</b> <i>Abstract Presenter:</i> Ana Laura Mendoza-López, MX	09:00 - 09:00
PR002	<b>A semi-vegetarian higher fat diet improves periodontal health - a randomised clinical trial</b> <i>Abstract Presenter:</i> Joerg Eberhard, AU	09:00 - 09:00
PR003	<b>PD-L1 attenuates T cell activation and osteoclast differentiation in periodontitis</b> <i>Abstract Presenter:</i> Kentaro Imamura, JP	09:00 - 09:00
PR004	<b>Investigation of a transcriptional-regulator coding gene potentially involved in <i>dentilisin</i> expression</b> <i>Abstract Presenter:</i> Rio Hisanaga, JP	09:00 - 09:00
PR005	<b>Optimization of alveolar bone loss for ligature-induced periodontitis between various sizes of silk ligature in mice</b> <i>Abstract Presenter:</i> Kyungmin Kim, KR	09:00 - 09:00
PR006	<b>Evaluation of bone regeneration according to the removal of braided suture material in a mouse ligation induced periodontitis model</b> <i>Abstract Presenter:</i> Ahyun Lim, KR	09:00 - 09:00
PR007	<b>Comparative study on periodontal health among dental and</b>	09:00 - 09:00



	<b>pharmacy students</b> <i>Abstract Presenter:</i> Krešimir Bašić, HR	
PR008	<b>Pro-inflammatory effects of exosomes secreted by oral epithelial cells in response to <i>Porphyromonas gingivalis</i> infection</b> <i>Abstract Presenter:</i> Pierre-Yves Gegout, FR	09:00 - 09:00
PR009	<b>Saliva levels of vitamin D and LL-37 levels in periodontitis patients</b> <i>Abstract Presenter:</i> Basak Biyikoglu, TR	09:00 - 09:00
PR010	<b>Salivary MMP-8, MAF, and IL-34 levels in non-surgical periodontal treatment of gingivitis patients</b> <i>Abstract Presenter:</i> Nimet Gül Görgülü, TR	09:00 - 09:00
PR011	<b>Effect of non-surgical periodontal treatment on saliva IL-1<math>\beta</math> and IL-21 levels in periodontitis</b> <i>Abstract Presenter:</i> Ayşe Ege Selman, TR	09:00 - 09:00
PR012	<b>Oral fungal microbiota in non-immunocompromised patients with periodontitis: a systematic review</b> <i>Abstract Presenter:</i> Paul Challita, FR	09:00 - 09:00
PR013	<b>Novel salivary microRNA biomarker for stage III and IV periodontitis by using next generation sequencer (NGS)</b> <i>Abstract Presenter:</i> Sharul Nisha Ali, MY	09:00 - 09:00
PR014	<b>Microbiological aspect of periodontitis: a systematic review of the literature</b> <i>Abstract Presenter:</i> Loubna Rhalimi, MA	09:00 - 09:00
PR015	<b><i>Porphyromonas gingivalis</i> enhances the senescence-induced increase of 5-alpha reductase and inflammatory cytokine activity by gingival fibroblasts</b> <i>Abstract Presenter:</i> Yelda Özkan, US	09:00 - 09:00
PR016	<b>The association between <i>Aggregatibacter Actinomycetemcomitans</i> JP2 clone and diagnosis of periodontitis: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Jaimini Mehta, GB	09:00 - 09:00
PR017	<b>Detection of <i>Aggregatibacter Actinomycetemcomitans</i> JP2 clone is associated with progression of periodontitis: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Carolyn Eaton, GB	09:00 - 09:00
PR018	<b>Is nutrition a risk or a protective factor for periodontal disease?</b> <i>Abstract Presenter:</i> Laura Lo Bianco, IT	09:00 - 09:00
PR019	<b>Application of the EUCAST disk diffusion method for antimicrobial susceptibility testing to selected periodontal pathogens</b> <i>Abstract Presenter:</i> Anne Birkeholm Jensen, DK	09:00 - 09:00
PR020	<b>The mRNA expression of selected antioxidant enzyme genes,</b>	09:00 - 09:00

	<b>thioredoxin and concentrations of their protein products in gingival crevicular fluid and saliva during periodontitis</b> <i>Abstract Presenter:</i> Tomasz Konopka, PL	
PR021	<b>A long-term longitudinal study of gingival recession in dentists: a 25-year follow-up</b> <i>Abstract Presenter:</i> Francesc Matas, ES	09:00 - 09:00
PR022	<b>Expression of macrophage polarization markers in response to the different serotypes of <i>Aggregatibacter actinomycetemcomitans</i>.</b> <i>Abstract Presenter:</i> Daniel Betancur, CL	09:00 - 09:00
PR023	<b>Interactions between <i>Filifactor alocis</i> and different oral pathogens during biofilm formation</b> <i>Abstract Presenter:</i> Gerard Alvarez Juste, ES	09:00 - 09:00
PR024	<b>Development of biomimetic <i>in vitro</i> model of producing artificial dental calculus: a proof of concept study</b> <i>Abstract Presenter:</i> Yoon-Hee Kwon, KR	09:00 - 09:00
PR025	<b>Localization and expression profiles of Gingival MCP-1 and MALT-1</b> <i>Abstract Presenter:</i> Yigit Firatli, FI	09:00 - 09:00
PR026	<b>Chronology of experimental periodontitis induced by systemic microbial challenge</b> <i>Abstract Presenter:</i> Cristhian de Jesus Hernandez Martinez, BR	09:00 - 09:00
PR027	<b>A low-vacuum SEM study of the morphology and composition of biofilm of endodontic-periodontally involved roots</b> <i>Abstract Presenter:</i> Stefan-Ioan Stratul, RO	09:00 - 09:00
PR028	<b>Immune ushering by neutrophils following <i>Aggregatibacter actinomycetemcomitans</i> infection</b> <i>Abstract Presenter:</i> Sharon Shany-Kdoshim, IL	09:00 - 09:00
PR356	<b>The effect of non-surgical periodontitis treatment on the subgingival microbiome</b> <i>Speaker:</i> Anna Krajewski, GB	09:00 - 09:00

*E-Posters*

09:00 - 18:00

**Basic concepts, diagnosis and risk factors in Implant Dentistry (Poster Clinical)**

PC163	<b>Implant therapy in patients with Hypophosphatasia and X-linked Hypophosphatemia treated with teriparatide and burosumab</b> <i>Abstract Presenter:</i> Martin Biosse Duplan, FR	09:00 - 09:00
PC164	<b>Anterior maxillary growth in implantology: complications, management and prevention?</b> <i>Abstract Presenter:</i> Andre Saadoun, US	09:00 - 09:00
PC165	<b>Effects of an one-piece customized abutment on early implant healing – a pilot study</b>	09:00 - 09:00

Scientific program

	<i>Abstract Presenter:</i> Christian Wehner, AT	
PC166	<b>A multi-center 3 years follow up of ultrashort implants with back-taper design</b> <i>Abstract Presenter:</i> Giovanni Ghirlanda, IT	09:00 - 09:00
PC167	<b>Correlation between interradicular measurements and insertion torque</b> <i>Abstract Presenter:</i> Alejandra Baltazar Ruiz, MX	09:00 - 09:00
PC168	<b>Keratinized mucosa around implants, is it important? – a case series</b> <i>Abstract Presenter:</i> Teresa Belo, PT	09:00 - 09:00
PC169	<b>Long-term effect of implant-abutment connection type on marginal bone loss and survival of dental implants</b> <i>Abstract Presenter:</i> Heung-Sik Um, KR	09:00 - 09:00
PC170	<b>Degree of precision of dental placement based on the professional's experience</b> <i>Abstract Presenter:</i> Sasha Stas, ES	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**Dental Implants & Peri-implant Diseases - Other topics (Poster Clinical)**

PC247	<b>Combined orthodontic and periodontal treatment of an infrabony defect - Case report</b> <i>Abstract Presenter:</i> Nándor Haba, HU	09:00 - 09:00
PC246	<b>A novel biopsy technique for lesions involving interproximal soft tissues</b> <i>Abstract Presenter:</i> Marco Montevicchi, IT	09:00 - 09:00
PR358	<b>Development and validation of an online tool for the diagnosis of periodontal diseases based on 2018 Classification of Periodontal and Peri-Implant Diseases and Conditions</b> <i>Abstract Presenter:</i> Haider Al-Waeli, CA	09:00 - 09:00
PR359	<b>Periodontal disease and factors associated with disease progression: A 10-year longitudinal study in an elderly population</b> <i>Abstract Presenter:</i> Kristina Edman, SE	09:00 - 09:00
PC248	<b>A multidisciplinary treatment of generalized periodontitis stage IV grade C in a young patient: Clinical case report</b> <i>Abstract Presenter:</i> Radia Hamdoun, MA	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**Implant therapy - bone regeneration (Poster Clinical)**

PC171	<b>GBR using non-resorbable membranes secured with cover screws to simultaneously placed implants. Presentation of a new membrane fixation method based on a retrospective study</b>	09:00 - 09:00
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	<i>Abstract Presenter:</i> Konstantin Schober, AT	
PC172	<b>Bone regeneration and immediate implant placement with guided surgery in the aesthetic zone of a periodontal patient</b> <i>Abstract Presenter:</i> Isabel Maria Domene-Rodriguez, ES	09:00 - 09:00
PC173	<b>Histological evaluation of guided bone regeneration (GBR) using the shell technique. A case report</b> <i>Abstract Presenter:</i> Ezequiel Candia, CL	09:00 - 09:00
PC174	<b>A simplified procedure for biologically-oriented alveolar ridge preservation (BARP technique): clinical and histological findings from a case report</b> <i>Abstract Presenter:</i> Mattia Pramstraller, IT	09:00 - 09:00
PC175	<b>Fusion of the oral mucosa and the Schneidarian membrane through an oro-sinus communication: how to manage it</b> <i>Abstract Presenter:</i> Nicolas Blanc-Sylvestre, FR	09:00 - 09:00
PC176	<b>Autologous dentin graft for alveolar ridge augmentation – 2 years follow-up of clinical study</b> <i>Abstract Presenter:</i> Luka Markovic, HR	09:00 - 09:00
PC177	<b>Alveolar ridge preservation techniques: case series and literature review</b> <i>Abstract Presenter:</i> Georgia Malamoudi, GR	09:00 - 09:00
PC178	<b>Human histological results of a horizontal augmentation utilizing xenograft and platelet rich fibrin in a "sticky bone" composition, a case report</b> <i>Abstract Presenter:</i> Florina Németh, HU	09:00 - 09:00
PC179	<b>Fence technique in horizontal bone regeneration of the esthetic zone – clinical case</b> <i>Abstract Presenter:</i> Honorato Ribeiro-Vidal, PT	09:00 - 09:00
PC180	<b>Vertical guided bone regeneration with fence technique in the aesthetic zone – clinical case</b> <i>Abstract Presenter:</i> Francisco Correia, PT	09:00 - 09:00
PC181	<b>Alveolar ridge reconstruction with a digitally customized bone block allograft with Emdogain as an adjuvant in bone regeneration and soft tissue healing</b> <i>Abstract Presenter:</i> Juliana Bugiolachi, AR	09:00 - 09:00
PC182	<b>3D radiographical evaluation of a complex hard- and soft tissue reconstruction of the anterior maxillary after a car accident</b> <i>Abstract Presenter:</i> Andrea Dobos, HU	09:00 - 09:00
PC183	<b>Combination of membrane-less alloplast and concentrated growth factor for bone augmentation of maxillary aesthetic region: a case report</b> <i>Abstract Presenter:</i> Najwa Baharudin, MY	09:00 - 09:00
PC184	<b>Guided bone regeneration as a horizontal ridge augmentation on the buccal undercut of temporary teeth : a case series in 4</b>	09:00 - 09:00

	<b>patients</b> <i>Abstract Presenter:</i> Mégane Martinel, FR	
PC185	<b>Use of porcine acellular dermal matrix (NovoMatrix™) for hard and soft tissue augmentation</b> <i>Abstract Presenter:</i> Maria Gnigou, GR	09:00 - 09:00
PC186	<b>Phenotype modification in a patient receiving dental implant therapy: a clinical case report</b> <i>Abstract Presenter:</i> Bradley Lander, US	09:00 - 09:00
PC187	<b>Particulated dentin graft</b> <i>Abstract Presenter:</i> Darko Božić, HR	09:00 - 09:00
PC188	<b>Reconstruction of a maxillary bone defect using block grafting and lateral sinus floor augmentation</b> <i>Abstract Presenter:</i> Mohamed Tlili, TN	09:00 - 09:00
PC189	<b>Full mouth rehabilitation with implant placement in a patient with extensive bone loss</b> <i>Abstract Presenter:</i> Panagiota Dokou, GR	09:00 - 09:00
PC190	<b>Lateral augmentation and immediate implant placement in a patient with congenitally missing permanent mandibular central incisors</b> <i>Abstract Presenter:</i> Seymour Gurbanov, LI	09:00 - 09:00
PC191	<b>Synchrotron-based analysis of damaged extraction sockets augmented using a synthetic bone block: a pilot study</b> <i>Abstract Presenter:</i> Joo Yeon Lee, KR	09:00 - 09:00
PC192	<b>Clinical and radiographic evaluation of piezosurgical buccal plate repositioning technique for horizontal alveolar ridge augmentation using silica-calcium phosphate nanocomposite (SCPC) graft material</b> <i>Abstract Presenter:</i> Rania Abdel Aziz Fahmy, EG	09:00 - 09:00
PC193	<b>Maxillary lateral ridge augmentation with autogenous tooth roots and simultaneous implant placement</b> <i>Abstract Presenter:</i> Fahd Saleh, GB	09:00 - 09:00
PC194	<b>Bone augmentation and implant application after trauma-induced tooth loss in the aesthetic zone</b> <i>Abstract Presenter:</i> Hanieh Meysamipour, TR	09:00 - 09:00
<i>E-Posters</i> 09:00 - 18:00		
<b>Implant therapy - surgical &amp; restorative protocols (Poster Clinical)</b>		
PC195	<b>Flipped autograft: a novel approach for management of wound dehiscence in implant dentistry. A case report</b> <i>Abstract Presenter:</i> Ahmed Hamdy, EG	09:00 - 09:00
PC196	<b>Indirect maxillary sinus floor elevation with Densah® Burs in combination with Bio-Oss® collagen: a case series</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Triantafyllia Vagdouti, GR	
PC197	<b>New clinical techniques in the management of peri-implant tissue histostucture to reduce risk factors in the formation of a protective soft tissue barrier</b> <i>Abstract Presenter:</i> Alexander Lysov, RU	09:00 - 09:00
PC198	<b>Bilateral pedicle grafts for soft tissue augmentation around dental implants at second stage surgery</b> <i>Abstract Presenter:</i> Allison Rascon, US	09:00 - 09:00
PC199	<b>Full mouth rehabilitation: a staged restorative approach</b> <i>Abstract Presenter:</i> Duaa Sultan, KW	09:00 - 09:00
PC200	<b>Socket shield in conjunction with immediate Implant placement in an upper central incisor</b> <i>Abstract Presenter:</i> Nikos Markou, GR	09:00 - 09:00
PC201	<b>Ridge preservation following hopeless tooth extraction and dental implant placement in the esthetic zone: a 5-year follow-up case report</b> <i>Abstract Presenter:</i> Muammer Gozlu, TR	09:00 - 09:00
PC202	<b>Immediate guided implant placement and provisionalization in the esthetic zone. A digital workflow</b> <i>Abstract Presenter:</i> Panagiotis Ntovas, GR	09:00 - 09:00
PC203	<b>The modified socket shield technique: case reports</b> <i>Abstract Presenter:</i> Ezgi Ceylan, TR	09:00 - 09:00
PC204	<b>Guided implant therapy in the esthetic region and mucogingival management with palatal island flap technique: case report</b> <i>Abstract Presenter:</i> Nina Sidiropoulou, BE	09:00 - 09:00
PC205	<b>Multidisciplinary management of a clinical case involving the maxillary anterior aesthetic zone</b> <i>Abstract Presenter:</i> Mathias Faure-Brac, FR	09:00 - 09:00
PC206	<b>Immediate provisionalization through acrylic block carving</b> <i>Abstract Presenter:</i> Jason Poon, US	09:00 - 09:00
PC207	<b>Optimizing tooth-implant distance with root amputation of a compromised adjacent molar tooth: a clinical case report</b> <i>Abstract Presenter:</i> Bradley Lander, US	09:00 - 09:00
PC208	<b>Virtual patient setup for realistic 3D planning of guided implant surgery – case report</b> <i>Abstract Presenter:</i> Daniel Palkovics, HU	09:00 - 09:00
PC209	<b>Decoronation and chairside site resin bonded splint for implant site preservation: a case report</b> <i>Abstract Presenter:</i> Mert Y?lmaz, TR	09:00 - 09:00
PC210	<b>Fully guided immediate implant placement and loading in the aesthetic zone: a case report using the Azento system</b> <i>Abstract Presenter:</i> Pieter-Jan Germonpré, BE	09:00 - 09:00

PC211	<b>Management of peri-implant soft tissue defect in the maxillary esthetic area</b> <i>Abstract Presenter:</i> Rania Gargouri, TN	09:00 - 09:00
PC212	<b>Aesthetic outcomes of immediate placement and connective tissue grafting around implants located in the anterior maxilla</b> <i>Abstract Presenter:</i> Seymur Gurbanov, LI	09:00 - 09:00
PC213	<b>Immediate implant placement in the aesthetic zone. A novel modified technique for Implant provisionalisation</b> <i>Abstract Presenter:</i> Nikos Markou, GR	09:00 - 09:00
PC214	<b>Late failure of a socket shield and peri-implantitis treatment with electrolytic cleaning protocol. A case report of a single implant 10 years in function</b> <i>Abstract Presenter:</i> Konstantinos Samanidis, GR	09:00 - 09:00
PC215	<b>Immediate (type-1) and late (type-4) implant placement combined with a socket-shield technique and mucosal thickness augmentation with a connective tissue graft – a case report</b> <i>Abstract Presenter:</i> Moaad Alami, BE	09:00 - 09:00
PC216	<b>A modified roll technique enhanced by dental laser de-epithelialization</b> <i>Abstract Presenter:</i> Jerry Ching-Yi Lin, US	09:00 - 09:00
PC217	<b>Full arch with immediate loading implants</b> <i>Abstract Presenter:</i> Luis Antonio González Gómez, MX	09:00 - 09:00
PC218	<b>Full-arch implant placement using a magnetically connected surgical guide</b> <i>Abstract Presenter:</i> Acela Martinez Luna, US	09:00 - 09:00
PC219	<b>Zygomatic and pterygo?d implants in edentulous atrophic maxilla: four case reports</b> <i>Abstract Presenter:</i> Umut Yi?it, TR	09:00 - 09:00
PC220	<b>Alveolar ridge preservation using deproteinised bovine bone mineral with collagen matrix, combined labial connective tissue graft with free gingival graft socket seal, a case report</b> <i>Abstract Presenter:</i> Mark Tangri, GB	09:00 - 09:00
PC221	<b>Maxillary implant overdenture retained by four unsplinted attachments and opposed by a natural or fixed dentition: five-year clinical outcomes</b> <i>Abstract Presenter:</i> Yaman Altaep, BE	09:00 - 09:00
PC222	<b>Modalities of treatment: multidisciplinary management of a stage IV periodontitis patient with surgical periodontal therapy and dental implants in the aesthetic zone. 1-year follow up</b> <i>Abstract Presenter:</i> Azim Malik, GB	09:00 - 09:00

*E-Posters*

09:00 - 18:00

**Peri-implant diseases - aetiology, diagnosis and risk factors (Poster Clinical)**

- |       |  |               |
|-------|--|---------------|
| PC223 | <b>Reversible, non-plaque-induced marginal bone loss around an osseointegrated implant A case report</b><br><i>Abstract Presenter:</i> Kristian Lind, NO | 09:00 - 09:00 |
|-------|--|---------------|

*E-Posters*

09:00 - 18:00

**Peri-implant diseases - treatment, prevention and supportive care (Poster clinical)**

- |       |  |               |
|-------|--|---------------|
| PC224 | <b>Managing esthetic challenges with an anterior implant: a case report</b><br><i>Abstract Presenter:</i> Elif ?nönü, TR   | 09:00 - 09:00 |
| PC225 | <b>Regenerative treatment of peri-implantitis: a case report</b><br><i>Abstract Presenter:</i> Arthur Brincat, FR  | 09:00 - 09:00 |
| PC226 | <b>Peri-implant soft tissue augmentation with bilaminar technique: a case report</b><br><i>Abstract Presenter:</i> Merve Nigiz, TR   | 09:00 - 09:00 |
| PC227 | <b>Partly tunnel rotated pedicle gingival graft for soft tissue augmentation around complicated maxillary implants: a novel surgical technique</b><br><i>Abstract Presenter:</i> Neda Moslemi, IR              | 09:00 - 09:00 |
| PC228 | <b>A regenerative treatment of peri-implantitis with cancellous bone graft: a case report</b><br><i>Abstract Presenter:</i> Sinem Durmaz, TR   | 09:00 - 09:00 |
| PC229 | <b>Non-surgical management of peri-implant diseases: 4 clinical cases</b><br><i>Abstract Presenter:</i> Konstantinos Marinis, GR   | 09:00 - 09:00 |
| PC230 | <b>Multidisciplinary management of complicated hard and soft tissue deficiencies on dental implants in the esthetic zone - 18-month follow-up</b><br><i>Abstract Presenter:</i> Josipa Todor?, HR              | 09:00 - 09:00 |
| PC231 | <b>Non-surgical treatment of peri-implantitis - up to 6 years follow up</b><br><i>Abstract Presenter:</i> Marilou Ciantar, GB  | 09:00 - 09:00 |
| PC232 | <b>Combined surgical treatment of peri-implantitis: a four-year clinical follow-up case report</b><br><i>Abstract Presenter:</i> Rita Azevedo, ES  | 09:00 - 09:00 |
| PC233 | <b>Successful treatment of peri-implantitis using a non-surgical minimally invasive delivery of erythritol powder therapy with in-parallel supportive care</b><br><i>Abstract Presenter:</i> Jolene Pinder, GB | 09:00 - 09:00 |



E-Posters

09:00 - 18:00

**Periodontal diseases and systemic diseases (Poster Clinical)**

PC132	<b>????Treatment of a young patient diagnosed with severe congenital neutropenia, a 17 year follow up</b> <i>Abstract Presenter:</i> Eran Front, IL	09:00 - 09:00
PC133	<b>Managing Crohn's disease-related gingival hypertrophy in a young boy</b> <i>Abstract Presenter:</i> Alexandre Courtet, FR	09:00 - 09:00
PC134	<b>Biological understanding and clinical implications of Diabetes Mellitus type II related to periodontal treatment. Report of a case</b> <i>Abstract Presenter:</i> Paul Iván Obregón Godina, MX	09:00 - 09:00
PC135	<b>Periodontal disease and development of endocarditis: case report</b> <i>Abstract Presenter:</i> Fabio Brusamolino, IT	09:00 - 09:00
PC136	<b>Plasma cell gingivitis and Sjögren's syndrome</b> <i>Abstract Presenter:</i> Laura Genet, FR	09:00 - 09:00
PC137	<b>Treatment of periodontitis stage IV using a combined orthodontic periodontal treatment approach: a case report</b> <i>Abstract Presenter:</i> Gunar Wagner, DE	09:00 - 09:00
PC138	<b>Desquamative gingivitis in a patient with pemphigus vulgaris successfully treated with rituximab: a 6 year follow up case report</b> <i>Abstract Presenter:</i> Katja Povši?, SI	09:00 - 09:00
PC139	<b>Hereditary epidermolysis bullosa and periodontal repercussions</b> <i>Abstract Presenter:</i> Fatima Ezzahra Zidane, MA	09:00 - 09:00
PC140	<b>Glycemic balance and oral health state: a bi-directional association</b> <i>Abstract Presenter:</i> Fatima Ezzahra Zidane, MA	09:00 - 09:00
PC141	<b>Successful periodontal management improves the glycemic control: a case report</b> <i>Abstract Presenter:</i> Naima Khalid, PK	09:00 - 09:00
PC142	<b>Periodontal influence of diabetes during tooth eruption</b> <i>Abstract Presenter:</i> Fabio Brusamolino, IT	09:00 - 09:00
PC143	<b>Drug-induced gingival overgrowth: differential diagnosis and therapeutic strategies</b> <i>Abstract Presenter:</i> Lea Bontemps, FR	09:00 - 09:00
PC144	<b>Advanced surgical management of the neglected drug induced gingival enlargement – an example of true multidisciplinary management</b> <i>Abstract Presenter:</i> Domniki Chatzopoulou, GB	09:00 - 09:00
PC145	<b>Gingival hemorrhage of abrupt onset as a first sign of idiopathic</b>	09:00 - 09:00

	<b>thrombocytopenic purpura. Case report and differential diagnosis</b> <i>Abstract Presenter:</i> Konstantinos Katoumas, GR	
PC146	<b>Enlarged erythematous and bleeding gingiva as a first sign of idiopathic thrombocytopenic purpura. Case report and differential diagnosis</b> <i>Abstract Presenter:</i> Konstantinos Katoumas, GR	09:00 - 09:00
PC147	<b>The spectrum of differential diagnosis in diffuse gingival enlargement. Report of two representative cases</b> <i>Abstract Presenter:</i> Maria Georgaki, GR	09:00 - 09:00
PC250	<b>Improvement of un-balanced diabetic type 2 patient after periodontal treatment: case report</b> <i>Speaker:</i> Amira Besbes, TN	09:00 - 09:00
<i>E-Posters</i> 09:00 - 18:00		
<b>Periodontal plastic surgery (Poster Clinical)</b>		
PC065	<b>Lip repositioning surgery: a modified surgical technique to treat excessive gingival display</b> <i>Abstract Presenter:</i> Wafa El Kholti, MA	09:00 - 09:00
PC066	<b>Root coverage in lower incisors: clinical considerations and decision- making criteria</b> <i>Abstract Presenter:</i> Wafa El Kholti, MA	09:00 - 09:00
PC067	<b>The effect of probiotic use on wound healing after free gingival graft application</b> <i>Abstract Presenter:</i> Latife Biskin, TR	09:00 - 09:00
PC068	<b>Periodontal phenotype modification therapy on natural teeth, dental implants and prospective implant sites - case series with five years follow up</b> <i>Abstract Presenter:</i> Harikumar Kanakkath, IN	09:00 - 09:00
PC069	<b>Dimensional changes in free gingival grafts following cyanoacrylate stabilization</b> <i>Abstract Presenter:</i> Tugce Ceyhanli, TR	09:00 - 09:00
PC070	<b>Effect of honey dressing material on palatal wound healing after harvesting a free gingival graft: a prospective randomized case-control study</b> <i>Abstract Presenter:</i> Abdullah Alrashidi, KW	09:00 - 09:00
PC071	<b>A new surgical approach of simultaneous recession covering and vestibuloplasty in the front mandibular region: long-term follow-up study</b> <i>Abstract Presenter:</i> Fanni Simon, HU	09:00 - 09:00
PC072	<b>The “wire syndrome”: unexpected complications of orthodontic retainers</b> <i>Abstract Presenter:</i> Camille Sadowski, FR	09:00 - 09:00

PC073	<b>Gingival overgrowth following soft tissue augmentation using de-epithelialized free gingival graft in young adults: a clinical report</b> <i>Abstract Presenter:</i> Chih-Yun Tao, US	09:00 - 09:00
PC074	<b>Treatment of localized gingival recession with bilaminar technique</b> <i>Abstract Presenter:</i> Aysim Leymun, TR	09:00 - 09:00
PC075	<b>Full digital workflow in aesthetic periodontal plastic surgery</b> <i>Abstract Presenter:</i> Georgina Michailovits, HU	09:00 - 09:00
PC076	<b>Reduction of relapsed gummy smile with aesthetic crown lengthening procedure</b> <i>Abstract Presenter:</i> Tu?çe Orçan, TR	09:00 - 09:00
PC077	<b>Collagen matrix (Mucoderm) in the VISTA technique: a case report</b> <i>Abstract Presenter:</i> Maria Prosper Calleja, PT	09:00 - 09:00
PC078	<b>Modified coronally advanced tunnel in conjunction with Subepithelial connective tissue graft: clinical case</b> <i>Abstract Presenter:</i> Sara Saloui, MA	09:00 - 09:00
PC079	<b>Free gingival graft, is it outdated? – a case series</b> <i>Abstract Presenter:</i> João Moedas, PT	09:00 - 09:00
PC080	<b>Treatment and prevention of mucosal-gingival complications at the stages of orthodontic treatment</b> <i>Abstract Presenter:</i> Irina Ganzha, RU	09:00 - 09:00
PC081	<b>Modification of gingival phenotype in patients undergoing orthodontic treatment</b> <i>Abstract Presenter:</i> Övgü Ko?an, TR	09:00 - 09:00
PC082	<b>Periodontal plastic surgery for management of altered passive eruption: 12 months follow-up</b> <i>Abstract Presenter:</i> Yamine Hanine, MA	09:00 - 09:00
PC083	<b>Coronally advanced flap Vs tunneling technique: case report</b> <i>Abstract Presenter:</i> Chaima Hammami, TN	09:00 - 09:00
PC084	<b>Porcine acellular dermal matrix vs connective tissue graft in the modified coronally advanced tunnel technique, combined with orthodontic treatment: a 1-year split mouth case report</b> <i>Abstract Presenter:</i> Finn Niclas Pickert, ES	09:00 - 09:00
PC085	<b>Treatment of multiple gingival recessions using the modified coronally advanced tunnel technique in combination with subepithelial connective tissue grafting or advanced platelet rich fibrin</b> <i>Abstract Presenter:</i> Eleonora Solyom, HU	09:00 - 09:00
PC086	<b>Non-contact depigmentation of the interdental papilla and the free gingiva with a 445nm diode laser: a case report????</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Ivan Mandel, HU	
PC087	<b>Treatment of multiple gingival recession with modified tunnel technique: a case report</b> <i>Abstract Presenter:</i> Sude Yildirim, TR	09:00 - 09:00
PC088	<b>Management of gingival recession with free gingival graft technique during orthodontic treatment: a case report with 5-years of follow- up</b> <i>Abstract Presenter:</i> Rabianur Baltac?, TR	09:00 - 09:00
PC089	<b>Lip repositioning for the treatment of excess gingival display: case series</b> <i>Abstract Presenter:</i> ?pek Naz Karasu, TR	09:00 - 09:00
PC090	<b>Case series of vestibular extension with free gingival graft on natural tooth of mandibular anterior</b> <i>Abstract Presenter:</i> Satoshi Olivier Ishikawa, JP	09:00 - 09:00
PC091	<b>Evaluation of postoperative pain perception in soft tissue augmentation with free gingival graft: case series</b> <i>Abstract Presenter:</i> Rasul Guliyev, TR	09:00 - 09:00
PC092	<b>Severe hereditary gingival fibromatosis caused by SOS1 gene mutation – a case report</b> <i>Abstract Presenter:</i> Melissa Fok, HK	09:00 - 09:00
PC093	<b>Frenectomy using laser versus conventional surgery: about two cases</b> <i>Abstract Presenter:</i> Yamine Hanine, MA	09:00 - 09:00
PC094	<b>Recession coverage utilising the pinhole tunnel technique with modified grafting procedure</b> <i>Abstract Presenter:</i> Bence Markgruber, HU	09:00 - 09:00
PC095	<b>Use of coronally advanced flap and bilaminar technique on multiple bilateral gingival recession: a split mouth case report with 3- month follow-up????</b> <i>Abstract Presenter:</i> Braulio Garcia Amador, MX	09:00 - 09:00
PC096	<b>Coverage of gingival recession using the pinhole tunnel technique with modified grafting procedure</b> <i>Abstract Presenter:</i> Edit Komarek, HU	09:00 - 09:00
PC097	<b>Management of gingival melanin hyperpigmentation: scalpel surgery versus laser therapy</b> <i>Abstract Presenter:</i> Wafa Nasri, TN	09:00 - 09:00
PC098	<b>Augmentation of keratinized tissue with placement of a free gingival graft in a mandibular incisor in a patient with orthodontic treatment</b> <i>Abstract Presenter:</i> Adolfo Angel Amador Estrada, MX	09:00 - 09:00
PC099	<b>Long term stability of modified coronally advanced flap or tunnel technique with site-specific application of acellular dermal matrix for root coverage procedures: a case series</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Javier Gómez Esteban, ES	
PC100	<b>Management of a young patient with hereditary gingival fibromatosis, implementing guided soft-tissue surgery</b> <i>Abstract Presenter:</i> Maria Sykara, GR	09:00 - 09:00
PC101	<b>Root coverage procedures following the management of periodontitis: a case report</b> <i>Abstract Presenter:</i> Hong Jin Tan, GB	09:00 - 09:00
PC102	<b>Modified tunnel technique with a partially exposed connective tissue graft for treatment of RT1 mandibular gingival recessions</b> <i>Abstract Presenter:</i> Sotiria Tsantila, GR	09:00 - 09:00
PC103	<b>Effects of a periodontal tissue thickness augmentation versus recurrences of gingival recession with a mechanical etiology: case report</b> <i>Abstract Presenter:</i> Valerio Rondini, ES	09:00 - 09:00
PC104	<b>The evaluation of polyvinylpyrrolidone-sodium hyaluronate gel on post-operative discomfort and wound healing</b> <i>Abstract Presenter:</i> Ebru Ozkan Karaca, TR	09:00 - 09:00
PC105	<b>The LipStaT technique: to reduce postoperative pain which suturing technique? Two case reports</b> <i>Abstract Presenter:</i> Buse Naz Büyükkakç?, TR	09:00 - 09:00
PC106	<b>Different strategies for the treatment of maxillary gingival recessions: a case series</b> <i>Abstract Presenter:</i> Diogo Banaco, ES	09:00 - 09:00
PC107	<b>A novel digital workflow for the treatment of altered passive eruption. A case series</b> <i>Abstract Presenter:</i> Antonio Nobili, ES	09:00 - 09:00
PC108	<b>A novel treatment for Miller´s recession class I, using coronally advanced flap (CAF) + Bovine bone substitute (BBS) 3 years follow up: case report</b> <i>Abstract Presenter:</i> A. Alejandro García H., MX	09:00 - 09:00
PC109	<b>Reconstruction of gingival recession with free gingival graft in a patient with a story of unsuccessful periodontal plastic surgery: case report</b> <i>Abstract Presenter:</i> Aysun Aydemir Inam, TR	09:00 - 09:00
PC110	<b>Surgical procedures for soft tissue ridge augmentation - Interposition graft procedure</b> <i>Abstract Presenter:</i> Bruno Nikolovski, MK	09:00 - 09:00
PC245	<b>The clinical outcomes of coronally advanced flap versus bilaminar technique for treatment of multiple gingival recessions: a split-mouth case report with five years follow-up</b> <i>Abstract Presenter:</i> Aneta Atanasovska Stojanovska, MK	09:00 - 09:00

*E-Posters*

09:00 - 18:00

**Periodontology and other specialties in dentistry: aesthetics, orthodontics, endodontics, prosthesis... (Poster Clinical)**

PC111	<b>Mandibular second molar replacement with impacted third molars</b> <i>Abstract Presenter:</i> Duke Huang, US	09:00 - 09:00
PC112	<b>Endodontic-periodontal lesions: a real clinical dilemma</b> <i>Abstract Presenter:</i> Pinelopi Pani, US	09:00 - 09:00
PC113	<b>Complex periodontal, orthodontic and prosthetic rehabilitation of a patient suffering from periodontitis and malocclusion, a clinical report</b> <i>Abstract Presenter:</i> Kinga Kelemen, HU	09:00 - 09:00
PC114	<b>Soft tissue grafting common for implants as useful in conventional prosthodontics</b> <i>Abstract Presenter:</i> František Lederer, CZ	09:00 - 09:00
PC115	<b>Post extraction alveolar ridge preservation as a treatment prior to conventional prosthesis or implant placement in the esthetic zone. A case series</b> <i>Abstract Presenter:</i> Achilleas Iskas, GR	09:00 - 09:00
PC116	<b>Remodeling of soft tissue and papilla around prosthetic works</b> <i>Abstract Presenter:</i> Mihael Stanojevic, BA	09:00 - 09:00
PC117	<b>Altered passive eruption: a case report</b> <i>Abstract Presenter:</i> Antonia Gilch, FR	09:00 - 09:00
PC118	<b>Prosthetic replacement of a mobile lower anterior tooth following the successful stabilisation of the periodontal condition</b> <i>Abstract Presenter:</i> Don Jayawardena, GB	09:00 - 09:00
PC119	<b>Orthodontically guided corticotomies and Micro Osteo-perforations. A split mouth case report</b> <i>Abstract Presenter:</i> María Aniela Ortiz Herrera, MX	09:00 - 09:00
PC120	<b>Periodontitis stage III and orthodontic treatment in a 17 years old girl</b> <i>Abstract Presenter:</i> Stefana Popa, RO	09:00 - 09:00
PC121	<b>Surgical and orthodontic considerations in the treatment of palatally impacted canines</b> <i>Abstract Presenter:</i> Styliani Anoixiadou, GR	09:00 - 09:00
PC122	<b>Successful non-surgical management of endodontic-periodontal lesion: a case report</b> <i>Abstract Presenter:</i> Domen Kanduti, SI	09:00 - 09:00
PC123	<b>The use of bone cement in the gummy smile treatment and its implications in lip repositioning</b> <i>Abstract Presenter:</i> Luis Fernando Naldi, BR	09:00 - 09:00

Scientific program

PC124	<b>Er:YAG laser-assisted surgical management of invasive cervical resorption after endodontic re-treatment - case report</b> <i>Abstract Presenter:</i> Mojca Trost, SI	09:00 - 09:00
PC125	<b>Apicoectomy and retrograde filling with mineral trioxide. Case report</b> <i>Abstract Presenter:</i> Diana Pamela Acosta Reyes, MX	09:00 - 09:00
PC126	<b>Management of a stage IV periodontitis with masticatory dysfunction and deep bite: a case report</b> <i>Abstract Presenter:</i> Sonja Rahim-Wöstefeld, DE	09:00 - 09:00
PC127	<b>Combined periodontal- orthodontic management of a young adult patient with pathologic tooth migration: a clinical case</b> <i>Abstract Presenter:</i> Ilias Oikonomou, GR	09:00 - 09:00
PC128	<b>Saving the hopeless tooth with surgical extrusion technique 2-year follow-up</b> <i>Abstract Presenter:</i> Pınar Şayan, TR	09:00 - 09:00
PC129	<b>An orthodontic correction of a severe gingival interdental papilla loss</b> <i>Abstract Presenter:</i> Natalia Stawinska, PL	09:00 - 09:00
PC130	<b>Multidisciplinary treatment of periodontitis stage IV from a periodontal and orthodontic approach</b> <i>Abstract Presenter:</i> Florencia Laciari Oudshoorn, ES	09:00 - 09:00
PC131	<b>Long, short, and back to long clinical crowns - a case report of changes to the gingival margin pre-, during and post-orthodontic treatment</b> <i>Abstract Presenter:</i> Nina Farkaš Jerković, HR	09:00 - 09:00

E-Posters

09:00 - 18:00

**Diagnosis and risk factors of periodontal diseases (Poster Research)**

PR029	<b>Periodontitis grading using interdental attachment loss instead of radiographic bone loss</b> <i>Abstract Presenter:</i> Patrizia Winkler, DE	09:00 - 09:00
PR030	<b>The efficiency of gingivitis treatment in patients with different levels of the organism's reactivity</b> <i>Abstract Presenter:</i> Nina Bagdasaryan, RU	09:00 - 09:00
PR031	<b>Salivary Levels of Macrophage Activating Factor and Macrophage Chemotactic Factor as Prospective Biomarkers of Gingival Inflammation</b> <i>Abstract Presenter:</i> Amna Alhammedi, AE	09:00 - 09:00
PR032	<b>Effect of electronic cigarette and traditional cigarette on cytotoxicity and inflammation of oral gingival cells using a novel automated smoking machine</b> <i>Abstract Presenter:</i> Liza L. Ramenzoni, CH	09:00 - 09:00

PR033	<b>Changes in the salivary proteome with potential for periodontitis diagnosis and monitoring. A systematic review</b> <i>Abstract Presenter:</i> Luis Alonso Flores-Reyna, MX	09:00 - 09:00
PR034	<b>Diagnostic accuracy of furcation involvement based on peri-apical and panoramic radiographs: an experienced based analysis</b> <i>Abstract Presenter:</i> Guilhem Jolivet, FR	09:00 - 09:00
PR035	<b>Implementing of aMMP-8 point of care-test with a modified new disease classification in Finnish adolescent cohorts</b> <i>Abstract Presenter:</i> Anna Maria Heikkinen, FI	09:00 - 09:00
PR036	<b>Comparison of vitamin K2 serum levels in healthy and periodontitis patients: a controlled clinical trial</b> <i>Abstract Presenter:</i> Iwona Olszewska-Czyz, PL	09:00 - 09:00
PR037	<b>Low-Dose CBCT for imaging of furcation involvement</b> <i>Abstract Presenter:</i> Maurice Ruetters, DE	09:00 - 09:00
PR038	<b>Perception of the changes in the marginal periodontium aspect in a group of young adults during the onset of the COVID-19 pandemic</b> <i>Abstract Presenter:</i> Marina Cristina Giurgiu, RO	09:00 - 09:00
PR039	<b>Vitamin D levels in a population with periodontitis in Moroccan population</b> <i>Abstract Presenter:</i> Selwa Mikou, MA	09:00 - 09:00
PR040	<b>A correlation of neopterin level in saliva with periodontal indices</b> <i>Abstract Presenter:</i> Ewa Michalak, PL	09:00 - 09:00
PR041	<b>Age- and gender-appropriate behavioral specifics of dental patients affecting their oral care and periodontal health status</b> <i>Abstract Presenter:</i> Vadim Tachalov, RU	09:00 - 09:00
PR042	<b>Serum vitamin D levels in biofilm induced gingivitis and stage ii periodontitis patients</b> <i>Abstract Presenter:</i> Deniz Berber Noyun, TR	09:00 - 09:00
PR043	<b>Influence of oral piercings on periodontal health – a systematic review</b> <i>Abstract Presenter:</i> Clemens Walter, DE	09:00 - 09:00
PR044	<b>Gingival recessions: digital measurement compared to conventional methods</b> <i>Abstract Presenter:</i> Jonas Conrad, DE	09:00 - 09:00
PR045	<b>Comparison of periodontal probing methods between dental students and qualified dentists</b> <i>Abstract Presenter:</i> Istvan Varga, HU	09:00 - 09:00
PR046	<b>The use of laser therapy and dark background microscope in periodontal health during orthodontic treatment</b>	09:00 - 09:00



	<i>Abstract Presenter:</i> Ana Petra Lazar, RO	
PR047	<b>Predictors of periodontal diseases in the student population of CIU: study of risk factors and oral health optimization</b> <i>Abstract Presenter:</i> Lela Tsitaishvili, GE	09:00 - 09:00
PR048	<b>CBCT assessment of maxillary sinus mucosa thickness before and after regenerative periodontal therapy: a pilot study</b> <i>Abstract Presenter:</i> Milena Barac, RS	09:00 - 09:00
PR049	<b>Uncoupling protein 2 gene polymorphism associated with severe periodontitis in Japanese adults</b> <i>Abstract Presenter:</i> Noriko Sugita, JP	09:00 - 09:00
PR050	<b>Effect of electronic, conventional smoking and non-smoker on Periodontal stage, grade and distribution of periodontal diseases.</b> <i>Abstract Presenter:</i> Ali Sadiq, PK	09:00 - 09:00
PR051	<b>Relationship between serum cytokine levels and periodontal parameters in postmenopausal women: a cross-sectional cohort study</b> <i>Abstract Presenter:</i> Nil Yakar, TR	09:00 - 09:00
PR052	<b>The analysis of the volatile compounds profile and the bacterial spectrum of saliva in periodontal patients in the light of the new classification of periodontitis</b> <i>Abstract Presenter:</i> Katarzyna D?bska-?asut, PL	09:00 - 09:00
PR053	<b>Comparing two endpoints to evaluate periodontal need treatment</b> <i>Abstract Presenter:</i> Carlos Heitor Cunha Moreira, BR	09:00 - 09:00
PR054	<b>Novel detection method for gingipain enzyme activity from <i>Porphyromonas gingivalis</i> with a gold-nanoparticle biosensing surface</b> <i>Abstract Presenter:</i> Anna Svärd, SE	09:00 - 09:00
PR055	<b>Analysis of electronic cigarettes usage and traditional cigarettes smoking among 14 years old adolescents in Poland</b> <i>Abstract Presenter:</i> Dominika Cicho?ska, PL	09:00 - 09:00
PR056	<b>?The effect of smoking on width and thickness of clinically healthy gingiva</b> <i>Abstract Presenter:</i> Shima Golmohammadi, IR	09:00 - 09:00
PR057	<b>Microbial analysis of mouthwash samples based on multiplex real-time polymerase chain reaction for periodontitis screening</b> <i>Abstract Presenter:</i> Kyoung-Hwa Kim, KR	09:00 - 09:00
PR058	<b>Tooth discoloration and impact of food, tobacco consumption and individual tooth brushing habits in patients with or without gingival recessions</b> <i>Abstract Presenter:</i> Tudor Radu Popescu, DE	09:00 - 09:00

*E-Posters*

09:00 - 18:00

**Peri-implant diseases - treatment, prevention and supportive care (Poster Research)**

PR311	<b>The efficacy of systemic antibiotics as an adjunct to surgical treatment of peri-implantitis: a systematic review</b> <i>Abstract Presenter:</i> Malene Øen, NO	09:00 - 09:00
PR312	<b>Molecular biomarkers in peri-implant health and disease: a pilot study</b> <i>Abstract Presenter:</i> Ali Tarjomani, GB	09:00 - 09:00
PR313	<b>Airflow for initial non-surgical treatment of peri-implantitis: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Aisha Almatrooshi, AE	09:00 - 09:00
PR314	<b>Diode laser for treatment of peri-implant mucositis: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Israa Fadhel, AE	09:00 - 09:00
PR315	<b>Efficacy of a novel Antibacterial Dual Sealing Technology (TABS™) to prevent microleakage at the modular implant parts and Implant - abutment interfaces</b> <i>Abstract Presenter:</i> Pinchas Kfir, IL	09:00 - 09:00
PR316	<b>Evaluation of the antimicrobial and sealing efficacy of different types of microgap sealing materials on the causes of periimplantitis- microbiological <i>in vitro</i> study</b> <i>Abstract Presenter:</i> Dragana Gabri?, HR	09:00 - 09:00
PR317	<b>Laser treatment of peri-implantitis - preliminary findings</b> <i>Abstract Presenter:</i> Sebastian Malmqvist, SE	09:00 - 09:00
PR318	<b>Single-cell sequencing unveils distinct immune microenvironment in peri-implantitis and periodontitis</b> <i>Abstract Presenter:</i> Shujiao Qian, CN	09:00 - 09:00
PR319	<b>Common practices of dental implants maintenance among dental hygiene professionals in Israel (IL) and Germany (GE) - a questionnaire study</b> <i>Abstract Presenter:</i> Michael Saminsky, IL	09:00 - 09:00
PR320	<b>Adjuvant use of multispecies probiotic in the treatment of peri-implant mucositis: a randomized controlled trial</b> <i>Abstract Presenter:</i> Michel Messori, BR	09:00 - 09:00
PR321	<b>Impact of smoking and supportive treatment on marginal bone loss around implants in patients with periodontitis history</b> <i>Abstract Presenter:</i> Nurcan Buduneli, TR	09:00 - 09:00
PR322	<b>Decontamination of titanium implants by using the SFT8 and RFPT8 tips of Er,Cr:YSGG laser</b> <i>Abstract Presenter:</i> Pavel Polenik, CZ	09:00 - 09:00
PR323	<b>Use of chlorhexidine-gel vs. postbiotics-gel in sites affected by peri-implant mucositis: a split-mouth randomized clinical study</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Andrea Butera, IT	
PR324	<b>Efficacy of different implant surface decontamination methods using spectrophotometric analysis: an in vitro study</b> <i>Abstract Presenter:</i> Leonardo Mancini, IT	09:00 - 09:00
PR325	<b>Outcome of supportive peri-implant therapy on the rates of peri-implant diseases and marginal bone loss: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Fawaghi AlAli, AE	09:00 - 09:00
PR326	<b>Evaluation of different decontamination techniques on titanium implant surfaces</b> <i>Abstract Presenter:</i> Kemal Aksoy, TR	09:00 - 09:00
PR327	<b>Antibacterial effect of direct and alternating electric current on implant surfaces contaminated with an in vitro multi-species oral biofilm model</b> <i>Abstract Presenter:</i> Verónica Odeh, ES	09:00 - 09:00
PR328	<b>Strongly adhesive and antimicrobial peptide loaded alginate-catechol based gels for application against periimplantitis</b> <i>Abstract Presenter:</i> Baixe Sébastien, FR	09:00 - 09:00
PR329	<b>Efficiency of cold atmospheric plasma, cleaning powders and their combination for biofilm removal on two different titanium implant surfaces</b> <i>Abstract Presenter:</i> Lukasz Jablonowski, DE	09:00 - 09:00
PR361	<b>Biofilm removal methods from implants titanium surface. Comparative study in vivo</b> <i>Abstract Presenter:</i> Adriana Barylyak, UA	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**COVID and Periodontology (Poster Research)**

PR200	<b>Inhibitory effects of toothpaste and mouthwash ingredients on SARS-CoV-2 infection in vitro</b> <i>Abstract Presenter:</i> Kota Tsutsumi, JP	09:00 - 09:00
PR201	<b>Assessment of dental emergency management at the rothschild hospital during the first lockdown due to COVID-19 pandemic</b> <i>Abstract Presenter:</i> Yara Saade, FR	09:00 - 09:00
PR202	<b>Triage and urgent dental care for COVID-19 patients in the Hospital District of Helsinki and Uusimaa</b> <i>Abstract Presenter:</i> Maria Mikkola, FI	09:00 - 09:00
PR203	<b>Reducing the viral load of SARS-CoV-2 in the saliva of patients with COVID-19</b> <i>Abstract Presenter:</i> Taísa Coelho Guimarães, BR	09:00 - 09:00
PR204	<b>Knowledge, sources and clinical practice of university students in relation to COVID-19 (spain)</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Matías Ferrán Escobedo Martínez, ES	
PR205	<b>Post-COVID-19 lockdown: a process audit of standard operating procedures in the department of periodontology</b> <i>Abstract Presenter:</i> Muhammad Haseeb, PK	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**ePoster Viewing**

*E-Posters*  
09:00 - 18:00

**Implant therapy - surgical & restorative protocols (Poster Research)**

PR276	<b>Comparison of clinical outcomes of immediate versus delayed placement of dental implants. A systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Ruben Garcia Sanchez, GB	09:00 - 09:00
PR277	<b>Tilted implants and bone augmentation for full-arch rehabilitation in completely edentulous maxilla of periodontal patients with 5- year follow up. A retrospective cohort study</b> <i>Abstract Presenter:</i> Gil Slutzkey, IL	09:00 - 09:00
PR278	<b>The impact of thread length on implant stability</b> <i>Abstract Presenter:</i> Vanessa Rocha Rodrigues, PT	09:00 - 09:00
PR279	<b>Does the transmucosal abutment material influence the Gingival Index?</b> <i>Abstract Presenter:</i> Katharina Kuhn, DE	09:00 - 09:00
PR280	<b>Immediate implantation, guided bone regeneration and immediate provisionalization of maxillary anterior single-tooth implants: a cohort follow-up study - PROM's Aspect</b> <i>Abstract Presenter:</i> Mathieu Fillion, FR	09:00 - 09:00
PR281	<b>Efficiency of biofilm removal on dental titanium implants after combined treatment with water jet and cold plasma - an in vitro study</b> <i>Abstract Presenter:</i> Rutger Matthes, DE	09:00 - 09:00
PR282	<b>Implant placement through impacted teeth: unconventional approach</b> <i>Abstract Presenter:</i> Soukaina Abidi, MA	09:00 - 09:00
PR283	<b>Single-tooth implants in the esthetic zone: 15-year results of immediate vs. delayed placement</b> <i>Abstract Presenter:</i> Sebastian Pohl, AT	09:00 - 09:00
PR284	<b>10-year results after immediate provisional implant restoration in partially edentulous patients</b> <i>Abstract Presenter:</i> Nikolaus Fürhauser, AT	09:00 - 09:00
PR285	<b>Does bone grafting in the buccal gap effects the outcome of immediate implants in the anterior maxilla? A systematic review</b>	09:00 - 09:00

	<b>and meta-analysis</b> <i>Abstract Presenter:</i> Saqib Habib, PK	
PR286	<b>Comparison of PEEK and titanium abutments used during loading in immediat implant placement</b> <i>Abstract Presenter:</i> ?rem Aras Gülgönül, TR	09:00 - 09:00
PR287	<b>Screw retained versus cement retained fixed prosthesis</b> <i>Abstract Presenter:</i> Rime Chraibi, MA	09:00 - 09:00
PR288	<b>Evaluation of sagittal root position (SRP) and labial bone thickness (LBT) in anterior maxilla for immediate implant placement: a cbct based study</b> <i>Abstract Presenter:</i> Saqib Habib, PK	09:00 - 09:00
PR289	<b>Guided implant surgery with orthodontic miniscrews for edentulous patients: a novel approach</b> <i>Abstract Presenter:</i> Efe Aksoy, TR	09:00 - 09:00
PR290	<b>Immediate implant placement in sockets exhibiting periapical pathology: a systematic review</b> <i>Abstract Presenter:</i> Skaiste Jaraite, LT	09:00 - 09:00
PR291	<b>Osseodensification implant placement technique with connective tissue graft: soft-tissue seal technique</b> <i>Abstract Presenter:</i> Dimitar Filtchev, BG	09:00 - 09:00
<i>E-Posters</i> 09:00 - 18:00		
<b>Prevention and supportive periodontal care (Poster Research)</b>		
PR108	<b>Oral health-related quality of life and patient-related outcome measures after 10 years of supportive periodontal care</b> <i>Abstract Presenter:</i> Hari Petsos, DE	09:00 - 09:00
PR109	<b>Is there a relationship between coffee and periodontal diseases?</b> <i>Abstract Presenter:</i> Matthew Morris, CA	09:00 - 09:00
PR110	<b>Risk factors for tooth loss and progression of periodontitis in patients undergoing periodontal maintenance therapy in an Asian cohort</b> <i>Abstract Presenter:</i> Shu Fen Dawn Siow, SG	09:00 - 09:00
PR111	<b>Complex treatment of chronic gingivitis using medicines of bioregulatory therapy</b> <i>Abstract Presenter:</i> Nina Bagdasaryan, RU	09:00 - 09:00
PR112	<b>Using a new device for subgingival air-polishing during supportive periodontal therapy</b> <i>Abstract Presenter:</i> Anne B Kruse, DE	09:00 - 09:00
PR113	<b>Power toothbrush: oscillating-rotating versus high frequency</b> <i>Abstract Presenter:</i> Eveline van der Sluijs, NL	09:00 - 09:00

PR114	<b>Glucose metabolism enhancement prevents periodontal disease during life</b> <i>Abstract Presenter:</i> Vitor C M Neves, GB	09:00 - 09:00
PR115	<b>The efficacy of powered toothbrushes: a systematic review and network meta-analysis</b> <i>Abstract Presenter:</i> Tim Thomassen, NL	09:00 - 09:00
PR116	<b>Characteristics of drop-out patients from a specialized university-based supportive periodontal therapy - the role of attachment, dental fear, and critical attitudes</b> <i>Abstract Presenter:</i> Rebecca Kowalski, DE	09:00 - 09:00
PR117	<b>Oral health status among individuals 60 years and 81 years in 2001 and 2014</b> <i>Abstract Presenter:</i> Sladjana Critén, SE	09:00 - 09:00
PR118	<b>Intentions of Lithuanian dental hygienists to leave the profession or emigrate</b> <i>Abstract Presenter:</i> Gitana Rederiene, LT	09:00 - 09:00
PR119	<b>The efficacy of air polishing in supportive periodontal therapy and implant maintenance: a systematic review and meta analysis</b> <i>Abstract Presenter:</i> Shiuan Lee Tan, MY	09:00 - 09:00
PR120	<b>In vitro evaluation of the abrasiveness of novel bioactive glass powders (BiomimF®) on ivory dentine in air polishing procedures compared to selected reference powders</b> <i>Abstract Presenter:</i> Kitichai Janaphan, GB	09:00 - 09:00
PR121	<b>A survey on oral health knowledge, attitudes and practices among pregnant women attending four general health hospitals in Switzerland</b> <i>Abstract Presenter:</i> Ioanna Lazaridi, CH	09:00 - 09:00
PR122	<b>Levels of advanced glycation end products in the skin of patients with gingivitis and periodontitis</b> <i>Abstract Presenter:</i> Elvira Högele, DE	09:00 - 09:00
PR123	<b>Is quantitative light-induced fluorescence a reasonable approach for monitoring of lesion depth in root caries lesions of patients with periodontal history? – an in vitro study</b> <i>Abstract Presenter:</i> Deborah Kreher, DE	09:00 - 09:00
PR124	<b>Tooth loss during supportive periodontal care: a prospective study</b> <i>Abstract Presenter:</i> Fatemah Hasan, GB	09:00 - 09:00
PR125	<b>Probiotic strain <i>Lactobacillus salivarius</i> LS-33 SD5208 in the management of inflammation, as a supplementary mean in the non- surgical treatment of periodontitis</b> <i>Abstract Presenter:</i> Asimina Gatou, GR	09:00 - 09:00
PR126	<b>Surface pre-reacted glass-ionomer (S-PRG) eluate protects</b>	09:00 - 09:00

	<b>gingival epithelium from penetration by lipopolysaccharides and peptidoglycans</b> <i>Abstract Presenter:</i> Hiroki Takeuchi, JP	
PR127	<b>“In vitro” study of four toothpastes for dental sensitivity treatment</b> <i>Abstract Presenter:</i> Beatriz Gión Guerra, ES	09:00 - 09:00
PR128	<b>In vitro efficacy of an amine fluoride + zinc lactate containing mouthwash</b> <i>Abstract Presenter:</i> Lyndsay Schaeffer-Korbylo, US	09:00 - 09:00
PR129	<b>Determining an accurate prognostic score for smoking using the Miller-McEntire Periodontal Prognostic Index (MMPPI)</b> <i>Abstract Presenter:</i> Dharmarajan Gopalakrishnan, IN	09:00 - 09:00
PR130	<b>Do air polishing devices present better patient-related outcomes in supportive periodontal therapy? A systematic review</b> <i>Abstract Presenter:</i> Daniela Santos Silva, PT	09:00 - 09:00
PR131	<b>Impact of glycine and erythritol/CHX powder on human gingival fibroblasts: an in vitro study</b> <i>Abstract Presenter:</i> Jens Weusmann, DE	09:00 - 09:00
PR132	<b>The probiotics in correction of microbiocenosis and cytokine balance of the oral cavity of patient with chronic inflammatory disease of periodont</b> <i>Abstract Presenter:</i> Yevgeniya Ovcharenko, RU	09:00 - 09:00
PR133	<b>Miswak or <i>Salvadora persica</i> and its extracts on oral health. A systematic review</b> <i>Abstract Presenter:</i> Giuliana Bontà, IT	09:00 - 09:00
PR134	<b>An exploratory RCT to evaluate the effect on plaque control of pictorial reports in combination with oral hygiene instruction compared with oral hygiene instruction alone</b> <i>Abstract Presenter:</i> Joon Seong, GB	09:00 - 09:00
PR135	<b>Correlation between self-perceived oral health and clinical findings in a population of general practice patients in Lekenik, Croatia</b> <i>Abstract Presenter:</i> Dubravka Matančević, HR	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

#### Periodontology/Periodontics - Miscellaneous (Poster Research)

PR206	<b>Occluding effect of Nd: YAG laser and gluma desensitizing agents on human dentinal tubules: a Scanning Electron Microscopy (SEM) study</b> <i>Abstract Presenter:</i> Alya Alzarooni, AE	09:00 - 09:00
PR207	<b>The relationship between gingival biotype and gingival width and different crown morphology among adult residents of</b>	09:00 - 09:00

	<b>United Arab Emirates</b> <i>Abstract Presenter:</i> Fatima Alnuami, AE	
PR208	<b>Correlation of self-perceived halitosis with Volatile sulfur compounds measurements in the oral breath of residents in the United Arab Emirates</b> <i>Abstract Presenter:</i> Sabha Al Qaydi, AE	09:00 - 09:00
PR209	<b>Expression of inflammatory mediators and histological changes of 3D oral mucosal model in response to yttria stabilized nano-zirconia</b> <i>Abstract Presenter:</i> Naziratul Adirah Nasarudin, MY	09:00 - 09:00
PR210	<b>Thymoquinone-regulated expression of Toll-like receptors in gingival stem cells</b> <i>Abstract Presenter:</i> Mohamed Mekhemar, DE	09:00 - 09:00
PR211	<b>Thymoquinone-mediated stemness regulation in gingival stem cells</b> <i>Abstract Presenter:</i> Yasmine Hassan, DE	09:00 - 09:00
PR212	<b>A new approach to evaluation of alveolar morphotype using three-dimensional visualization at the stage of orthodontic treatment planning in patients with periodontal diseases</b> <i>Abstract Presenter:</i> Yevgeniya Ovcharenko, RU	09:00 - 09:00
PR213	<b>Viridans-streptococci in the subgingival biofilm after professional mechanical plaque removal and subgingival instrumentation</b> <i>Abstract Presenter:</i> Holger Jentsch, DE	09:00 - 09:00
PR214	<b>Knowledge on antibiotic prescribing in periodontology among undergraduate and postgraduate students</b> <i>Abstract Presenter:</i> Baris Impram, TR	09:00 - 09:00
PR215	<b>Development and validation of a questionnaire for assessing patient satisfaction with periodontal care</b> <i>Abstract Presenter:</i> Agathe Ballieu, FR	09:00 - 09:00
PR216	<b><i>Arenicola marina</i>'s hemoglobin (M101) reduces <i>P.gingivalis</i> induced inflammation and hypoxia in vitro and in vivo</b> <i>Abstract Presenter:</i> Olivier Huck, FR	09:00 - 09:00
PR217	<b>3D bioprinting: perspectives in gingival tissue engineering</b> <i>Abstract Presenter:</i> Rawen Smirani, FR	09:00 - 09:00
PR218	<b>Self reported oral health knowledge, attitude and behaviour of preclinical and clinical dental students</b> <i>Abstract Presenter:</i> Candan Pelin Gunes, TR	09:00 - 09:00
PR219	<b>Microbiological testing of clinical samples before and after periodontal treatment. A comparative methodological study between real-time PCR and real-time-PCR associated to propidium monoazide</b> <i>Abstract Presenter:</i> Maria Sereti, CH	09:00 - 09:00



PR220	<b>Oral halitosis patients' quality of life evaluation: a clinical trial</b> <i>Abstract Presenter:</i> Agata Dudzik, PL	09:00 - 09:00
PR221	<b>Perceived stress, sleep quality and oral hygiene habits in students of biomedical sciences at the university of Zagreb, Croatia</b> <i>Abstract Presenter:</i> Ana Badovinac, HR	09:00 - 09:00
PR222	<b>The profile of adult attenders in oral health services: who has periodontal treatment based on oral health examination</b> <i>Abstract Presenter:</i> Anna Haukka, FI	09:00 - 09:00
PR223	<b>Optimizing the periodontal conditions around the impacted upper buccal canine?</b> <i>Abstract Presenter:</i> Jean-Marc Dersot, FR	09:00 - 09:00
PR224	<b>Halitosis management in France: a 15 years clinical retrospective study</b> <i>Abstract Presenter:</i> Yves Reingewirtz, FR	09:00 - 09:00
PR225	<b>Human gingival fibroblasts behaviour to dental composites</b> <i>Abstract Presenter:</i> Benedetta Ghezzi, IT	09:00 - 09:00
PR226	<b>Dental students' perception and attitudes about the impact of the COVID-19 pandemic on the practical training and clinical work</b> <i>Abstract Presenter:</i> Marcela Daria Bali?, HR	09:00 - 09:00
PR227	<b>JAK inhibition reduces bone resorption and inflammation in experimentally induced periodontitis in rats</b> <i>Abstract Presenter:</i> Mariely Araújo Godoi, BR	09:00 - 09:00
PR228	<b>Elucidating the antibacterial activities of home-grown <i>Peperomia pellucida</i> on <i>Aggregatibacter actinomycetemcomitans</i></b> <i>Abstract Presenter:</i> Mahyunah Masud, MY	09:00 - 09:00
PR229	<b>Dental hygienist's approach and probiotics for periodontal disease in pregnant women. A 10-year retrospective study report on Japanese people</b> <i>Abstract Presenter:</i> Masahiko Wakumoto, JP	09:00 - 09:00
PR230	<b>Calcium sulfate revisited as biomaterial in periodontal regeneration: a historical and current review</b> <i>Abstract Presenter:</i> Ikhwan Hakimi Mohamad, MY	09:00 - 09:00
PR231	<b>Characterization of MyD88 isoform expression in Sjögren's syndrome</b> <i>Abstract Presenter:</i> Benjámín Farkas, HU	09:00 - 09:00
PR232	<b>Performance indicators to assess the quality of periodontal care: a preliminary study</b> <i>Abstract Presenter:</i> Marine Potier, FR	09:00 - 09:00
PR233	<b>Periodontal characteristics of patients visiting a halitosis clinic in Belgium</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Jits Robben, BE	
PR234	<b>Association between oral malodour and tongue coating: clinical and autofluorescent evaluation – a pilot study</b> <i>Abstract Presenter:</i> Zuzanna Oruba, PL	09:00 - 09:00
PR235	<b>Observational analysis on macroscopic periodontal anatomy in individuals affected by ectodermal dysplasia. A case-series study</b> <i>Abstract Presenter:</i> Marco Montevecchi, IT	09:00 - 09:00
PR236	<b>In vivo application of Raman spectroscopy for bone evaluation in oral reconstructive/regenerative surgery</b> <i>Abstract Presenter:</i> Eduard Gatin, RO	09:00 - 09:00
PR237	<b>A systematic review of In vitro three dimensional (3D) gingival model in periodontal research</b> <i>Abstract Presenter:</i> Zainab AlFatlawi, GB	09:00 - 09:00
PR238	<b>Patient autonomy and preference for dental decision-making with periodontitis patients</b> <i>Abstract Presenter:</i> Ji-Young Jung, KR	09:00 - 09:00
PR239	<b>Papilla suture technique affects post-surgical papilla dimensions</b> <i>Abstract Presenter:</i> Adi Eden, IL	09:00 - 09:00
PR240	<b>Oxidative stress biomarkers in experimentally induced periodontitis in hyperglycemic Wistar rats treated with two natural antioxidants</b> <i>Abstract Presenter:</i> Alla Belova, RO	09:00 - 09:00
PR241	<b>The relation of masticatory efficiency with dementia risk: a population based matched case-control study</b> <i>Abstract Presenter:</i> Kyunga Ko, KR	09:00 - 09:00
PR242	<b>Sensitivity and specificity of the novel 3D-like Bitewing Plus technology for the detection of caries lesions – an ex vivo study</b> <i>Abstract Presenter:</i> Kathrin Becker, DE	09:00 - 09:00
PR354	<b>Prevalence, extension and severity of periodontal disease in adult populations of Northern Portugal</b> <i>Speaker:</i> Cristina Cabral, PT	09:00 - 09:00
PR362	<b>Erbium laser with adjunct sodium hypochlorite and peroxide reduces bacterial viability in-vitro for root-cariogenic bacteria</b> <i>Abstract Presenter:</i> Kinga Grzech-Leśniak, PL	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**Periodontal plastic surgery (Poster Research)**

PR136	<b>Tunnel approach versus coronally advanced flap in treating gingival recessions: a systematic review</b> <i>Abstract Presenter:</i> Nor Shafina Mohamed Nazari, MY	09:00 - 09:00
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Scientific program

PR137	<b>Assessing the effect of thickness of xenogenic dermal matrix in treating multiple adjacent gingival recessions</b> <i>Abstract Presenter:</i> Robert Reza Miremadi, BE	09:00 - 09:00
PR138	<b>Positive relationship between the dimensions of clinical gingival recessions and associated alveolar bone dehiscences – a biometric study</b> <i>Abstract Presenter:</i> Michael Saminsky, IL	09:00 - 09:00
PR139	<b>Collagen tissue matrix versus connective tissue graft with modified coronally advanced tunnel technique in the multiple gingival recessions treatment: split-mouth study with 5-year of follow-up</b> <i>Abstract Presenter:</i> Iva Milinkovic, RS	09:00 - 09:00
PR140	<b>The evaluation of two different graft positioning techniques in free gingival graft operations on creeping attachment-case series</b> <i>Abstract Presenter:</i> Seyma Eken, TR	09:00 - 09:00
PR141	<b>Root coverage at lower incisors: clinical and aesthetic outcomes</b> <i>Abstract Presenter:</i> Annarita Signoriello, IT	09:00 - 09:00
PR142	<b>Root coverage at upper incisors: clinical and aesthetic outcomes</b> <i>Abstract Presenter:</i> Annarita Signoriello, IT	09:00 - 09:00
PR143	<b>Laterally closed tunnel combined to connective tissue graft for treatment of mandibular gingival recessions: a case-series</b> <i>Abstract Presenter:</i> Maria Vilar Doceda, FR	09:00 - 09:00

*E-Posters*

09:00 - 18:00

**Periodontal diseases and systemic diseases (Poster Research)**

PR147	<b>Is there any relationship between polycystic ovarian syndrome and gingivitis?</b> <i>Abstract Presenter:</i> Gözde Cesur, TR	09:00 - 09:00
PR148	<b>Effect of subgingival instrumentation on neutrophil elastase and C-reactive protein in grade B and C periodontitis: an exploratory analysis</b> <i>Abstract Presenter:</i> Mario Schröder, DE	09:00 - 09:00
PR149	<b>Periodontitis and metabolic associated fatty liver disease correlation in obese patients - preliminary results of a cross-sectional study</b> <i>Abstract Presenter:</i> Dejana ?olak, SI	09:00 - 09:00
PR150	<b>DMFT/S scores in adults with diabetes: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Dagmar Slot, NL	09:00 - 09:00
PR151	<b>Evaluating the prevalence and severity of periodontal disease in</b>	09:00 - 09:00

	<b>patients with haemodialysis-dependant chronic kidney disease</b> <i>Abstract Presenter:</i> Rebecca Ridout*, GB	
PR152	<b>Impact of occlusal trauma on periodontal parameters in subjects with stage IV periodontitis. A pilot study</b> <i>Abstract Presenter:</i> Kristupas Skarulis, LT	09:00 - 09:00
PR153	<b>Anemia and chronic inflammation in old age: what is the role of periodontitis? PARAN study</b> <i>Abstract Presenter:</i> Alicia Maria Blasi, DE	09:00 - 09:00
PR154	<b>Clinical and periodontal evaluation of the effectiveness of a probiotic-based toothpaste in periodontal patients with type 1 diabetes</b> <i>Abstract Presenter:</i> Andrea Butera, IT	09:00 - 09:00
PR155	<b>Evaluation of smoking confounding in the association between periodontitis and cardiovascular disease</b> <i>Abstract Presenter:</i> Fernando Valentim Bitencourt, DK	09:00 - 09:00
PR156	<b>Comparison of oral health and quality of life in patients with controlled and uncontrolled diabetes: a questionnaire-based study</b> <i>Abstract Presenter:</i> Evelina Rokait?, LT	09:00 - 09:00
PR157	<b>Comparison of oxidative stress biomarkers in GCF, saliva and blood serum between healthy pregnant and pregnant with gestational diabetes</b> <i>Abstract Presenter:</i> Oya Kaya ?im?ek, TR	09:00 - 09:00
PR158	<b>Influence of periodontitis on levels of autoantibodies in rheumatoid arthritis patients: a systematic review</b> <i>Abstract Presenter:</i> Nazurah Nik Eezammuddeen, MY	09:00 - 09:00
PR159	<b>Salivary antioxidant profile in patients with systemic sclerosis and periodontitis</b> <i>Abstract Presenter:</i> Stefan Sredojevi?, RS	09:00 - 09:00
PR160	<b>Periodontitis as a risk factor for preeclampsia - systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Marta Czesnikiewicz-Guzik, GB	09:00 - 09:00
PR161	<b>Impact of bariatric surgery on the periodontal status of obese subjects: a pilot study</b> <i>Abstract Presenter:</i> Natacha Oyarzo, CL	09:00 - 09:00
PR162	<b>Severe asthma influence on dental and periodontal status: an observational study</b> <i>Abstract Presenter:</i> Alexia Vinel, FR	09:00 - 09:00
PR163	<b>Impact of mandibular advancement appliance on periodontal health: a systematic review of the literature</b> <i>Abstract Presenter:</i> Nathalie Mansour, FR	09:00 - 09:00
PR164	<b>Periodontal status of individuals with congenital neutropenia of different genetic causes: a case series of 31 patients</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Clément Messeca, FR	
PR165	<b>Periodontal status in a group of ischemic stroke patients</b> <i>Abstract Presenter:</i> Iulia Cristina Micu, RO	09:00 - 09:00
PR166	<b>Periodontal status of patients with multiple sclerosis in Polish population</b> <i>Abstract Presenter:</i> Maciej Raczkowski, PL	09:00 - 09:00
PR167	<b>A case control study on oral microbiota and local inflammatory biomarkers in Parkinson's disease</b> <i>Abstract Presenter:</i> Alkisti Zekeridou, CH	09:00 - 09:00
PR168	<b>Evaluation of the relationship between periodontitis, diabetes mellitus and lens autofluorescence test</b> <i>Abstract Presenter:</i> Ali Gokalp Terzioglu, TR	09:00 - 09:00
PR169	<b>Periodontal conditions in people with eating disorders: systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Pamela Reyes Garita, FR	09:00 - 09:00
PR170	<b>Weight gain is associated with alveolar bone loss among males</b> <i>Abstract Presenter:</i> Paula Tegelberg, FI	09:00 - 09:00
PR171	<b>The use of ultrasonic dopplerography as a method for dynamic diagnosing periodontal diseases in patients with diabetes</b> <i>Abstract Presenter:</i> Eleonora Grinenko, RU	09:00 - 09:00
PR172	<b>The influence of overweight on the manifestations of inflammatory periodontal disease in patients with diabetes</b> <i>Abstract Presenter:</i> Ekaterina Loboda, RU	09:00 - 09:00
PR173	<b>Periodontal profile and microbiome in patients with inflammatory bowel diseases: a case-control study (preliminary results)</b> <i>Abstract Presenter:</i> Kalia Hadjisavva, FR	09:00 - 09:00
PR174	<b>Periodontal therapy reduces cardiovascular risk in severe hypertensive patients: results of a 10-years follow up study</b> <i>Abstract Presenter:</i> Fábio Vidal, BR	09:00 - 09:00
PR175	<b>Clinical periodontal conditions and microbiological findings on driveline of patients with left-ventricular assist devices (LVAD) – results of a clinical cohort study</b> <i>Abstract Presenter:</i> Dirk Ziebolz, DE	09:00 - 09:00
PR176	<b>MMP-8 levels in the crevicular fluid in end-stage chronic kidney disease patients with periodontal disease</b> <i>Abstract Presenter:</i> Alina Maria Andronovici, RO	09:00 - 09:00
PR177	<b>Management of dental care in patients under immunotherapies: a survey on practices of French specialists and general dentists</b> <i>Abstract Presenter:</i> Marjolaine Gosset, FR	09:00 - 09:00
PR178	<b>Severe periodontitis and levels of vitamin D in Kosovo population, a preliminary study</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Zana Sllamniku Dalipi, AL	
PR179	<b>The markers of systemic inflammation in healthy and periodontitis patients</b> <i>Abstract Presenter:</i> Smiljka Cicmil, BA	09:00 - 09:00
PR180	<b>Microbiological and clinical periodontal evaluation of gastric cancer patients</b> <i>Abstract Presenter:</i> Flavia Mirela Nicolae, RO	09:00 - 09:00
PR181	<b>Role of periodontitis in Alzheimer disease. Is there any association?</b> <i>Abstract Presenter:</i> María Laura Giovannoni, ES	09:00 - 09:00
PR182	<b>Prevalence of IL-1 gene polymorphisms and their association with chronic periodontitis</b> <i>Abstract Presenter:</i> Aniela Brodzikowska, PL	09:00 - 09:00
PR183	<b>The effect of full mouth disinfection on periodontal wound, periodontal inflammatory burden and serum C-reactive protein level</b> <i>Abstract Presenter:</i> Eva Skaleric, SI	09:00 - 09:00
PR184	<b>Biomarkers in periodontitis positively influenced by systemic psoriasis treatment</b> <i>Abstract Presenter:</i> Michael Patyna, DE	09:00 - 09:00
PR185	<b>The relationship between the severity of periodontal lesions, magnitude of the systemic inflammatory response and the ankle-brachial index as an indicator of atherosclerosis</b> <i>Abstract Presenter:</i> Agnieszka Caba?a, PL	09:00 - 09:00
PR186	<b>Assessment of periodontal ligament in systemic sclerosis patients: a case-control study</b> <i>Abstract Presenter:</i> Marianna Gavriiloglou, FR	09:00 - 09:00
PR187	<b>Mitochondrial respiration in intact epithelial cells of oral mucosa as biomarker of enhanced oral inflammation in patients with ischemic stroke</b> <i>Abstract Presenter:</i> Patryk Bober, PL	09:00 - 09:00
PR188	<b>Periodontal health and vitamin D levels in patients with colorectal carcinoma</b> <i>Abstract Presenter:</i> Domagoj Vražić, HR	09:00 - 09:00
PR189	<b>Management of patients on antibody agent therapy in dental surgery: systematic review of the literature</b> <i>Abstract Presenter:</i> Hend Ouertani, TN	09:00 - 09:00
PR190	<b>Medical residents and intern's knowledge, opinions and practice behaviors regarding the relationship between periodontal disease and systemic health</b> <i>Abstract Presenter:</i> Nadia Khilil, MA	09:00 - 09:00
PR191	<b>Relationship between sleep duration and periodontitis: a systematic review</b>	09:00 - 09:00

	<i>Abstract Presenter:</i> Sooyoung Kang, CA	
PR192	<b>Prospective observational study on preoperative management/peri-procedure of antithrombotic drugs in the "real world"</b> <i>Abstract Presenter:</i> María González Zamora, ES	09:00 - 09:00
PR193	<b>Does non-surgical periodontal treatment reduce inflammatory markers in patients with cardiovascular disease? A systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Asma Makni, BE	09:00 - 09:00
PR194	<b>The effect of sword bean extract on the relationship between periodontitis and atherosclerosis</b> <i>Abstract Presenter:</i> Shunsuke Yanase, JP	09:00 - 09:00
PR195	<b>Candidate inflammatory markers associated with periodontal health status in obese patients</b> <i>Abstract Presenter:</i> Shray Patel, GB	09:00 - 09:00
PR196	<b>Edentulism among diabetes patient compared to non-diabetic controls: - a systematic review and meta-analysis -</b> <i>Abstract Presenter:</i> Laura Ziukaite, NL	09:00 - 09:00
PR197	<b>The effect of periodontal treatment on oral health and salivary cytokine levels in patients with rheumatoid arthritis</b> <i>Abstract Presenter:</i> Carina Fei, SE	09:00 - 09:00
PR198	<b>Exploring the link between gingival inflammation, monocyte platelet aggregates (MPAs), and thrombotic risk: an exploratory analysis</b> <i>Abstract Presenter:</i> Shailly Luthra, GB	09:00 - 09:00
PR199	<b>Is periodontitis associated with preterm birth? A synthesized data and meta-analysis</b> <i>Abstract Presenter:</i> Arkadiusz Dziedzic, PL	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**Implant therapy - bone regeneration (Poster Research)**

PR258	<b>Alveolar ridge preservation: a cochrane systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Sara Ali, AE	09:00 - 09:00
PR259	<b>Preliminary histological comparison of injectable biphasic calcium phosphate and anorganic bovine bone in alveolar bone regeneration</b> <i>Abstract Presenter:</i> Matej Tomas, HR	09:00 - 09:00
PR260	<b>Bone regenerative performance of an in silico optimized 3D-printed ceramic scaffold in a canine model using X-ray microtomography analysis</b> <i>Abstract Presenter:</i> Dorien Van hede, BE	09:00 - 09:00
PR261	<b>Histological and dimensional evaluation of the alveolar ridge</b>	09:00 - 09:00

	<b>when using collagen matrix and collagen embedded xenogenic bone substitute</b> <i>Abstract Presenter:</i> Anat Katorza, IL	
PR262	<b>Effects of resveratrol on bone healing in the extraction socket of streptozotocin-induced diabetes mice with experimental periodontitis</b> <i>Abstract Presenter:</i> Jo-Young Suh, KR	09:00 - 09:00
PR263	<b>Effects of TiO<sub>2</sub>/Hydroxyapatite with electronic structure change on bone regeneration in rabbit calvarial bone defects</b> <i>Abstract Presenter:</i> Chakyoun Kwon, KR	09:00 - 09:00
PR264	<b>Hydrogel containing an oxygen carrier (M101) improves wound healing in a calvaria bone defect model</b> <i>Abstract Presenter:</i> Catherine Petit, FR	09:00 - 09:00
PR265	<b>Permeability of membranes used for regenerative procedures to oral bacteria</b> <i>Abstract Presenter:</i> Ana Clara Kuerten Gil, BR	09:00 - 09:00
PR266	<b>Immediate implantation, guided bone regeneration and immediate provisionalization of maxillary anterior single-tooth implants: a cohort follow-up study - change in bone level and Soft Tissue aspects</b> <i>Abstract Presenter:</i> Mathieu Fillion, FR	09:00 - 09:00
PR267	<b>The evaluation of bone regeneration following socket preservation with concentrated growth factor (CGF) and poly lactic-co-glycolic acid (PLGA) scaffold in rabbits</b> <i>Abstract Presenter:</i> Nur Zety Mohd Noh, MY	09:00 - 09:00
PR268	<b>RCT preliminary data on vertical bone gain, bone density, pseudo-periosteum and implant stability after vertical ridge augmentation</b> <i>Abstract Presenter:</i> Beatrice Longhi, IT	09:00 - 09:00
PR269	<b>Comparative three-dimensional radiographic assessment of horizontal alveolar ridge augmentation with full- or split thickness flap design – preliminary report of an ongoing study</b> <i>Abstract Presenter:</i> Balint Molnar, HU	09:00 - 09:00
PR270	<b>Simvastatin concentration embedded into poly(lactic-co-glycolic acid)-based scaffolds on promoting bone formation in critical <i>in vivo</i> bone defects: a systematic review</b> <i>Abstract Presenter:</i> Eduarda Blasi Magini, BR	09:00 - 09:00
PR271	<b>Late sinus membrane perforation during transcrestal sinus floor elevation</b> <i>Abstract Presenter:</i> Didier Victor Blase, BE	09:00 - 09:00
PR272	<b>Osteoimmunology and oxidative stress: new insights on how bone loss occurs around implants. Scientific review</b> <i>Abstract Presenter:</i> Joseph Choukroun, FR	09:00 - 09:00



Scientific program

PR273	<b>Post-extraction ridge preservation using dense PTFE membranes: a systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Vasiliki P Koidou, US	09:00 - 09:00
PR274	<b>Influence of different stabilization measures on graft stability in GBR procedures – a pre-clinical study</b> <i>Abstract Presenter:</i> Kai Fischer, CH	09:00 - 09:00
PR275	<b>Bone defect volumetric and surface registration: a methodological approach for bone regeneration preclinical studies</b> <i>Abstract Presenter:</i> Bruno De Carvalho, BE	09:00 - 09:00

*E-Posters*  
09:00 - 18:00

**Diagnosis and risk factors of periodontal diseases (Poster Clinical)**

PC008	<b>Advanced periodontitis is connected to vitamin D deficiency and normal but high level of neutrophils</b> <i>Abstract Presenter:</i> Shlomo Via, IL	09:00 - 09:00
PC009	<b>Cowden syndrome with periodontitis: a clinical case</b> <i>Abstract Presenter:</i> Tony Rolo, PT	09:00 - 09:00
PC010	<b>Effective management of necrotizing gingivitis: about two cases</b> <i>Abstract Presenter:</i> Yamine Hanine, MA	09:00 - 09:00
PC011	<b>Clinical and histological assessments of amlodipine-influenced gingival enlargement in a periodontitis patient with diabetes mellitus</b> <i>Abstract Presenter:</i> Masfueh Razali, MY	09:00 - 09:00
PC249	<b>Management of an inflammatory gingival enlargement</b> <i>Speaker:</i> Amira Besbes, TN	09:00 - 09:00

*Clinician*  
13:30 - 15:00

CHA

**W.1.1. - Treatment decisions: when to undertake staged bone regeneration in the anterior maxilla**

*Chair:* Zvi Artzi, IL

<b>Introduction</b> <i>Speaker:</i> Zvi Artzi, IL	13:30 - 13:35
<b>Next level of lateral bone regeneration using GBR</b> <i>Speaker:</i> Ronald Jung, CH	13:35 - 14:00
<b>Lateral Bone Regeneration using platelet derivatives</b> <i>Speaker:</i> Marc Quirynen, BE	14:00 - 14:25
<b>Lateral and Vertical Bone Regeneration using autologous grafts</b> <i>Speaker:</i> Luca de Stavola, IT	14:25 - 14:50
<b>Discussion</b> <i>Speaker:</i> Zvi Artzi, IL	14:50 - 15:00

Scientific program

Hygiene & Prevention  
13:30 - 15:00

C4-M1

**W.2.1. - Non-surgical periodontitis therapy: present and future approaches**

Chair: Filippo Graziani, IT

<b>Introduction</b>	13:30 - 13:35
<i>Speaker:</i> Filippo Graziani, IT	
<b>Do we really understand subgingival instrumentation? What are we doing: debridement, scaling or root planing?</b>	13:35 - 13:55
<i>Speaker:</i> Cristiano Tomasi, IT	
<b>Are curettes still relevant? And sonic/ultrasonic instrumentation?</b>	13:55 - 14:15
<i>Speaker:</i> Jean Suvan, GB	
<b>Could we use regenerative materials during non surgical instrumentation?</b>	14:15 - 14:35
<i>Speaker:</i> Filippo Graziani, IT	
<b>Could we use adjunctive lasers during non surgical instrumentation?</b>	14:35 - 14:55
<i>Speaker:</i> Markus Laky, AT	
<b>Summary &amp; Conclusions</b>	14:55 - 15:00
<i>Speaker:</i> Filippo Graziani, IT	

Dedicated sessions  
13:30 - 15:00

AD 10-12

**W.3.1. - Periodontology and COVID-19 pandemic - what have we learnt?**

Chair: Nagihan Bostanci, SE

<b>Introduction</b>	13:30 - 13:35
<i>Speaker:</i> Nagihan Bostanci, SE	
<b>The role of saliva in transmission of SARS-CoV-2 and relevance in diagnostic tests</b>	13:35 - 13:55
<i>Speaker:</i> Saso Ivanovski, AU	
<b>The Role of Aerosol on the Transmission of Coronavirus and the Impact in Dentistry</b>	13:55 - 14:15
<i>Speaker:</i> Purnima Kumar, US	
<b>Are oral health professionals more likely to be exposed to COVID-19?</b>	14:15 - 14:35
<i>Speaker:</i> Iain Chapple, GB	
<b>Debate</b>	14:35 - 15:00
<i>Speaker:</i> Nagihan Bostanci, SE	
<i>Speaker:</i> Iain Chapple, GB	
<i>Speaker:</i> Purnima Kumar, US	
<i>Speaker:</i> Saso Ivanovski, AU	

Scientific program

Dedicated sessions

13:30 - 15:00

AD 15

**W.4.1. - Periodontal therapy step by step around the world**

Chair: Nicola West, GB

<b>Presentation of the session</b>	13:30 - 13:35
Speaker: Nicola West, GB	
<b>Non surgical therapy</b>	13:35 - 13:55
Speaker: Magda Feres, BR	
<b>Surgical therapy</b>	13:55 - 14:15
Speaker: Sérgio Kahn, BR	
<b>Mucogingival surgery</b>	14:15 - 14:35
Speaker: Constanza Pontarolo, AR	
<b>Supportive periodontal care</b>	14:35 - 14:55
Speaker: Lisa Heitz-Mayfield, AU	
<b>Summary &amp; Conclusions</b>	14:55 - 15:00
Speaker: Nicola West, GB	

Extraordinary sessions

13:30 - 15:00

BO4

**Joint EFP/Osteology Session at EuroPerio10**

Moderator: Anton Sculean, CH

<b>Osteology Foundation and EFP Introduction</b>	13:30 - 13:40
Speaker: Anton Sculean, CH	
Speaker: Andreas Stavropoulos, DK	
<b>Recession coverage: do soft tissue replacement materials work on the long-term?</b>	13:40 - 14:00
Speaker: Sofia Aroca, FR	
<b>Wound healing following surgical procedures</b>	14:00 - 14:20
Speaker: Nikos Donos, GB	
<b>Soft tissue management in esthetic defects around implants- what is the long-term outcome?</b>	14:20 - 14:40
Speaker: Giovanni Zucchelli, IT	
<b>Discussion</b>	14:40 - 15:00
Speaker: Anton Sculean, CH	
Speaker: Andreas Stavropoulos, DK	
Speaker: Sofia Aroca, FR	
Speaker: Nikos Donos, GB	
Speaker: Giovanni Zucchelli, IT	

Sponsor Workshop

13:45 - 16:45

BO1

**SW.1 - Neodent**

<b>Neodent® 2-pieces zirconia implant: Zi™ clinical experience &amp;</b>	13:45 - 13:45
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**hands-on**

*Speaker:* Sérgio Rocha Bernardes, BR

*Sponsor Workshop*  
13:45 - 16:45

BO2

**SW.2 - Geistlich Biomaterials**

**Prevention by Regeneration – Save the bone & save the implant with soft tissue augmentation**

13:45 - 13:45

*Speaker:* Nadja Naenni, CH

*Speaker:* Daniel Thoma, CH

*Sponsor Workshop*  
13:45 - 16:45

BO3

**SW.3 - E.M.S Electro Medical Systems**

**Guided biofilm therapy – clinical applications in a dental office.**

13:45 - 13:45

*Speaker:* Klaus Dieter Bastendorf, DE

*Clinician*  
15:15 - 16:45

CHA

**W.1.2. - Critical Factors in the Surgical Treatment of Gingival Recession Defects affecting the Lower Anterior Area**

*Chair:* Anton Sculean, CH

**Presentation of the session**

15:15 - 15:20

*Speaker:* Anton Sculean, CH

**Tunneling approaches with connective tissue autografts**

15:20 - 15:45

*Speaker:* Anton Sculean, CH

**Laterally Stretched (LAST) Flaps with connective tissue autografts**

15:45 - 16:10

*Speaker:* Nelson Carranza, AR

**Coronally Advanced Flaps with connective tissue autografts**

16:10 - 16:35

*Speaker:* Martina Stefanini, IT

**Summary & Conclusions**

16:35 - 16:45

*Speaker:* Anton Sculean, CH

*Hygiene & Prevention*  
15:15 - 16:45

C4-M1

**W.2.2. - Advances in non-surgical peri-implant therapy**

*Chair:* Rok Gašperšič, SI

**Introduction**

15:15 - 15:20

*Speaker:* Rok Gašperšič, SI

**Use of combined mechanical and antimicrobial therapies**

15:20 - 15:40

*Speaker:* Antonio Liñares, ES

**Lasers as adjuncts to mechanical therapy**

15:40 - 16:00

*Speaker:* Giovanni Salvi, CH

**How to design cleanable prosthesis**

16:00 - 16:20

*Speaker:* Martin Janda, SE

**Cold plasma in the treatment of peri-implantitis**

16:20 - 16:40

*Speaker:* Thomas Kocher, DE

**Conclusions & closing**

16:40 - 16:45

*Speaker:* Rok Gašperšič, SI

*Dedicated sessions*

15:15 - 16:45

AD 10-12

**W.3.2. - Marketing management: understanding the patients**

*Chair:* Filippo Graziani, IT

**Presentation of the session**

15:15 - 15:25

*Speaker:* Filippo Graziani, IT

**Why is patient loyalty so important?**

15:25 - 16:10

*Speaker:* Carlo Gallucci, ES

**Discussion**

16:10 - 16:20

**EFP Alumni Assembly**

16:20 - 16:45

*Dedicated sessions*

15:15 - 16:45

AD 15

**W.4.2. - Implant therapy step by step around the world**

*Chair:* Andreas Stavropoulos, DK

**Presentation of the session**

15:15 - 15:20

*Speaker:* Andreas Stavropoulos, DK

**The Battle CTG vs ADM in Immediate Implant placement**

15:20 - 15:45

*Speaker:* Alain Romanos, LB

**Prevention of peri-implant diseases and conditions - The key role of the Periodontists**

15:45 - 16:10

*Speaker:* Teresa Chanting Sun, TW

**Soft Tissue Integration – Why is it important and how could it be achieved**

16:10 - 16:35

*Speaker:* Saso Ivanovski, AU

**Summary & Conclusions**

16:35 - 16:45

*Speaker:* Andreas Stavropoulos, DK

*Poster discussion*

15:45 - 16:45

**PD8 - Peri-implant diseases: Treatment approaches (Poster discussion area 6)**

*Chair:* Zvi Artzi, IL

PD041

**Chlorexidine pre-prophylaxis in implant surgery: A randomized proof of concept clinical trial**

15:45 - 15:53

	<i>Abstract Presenter:</i> Marco Orlandi, GB	
PD042	<b>Analysis of curved titanium surfaces following ultrasonic instrumentation to manage peri-implant mucositis - An in-vitro study</b> <i>Abstract Presenter:</i> Claire McCarthy, GB	15:53 - 16:01
PD043	<b>Clinical and microbiological effects of hyaluronic acid and chlorhexidine mouthrinse in the treatment of peri-implant mucositis</b> <i>Abstract Presenter:</i> Cavid Ahmedbeyli, AZ	16:01 - 16:09
PD044	<b>Topical doxycycline and air-polishing with erythritol powder for the non-surgical treatment of peri-implantitis. A case series of a novel protocol.</b> <i>Abstract Presenter:</i> Nicolo Cavalli, IT	16:09 - 16:17
PD045	<b>Regenerative approach of two-wall peri-implantitis defects with L-PRF block: prospective case series</b> <i>Abstract Presenter:</i> Orlando Martins, PT	16:17 - 16:25
PD046	<b>New strategy for reconstructive treatment of infrabony peri-implant defects – Clinical protocol and preliminary report of 12 months radiographic outcome of a case series</b> <i>Abstract Presenter:</i> Hanan Al Ghawi-Begovic, DE	16:25 - 16:33
PD047	<b>Two- and four-year follow-ups after adjuvant photodynamic therapy in the surgical regenerative therapy of peri-implantitis. Clinical and immunological outcomes assessment.</b> <i>Abstract Presenter:</i> Dragana Rakasevic, RS	16:33 - 16:41
<i>Poster discussion</i> 15:45 - 16:50		
<b>PD4 - Research in periodontology - miscellaneous (Poster discussion area 3)</b>		
<i>Chair:</i> Mia Rakic, ES		
PD017	<b>In vitro dentinal tubule occlusion with stannous fluoride containing dentifrice</b> <i>Abstract Presenter:</i> Çiğdem Doğan, TR	15:45 - 15:53
PD018	<b>Case based learning in undergraduate curriculum of periodontology</b> <i>Abstract Presenter:</i> Isabel Scharfenberg, DE	15:53 - 16:01
PD019	<b>Buccal alveolar dimensional changes and movement rate of mandibular anterior teeth after a novel method of periodontally accelerated osteogenic orthodontics. Preliminary results of an RCT.</b> <i>Abstract Presenter:</i> Pal Nagy, HU	16:01 - 16:09
PD020	<b>Prospective study of oral mucosal wound healing</b> <i>Abstract Presenter:</i> Stephane Kerner, FR	16:09 - 16:17
PD021	<b>Outcomes of endodontic microsurgery (EMS) from a tertiary care hospital in a low- and middle-income country: A follow-up</b>	16:17 - 16:25

	<b>of up to 39 months</b> <i>Abstract Presenter:</i> Fahad Umer, PK	
PD022	<b>Vital root resection in periodontal patients-case series</b> <i>Abstract Presenter:</i> Shir Keshales-Shultz, IL	16:25 - 16:33
PD023	<b>Effect of endodontic treatment on periodontal outcomes in endo-periodontal lesions: A systematic review</b> <i>Abstract Presenter:</i> Kadiatou Sy, FR	16:33 - 16:41
PD024	<b>Outcome of intentional replantation of endodontically treated teeth with periapical pathosis: A systematic review &amp; meta-analysis</b> <i>Abstract Presenter:</i> Faizan Javed, PK	16:41 - 16:49
<i>Poster discussion</i> 15:45 - 16:50		
<b>PD1 - Pathogenesis of Periodontitis (Poster discussion area 1)</b> <i>Chair:</i> Lior Shapira, IL		
PD001	<b>Periodontal status and health behavior among adults in Lithuania</b> <i>Abstract Presenter:</i> Milda Vitosyte, LT	15:45 - 15:53
PD002	<b>Expression of tight junction proteins in smokers and non-smokers with generalized stage III periodontitis</b> <i>Abstract Presenter:</i> Zeliha Güney, TR	15:53 - 16:01
PD003	<b>Serum biomarker profiling in smokers and non-smokers following periodontal therapy</b> <i>Abstract Presenter:</i> Lorenz Volker Knie, NO	16:01 - 16:09
PD004	<b>Mapping the immune landscape of initiation and resolution of periodontitis</b> <i>Abstract Presenter:</i> Carla Alvarez Rivas, US	16:09 - 16:17
PD005	<b>Enamel matrix derivative dampens pyroptosis in inflammatory macrophages</b> <i>Abstract Presenter:</i> Mariane Beatriz Sordi, BR	16:17 - 16:25
PD006	<b>Prenyltransferase genes reveal essential role of prenylation for inflammatory response in human gingival fibroblasts</b> <i>Abstract Presenter:</i> Daniel Diehl, DE	16:25 - 16:33
PD007	<b>Influence of periodontal inflammation on tryptophan-kynurenine metabolism</b> <i>Abstract Presenter:</i> Sivge Kurgan, TR	16:33 - 16:41
PD008	<b>25-hydroxyvitamin D<sub>3</sub> affects immunomodulatory activities of human periodontal ligament-derived mesenchymal stromal cells against CD4<sup>+</sup>-T lymphocytes</b> <i>Abstract Presenter:</i> Christian Behm, AT	16:41 - 16:49

Scientific program

Poster discussion  
15:45 - 16:50

**PD2 - Periodontal Diagnosis (Poster discussion area 2)**

Chair: Bruno Loos, NL

PD009	<b>A digital support system for the new 2017 World Workshop Periodontal Classification - A pilot validation study of the "PerioClassApp"</b> <i>Abstract Presenter:</i> Haya Meir, IL	15:45 - 15:53
PD010	<b>Use of the 2017 periodontitis case definition in an adult population. Data from the Tromsø study: Tromsø7.</b> <i>Abstract Presenter:</i> Gro Eirin Holde, NO	15:53 - 16:01
PD012	<b>Occlusal trauma and malocclusions in subjects with stage III-IV periodontitis: Preliminary results of a prospective study</b> <i>Abstract Presenter:</i> Egl? Zas?iurinskien?, LT	16:01 - 16:09
PD013	<b>Factors associated with periodontal disease in an adult population: A series of cross-sectional studies 1983-2018</b> <i>Abstract Presenter:</i> Kristina Edman, SE	16:09 - 16:17
PD014	<b>Photometric CIELAB analysis of gingival response to an active periodontal treatment</b> <i>Abstract Presenter:</i> Yaniv Mayer, IL	16:17 - 16:25
PD015	<b>Frequent misdiagnosis of an odontogenic keratocyst for a lateral periodontal cyst in premolar and anterior tooth-bearing areas</b> <i>Abstract Presenter:</i> Kristen Richey, US	16:25 - 16:33
PD016	<b>Do anticoagulants affect gingival bleeding? A systematic review.</b> <i>Abstract Presenter:</i> Christina Zachariadou, US	16:33 - 16:41

Poster discussion  
15:45 - 16:50

**PD7 - Research in bone regeneration - preclinical studies (Poster discussion area 5)**

PD033	<b>A polymer-antibiotic-loaded coating developed on Ti-nanotextured surfaces as a double effectiveness biomaterial for implants: Antibacterial and biocompatibility properties</b> <i>Abstract Presenter:</i> Marcel Ferreira Kunrath, SE	15:45 - 15:53
PD034	<b>Effects of combined use of recombinant human fibroblast growth factor-2 and carbonated apatite on peri-implant ridge augmentation in a canine model</b> <i>Abstract Presenter:</i> Katsuyuki Yamanaka, JP	15:53 - 16:01
PD035	<b>Blood flow kinetics of full- and split thickness flaps following alveolar ridge augmentation procedure measured by laser speckle contrast imaging</b> <i>Abstract Presenter:</i> Balint Molnar, HU	16:01 - 16:09
PD036	<b>Guided bone regeneration using carbonate apatite bone graft substitute and resorbable GBR membrane: An experimental</b>	16:09 - 16:17



	<b>study in dogs</b> <i>Abstract Presenter:</i> Katsuyuki Yamanaka, JP	
PD037	<b>Immunomodulatory hyaluronic acid/peptide-based hydrogel induces bone regeneration in calvarial critical-sized defects</b> <i>Abstract Presenter:</i> Michal Halperin-Sternfeld, IL	16:17 - 16:25
PD038	<b>Alveolar bone defects healing: A new minipig model</b> <i>Abstract Presenter:</i> Lucas T. Duong, FR	16:25 - 16:33
PD039	<b>A new micro-CT model for analyzing the regenerative potential of three different xenografts in Rabbit Calvarias</b> <i>Abstract Presenter:</i> Ilan Beitlitum, IL	16:33 - 16:41
PD040	<b>Effectiveness of various techniques used in the management of vertical alveolar ridge defects: A systematic review and network meta-analysis</b> <i>Abstract Presenter:</i> Faisal Alotaibi, GB	16:41 - 16:49
<i>Poster discussion</i> 15:45 - 16:50		
<b>PD5 - Periodontal research - diagnosis based on images and classification (Poster discussion area 4)</b>		
<i>Chair:</i> Ricardo Faria-Almeida, PT		
PD025	<b>Deep learning for segmenting dental plaques on digital photographs</b> <i>Abstract Presenter:</i> Patricia Ramos Cury, BR	15:45 - 15:53
PD026	<b>Intra-oral Thermographic Imaging: A novel methodology for assessing periodontal wound healing</b> <i>Abstract Presenter:</i> Ahmed Naji, GB	15:53 - 16:01
PD028	<b>Phenotypical characterization and classification of the anterior maxillaries in adults</b> <i>Abstract Presenter:</i> Andrés Felipe Chedraui Romero, MX	16:01 - 16:09
PD029	<b>The effect of bruxism on periodontal tissues and bone changes by cone-beam computed tomography: A retrospective study</b> <i>Abstract Presenter:</i> Damla Erdem, TR	16:09 - 16:17
PD030	<b>How does the periodontitis stage and grade influence extraction decision for dental implant placement?</b> <i>Abstract Presenter:</i> Seray Akinci, TR	16:17 - 16:17
PD031	<b>Calibration of periodontal diagnosis based on the 2017 classification of periodontal diseases among dental interns at a private dental school</b> <i>Abstract Presenter:</i> Mohamed Abdelrasoul, SA	16:17 - 16:25
PD032	<b>Impact of patient's adherence on periodontal stability during ortho-perio treatment in stage IV periodontitis</b> <i>Abstract Presenter:</i> Chiara Galano, IT	16:25 - 16:33

*Scientific program*

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*Poster discussion*  
15:45 - 16:45

**Poster discussions**

*Extraordinary sessions*  
17:00 - 18:30

PH

**W.P.3. - Opening Ceremony & Key-Note lecture**

## Thursday, 16. June 2022

### Specialist

09:00 - 12:00

PH

#### **Th.P.1. - ? Live surgery - Soft tissues around teeth**

Chair: Otto Zuhr, DE

##### **Presentation of the session**

09:00 - 09:20

Speaker: Otto Zuhr, DE

##### **Surgery 1**

09:20 - 10:30

Speaker: Ion Zabalegui, ES

##### **Surgery 2**

10:30 - 11:40

Speaker: Massimo de Sanctis, IT

##### **Debate**

11:40 - 12:00

Speaker: Otto Zuhr, DE

### EFP Village

09:00 - 18:00

#### **EFP Village Programme of the day**

### Clinician

10:30 - 12:00

CHA

#### **Th.1.2. - Treatment decisions in the posterior maxilla: which approach should we use and the factors involved**

Chair: Ricardo Faria-Almeida, PT

##### **Introduction**

10:30 - 10:35

Speaker: Ricardo Faria-Almeida, PT

##### **Minimally-interventional sinus lift therapy**

10:35 - 11:00

Speaker: Patrick Schmidlin, CH

##### **Simplified procedures for bone augmentation in the posterior maxilla**

11:00 - 11:25

Speaker: Roberto Farina, IT

##### **Zero bone loss concept**

11:25 - 11:50

Speaker: Tomas Linkevicius, LT

##### **Discussion**

11:50 - 12:00

Speaker: Ricardo Faria-Almeida, PT

### Hygiene & Prevention

10:30 - 12:00

C4-M1

#### **Th.2.2. - Treatment of Periodontitis Stages I-III with non-surgical therapy: adjunctive therapies**

Chair: Bahar Eren Kuru, TR

##### **Introduction**

10:30 - 10:40

Speaker: Bahar Eren Kuru, TR

##### **Use of Antimicrobials & Probiotics**

10:40 - 11:00

Scientific program

*Speaker:* Wim Teughels, BE

**Use of Adjunctive Host Modulators**

11:00 - 11:20

*Speaker:* George Belibasakis, SE

**Use of Innovative approaches**

11:20 - 11:40

*Speaker:* Alexandra Stähli, CH

**Discussion**

11:40 - 12:00

*Speaker:* Bahar Eren Kuru, TR

*Hygiene & Prevention*

10:30 - 12:00

AD 10-12

**Th.3.2. - Effective prevention of peri-implant diseases**

*Chair:* Stefan Renvert, SE

**Introduction**

10:30 - 10:35

*Speaker:* Stefan Renvert, SE

**Is it possible to prevent peri-implant diseases?**

10:35 - 11:00

*Speaker:* Jan Derks, SE

**Effective treatments for periimplant mucositis**

11:00 - 11:25

*Speaker:* Stefan Renvert, SE

**Critical factors in the maintenance of periimplantitis patients after therapy**

11:25 - 11:50

*Speaker:* Odd Carsten Koldslund, NO

**Summary & Conclusions**

11:50 - 12:00

*Speaker:* Stefan Renvert, SE

*Sponsor Session*

10:30 - 12:00

AD 15

**SP.P3 - E.M.S Electro Medical Systems**

*Chair:* Niklaus Lang, CH

**Integration of GBT in Periodontitis- Maintenance and Initial Therapy**

10:30 - 11:00

*Speaker:* Axel Spahr, AU

**Mechanical biofilm removal in the treatment of peri?implantitis**

11:00 - 11:30

*Speaker:* Tord Berglundh, SE

**GBT ? fancy slogan or clinical hit**

11:30 - 12:00

*Speaker:* Patrick Schmidlin, CH

*Extraordinary sessions*

10:30 - 12:00

BO1

**Jaccard Prize Competition**

**TBA**

10:30 - 10:30

Scientific program

Research session  
10:30 - 12:10

BO2

**OS1 - Insights into the pathogenesis of periodontitis and peri-implantitis**

Chair: Nagihan Bostanci, SE

O001	<b>Role of NLRP3 inflammasome in periodontitis: friend or foe ?</b> <i>Abstract Presenter:</i> Banndith Cheat, FR	10:30 - 10:42
O002	<b>Lipocalin-2 and Semaphorin3A in periodontal health and disease</b> <i>Abstract Presenter:</i> Merve Ceylan, TR	10:42 - 10:54
O003	<b>Activation of STAT3 in gingival tissues during periodontitis</b> <i>Abstract Presenter:</i> Marion Arce, CL	10:54 - 11:06
O004	<b>Do neutrophils interfere with early oral biofilm formation?</b> <i>Abstract Presenter:</i> Josefine Hirschfeld, GB	11:06 - 11:18
O005	<b>Resolvin E1 regulates inflammatory cell infiltration and cytokine production in diabetic periodontitis</b> <i>Abstract Presenter:</i> Fatma Oner, US	11:18 - 11:30
O006	<b>Bone microarchitecture and epigenetic markers in different periodontitis experimental models</b> <i>Abstract Presenter:</i> Daniela Palioto, BR	11:30 - 11:42
O007	<b>GenexGene interaction analysis implies that combined polymorphisms at <i>SIGLEC5</i>, <i>PLG</i> and <i>CTD-2353F22.1</i> increase the risk for periodontitis and affect pathways of wound healing and angiogenesis</b> <i>Abstract Presenter:</i> Arne S Schaefer, DE	11:42 - 11:54
O008	<b>Diagnostic and prognostic metabolic biomarkers in peri-implantitis</b> <i>Abstract Presenter:</i> Massimo Costalonga, US	11:54 - 12:06

Research session  
10:30 - 12:10

BO3

**OS2 - Long-term results in implant dentistry and controversial issues in anterior implants**

Chair: Juan Blanco, ES

O009	<b>6-mm implants for the full-arch rehabilitation of edentulous mandibles: 5-year results from a multicenter randomized controlled trial</b> <i>Abstract Presenter:</i> Marco Annunziata, IT	10:30 - 10:42
O010	<b>Two-piece zirconia implants supporting all-ceramic single crowns in the posterior regions. A 9-year prospective cohort study.</b> <i>Abstract Presenter:</i> Giulia Brunello, DE	10:42 - 10:54
O011	<b>Marginal bone maintenance and different prosthetic emergence angles</b> <i>Abstract Presenter:</i> Antonino Palazzolo, IT	10:54 - 11:06
O012	<b>?Comparative study of transcrestal sinus lift versus lateral</b>	11:06 - 11:18

	<b>approach sinus augmentation and simultaneous insertion of bioactive calcium–phosphate coated dental implants: 12 years of follow-up</b> <i>Abstract Presenter:</i> Victor Palarie, MD	
O013	<b>Tomographic and histological analysis of different socket sealing approaches for alveolar ridge preservation: A randomized controlled clinical study</b> <i>Abstract Presenter:</i> Gabriel Magrin, BR	11:18 - 11:30
O014	<b>Anatomical predictors for successful ridge preservation associated with immediate implant placement on maxillary central incisors</b> <i>Abstract Presenter:</i> Debora Dias, BR	11:30 - 11:42
O015	<b>Vestibular socket therapy a novel protocol for immediate implant placement in compromised fresh extraction sockets: A 3-year follow up case series</b> <i>Abstract Presenter:</i> Noha Ghallab, EG	11:42 - 11:54
O016	<b>Socket shield technique for immediate implant placement - clinical, radiographic, and volumetric data after 10 years</b> <i>Abstract Presenter:</i> Philip Staehler, DE	11:54 - 12:06
<i>Sponsor Session</i> 12:30 - 14:00		
<b>SP.D1 - Straumann</b> <i>Chair:</i> Frank Schwarz, DE		PH
	<b>Are immediate implants „trendy“ again?</b> <i>Speaker:</i> Ronald Jung, CH	12:30 - 12:30
	<b>The patient-centric approach in immediate full arch rehabilitation</b> <i>Speaker:</i> Helena Francisco, PT	12:30 - 12:30
<i>Sponsor Session</i> 12:30 - 14:00		
<b>SP.P1 - Colgate</b> <i>Chair:</i> Maria Ryan, US <i>Chair:</i> Tim Newton, GB		CHA
	<b>Understanding behaviour change in today's prevention landscape</b> <i>Speaker:</i> Tim Newton, GB	12:30 - 12:30
	<b>Behavior change and connected technologies as drivers of improved health outcomes</b> <i>Speaker:</i> George Kitsaras, GB	12:30 - 12:30
	<b>Recent advancements in connected oral health: from research to practice</b> <i>Speaker:</i> Juliana Gomez, GB <i>Speaker:</i> Richard Hogan, GB	12:30 - 12:30

Scientific program

Sponsor Session  
12:30 - 14:00

C4-M1

**SP.P2 - Geistlich Biomaterials**

Chair: Lisa Heitz-Mayfield, AU

**Periodontally compromised patients: Saving teeth or placing implants?** 12:30 - 12:30

Speaker: Lisa Heitz-Mayfield, AU

**Ensuring long-term compliance: All I learned from treating periodontal patients** 12:30 - 12:30

Speaker: Vanessa Ruiz-Magaz, ES

**Recession coverage: A step-by-step protocol for predictability** 12:30 - 12:30

Speaker: Martina Stefanini, IT

Sponsor Session  
12:30 - 13:30

AD 10-12

**SP.G05 - Thommen Medical**

Chair: Otto Zuhr, DE

**Implants in Stage IV periodontitis patients: solution or the genesis of a future problem?** 12:30 - 12:30

Speaker: Mauro Merli, IT

Speaker: Leonardo Trombelli, IT

Speaker: Stefan Renvert, SE

Speaker: Markus Hurzeler, DE

Sponsor Session  
12:30 - 14:00

AD 15

**SP.13 - REGEDENT**

Chair: Anton Sculean, CH

**Preclinical evaluation of the effects of cross-linked hyaluronic acid gel on periodontal wound healing/regeneration in periodontal defects** 12:30 - 12:30

Speaker: Yoshinori Shirakata, JP

**Booster for effective pocket closure in persistently active periodontal pockets: the Clean & Seal concept at subgingival instrumentation** 12:30 - 12:30

Speaker: Anton Friedmann, DE

**Evidence on the different clinical applications – recessions, intrabony defects (HA vs EMD)** 12:30 - 12:30

Speaker: Andrea Pilloni, IT

**Treating severe intrabony defects with a combination approach of HA with a bone graft** 12:30 - 12:30

Speaker: Darko Bozic, HR

**Hyaluronic acid in GBR procedures - effect on quality, quantity and consistency** 12:30 - 12:30

Speaker: Frederic Kauffmann, DE

Scientific program

Sponsor Session  
12:30 - 13:30

BO1

**SP.G14 - GSK**

Chair: Anousheh Alavi, GB

**Why it is time to change the paradigm to managing gingivitis?** 12:30 - 12:30

Speaker: Iain Chapple, GB

**New clinical study and insight into gingivitis and treatment of gingivitis** 12:30 - 12:30

Speaker: Filippo Graziani, IT

**Is it time to take gingivitis seriously?** 12:30 - 12:30

Speaker: Anousheh Alavi, GB

Speaker: Iain Chapple, GB

Speaker: Filippo Graziani, IT

Sponsor Session  
12:30 - 13:30

BO2

**SP.G18 - Johnson & Johnson**

Chair: Nicole Arweiler, DE

**Contemporary Management of oral Microbiome and dental Biofilm** 12:30 - 12:30

Speaker: Nicole Arweiler, DE

**Clinical efficacy of supervised mouth rinsing and flossing on plaque: a 12-week study** 12:30 - 12:30

Speaker: Jeffery Milleman, US

**The Effects of Essential Oil Mouthwash in Oral Hygiene Regimens** 12:30 - 12:30

Speaker: Kimberly Milleman, US

Sponsor Session  
12:30 - 13:30

BO3

**SP.G19 - HuFriedyGroup**

**From flight crews to medical care: How to use checklists to make the dental practice more Safe and Efficient** 12:30 - 12:30

Speaker: Maurizio Tonetti, CN

Poster discussion  
12:30 - 14:00

**PD12 - Research on periodontal surgery: regenerative and mucogingival surgery (Poster discussion area 4)**

Chair: Peter Eickholz, DE

PD079 **Root surface area analysis of periodontal attachment – 3D radiographic assessment of periodontal regenerative surgical treatment outcomes** 12:30 - 12:38

Abstract Presenter: Daniel Palkovics, HU

PD080 **Efficacy of utilizing connective tissue graft in treatment of** 12:38 - 12:46



	<b>intrabony defects to minimize the inter proximal tissue collapse</b> <i>Abstract Presenter:</i> Omid Moghaddas, IR	
PD081	<b>Single flap approach with or without Enamel Matrix Derivative in the treatment of severe supraosseous defects</b> <i>Abstract Presenter:</i> Anna Simonelli, IT	12:46 - 12:54
PD082	<b>Platelet Rich Fibrin (A-PRF+) and Enamel Matrix Derivative (EMD) on 6 months follow-up clinical measurements in regenerative periodontal micro-surgery on furcation sites. A case series.</b> <i>Abstract Presenter:</i> Luciano Pitzurra, NL	12:54 - 13:02
PD083	<b>Pre-hydrated collagenated xenogenic bone mix in combination with papillae tunnelling techniques for treatment of isolated intrabony defects: 12 months results of a randomized controlled clinical trial</b> <i>Abstract Presenter:</i> Tom Kobe, SI	13:02 - 13:10
PD084	<b>Efficacy of an individualized radiographic device for the evaluation of periodontal infrabony defects</b> <i>Abstract Presenter:</i> Tony Rolo, PT	13:10 - 13:18
PD085	<b>Retrospective clinical study of the mucosa repair process after use of a collagen matrix exposed to the oral environment</b> <i>Abstract Presenter:</i> Mario Escobar, BR	13:18 - 13:26
PD086	<b>Healing of recession type-defects using a human recombinant amelogenin</b> <i>Abstract Presenter:</i> Tali Chackartchi, IL	13:26 - 13:34
PD087	<b>Dimensional influence of epithelialized tissue graft harvested from palate on postoperative pain: A systematic review</b> <i>Abstract Presenter:</i> Mario Escobar, BR	13:34 - 13:42
PD088	<b>Stability of biomaterials used in adjunct to coronally advanced flap: A systematic review and network meta-analysis</b> <i>Abstract Presenter:</i> Sourav Panda, IN	13:42 - 13:50
<i>Poster discussion</i> 12:30 - 14:00		
<b>PD11 - Evaluation of strategies to improve the results of step 2 of periodontal therapy (Poster discussion area 3)</b> <i>Chair:</i> Wim Teughels, BE		
PD068	<b>Evaluation of the anti-inflammatory effect of the new nanocarrier dPGS-PCL in oral epithelial cells and tissues</b> <i>Abstract Presenter:</i> Maren Witt, DE	12:30 - 12:38
PD069	<b>Anti-inflammatory effects of a dexamethasone-loaded CMS nanocarrier in oral epithelial cells and tissues</b> <i>Abstract Presenter:</i> Cynthia Yapto, DE	12:38 - 12:46
PD070	<b>Impact of smoking on gingival crevicular fluid and salivary periostin levels in stage II-III periodontitis patients following non-</b>	12:46 - 12:54

	<b>surgical periodontal therapy</b> <i>Abstract Presenter:</i> Enji Ahmed, EG	
PD071	<b>A thermosensitive gel with an active hyaluronic acid ingredient that contains an octenidine preservation system as an adjunct to scaling and root planing. A randomized prospective clinical study.</b> <i>Abstract Presenter:</i> Roni Kolerman??, IL	12:54 - 13:02
PD072	<b>The role of periodontal endoscope in the subgingival instrumentation training. A pilot study on dental hygiene students.</b> <i>Abstract Presenter:</i> Jacopo Bennasciutti, IT	13:02 - 13:10
PD073	<b>The effect of non-surgical periodontal treatment on serum and gingival crevicular fluid periostin levels</b> <i>Abstract Presenter:</i> Aysegul Sari, TR	13:10 - 13:18
PD074	<b>Minimally invasive non-surgical therapy (MINST) in patients with advanced periodontitis: A 6-month results of a split-mouth, randomized controlled clinical trial. Part 2: volumetric tissue changes</b> <i>Abstract Presenter:</i> Marko Kuralt, SI	13:18 - 13:26
PD075	<b>Comparative evaluation of microbial shift in non-surgical periodontal treatment in patients with stage II-IV chronic periodontitis</b> <i>Abstract Presenter:</i> Victoria Atrushkevich, RU	13:26 - 13:34
PD076	<b>Changes in subgingival microbiome after step-2 periodontal therapy with adjunctive systemic use of 3- or 7-day amoxicillin-metronidazole in patients with stage III-IV grade-C periodontitis</b> <i>Abstract Presenter:</i> Søren Jepsen, DE	13:34 - 13:42
PD077	<b>The moment of physical exercise prescription as an adjunct to periodontitis treatment – A randomized clinical trial</b> <i>Abstract Presenter:</i> Joao Paulo Steffens, BR	13:42 - 13:50
PD078	<b>Periodontal instrumentation technique – Clinical outcomes and financial aspects</b> <i>Abstract Presenter:</i> Shauna Culshaw, GB	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**PD15 - Peri-implant diseases, from pathological pathways to treatment (Poster discussion area 7)**

*Chair:* Jan Derks, SE

PD108	<b>Evaluation of total oxidant status and total antioxidant capacity in periodontal/peri-implant diseases and health</b> <i>Abstract Presenter:</i> Hasan Gündo?ar, TR	12:30 - 12:38
PD109	<b>The antimicrobial effect of two different diode laser photo-activated disinfection treatments on a dental implant mixed biofilm: An experimental study</b> <i>Abstract Presenter:</i> Luka Morelato, HR	12:38 - 12:46

Scientific program

PD110	<b>Cleaning potential of three glycine-charged air powder abrasive devices in simulated peri-implantitis therapy</b> <i>Abstract Presenter:</i> Johannes M Herzog, CH	12:46 - 12:54
PD111	<b>An <i>in vitro</i> 3D-model with peri-implantitis defect to assess the efficacy of mechanical debridement</b> <i>Abstract Presenter:</i> Sadia Nazir Khan, NO	12:54 - 13:02
PD112	<b>Palatal soft tissue thickness around dental implants and natural teeth in health and disease: A cross sectional study</b> <i>Abstract Presenter:</i> Hadar Zigdon Giladi, IL	13:02 - 13:10
PD113	<b>A 6-month randomized controlled trial evaluating non-surgical treatment of peri-implantitis with and without erythritol air-polishing. Preliminary results.</b> <i>Abstract Presenter:</i> Armin Selimovi?, NO	13:10 - 13:18
PD114	<b>Peri-implantitis and rheumatoid arthritis share similar pathways and cross-talk genes – Results of a bioinformatics study</b> <i>Abstract Presenter:</i> Gerhard Schmalz, DE	13:18 - 13:26
PD115	<b>Treatment of peri-implantitis, using a submerged surgical strategy – 10 years follow up</b> <i>Abstract Presenter:</i> Ann-Marie Roos Jansåker, SE	13:26 - 13:34
PD116	<b>Volumetric tissue changes following combined surgical therapy of peri-implantitis: A 2 year follow-up study</b> <i>Abstract Presenter:</i> Maria Elisa Galarraga Vinueza, EC	13:34 - 13:42
PD117	<b>Peri-implantitis induced medication-related osteonecrosis of the jaw: Clinical, radiologic, histopathologic and treatment features of 32 cases</b> <i>Abstract Presenter:</i> Marco Nisi, IT	13:42 - 13:50
PD118	<b>Influence of peri-implant soft tissue phenotype on peri-implant health in regular and irregular compliers under maintenance therapy</b> <i>Abstract Presenter:</i> Sila Cagri Isler, CH	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**Poster discussions**

*Poster discussion*  
12:30 - 14:00

**PD10 - Periodontology, COVID and other specialties in dentistry (Poster discussion area 2)**

*Chair:* Monique Danser, NL

PD058	<b>NoPaS - A novel patient shield for protecting health professionals and patients during aerosol-generating procedures</b> <i>Abstract Presenter:</i> Mojtaba Dorri, GB	12:30 - 12:38
PD059	<b>The impact of high and low volume suction devices on aerosol</b>	12:38 - 12:46

	<b>mitigation in a dental setting</b> <i>Abstract Presenter:</i> Krystyna Piela, GB	
PD060	<b>Management of teeth with advanced endo-perio lesions using combined regenerative periodontal and endodontic treatment – A retrospective study</b> <i>Abstract Presenter:</i> Ivet Tezer, DE	12:46 - 12:54
PD061	<b>Hard and soft tissue healing around teeth prepared with the biologically oriented preparation technique: An experimental in vivo preclinical investigation</b> <i>Abstract Presenter:</i> David Palombo, ES	12:54 - 13:02
PD062	<b>Infected Mandibular Fractures – The role of periodontal biofilm as a primary risk factor</b> <i>Abstract Presenter:</i> Kitichai Janaphan, GB	13:02 - 13:10
PD063	<b>Regenerative periodontal surgery and orthodontic tooth movement in stage IV periodontitis: 10-year data of a retrospective clinical cohort study</b> <i>Abstract Presenter:</i> Christina Tietmann, DE	13:10 - 13:18
PD064	<b>The effect of removal of lower incisor to the alveolar bone</b> <i>Abstract Presenter:</i> Laura Lakio, FI	13:18 - 13:26
PD065	<b>Effect of mineral trioxide aggregate on the osteogenic properties of periodontal-ligament derived mesenchymal stem cells under inflammatory conditions</b> <i>Abstract Presenter:</i> Alice Blufstein, AT	13:26 - 13:34
PD066	<b>Tooth autotrasplantation using a 3d-printed replica and digital workflow with CBCT: Case report</b> <i>Abstract Presenter:</i> Juan Ernesto Del Rosal Bethencourt, ES	13:34 - 13:42
PD067	<b>CBCT assessment of combined endodontic and GTR re-treatment after failed apicoectomy - Case series</b> <i>Abstract Presenter:</i> Dogan Kaner, DE	13:42 - 13:50
PD204	<b>Oral manifestations in patients with COVID-19 disease</b> <i>Abstract Presenter:</i> Yulia Chumakova, UA	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**PD14 - Research & Clinical Cases in Implant Dentistry & Peri-implant Diseases (Poster discussion area 6)**

*Chair:* Fabio Vignoletti, ES

PD100	<b>The effect of radiation dose on CBCT measurements of maxillary gingival thickness</b> <i>Abstract Presenter:</i> Jacob Horwitz, IL	12:30 - 12:38
PD101	<b>Dynamic multispecies subgingival <i>in-vitro</i> biofilm formation on dental implants with rough and hybrid surfaces - The artificial mouth model</b> <i>Abstract Presenter:</i> Benjamin Serrano, ES	12:38 - 12:46

Scientific program

PD102	<b>Effectiveness of clindamycin in preventing postoperative infections and oral implant failures. Randomized placebo-controlled clinical trial.</b> <i>Abstract Presenter:</i> Fabio Rodríguez Sánchez, BE	12:46 - 12:54
PD103	<b>Evaluation of soft tissue changes around teeth and implants: A critical review of 3D models superimposition methods</b> <i>Abstract Presenter:</i> Aleš Fidler, SI	12:54 - 13:02
PD104	<b>Fibroblasts growth on titanium surfaces effected by cold atmospheric plasma coating, HYBEN X or air polishing</b> <i>Abstract Presenter:</i> Ivonne Lange, DE	13:02 - 13:10
PD105	<b>Aesthetic influence of implant-supported abutment materials on peri-implant soft tissues: A systematic review and meta-analysis</b> <i>Abstract Presenter:</i> Laure Bessou, FR	13:10 - 13:18
PD106	<b>Soft tissue esthetic score: The pink esthetic score revisited</b> <i>Abstract Presenter:</i> Hani El Nahass, EG	13:18 - 13:26
PD107	<b>The influence of different materials used transmucosally on peri-implant soft tissues: A randomized controlled trial</b> <i>Abstract Presenter:</i> Manon Borie, BE	13:26 - 13:34

*Poster discussion*  
12:30 - 14:00

**PD13 - Periodontitis and systemic diseases - cardiovascular and endocrine diseases (Poster discussion area 5)**

*Chair:* Francesco d'Aiuto, GB

PD089	<b>Effects of peridontal treatment on 18FDG PET/CT scans in patients with peripheral arterial diseases</b> <i>Abstract Presenter:</i> Behrouz Arefnia, AT	12:30 - 12:38
PD090	<b>Acute-phase response following full-mouth <i>versus</i> quadrant non-surgical periodontal treatment in patients affected by type 2 diabetes mellitus. A randomized clinical trial.</b> <i>Abstract Presenter:</i> Crystal Marruganti, IT	12:38 - 12:46
PD091	<b>Association of home oral hygiene habits with blood pressure: An Italian nationwide survey</b> <i>Abstract Presenter:</i> Davide Pietropaoli, IT	12:46 - 12:54
PD092	<b>Transfer of dysbiotic oral microbiota from obese females induces periodontitis associated with adipocyte hypertrophy and macrophagic infiltration in subcutaneous adipose tissue in mice</b> <i>Abstract Presenter:</i> Charlotte Thomas, FR	12:54 - 13:02
PD093	<b>Body silhouette trajectories from childhood to adulthood and oral conditions in adulthood. The Paris Prospective Study III.</b> <i>Abstract Presenter:</i> Omar Deraz, FR	13:02 - 13:10
PD094	<b>Is there an association between oral disease and metabolic</b>	13:10 - 13:18

	<b>syndrome in individuals with resistant arterial hypertension?</b> <i>Abstract Presenter:</i> Fábio Vidal, BR	
PD095	<b>Insulin resistance after systematic local therapy (FMDC) and reinfection prevention (RP) in patients w./wo. diabetes mellitus type 2 (T2DM) and periodontitis</b> <i>Abstract Presenter:</i> Jens M. Herrmann, DE	13:18 - 13:26
PD096	<b>Association of periodontitis and diabetic macular edema in various stages of diabetic retinopathy</b> <i>Abstract Presenter:</i> Marlene Lindner, AT	13:26 - 13:34
PD097	<b>Identification of <u>Diabetes</u> <u>Risks</u> in <u>Periodontitis</u> patients and their compliance to referral for shared care interventions: Preliminary findings from the UKM-DRIP trial</b> <i>Abstract Presenter:</i> Nur Adila Mohd Norwir, MY	13:34 - 13:42
PD098	<b>Effect of non-surgical periodontal treatment on salivary IL-13 levels in periodontitis with and without type 2 diabetes</b> <i>Abstract Presenter:</i> Sezgi ?yigün, TR	13:42 - 13:50
PD099	<b>Evaluation of non-surgical therapy's impact on periodontal parameters and levels of gingival fluid pro-inflammatory mediators in patients with periodontitis and chronic hepatitis C</b> <i>Abstract Presenter:</i> Dorin Nicolae Gheorghe, RO	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**PD9 - Research on step 1 of periodontal therapy: risk factor and supragingival biofilm control (Poster discussion area 1)**

*Chair:* Maria Clotilde Carra, FR

PD048	<b>Evaluation of the GCF periostin, IL-17A and IL-17E levels of smoking and non-smoking periodontitis patients received periodontal treatment: Short-term follow-up study</b> <i>Abstract Presenter:</i> ?ule Özdo?an, TR	12:30 - 12:38
PD049	<b>Comparative effectiveness of <i>Salvadora persica</i> oral hygiene tools with standard toothbrush in plaque and gingivitis control</b> <i>Abstract Presenter:</i> Nurul Fatin Azizan, MY	12:38 - 12:46
PD050	<b>Can necrotrophic growth modulate the oral biofilms ecology? A parabolic effect.</b> <i>Abstract Presenter:</i> Naiera Zayed, BE	12:46 - 12:54
PD051	<b>Dental biofilm removal and bacterial contamination of a new thermoplastic polyurethane-based tooth brush. A crossover study in healthy volunteers.</b> <i>Abstract Presenter:</i> Ignacio Zúñiga, ES	12:54 - 13:02
PD052	<b>Influence of different concentrations of surfactant in toothpastes on noncontact biofilm removal and vitality <i>in vitro</i></b> <i>Abstract Presenter:</i> Jelena Karacic, CH	13:02 - 13:10
PD053	<b>Interdental biofilm composition after manual and powered</b>	13:10 - 13:18

	<b>toothbrushing – A proof-of-principle clinical study</b> <i>Abstract Presenter:</i> Julia Caroline Difloe-Geisert, CH	
PD054	<b>Effect of professional cleaning procedures on tissue loss in dentine and enamel – An ex-vivo study</b> <i>Abstract Presenter:</i> Stephan Fortmeier, DE	13:18 - 13:26
PD055	<b>Effectiveness of health belief model on the compliance of periodontal patients with plaque control: A single-blind randomized control trial</b> <i>Abstract Presenter:</i> Zahra Allawati, OM	13:26 - 13:34
PD056	<b>Evaluation of attitudes and behaviours of dentists in oral hygiene instructions and patient motivation</b> <i>Abstract Presenter:</i> Enes Kayan, TR	13:34 - 13:42
PD057	<b>Research protocol for the ENHANCE-D trial: Enhancing dental health advice</b> <i>Abstract Presenter:</i> Richard Holliday, GB	13:42 - 13:50

*Specialist*

14:30 - 15:55

PH

**Th.P.3. - Nightmare session - dental implants**

*Chair:* Adrián Guerrero, ES

<b>Presentation of the session</b> <i>Speaker:</i> Adrián Guerrero, ES	14:30 - 14:35
<b>Nightmare session expert3</b> <i>Speaker:</i> Øystein Fardal, NO	14:35 - 15:00
<b>Nightmare session expert2</b> <i>Speaker:</i> Tiernan O'Brien, IE	15:00 - 15:25
<b>Nightmare session expert1</b> <i>Speaker:</i> Luca Landi, IT	15:25 - 15:50
<b>Finale Statement</b> <i>Speaker:</i> Adrián Guerrero, ES	15:50 - 15:55

*Clinician*

14:30 - 16:00

CHA

**Th.1.3. - Critical Factors in Surgical Design for the Treatment of Furcation defects**

*Chair:* Søren Jepsen, DE

<b>Introduction</b> <i>Speaker:</i> Søren Jepsen, DE	14:30 - 14:45
<b>When to regenerate</b> <i>Speaker:</i> Maurizio Tonetti, CN	14:45 - 15:10
<b>When to resect</b> <i>Speaker:</i> Peter Eickholz, DE	15:10 - 15:35
<b>Debate</b>	15:35 - 16:00

*Speaker:* Søren Jepsen, DE

*Academic*

14:30 - 16:00

C4-M1

**Th.2.3. - Understanding the Pathogenesis of Periodontitis: current understanding of the oral microbiome**

*Chair:* Egija Zaura, NL

**Presentation of the session** 14:30 - 14:35

*Speaker:* Egija Zaura, NL

**What is the oral microbiome?** 14:35 - 14:55

*Speaker:* Egija Zaura, NL

**Can dysbiotic oral microbiomes be transferred?** 14:55 - 15:15

*Speaker:* Mike Curtis, GB

**The "good guys" in the oral microbiome: are there health-associated species?** 15:15 - 15:35

*Speaker:* Alex Mira, ES

**Dysbiotic oral microbiome and inflammation: a reciprocal love affair** 15:35 - 15:55

*Speaker:* George Hajishengalis, US

**Summary & Conclusions** 15:55 - 16:00

*Speaker:* Egija Zaura, NL

*Academic*

14:30 - 16:00

AD 10-12

**Th.3.3. - Periodontal diseases and association with other systemic disorders**

*Chair:* Palle Holmstrup, DK

**Introduction** 14:30 - 14:45

*Speaker:* Palle Holmstrup, DK

**Alzheimer's disease and Periodontitis** 14:45 - 15:05

*Speaker:* Angela R. Kamer, US

**Rheumatoid Arthritis and Periodontitis** 15:05 - 15:25

*Speaker:* Nagihan Bostanci, SE

**Cancer and Periodontitis** 15:25 - 15:45

*Speaker:* Gerry Linden, GB

**Summary & Conclusions** 15:45 - 16:00

*Speaker:* Palle Holmstrup, DK

*Dedicated sessions*

14:30 - 16:00

AD 15

**Meet the Editor in Chief and the Associate Editors of the Journal of Clinical Periodontology: a session for junior investigators**

**Current state of the Journal and practical advice for a** 14:30 - 16:00



**successful submission to prospective contributors**

*Speaker:* Panos Papapanou, US

*Sponsor Session*

14:30 - 15:30

BO1

**SP.G08 - UNILEVER**

*Chair:* Sinéad Malone, GB

**Modern approaches to primary and secondary prevention of periodontal diseases**

14:30 - 14:30

*Speaker:* Moritz Kebschull, GB

**The effectiveness of dentifrices containing Zinc salts on gingival health**

14:30 - 14:30

*Speaker:* Alison Green, GB

*Research session*

14:30 - 16:10

BO2

**OS3 - Periodontal diagnosis and disease progression**

*Chair:* Francis Hughes, GB

- |      |  |               |
|------|--|---------------|
| O017 | <b>Evaluation of the success of a deep learning approach in determining periodontal bone loss on periapical radiographs</b><br><i>Abstract Presenter:</i> Nichal Sal?, TR  | 14:30 - 14:42 |
| O018 | <b>Detecting periodontal bone loss with an artificial intelligence approach on dental bitewing radiographs</b><br><i>Abstract Presenter:</i> Muhammet Burak Yavuz, TR  | 14:42 - 14:54 |
| O019 | <b>Radiographical and clinical signs of periodontitis and associated bacterial species in a Swedish adolescent population</b><br><i>Abstract Presenter:</i> Mark Lindholm, SE  | 14:54 - 15:06 |
| O020 | <b>Dietary patterns association with periodontitis and number of teeth. Data from the Tromsø study: Tromsø7</b><br><i>Abstract Presenter:</i> Birgitta Jönsson, SE   | 15:06 - 15:18 |
| O021 | <b>The relation of External Locus of control with depression, education level and periodontitis severity</b><br><i>Abstract Presenter:</i> Sebastien Joel Nicolas Jungo, FR  | 15:18 - 15:30 |
| O022 | <b>Changes in food intake, masticatory function, tooth mobility, loss of posterior support and diminished quality of life are associated with more advanced periodontitis stage diagnosis</b><br><i>Abstract Presenter:</i> Samantha Niña Marie Uy, HK | 15:30 - 15:42 |
| O023 | <b>Are periodontal disease levels correlated to tooth-specific extraction patterns in the general population?</b><br><i>Abstract Presenter:</i> Birte Holtfreter, DE   | 15:42 - 15:54 |
| O024 | <b>Periodontitis in young individuals - important factors for disease progression</b><br><i>Abstract Presenter:</i> Carolina Modin, SE   | 15:54 - 16:06 |

Scientific program

Research session

14:30 - 16:10

BO3

**OS4 - Research in the management of peri-implant diseases**

Chair: Tord Berglundh, SE

- |      |  |               |
|------|--|---------------|
| O025 | <b>Case-control study on the correlation of TiO<sub>2</sub> sensibility-related parameters and peri-implantitis</b><br><i>Abstract Presenter:</i> Philipp Sahrman, CH  | 14:30 - 14:42 |
| O026 | <b>Long-term clinical outcomes of short implants (6mm) in relation to Implant Disease Risk Assessment (IDRA)????</b><br><i>Abstract Presenter:</i> Yi-rao Lai, CN  | 14:42 - 14:54 |
| O027 | <b>Evaluation of the outcomes of mechanical non-surgical treatment of peri-implant mucositis in combination with modification of the implant-supported prosthesis 30 months after treatment</b><br><i>Abstract Presenter:</i> Francesco Di Leone, ES | 14:54 - 15:06 |
| O028 | <b>Autogenous strip graft in combination with acellular dermal matrix versus free gingival graft alone to treat insufficient keratinised mucosa width. A randomised controlled trial.</b><br><i>Abstract Presenter:</i> Xinda Li, HU                 | 15:06 - 15:18 |
| O029 | <b>Epigenetic regulation of gene expression through DNA methylation in peri-implantitis</b><br><i>Abstract Presenter:</i> Annika Therese Kroeger, GB   | 15:18 - 15:30 |
| O030 | <b>Treatment of peri-implant mucositis: Combination of ultrasonic debridement and air abrasive device vs. ultrasonic debridement alone. A randomized clinical trial.</b><br><i>Abstract Presenter:</i> Nicola Discepoli, IT                          | 15:30 - 15:42 |
| O031 | <b>Systemic antibiotics in the surgical treatment of peri-implantitis - A randomized controlled trial</b><br><i>Abstract Presenter:</i> Caroline Riben Grundström, SE  | 15:42 - 15:54 |
| O032 | <b>Surgical treatment of peri-implantitis using a bone substitute with or without a resorbable membrane: A 10-year follow up</b><br><i>Abstract Presenter:</i> Ann-Marie Roos Jansåker, SE   | 15:54 - 16:06 |

Specialist

16:30 - 18:00

PH

**Th.P.4. - Surgical therapy of peri-implantitis: influence of different approaches in the treatment outcome**

Chair: Nikos Donos, GB

- |                                     |               |
|-------------------------------------|---------------|
| <b>Introduction</b>                 | 16:30 - 16:35 |
| <i>Speaker:</i> Nikos Donos, GB     |               |
| <b>Non-reconstructive approach</b>  | 16:35 - 17:00 |
| <i>Speaker:</i> Olivier Carcuac, SE |               |
| <b>Reconstructive approaches</b>    | 17:00 - 17:25 |
| <i>Speaker:</i> Frank Schwarz, DE   |               |

	<b>The combined approach to treat complex defects</b>	17:25 - 17:50
	<i>Speaker:</i> Ignacio Sanz-Sánchez, ES	
	<b>Summary &amp; Conclusions</b>	17:50 - 18:00
	<i>Speaker:</i> Nikos Donos, GB	
<i>Specialist</i> 16:30 - 18:00		CHA
	<b>Th.1.4. - The multidisciplinary treatment of Stage IV periodontitis</b>	
	<i>Chair:</i> Mario Aimetti, IT	
	<b>Introduction</b>	16:30 - 16:40
	<i>Speaker:</i> Mario Aimetti, IT	
	<b>Orthodontics in patients with periodontitis</b>	16:40 - 17:00
	<i>Speaker:</i> Spyridon Papageorgiou, CH	
	<b>Masticatory dysfunction in patients with periodontitis</b>	17:00 - 17:20
	<i>Speaker:</i> Nicola Zitzmann, CH	
	<b>Prosthesis in patients with periodontitis</b>	17:20 - 17:40
	<i>Speaker:</i> Klaus Gottfredsen, DK	
	<b>Discussion</b>	17:40 - 18:00
	<i>Speaker:</i> Mario Aimetti, IT	
<i>Academic</i> 16:30 - 18:00		C4-M1
	<b>Th.2.4. - Personalised medicine (PM) in the dental and periodontal office</b>	
	<i>Chair:</i> Bruno Loos, NL	
	<b>The current understanding of susceptibility to periodontitis and pleiotropy with other chronic diseases</b>	16:30 - 16:50
	<i>Speaker:</i> Bruno Loos, NL	
	<b>Current approaches to PM in periodontology and inspiring examples in the medical field</b>	16:50 - 17:10
	<i>Speaker:</i> Kenneth Kornman, US	
	<b>The role of digital risk assessment tools in personalised medicine in a post-pandemic era</b>	17:10 - 17:30
	<i>Speaker:</i> Iain Chapple, GB	
	<b>Saliva diagnostics for PM in screening of periodontitis and other conditions in the dental office</b>	17:30 - 17:50
	<i>Speaker:</i> Marja Laine, NL	
	<b>Discussion</b>	17:50 - 18:00
	<i>Speaker:</i> Bruno Loos, NL	

Scientific program

Clinician

16:30 - 18:00

AD 10-12

**Th.3.4. - Science and knowledge of marketing**

Chair: Filippo Graziani, IT

<b>Presentation of the session</b>	16:30 - 16:40
<i>Speaker:</i> Filippo Graziani, IT	
<b>Marketing strategy for a successful periodontal practice</b>	16:40 - 17:15
<i>Speaker:</i> Carlo Gallucci, ES	
<b>Social science, market and dentistry</b>	17:15 - 17:50
<i>Speaker:</i> Marco Pacini, IT	
<b>Discussion</b>	17:50 - 18:00

Sponsor Session

16:30 - 17:40

AD 15

**SP.G12 - botiss biomaterials**

<b>Key for success in regeneration: choosing and combining biomaterials and hyaluronic acid</b>	16:30 - 16:30
<i>Speaker:</i> Serhat Aslan, TR	
<i>Speaker:</i> Sofia Aroca, FR	

Research session

16:30 - 18:10

BO2

**OS5 - Research in prevention and supportive periodontal care**

Chair: Moritz Kebschull, GB

O033	<b>The interest and the development of a digital tool for prevention and supportive periodontal care. Example of diabetic patients.</b> <i>Abstract Presenter:</i> Claire Bigot, FR	16:30 - 16:42
O034	<b>The impact of a “successfully treated stable periodontitis patient status” on patient-related outcome parameters during long-term supportive periodontal care</b> <i>Abstract Presenter:</i> Andreas Stavropoulos, SE	16:42 - 16:54
O035	<b>Stability of periodontal parameters during 10 years of supportive periodontal therapy in patients with and without previous orthodontic treatment – A cross-sectional evaluation and long-term comparison</b> <i>Abstract Presenter:</i> Alexander-Nicolaus Spies, DE	16:54 - 17:06
O036	<b>Change in periodontal parameters of splinted posterior teeth during 10 years of supportive periodontal therapy – A retrospective evaluation</b> <i>Abstract Presenter:</i> Ti-Sun Kim, DE	17:06 - 17:18
O037	<b>Skill begins with knowledge and understanding - Why daily tooth brushing fails to keep gums healthy</b> <i>Abstract Presenter:</i> Renate Deinzer, DE	17:18 - 17:30
O038	<b>Sugar, oral/general health, obesity associations awareness and</b>	17:30 - 17:42

	<b>weight stigma</b> <i>Abstract Presenter:</i> Jean Suvan, GB	
O039	<b>One-year clinical, microbiological and immunological results of local doxycycline or antimicrobial photodynamic therapy for recurrent/persisting periodontal pockets: A randomized clinical trial</b> <i>Abstract Presenter:</i> Raluca Cosgarea, DE	17:42 - 17:54
O040	<b>Third-party toothbrushing among patients with periodontitis is associated with a positive patient experience: Randomized, single-blind, patient-centered analysis</b> <i>Abstract Presenter:</i> Greta Barbe, DE	17:54 - 18:06
<i>Research session</i> 16:30 - 18:00		
	<b>OS6 - Video session - clinical challenges in implant therapy</b> <i>Chair:</i> France Lambert, BE	BO3
O041	<b>Peri-implant bone augmentation by the sub-periosteal peri-implant augmented layer technique and a bovine-derived bone block: A case report</b> <i>Abstract Presenter:</i> Mattia Severi, IT	16:30 - 16:45
O042	<b>The tunneled sandwich technique for preserving the buccal tissue volume after immediate implantation: A retrospective report of eleven cases</b> <i>Abstract Presenter:</i> Hakan Bilhan, DE	16:45 - 17:00
O043	<b>3D driven hard tissue augmentation based on reverse planning: Reconstruction of advanced, horizontoververtical alveolar ridge defects. Case series.</b> <i>Abstract Presenter:</i> Fanni Bolya-Orosz, HU	17:00 - 17:15
O044	<b>Preserving the emergence profile - A digital copy abutment technique</b> <i>Abstract Presenter:</i> Nikolaus Fürhauser, AT	17:15 - 17:30
O045	<b>Simplified transcrestal sinus floor elevation procedure: 2 year results, intra-oral and endonasal recordings</b> <i>Abstract Presenter:</i> Didier Victor Blase, BE	17:30 - 17:45
O046	<b>A Novel Application of Dynamic Navigation in Lateral Window Sinus Elevation and Implant Placement</b> <i>Abstract Presenter:</i> Tai-Yang Lin, TW	17:45 - 18:00

## Friday, 17. June 2022

### Specialist

08:30 - 10:00

PH

#### **Fr.P.1. - ? Live surgery - Hard tissues around implants**

Chair: Andreas Stavropoulos, DK

##### **Presentation of the session**

08:30 - 08:40

Speaker: Andreas Stavropoulos, DK

##### **Vertical Bone Regeneration in the posterior mandible**

08:40 - 09:45

Speaker: Istvan Urban, HU

##### **Discussion**

09:45 - 10:00

Speaker: Andreas Stavropoulos, DK

Speaker: Istvan Urban, HU

### Hygiene & Prevention

08:30 - 10:00

CHA

#### **Fr.1.1. - How to improve supragingival biofilm control**

Chair: Dagmar Slot, NL

##### **Introduction**

08:30 - 08:40

Speaker: Dagmar Slot, NL

##### **Modern approaches to mechanical plaque control**

08:40 - 09:00

Speaker: Fridus van der Weijden, NL

##### **How to modify the behaviour in oral hygiene practices**

09:00 - 09:20

Speaker: Maria Clotilde Carra, FR

##### **Chemical biofilm control**

09:20 - 09:40

Speaker: Elena Figuero, ES

##### **Discussion**

09:40 - 10:00

Speaker: Dagmar Slot, NL

### Specialist

08:30 - 10:00

C4-M1

#### **Fr.2.1. - The digital workflow in modern implant dentistry**

Chair: Hady Haririan, AT

##### **Presentation of the session**

08:30 - 08:35

Speaker: Hady Haririan, AT

##### **Current radiographic approaches to implant dentistry**

08:35 - 09:00

Speaker: Michael Bornstein, CH

##### **Practical application of the digital workflow to implant dentistry**

09:00 - 09:25

Speaker: Florian Beuer, DE

##### **Optimized aesthetic outcomes in implant dentistry with full digital workflow**

09:25 - 09:50

Speaker: Irena Sailer, CH

<b>Debate</b>		09:50 - 10:00
<i>Speaker:</i> Hady Haririan, AT		
<i>Clinician</i>		
08:30 - 10:00		AD 10-12
<b>Fr.3.1. - Advanced surgical approaches to soft tissue reconstruction in Peri-implant dehiscence defects</b>		
<i>Chair:</i> Aslan Mammadov, AZ		
	<b>Introduction</b>	08:30 - 08:35
	<i>Speaker:</i> Aslan Mammadov, AZ	
	<b>Importance of keratinised periimplant mucosa and soft tissue augmentation approaches</b>	08:35 - 09:00
	<i>Speaker:</i> Daniel Thoma, CH	
	<b>Soft tissue periimplant reconstruction in the posterior mandible</b>	09:00 - 09:25
	<i>Speaker:</i> Mario Rocuzzo, IT	
	<b>Treatment of periimplant soft tissue dehiscence in the anterior maxilla</b>	09:25 - 09:50
	<i>Speaker:</i> José Nart, ES	
	<b>Summary &amp; Conclusions</b>	09:50 - 10:00
	<i>Speaker:</i> Aslan Mammadov, AZ	
<i>Research session</i>		
08:30 - 10:10		BO2
<b>OS7 - New insights in periodontal step 2 non-surgical treatment</b>		
<i>Chair:</i> Filippo Graziani, IT		
O047	<b>Acute systemic inflammation in obese patients following full-mouth versus quadrant non-surgical treatment of periodontitis</b>	08:30 - 08:42
	<i>Abstract Presenter:</i> Urska Marhl, IT	
O048	<b>Impact of periodontal treatment on GCF miRNAs expression changes associated with cardiovascular risk in patients with periodontitis</b>	08:42 - 08:54
	<i>Abstract Presenter:</i> Gaetano Isola, IT	
O049	<b>Factors affecting patients' choice of pain control during subgingival instrumentation</b>	08:54 - 09:06
	<i>Abstract Presenter:</i> Sonja H. M. Derman, DE	
O050	<b>Effect of probiotic <i>Lactobacillus reuteri</i> as an adjunct to nonsurgical treatment on halitosis of patients with periodontitis - a preliminary randomised controlled trial</b>	09:06 - 09:18
	<i>Abstract Presenter:</i> Larisa Musi?, HR	
O051	<b>Effectiveness of adjunctive use of proanthocyanidins in non-surgical periodontal treatment</b>	09:18 - 09:30
	<i>Abstract Presenter:</i> Evelina Alkimavi?ien?, LT	
O052	<b>Minimally invasive non-surgical therapy (MINST) in patients with advanced periodontitis: A 6-month results of a split-mouth,</b>	09:30 - 09:42

	<b>randomized controlled clinical trial. Part 1: clinical outcomes</b> <i>Abstract Presenter:</i> Alja Cmok Ku?i?, SI	
O053	<b>Resolvin D1n-3 DPA induces host protective effects in oral epithelial cell????????s????</b> <i>Abstract Presenter:</i> Maria Balta, NO	09:42 - 09:54
O054	<b>Full-mouth ultrasonic debridement: Impact of type of device and operator's experience. A factorial randomized clinical trial.</b> <i>Abstract Presenter:</i> Benedetta Romiti, IT	09:54 - 10:06

*Research session*

08:30 - 10:10

BO3

**OS8 - Research in Implant Dentistry - basic concepts, diagnosis and risk factors**

*Chair:* Moshe Goldstein, IL

O055	<b>Evaluation of diagnostic accuracy of cone?beam computed tomography and intraoral radiography in peri?implant bone defects</b> <i>Abstract Presenter:</i> Ilknur Ozenci, TR	08:30 - 08:42
O056	<b>The mental foramen segmentation and location detection on digital orthopantomogram radiographs by using deep learning</b> <i>Abstract Presenter:</i> Turan Emre Kuzu, TR	08:42 - 08:54
O057	<b>Evaluation of buccal bone thickness accuracy with different cone-beam computed tomography settings</b> <i>Abstract Presenter:</i> Yusuke Hamada, US	08:54 - 09:06
O058	<b>Reliability of probing depth assessments at dental implants and natural teeth</b> <i>Abstract Presenter:</i> Ausra Ramanauskaite, DE	09:06 - 09:18
O059	<b>A new murine model of dental implant integrating clinical issues</b> <i>Abstract Presenter:</i> Nicolas Blanc-Sylvestre, FR	09:18 - 09:30
O060	<b>Growth of oral epithelial cells on zirconia and titanium implant surfaces of different roughness</b> <i>Abstract Presenter:</i> Marco Aogi Rausch, AT	09:30 - 09:42
O061	<b>Reduced bone dimensions in oligodontia: A case-control study</b> <i>Abstract Presenter:</i> Nicolas Dupré, FR	09:42 - 09:54
O062	<b>Effect of titanium and zirconia nanoparticles on human gingival mesenchymal stromal cells in the presence and absence of lipopolysaccharide</b> <i>Abstract Presenter:</i> Oleh Andrukhov, AT	09:54 - 10:06

*Specialist*

10:30 - 12:00

PH

**Fr.P.2. - Live surgery, Debate - Hard tissues around implants**

**Presentation of the session**

*Speaker:* Andreas Stavropoulos, DK

10:30 - 10:40



<b>Vertical Bone Regeneration in the posterior mandible</b> <i>Speaker:</i> Istvan Urban, HU	10:40 - 11:00
<b>Use of customised titanium grids</b> <i>Speaker:</i> Mauro Merli, IT	11:00 - 11:25
<b>The use of Mesenchymal Stem Cells and synthetic biomaterials in oral bone regeneration</b> <i>Speaker:</i> Cecilie Gjerde, NO	11:25 - 11:50
<b>Summary &amp; Conclusions</b>	11:50 - 12:00

*Academic*

10:30 - 12:00

CHA

**Fr.1.2. - New insights in the etiology of peri-implantitis**

*Chair:* Eli Machtei, IL

<b>Introduction</b> <i>Speaker:</i> Eli Machtei, IL	10:30 - 10:35
<b>From periodontitis to periimplantitis – the quest for the missing link</b> <i>Speaker:</i> Eli Machtei, IL	10:35 - 10:55
<b>Peri-implantitis: A host-bacterial cross-talk gone wrong</b> <i>Speaker:</i> Purnima Kumar, US	10:55 - 11:15
<b>Is the inflammatory response similar to periodontitis</b> <i>Speaker:</i> Marjolaine Gosset, FR	11:15 - 11:35
<b>Periimplantitis: more than a bacterial infection. Lessons from the mouse model</b> <i>Speaker:</i> Asaf Wilensky, IL	11:35 - 11:55
<b>Summary &amp; Conclusions</b> <i>Speaker:</i> Eli Machtei, IL	11:55 - 12:00

*Specialist*

10:30 - 12:00

C4-M1

**Fr.2.2. - Endodontics & alternative to dental implants**

*Chair:* Bettina Dannewitz, DE

<b>Introduction</b> <i>Speaker:</i> Bettina Dannewitz, DE	10:30 - 10:40
<b>Regeneration of alveolar bone following autotransplantation of teeth</b> <i>Speaker:</i> Pawel Plakwicz, PL	10:40 - 11:00
<b>The dental pulp new properties are changing vital pulp therapy</b> <i>Speaker:</i> Imad About, FR	11:00 - 11:20
<b>No implants in the esthetic zone</b> <i>Speaker:</i> Markus Hurzeler, DE	11:20 - 11:40

	<b>Debate: how to avoid dental implants</b> <i>Speaker:</i> Bettina Dannewitz, DE	11:40 - 12:00
<i>Hygiene &amp; Prevention</i> 10:30 - 12:00		
		AD 10-12
	<b>Fr.3.2. - What do we know about halitosis in 2022?</b> <i>Chair:</i> Silvia Roldán, ES	
	<b>Introduction</b> <i>Speaker:</i> Silvia Roldán, ES	10:30 - 10:35
	<b>What is halitosis? Etiological factors.</b> <i>Speaker:</i> Silvia Roldán, ES	10:35 - 10:50
	<b>Epidemiology and impact on quality of life</b> <i>Speaker:</i> Gustavo Giacomelli Nascimento, DK	10:50 - 11:05
	<b>The diagnosis of halitosis</b> <i>Speaker:</i> Isabelle Laleman, BE	11:05 - 11:20
	<b>Halitosis and periodontitis</b> <i>Speaker:</i> William Papaioannou, GR	11:20 - 11:35
	<b>Debate: treatment approaches</b> <i>Speaker:</i> Silvia Roldán, ES <i>Speaker:</i> Isabelle Laleman, BE <i>Speaker:</i> William Papaioannou, GR <i>Speaker:</i> Gustavo Giacomelli Nascimento, DK	11:35 - 12:00
<i>Sponsor Session</i> 10:30 - 12:00		
	<b>SP.P4 - MIS Implants Technologies Ltd.</b>	AD 15
	<b>Clinical advances for the long-term implant transmucosal contour stability</b> <i>Speaker:</i> Stavros Pelekanos, GR	10:30 - 11:30
	<b>Predictable strategies in Guided bone regeneration and Implant placement</b> <i>Speaker:</i> Tali Chackartchi, IL	11:30 - 12:00
<i>Research session</i> 10:30 - 12:10		
		BO2
	<b>OS9 - Periodontitis and systemic diseases - lungs, dementia, rheumatoid arthritis and fitness</b> <i>Chair:</i> Elena Figuero, ES	
O063	<b>The association between periodontitis and pulmonary function based on The Malmö Offspring Dental Study (MODS)</b> <i>Abstract Presenter:</i> Anders Røslund, NO	10:30 - 10:42
O064	<b>Bacterial communities of gingival samples – Is there an association with lung health?</b> <i>Abstract Presenter:</i> Christine Drengenes, NO	10:42 - 10:54

Scientific program

O065	<b>Association between periodontitis and chronic obstructive pulmonary disease</b> <i>Abstract Presenter:</i> Hela Jegham, TN	10:54 - 11:06
O066	<b>Molecular pathways in a combined model of experimental periodontitis and depression in rats</b> <i>Abstract Presenter:</i> Nagore Ambrosio, ES	11:06 - 11:18
O067	<b>Analyzing the relationship between periodontal health status and Alzheimer's disease (a preliminary study)</b> <i>Abstract Presenter:</i> Kübra Karaduran, TR	11:18 - 11:30
O068	<b>Periodontitis contributes to cognitive decline and its progression in elderly patients with hypertension</b> <i>Abstract Presenter:</i> Álvaro Carballo-Viñas, ES	11:30 - 11:42
O069	<b>Treatment of periodontitis enhances the treatment of rheumatoid arthritis: A randomized clinical trial</b> <i>Abstract Presenter:</i> Dimitra Karapetsa, IT	11:42 - 11:54
O070	<b>Association between periodontitis and physical fitness in law enforcement workers: The Op-Chiron study</b> <i>Abstract Presenter:</i> Jacopo Buti, GB	11:54 - 12:06

Research session  
10:30 - 12:10

BO3

**OS10 - Research in bone regeneration - preclinical & clinical studies**

*Chair:* Mariano Sanz, ES

O071	<b>L-PRF plus DBBM enhance bone regeneration and accelerate bone healing in maxillary sinus. A randomized clinical trial.</b> <i>Abstract Presenter:</i> Carolina Mendonça de Almeida Malzoni, BR	10:30 - 10:42
O072	<b>Leukocyte and platelet-rich fibrin (L-PRF) effects on alveolar ridge preservation at 4 months. A randomized controlled clinical trial.</b> <i>Abstract Presenter:</i> Carolina Encalada Abad, ES	10:42 - 10:54
O073	<b>Cell conditioned media-functionalized collagen membranes promote in vivo guided bone regeneration</b> <i>Abstract Presenter:</i> Siddharth Shanbhag, NO	10:54 - 11:06
O074	<b>The effect of autogenous dentin block for horizontal alveolar ridge augmentation and staged implant placement: A randomized controlled clinical trial with histological assessment</b> <i>Abstract Presenter:</i> Doaa Adel-Khattab, EG	11:06 - 11:18
O075	<b>4-mm-supershort compared to longer implants placed in augmented bone in the posterior atrophic jaw: 5-year RCT results</b> <i>Abstract Presenter:</i> Pietro Felice, IT	11:18 - 11:30
O076	<b>Surgical and healing complications in vertical ridge augmentation using titanium-reinforced PTFE meshes versus</b>	11:30 - 11:42

	<b>custom-made titanium meshes: Preliminary results of RCT</b> <i>Abstract Presenter:</i> Beatrice Longhi, IT	
O077	<b>Immunohistochemical analysis following bone regeneration with a TiO<sub>2</sub> scaffold</b> <i>Abstract Presenter:</i> Minh Khai Le Thieu, NO	11:42 - 11:54
O078	<b>Osteoconductivity of a bone graft substitute is enhanced by a WNT protein therapeutic: Preclinical data from a sinus augmentation model</b> <i>Abstract Presenter:</i> Benjamin R. Coyac, IL	11:54 - 12:06
<i>Sponsor Session</i> 12:30 - 14:00		
PH		
<b>SP.D5 - Nobel Biocare</b> <i>Chair:</i> France Lambert, BE		
	<b>Idealize bone and soft tissue integration planning the emergence profile with a biologically driven concept.</b> <i>Speaker:</i> Giacomo Fabbri, IT	12:30 - 12:30
	<b>Can we cure peri-implantitis? An electrolytic approach to clean infected implant surfaces</b> <i>Speaker:</i> Markus Schlee, DE	12:30 - 12:30
	<b>Key aspects in the Surgical therapy of peri-implantitis</b> <i>Speaker:</i> Alberto Monje, ES	12:30 - 12:30
<i>Sponsor Session</i> 12:30 - 14:00		
CHA		
<b>SP.D3 - Dentsply Sirona</b> <i>Chair:</i> Martin Wanendeya, GB		
	<b>Form with function – Current standards in tissue development and tooth replacement</b> <i>Speaker:</i> Rodrigo Neiva, US	12:30 - 12:30
	<b>Peri-implantitis – What's new</b> <i>Speaker:</i> Jan Derks, SE	12:30 - 12:30
	<b>Enhanced implant design for integrated workflows</b> <i>Speaker:</i> Andy Temmerman, BE	12:30 - 12:30
	<b>Digital workflows – Present and future</b> <i>Speaker:</i> Martin Wanendeya, GB	12:30 - 12:30
<i>Sponsor Session</i> 12:30 - 14:00		
C4-M1		
<b>SP.D4 - ZimVie</b>		
	<b>Embrancing the Digital Mindset – Part 1 &amp; Part 2</b> <i>Speaker:</i> Christian Coachman, BR	12:30 - 12:30
	<b>Can Premature Exposure of a Membrane Be Considered as a</b>	12:30 - 12:30

## Complication of the Past?

*Speaker:* Marco Ronda, IT

*Sponsor Session*

12:30 - 13:30

AD 10-12

### SP.G17 - NSK

#### State-of-the-art Periodontal Therapy for Every Patient – The EFP Clinical Practice Guidelines

12:30 - 12:30

*Speaker:* Moritz Kebschull, GB

*Sponsor Session*

12:30 - 14:00

AD 15

### SP.D2 - Curasept

*Chair:* Filippo Graziani, IT

#### Periodontal Regeneration: practical tips to enhance clinical success

12:30 - 12:30

*Speaker:* Filippo Graziani, IT

*Sponsor Session*

12:30 - 13:30

BO1

### SP.G02 - SUNSTAR

#### The economics of saving teeth

12:30 - 12:30

*Speaker:* Maurizio Tonetti, CN

*Speaker:* Sandro Cortellini, IT

*Sponsor Session*

12:30 - 13:30

BO2

### SP.G15 - PHILIPS

*Chair:* Dagmar Slot, NL

#### Inflammation-driven periodontal therapy - a collaboration between the dentist, the hygienist and the patient

12:30 - 12:30

*Speaker:* Christian Damgaard, DK

*Sponsor Session*

12:30 - 13:30

BO3

### SP.G20 - MedPark

#### S1 : a new sticky bone substitute

12:30 - 12:30

*Speaker:* Marco Esposito, IT

*Poster discussion*

12:30 - 14:00

#### PD17 - Periodontitis and systemic diseases - from pregnancy complication to systemic inflammation (Poster discussion area 1)

*Chair:* Eduardo Montero, ES

PD119

#### Extracellular vesicles in the gingival crevicular fluid are involved in the severity of periodontitis during pregnancy

12:30 - 12:38

	<i>Abstract Presenter:</i> Alejandra Chaparro, CL	
PD120	<b>Periodontal status and microbiome composition in women with preterm birth – A case control study</b> <i>Abstract Presenter:</i> Valentin Bartha, DE	12:38 - 12:46
PD121	<b>Obesity as a related factor of periodontitis during pregnancy: A cross-sectional study</b> <i>Abstract Presenter:</i> Valeria Ramírez, CL	12:46 - 12:54
PD122	<b>The proinflammatory association between periodontitis and gestational diabetes mellitus: Communication through <i>Porphyromonas gingivalis</i> lipopolysaccharide and small extracellular vesicles</b> <i>Abstract Presenter:</i> María José Bendek, CL	12:54 - 13:02
PD123	<b>Oral health in patients with severe chronic obstructive pulmonary disease (COPD) – A case-control study</b> <i>Abstract Presenter:</i> Marlinde M Simon, DE	13:02 - 13:10
PD124	<b>Porphyromonas gingivalis administration induces obesity, modifies gene expression in the liver and brown adipose tissue in pregnant mice, and causes underweight in fetuses</b> <i>Abstract Presenter:</i> Sumiko Yoshida, JP	13:10 - 13:18
PD125	<b>Correlation between bone mineral density and periodontal conditions in a cohort of post-menopausal women</b> <i>Abstract Presenter:</i> Elena Calciolari, IT	13:18 - 13:26
PD126	<b>Oral health in patients on antiresorptive medication during supportive periodontal therapy – A case-control study</b> <i>Abstract Presenter:</i> Antonio Ciardo, DE	13:26 - 13:34
PD127	<b>Periodontal diseases and dose–response association between periodontal inflamed surface area and C-reactive protein, ferritin levels, and crisis episodes in patients with sickle cell anemia</b> <i>Abstract Presenter:</i> Aysegul Sari, TR	13:34 - 13:42
PD128	<b>Periodontitis prevalence in Colitis &amp; Crohn's disease (PPCC) patients</b> <i>Abstract Presenter:</i> Kristina Bertl, SE	13:42 - 13:50
PD129	<b>Periodontal disease, caries and tooth loss after haematopoietic stem cell transplantation: A systematic review</b> <i>Abstract Presenter:</i> Lucky van Gennip, NL	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**PD19 - Prevention and supportive periodontal care (Poster discussion area 3)**

*Chair:* Rodrigo López, DK

PD140	<b>Continuous vs. intermittent maintenance: A 10-year clinical review</b> <i>Abstract Presenter:</i> Tina Lipovec, SI	12:30 - 12:38
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Scientific program

PD141	<b>Does the grade of periodontitis in patients change between the beginning of therapy and after 10 years of supportive periodontal therapy?</b> <i>Abstract Presenter:</i> Ingvi Lisann Charlotte Reccius, DE	12:38 - 12:46
PD142	<b>Oral hygiene-related self-efficacy in periodontal therapy: A 4-year prospective cohort study</b> <i>Abstract Presenter:</i> Luisa Thiemann, DE	12:46 - 12:54
PD143	<b>Periodontal disease progression and gene polymorphisms: Results after 3 years of active periodontal treatment</b> <i>Abstract Presenter:</i> Georgios Chatzopoulos, US	12:54 - 13:02
PD144	<b>Recall intervals for periodontal health in primary care patients</b> <i>Abstract Presenter:</i> Patrick Fee, GB	13:02 - 13:10
PD145	<b>Smartphone photo documentation regarding oral hygiene status of patients with care need - A prospective pilot study</b> <i>Abstract Presenter:</i> Thea Rott, DE	13:10 - 13:18
PD146	<b>Advice and Information about toothbrushing available at websites of Professional Dental Care Associations</b> <i>Abstract Presenter:</i> Therese A. Elkerbout, NL	13:18 - 13:26
PD147	<b>Is alcohol essential in a mouthwash?</b> <i>Abstract Presenter:</i> Bregje W M Van Swaaij, NL	13:26 - 13:34
PD148	<b>In vitro evaluation of the effects of different periodontal tools and mechanical instrumentation on tooth restoration interface</b> <i>Abstract Presenter:</i> Deniz Findik Balci, TR	13:34 - 13:42
PD149	<b>Erythritol powder based professional cleaning in conservative periodontal therapy with EMS AIRFLOW® Prophylaxis Master device</b> <i>Abstract Presenter:</i> Edit Komarek, HU	13:42 - 13:50

*Poster discussion*  
12:30 - 14:00

**PD18 - Research in regenerative surgery: from in vitro studies to systematic reviews (Poster discussion area 2)**

PD130	<b>Periodontal wound healing and regeneration with a novel hydrogel containing adipose-derived mesenchymal stromal cells (ASCs) in spontaneous periodontal lesions in beagle dogs</b> <i>Abstract Presenter:</i> Sara Laurencin, FR	12:30 - 12:38
PD131	<b>Human supracrestal gingival connective tissue-derived mesenchymal stem cells altered M1/M2 gene expression level in coculture with differentiated THP-1 cells</b> <i>Abstract Presenter:</i> Supreda Srithanyarat, TH	12:38 - 12:46
PD132	<b>Healing potential of cells isolated from the soft tissue wall of remaining periodontal pockets: In vitro study</b> <i>Abstract Presenter:</i> Evangelia Gousopoulou, GR	12:46 - 12:54

PD133	<b>The effect of oxidized LDL compared to IL-1<math>\beta</math>/TNF-<math>\alpha</math>/INF<math>\gamma</math> cocktail on stemness and differentiation properties of human gingival mesenchymal stem cells</b> <i>Abstract Presenter:</i> Johannes Tölle, DE	12:54 - 13:02
PD134	<b>In vitro-effect of serum on the interaction of hyaluronic acid with gingival fibroblasts and periodontal biofilm</b> <i>Abstract Presenter:</i> Alexandra Stähli, CH	13:02 - 13:10
PD135	<b>Regeneration of grade II furcation using novel polymeric hydrogel templates</b> <i>Abstract Presenter:</i> Mohamed Abdelrasoul, SA	13:10 - 13:18
PD136	<b>Bone growth into surgical calvarial defects grafted with a novel coral graft: A histomorphometric study in rabbit</b> <i>Abstract Presenter:</i> Haim Tal, IL	13:18 - 13:26
PD137	<b>Regenerative potential of granulation tissue in periodontitis. A systematic review and meta-analysis.</b> <i>Abstract Presenter:</i> Naiwen Tan, GB	13:26 - 13:34
PD138	<b>The use of connective tissue graft as a membrane in the surgical management of class II molar furcation defects. A mini systematic review.</b> <i>Abstract Presenter:</i> Haider Hussain, CA	13:34 - 13:42
PD139	<b>The use of concentrated growth factor (CGF) in periodontal osseous surgery and periodontal plastic surgery: A systematic review</b> <i>Abstract Presenter:</i> Nik Fatin Sarah Nik Mhd Abdul Nasser, MY	13:42 - 13:50

*Poster discussion*

12:30 - 14:00

**PD20 - Periodontal plastic surgery - clinical applications and associated factors (Poster discussion area 4)**

*Chair:* Nelson Carranza, AR

PD150	<b>Clinical efficacy of laterally closed tunnel versus modified coronally advanced tunneling technique with sub epithelial connective tissue graft in recession type 2: Randomized clinical trial</b> <i>Abstract Presenter:</i> Yahya Amer, EG	12:30 - 12:38
PD151	<b>A prospective, randomized controlled trial to compare vestibular incision subperiosteal access and sulcular tunnel access root coverage procedures to treat gingival recession</b> <i>Abstract Presenter:</i> Maria Geisinger, US	12:38 - 12:46
PD152	<b>Management of miller class I and II gingival recession using conventional compared to abrasive de-epithelialization of palatal graft: A randomized controlled clinical trial</b> <i>Abstract Presenter:</i> Weam Elbattawy, EG	12:46 - 12:54
PD153	<b>Comparing the efficacy of two pre-orthodontic augmentation procedures in preventing gingival recessions: Xenogenic</b>	12:54 - 13:02



	<b>dermal matrix alone or combined with xenogenic bone graft</b> <i>Abstract Presenter:</i> Robert Reza Miremadi, BE	
PD154	<b>Patients perceptions report of patients in the postoperative period of the treatment of gingival recessions with tissue tunneling technique</b> <i>Abstract Presenter:</i> Axel Endruhn, AR	13:02 - 13:10
PD155	<b>The influence of non-carious lesions in the surgical treatment of gingival recession: A systematic review &amp; meta-analysis</b> <i>Abstract Presenter:</i> Stefano Gennai, IT	13:10 - 13:18
PD156	<b>Dynamic profiles of growth factors during the early healing period of coronally advanced flap</b> <i>Abstract Presenter:</i> Xuzhu Wang, HK	13:18 - 13:26
PD157	<b>Clinical detection of the greater palatine artery by Doppler ultrasonic scanning</b> <i>Abstract Presenter:</i> Dan Gruenfeld, IE	13:26 - 13:34
PD158	<b>Evaluation of post-operative morbidity according to the technique and the size of the palatal harvest in the context of periodontal plastic surgeries</b> <i>Abstract Presenter:</i> Margaux Vignon, FR	13:34 - 13:42
PD159	<b>Cephalometric assessment of gummy smile in North American adults</b> <i>Abstract Presenter:</i> Konstantina Vavetsi, US	13:42 - 13:50
PD160	<b>Influence of a cyanoacrylate adhesive dressing on marginal flap stability following coronally advanced flap procedure: A study in pig mandibles</b> <i>Abstract Presenter:</i> Adrian Kasaj, DE	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**PD22 - Risk Factors and Biomarkers (Poster discussion area 6)**

*Chair:* Philippe Bouchard, FR

PD172	<b>Morphological and epigenetic alterations of gingival tissues in diabetes – A pilot study</b> <i>Abstract Presenter:</i> Ryan Lee, AU	12:30 - 12:38
PD173	<b>Salivary and subgingival endotoxin activities as periodontal biomarkers - Towards precision periodontics</b> <i>Abstract Presenter:</i> Svetislav Zaric, GB	12:38 - 12:46
PD174	<b>Search for genetic variants affecting periodontal health in the isolated population of Cilento (Italy): A suggestive pathway from a population-based study</b> <i>Abstract Presenter:</i> Livia Nastri, IT	12:46 - 12:54
PD175	<b>Genetic control of strong and weak global innate immunity to gingivitis may predict periodontitis severity</b> <i>Abstract Presenter:</i> Martin Levine, US	12:54 - 13:02

PD176	<b>HbA1c-level, diabetes and myocardial infarction are associated with periodontitis stage III and stage IV: The HUNT study</b> <i>Abstract Presenter:</i> Ida Haukåen Stødle, NO	13:02 - 13:10
PD177	<b>Prevalence and antibiotic susceptibility trends of selected commensal <i>enterobacteriaceae</i> and <i>candida albicans</i> in the subgingival microbiota of German periodontitis patients: A retrospective surveillance study</b> <i>Abstract Presenter:</i> Karin Jepsen, DE	13:10 - 13:18
PD178	<b>Socioeconomic status, periodontal disease patterns and salivary PH levels among cigarette-smokers in urban population of Malaysia: A multicenter observational study</b> <i>Abstract Presenter:</i> Mohd Hasan Nurul Wahida, MY	13:18 - 13:26
PD179	<b>Psychometric tools to assess psychological stress in patients with periodontitis - A systematic review</b> <i>Abstract Presenter:</i> Vanaja Krishna Naik, GB	13:26 - 13:34
PD180	<b>Factors associated with the risk of periodontal disease progression in patients undergoing maintenance care</b> <i>Abstract Presenter:</i> Aikaterini-Elisavet Doufexi, GR	13:34 - 13:42
PD182	<b>Association of toothbrushing behaviour with periodontal health status among Hong Kong adults: A video-based observational study</b> <i>Abstract Presenter:</i> Ke Deng, CN	13:42 - 13:50

*Poster discussion*  
12:30 - 14:00

**PD23 - Research in bone regeneration - from preclinical to clinical studies (Poster discussion area 7)**

*Chair:* Ignacio Sanz-Martín, CH

PD183	<b>Lateral alveolar ridge augmentation with autogenous tooth roots and staged implant placement – 2 years follow up</b> <i>Abstract Presenter:</i> Igor Smojver, HR	12:30 - 12:38
PD184	<b>Preoperative buccal bone volume predicts long-term gain following augmentation in the esthetic zone</b> <i>Abstract Presenter:</i> Balazs Feher, AT	12:38 - 12:46
PD185	<b>Crestal sinus floor elevation using the SCA-KIT: A case series report</b> <i>Abstract Presenter:</i> Andrea Alonso-Español, ES	12:46 - 12:54
PD186	<b>Biocompatible scaffold material with osteoinductive properties - Significance for regeneration of peri-implant alveolar bone in a sheep model</b> <i>Abstract Presenter:</i> Wolf-Dieter Grimm, DE	12:54 - 13:02
PD187	<b>Immediate restoration of implants placed into extraction socket for single-tooth replacement using a volume-stable collagen matrix for soft-tissue augmentation and GBR: A prospective clinical study</b>	13:02 - 13:10

	<i>Abstract Presenter:</i> Roni Kolerman??, IL	
PD188	<b>Anti-fibronectin aptamers modify blood clot formation and stimulates osteogenesis: An ex vivo study</b> <i>Abstract Presenter:</i> Natacha Malu Miranda da Costa, BR	13:10 - 13:18
PD189	<b>The effect of composite 3D printed cell-scaffold constructs on bone regeneration</b> <i>Abstract Presenter:</i> Ieva Gendviliene, LT	13:18 - 13:26
PD190	<b>Prevention of buccal bone resorption using a pamidronate-loaded collagen matrix following immediate implant placement</b> <i>Abstract Presenter:</i> Jae-Kook Cha, KR	13:26 - 13:34
PD191	<b>Biocompatibility and proliferation of gingival mesenchymal stem cells seeded in a xenogeneic scaffold: An in vitro study</b> <i>Abstract Presenter:</i> Catherine Klein, CL	13:34 - 13:42
PD192	<b>Immune-instructive scaffolds modulating inflammation to promote bone regeneration</b> <i>Abstract Presenter:</i> Katarzyna Gurzawska-Comis, GB	13:42 - 13:50
PD193	<b>Bovine versus porcine xenograft for implant contour augmentation and extraction socket preservation: A randomized prospective cohort study</b> <i>Abstract Presenter:</i> Ninad Padhye, GB	13:50 - 13:58

*Poster discussion*  
12:30 - 14:00

**PD24 - Implant therapy - from navigation surgery to soft tissue grafting and implant aesthetics (Poster discussion area 8)**

*Chair:* Darko Bozic, HR

PD194	<b>Comparison of free-hand and three guided implant placement techniques: In-vitro study with novice operators</b> <i>Abstract Presenter:</i> Domen Kanduti, SI	12:30 - 12:38
PD195	<b>A novel multi-functional scannable/mounting device for computer guided implant surgery - An in-vitro study</b> <i>Abstract Presenter:</i> Eran Gabay, IL	12:38 - 12:46
PD196	<b>Pre-extractive interradicular implant bed preparation: A prospective cohort study</b> <i>Abstract Presenter:</i> Erdem Gülnergiz, DE	12:46 - 12:54
PD197	<b>Maxillary tuberosity and palate as donor sites for soft tissue augmentation simultaneously with one-stage implant placement. A 12-month controlled clinical trial.</b> <i>Abstract Presenter:</i> Elli Anna Kotsailidi, US	12:54 - 13:02
PD198	<b>Randomized controlled pilot study comparing small buccal dehiscence defects around dental implants treated with autogenous connective tissue graft (SCTG) or standard guided bone regeneration (GBR)</b> <i>Abstract Presenter:</i> Anina Nives Zuercher, CH	13:02 - 13:10

Scientific program

PD199	<b>Implant restorations with a convex emergence profile increase the frequency of recession. 12-month results of a randomized controlled clinical trial.</b> <i>Abstract Presenter:</i> Marina Siegenthaler, CH	13:10 - 13:18
PD200	<b>Narrow diameter implants to replace congenital missing maxillary lateral incisors: A 1-year prospective, controlled, comparative clinical study</b> <i>Abstract Presenter:</i> Andrea Rocuzzo, CH	13:18 - 13:26
PD201	<b>Five degree internal conical connection and marginal bone stability around subcrestal implants: A 3- to 10-years retrospective study</b> <i>Abstract Presenter:</i> Antonino Palazzolo, IT	13:26 - 13:34
PD202	<b>Clinical performance of 166 pure Morse taper implants: 2 years follow-up</b> <i>Abstract Presenter:</i> Bernardo Born Passoni, BR	13:34 - 13:42
PD203	<b>Comparative evaluation of implant stability and bone density for piezoelectric vs conventional implant site preparation: A clinico-radiological split mouth study</b> <i>Abstract Presenter:</i> Manish Rathi, IN	13:42 - 13:50

*Poster discussion*  
12:30 - 14:00

**Poster discussions**

*Poster discussion*  
12:30 - 14:00

**PD21 - Research in periodontology - basic science, quality of life and education (Poster discussion area 5)**

*Chair:* George Belibasakis, SE

PD161	<b>Sex-specific immunological features to oral microbiome in periodontitis and healthy individuals</b> <i>Abstract Presenter:</i> Davide Pietropaoli, IT	12:30 - 12:38
PD162	<b>The cytotoxicity of functionalised carbon nanotubes towards human periodontal ligament stem cells</b> <i>Abstract Presenter:</i> Nusaibah Sakinah Nordin, MY	12:38 - 12:46
PD163	<b>Gingival organotypic culture for periodontal non-invasive testing</b> <i>Abstract Presenter:</i> Dolaji Henin, IT	12:46 - 12:54
PD164	<b><i>Fusobacterium nucleatum</i> induces PD-L1 expression in human oral carcinoma cells</b> <i>Abstract Presenter:</i> Yuxi Zhou, DE	12:54 - 13:02
PD165	<b>Immune response and metabolic gene expression induced by <i>P. gingivalis</i> FimA</b> <i>Abstract Presenter:</i> Joerg Meyle, DE	13:02 - 13:10

Scientific program

PD166	<b>iTr35 cells activity via IL-35 upregulation mediates the Th17/Treg imbalance during periodontitis</b> <i>Abstract Presenter:</i> Emilio Cafferata, PE	13:10 - 13:18
PD167	<b>The impact of local and systemic administration of antimicrobials on the release of growth factors and antibacterial activity by leukocyte- and platelet-rich fibrin</b> <i>Abstract Presenter:</i> Manoetjer Siawasch, BE	13:18 - 13:26
PD168	<b>Growth factors release, antimicrobial capacity against periodontal pathogens and histology from face and body part of leukocyte and platelet rich fibrin membranes: An in vitro study</b> <i>Abstract Presenter:</i> Manoetjer Siawasch, BE	13:26 - 13:34
PD169	<b>Periodontitis and oral health-related quality of life: Results from the large NutriNet-Santé study</b> <i>Abstract Presenter:</i> Lauranne Jaumet, FR	13:34 - 13:42
PD170	<b>Periodontitis and oral health-related QoL in a 65-year-old Norwegian population</b> <i>Abstract Presenter:</i> Anne Thea Tveit Sødal, NO	13:42 - 13:50

Specialist

14:30 - 16:00

PH

**Fr.P.3. - Nightmare session - Periodontal Therapy**

*Chair:* Lior Shapira, IL

<b>Presentation of the session</b> <i>Speaker:</i> Lior Shapira, IL	14:30 - 14:35
<b>Nightmare session - debate</b> <i>Speaker:</i> Moshe Goldstein, IL <i>Speaker:</i> Sandro Cortellini, IT <i>Speaker:</i> Giulio Rasperini, IT <i>Speaker:</i> Lior Shapira, IL	14:35 - 15:55
<b>Conclusions</b> <i>Speaker:</i> Lior Shapira, IL	15:55 - 16:00

Clinician

14:30 - 16:00

CHA

**Fr.1.3. - Advanced Approaches in Bone Regeneration: The Future**

*Chair:* Mariano Sanz, ES

<b>Presentation of the session</b> <i>Speaker:</i> Mariano Sanz, ES	14:30 - 14:40
<b>Current status of tissue engineering to oral bone regeneration interventions</b> <i>Speaker:</i> William Giannobile, US	14:40 - 15:00
<b>The use of Cell Therapies in oral bone regeneration</b> <i>Speaker:</i> Mariano Sanz, ES	15:00 - 15:20
<b>The use of Customised Scaffolds in oral bone regeneration</b>	15:20 - 15:40

*Speaker:* Saso Ivanovski, AU

**Discussion**

15:40 - 15:50

*Speaker:* Mariano Sanz, ES

*Speaker:* William Giannobile, US

*Speaker:* Saso Ivanovski, AU

**Summary & Conclusions**

15:50 - 15:55

*Speaker:* Mariano Sanz, ES

*Academic*

14:30 - 16:00

C4-M1

**Fr.2.3. - Understanding the host response to periodontitis: bases for host-based diagnosis and host modulation therapy**

*Chair:* Moritz Kebschull, GB

**Presentation of the session**

14:30 - 14:35

*Speaker:* Moritz Kebschull, GB

**Understanding Inflammation (new concepts)**

14:35 - 15:00

*Speaker:* Niki Moutsopoulos, US

**Bases for diagnosis using metagenomic approaches**

15:00 - 15:25

*Speaker:* Moritz Kebschull, GB

**Bases for anti-inflammatory and host-modulatory strategies in therapy**

15:25 - 15:50

*Speaker:* Alpdogan Kantarci, US

**Summary & Conclusions**

15:50 - 16:00

*Speaker:* Moritz Kebschull, GB

*Academic*

14:30 - 16:00

AD 10-12

**Fr.3.3. - Cardiovascular diseases**

*Chair:* Christian Damgaard, DK

**Introduction to the session**

14:30 - 14:35

*Speaker:* Christian Damgaard, DK

**Biological plausibility of the association between periodontitis and cardiovascular diseases**

14:35 - 14:55

*Speaker:* Panos Papapanou, US

**Association between periodontitis and cardiovascular diseases in epidemiological studies: the PAROKRANK study**

14:55 - 15:15

*Speaker:* Björn Klinge, SE

**Association between periodontitis and cardiovascular diseases: impact of periodontal therapy**

15:15 - 15:35

*Speaker:* Francesco d'Aiuto, GB

**Debate on implications**

15:35 - 16:00

*Speaker:* Christian Damgaard, DK

*Speaker:* Panos Papapanou, US

Speaker: Björn Klinge, SE  
Speaker: Francesco d'Aiuto, GB

Sponsor Session  
14:30 - 16:00

BO1

**SP.G03 - Oral-B**

Chair: Martina Stefanini, IT

**Novel strategies for prevention of peri-implant biological complications** 14:30 - 14:30

Speaker: Giorgio Pagni, IT

**New insights in the management of gingivitis and periodontitis: the importance of the overall well-being** 14:30 - 14:30

Speaker: Filippo Graziani, IT

Research session  
14:30 - 16:10

BO2

**OS11 - Research in Implant Dentistry & Peri-implant Diseases**

Chair: Giovanni Salvi, CH

- |      |   |               |
|------|---|---------------|
| O079 | <b>Influence of bioinspired lithium-doped titanium implants on gingival fibroblast bioactivity and biofilm adhesion</b><br><i>Abstract Presenter: Aya Alali, AU</i>   | 14:30 - 14:42 |
| O080 | <b>Digital pathology image analysis vs traditional morphometric analysis for histological evaluation of periodontal and peri-implant tissues</b><br><i>Abstract Presenter: Dolaji Henin, IT</i>   | 14:42 - 14:54 |
| O081 | <b>Patient-based outcomes following peri-implant keratinised mucosa widening with epithelised connective tissue grafts versus xenogenic dermal matrix combined with autogenous strip graft. Randomised clinical trial.</b><br><i>Abstract Presenter: Attila Horváth, HU</i> | 14:54 - 15:06 |
| O082 | <b>Clinical and radiographic assessment of circular versus triangular cross-section neck implants in the posterior maxilla: Five year follow-up of a randomized controlled trial</b><br><i>Abstract Presenter: Alexandre Hurtgen, BE</i>                                    | 15:06 - 15:18 |
| O083 | <b>A retrospective analysis of biological complications of implant-supported fixed dental prostheses</b><br><i>Abstract Presenter: Zainab Almutairi, AE</i>   | 15:18 - 15:30 |
| O084 | <b>Influence of implant component materials toward peri-implant soft tissue host-response : A randomized clinical trial</b><br><i>Abstract Presenter: Lemmy Liegeois, BE</i>  | 15:30 - 15:42 |
| O085 | <b>Influence of abutment height on clinical peri-implant parameters: A 5-year prospective clinical study</b><br><i>Abstract Presenter: Rafael Dominguez Cachon, ES</i>  | 15:42 - 15:54 |
| O086 | <b>The association between peri-implantitis and its treatment on systemic inflammation. A systematic review and meta-analysis.</b>  | 15:54 - 16:06 |

*Abstract Presenter:* Yumeng Yan, GB

*Research session*

14:30 - 16:00

BO3

**OS12 - Video session - multidisciplinary approaches, from autotransplantation to ortho-perio therapy**

*Chair:* Bahar Eren Kuru, TR

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|------|--|---------------|
| O088 | <b>State of the art in digital tooth autotransplantation</b><br><i>Abstract Presenter:</i> Ignacio Pedrinaci, ES   | 14:30 - 14:45 |
| O089 | <b>Use of adjunctive enamel matrix derivatives combined with digitally guided tooth autotransplantation: A series of 10 cases</b><br><i>Abstract Presenter:</i> Javier Calatrava, ES                                     | 14:45 - 15:00 |
| O090 | <b>Successful treatment of periodontitis stage III generalized grade C periodontitis trough resective, access flap and regenerative periodontal surgeries</b><br><i>Abstract Presenter:</i> Jaime Bueno, ES              | 15:00 - 15:15 |
| O092 | <b>Interdisciplinary reconstruction of lost interdental papillae in patients with stage III periodontitis: Esthetic evaluation and modified classification proposal</b><br><i>Abstract Presenter:</i> Natalja Verina, LT | 15:15 - 15:30 |
| O123 | <b>Novel approach for instrumental periodontal therapy with periosan chips based on chitosan and EPX molecule</b><br><i>Abstract Presenter:</i> Mara Gómez Flores, MX  | 15:30 - 15:45 |

*Clinician*

16:30 - 18:00

PH

**Fr.P.4. - Critical Factors in Surgical Design for Periodontal Regeneration of Infrabony defects**

*Chair:* Leonardo Trombelli, IT

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|--|---------------|
| <b>Introduction: Periodontal Regeneration of Infrabony defects</b><br><i>Speaker:</i> Leonardo Trombelli, IT | 16:30 - 16:50 |
| <b>Flap designs (coronally advanced flaps)</b><br><i>Speaker:</i> Giovanni Zucchelli, IT                     | 16:50 - 17:20 |
| <b>Lateral approaches</b><br><i>Speaker:</i> Serhat Aslan, TR  | 17:20 - 17:50 |
| <b>Discussion</b><br><i>Speaker:</i> Leonardo Trombelli, IT  | 17:50 - 18:00 |

*Dedicated sessions*

16:30 - 18:00

CHA

**Fr.1.4. - A tribute to Maurizio Tonetti, editor-in-chief (2004-2021)**

*Chair:* William Giannobile, US

*Chair:* Kenneth Kornman, US

- |  |               |
|--|---------------|
| <b>Presentation of the session</b><br><i>Speaker:</i> William Giannobile, US | 16:30 - 16:40 |
|--|---------------|



Scientific program

*Speaker:* Kenneth Kornman, US

**Before**

16:40 - 16:55

*Speaker:* Niklaus Lang, CH

**During**

16:55 - 17:10

*Speaker:* Mariano Sanz, ES

**After**

17:10 - 17:25

*Speaker:* Panos Papapanou, US

**Debate**

17:25 - 17:50

*Academic*

16:30 - 18:00

C4-M1

**Fr.2.4. - Management of peri-implant diseases: from diagnosis to long-term maintenance**

*Chair:* Andrea Mombelli, CH

**Introduction**

16:30 - 16:40

*Speaker:* Andrea Mombelli, CH

**The value of clinical diagnosis**

16:40 - 17:05

*Speaker:* Tord Berglundh, SE

**The value of biomarker diagnosis in peri-implant diseases**

17:05 - 17:30

*Speaker:* Mia Rakic, ES

**The value of oral hygiene and supportive therapy in the long term maintenance of periimplantitis patients**

17:30 - 17:55

*Speaker:* Lisa Heitz-Mayfield, AU

**Summary & Conclusions**

17:55 - 18:00

*Speaker:* Andrea Mombelli, CH

*Academic*

16:30 - 18:00

AD 10-12

**Fr.3.4. - Metabolic diseases and Periodontitis**

*Chair:* Francesco d'Aiuto, GB

**Introduction**

16:30 - 16:35

*Speaker:* Francesco d'Aiuto, GB

**Periodontitis and cardio-metabolic risk factors**

16:35 - 16:55

*Speaker:* Eduardo Montero, ES

**Team Care in Periodontitis and Diabetes**

16:55 - 17:15

*Speaker:* Evanthia Lalla, US

**Moving towards Diabetes and Periodontitis Integrated Care**

17:15 - 17:35

*Speaker:* Francesco d'Aiuto, GB

**Discussion**

17:35 - 18:00

*Speaker:* Francesco d'Aiuto, GB

*Speaker:* Eduardo Montero, ES

*Speaker:* Evanthia Lalla, US

Scientific program

Sponsor Session  
16:30 - 17:30

AD 15

**SP.G23 - Morita**

**Er:YAG Laser assisted treatment of Peri-implant diseases**

16:30 - 16:30

*Speaker:* Stefan Renvert, SE

Research session  
16:30 - 18:10

BO2

**OS13 - Step 3 of periodontal therapy - research on periodontal surgery**

*Chair:* Mario Aimetti, IT

- |      |   |               |
|------|---|---------------|
| O093 | <b>Pocket closure: A multilevel analysis of patients treated with different modalities of periodontal therapies after one year of maintenance</b><br><i>Abstract Presenter:</i> Mario De Caroli, IT   | 16:30 - 16:42 |
| O094 | <b>Clinical evaluation of advanced-platelet-rich-fibrin with open flap debridement versus open flap debridement in intra-osseous defects of stage-III periodontitis patients: A randomized controlled clinical trial</b><br><i>Abstract Presenter:</i> Karim Fawzy El-Sayed, EG | 16:42 - 16:54 |
| O095 | <b>Clinical outcomes after subgingival instrumentation and application of EMD by incision-free tension flap access. Results of a 3 year case-control-study.</b><br><i>Abstract Presenter:</i> Frank Broeseler, DE   | 16:54 - 17:06 |
| O096 | <b>Healing of intrabony defects following treatment with a new-generation platelet-rich fibrin or EMD: A randomized clinical trial</b><br><i>Abstract Presenter:</i> Boróka Klára Csifó-Nagy, HU  | 17:06 - 17:18 |
| O097 | <b>Comparison of the effects of platelet rich fibrin (A-PRF+) and enamel matrix derivative (EMD) on PROMs (patient related outcome measurements) in regenerative periodontal micro-surgery</b><br><i>Abstract Presenter:</i> Dimitrios Vasdravellis, NL                         | 17:18 - 17:30 |
| O098 | <b>Comparison of clinical and radiographic parameters in the application of cross-linked hyaluronic acid and enamel matrix derivative in periodontal regeneration: A randomized clinical trial</b><br><i>Abstract Presenter:</i> Manuel Rodríguez Aranda, ES                    | 17:30 - 17:42 |
| O099 | <b>Evaluation of gingival tissue healing following periodontal surgery using chlorhexidine plus hyaluronic acid mouth-rinse</b><br><i>Abstract Presenter:</i> Rossana Izzetti, IT   | 17:42 - 17:54 |
| O100 | <b>The effects of systemic antibiotics on periodontal regeneration: A systematic review with meta-analysis of randomized controlled trials</b><br><i>Abstract Presenter:</i> Lan-Lin Chiou, US  | 17:54 - 18:06 |

Research session

16:30 - 18:00

BO3

**OS14 - Video session - treating intrabony defects and gingival recession**

*Chair:* Martina Stefanini, IT

- |      |  |               |
|------|--|---------------|
| O101 | <b>Hyaluronic acid applied at GTR surgery effectively promotes regenerative healing in intrabony defects – A clinical and radiographic 12-32 months follow-up in 15 cases</b><br><i>Abstract Presenter:</i> Anton Friedmann, DE        | 16:30 - 16:45 |
| O103 | <b>Effect of a connective tissue graft in combination with the regenerative treatment of deep intrabony defect: 18-months follow-up of 15 cases</b><br><i>Abstract Presenter:</i> Michel Bravard, FR                                   | 16:45 - 17:00 |
| O104 | <b>Evaluation of the efficacy and safety of a three-dimensional collagen matrix for the treatment of single and multiple gingival recessions: A retrospective clinical study</b><br><i>Abstract Presenter:</i> Raffaele Cavalcanti, IT | 17:00 - 17:15 |
| O105 | <b>Software-designed 3D-printed surgical guide to treat multiple recessions in mucogingival surgery</b><br><i>Abstract Presenter:</i> Federico Rivara, IT  | 17:15 - 17:30 |
| O106 | <b>Treatment of gingival recessions using titanium platelet rich fibrin in combination with current approaches: Case series</b><br><i>Abstract Presenter:</i> Bilge Cansu Uzun Saylan, TR  | 17:30 - 17:45 |

## Saturday, 18. June 2022

### Clinician

09:00 - 10:30

PH

#### **Sa.P.1. - Critical Factors in Surgical Design for the Treatment of multiple recession defects in the aesthetic maxilla**

*Chair:* Francesco Cairo, IT

<b>Introduction: the relevance of the surgical technique</b>	09:00 - 09:15
<i>Speaker:</i> Francesco Cairo, IT	
<b>Surgical prognostic factors for complete root coverage</b>	09:15 - 09:35
<i>Speaker:</i> Fabio Vignoletti, ES	
<b>The influence of connective tissue grafts</b>	09:35 - 09:55
<i>Speaker:</i> France Lambert, BE	
<b>The influence of biomaterials</b>	09:55 - 10:15
<i>Speaker:</i> Darko Bozic, HR	
<b>Discussion</b>	10:15 - 10:30
<i>Speaker:</i> Francesco Cairo, IT	

### Clinician

09:00 - 10:30

CHA

#### **Sa.1.1. - Surgical Protocols in Implant Dentistry after tooth extraction: When do we place the implant?**

*Chair:* Juan Blanco, ES

<b>Introduction</b>	09:00 - 09:05
<i>Speaker:</i> Juan Blanco, ES	
<b>Ridge preservation</b>	09:05 - 09:25
<i>Speaker:</i> Ignacio Sanz-Martín, CH	
<b>Immediate Implants</b>	09:25 - 09:45
<i>Speaker:</i> Jan Cosyn, BE	
<b>Early Implants</b>	09:45 - 10:05
<i>Speaker:</i> Juan Blanco, ES	
<b>Clinical cases: Discussion</b>	10:05 - 10:30
<i>Speaker:</i> Juan Blanco, ES	
<i>Speaker:</i> Ignacio Sanz-Martín, CH	
<i>Speaker:</i> Jan Cosyn, BE	

### Hygiene & Prevention

09:00 - 10:30

C4-M1

#### **Sa.2.1. - What systemic factors may affect periodontitis?**

*Chair:* Philippe Bouchard, FR

<b>Session presentation</b>	09:00 - 09:05
<i>Speaker:</i> Philippe Bouchard, FR	

	<b>The periodontal-systemic connection. Is masticatory capacity the missing link?</b>	09:05 - 09:25
	<i>Speaker:</i> Philippe Bouchard, FR	
	<b>Eating disorders: Anorexia nervosa and bulimia nervosa</b>	09:25 - 09:45
	<i>Speaker:</i> Hélène Rangé, FR	
	<b>Neurodegeneration and periodontitis– another two-way relationship?"</b>	09:45 - 10:05
	<i>Speaker:</i> Mark Ide, GB	
	<b>Physical activity</b>	10:05 - 10:25
	<i>Speaker:</i> Ian Needleman, GB	
	<b>Conclusions</b>	10:25 - 10:30
	<i>Speaker:</i> Philippe Bouchard, FR	
<i>Hygiene &amp; Prevention</i>		
09:00 - 10:30		AD 10-12
<b>Sa.3.1. - Risk Factor Control in Periodontal Therapy</b>		
<i>Chair:</i> Rodrigo López, DK		
	<b>Introduction</b>	09:00 - 09:15
	<i>Speaker:</i> Rodrigo López, DK	
	<b>Modern approaches to risk factor control</b>	09:15 - 09:35
	<i>Speaker:</i> Christoph Ramseier, CH	
	<b>How to work with a patient who has diabetes</b>	09:35 - 09:55
	<i>Speaker:</i> Philip Preshaw, GB	
	<b>How to deal with the smoking patient</b>	09:55 - 10:15
	<i>Speaker:</i> Dagmar Fossa Bunaes, NO	
	<b>Discussion</b>	10:15 - 10:30
	<i>Speaker:</i> Rodrigo López, DK	
<i>Research session</i>		
09:00 - 10:40		BO2
<b>OS15 - Clinical applications and emerging technologies in plastic aesthetic periodontal surgery</b>		
<i>Chair:</i> Anton Sculean, CH		
O107	<b>Modified coronally advanced tunnel versus epithelialized free gingival graft technique in gingival phenotype modification. A comparative randomized controlled clinical trial.</b>	09:00 - 09:12
	<i>Abstract Presenter:</i> Birtan Tolga Yilmaz, TR	
O108	<b>Long-term comparison of root coverage procedures at single RT2 maxillary gingival recessions: 10-year extension results from a randomized, controlled, clinical trial</b>	09:12 - 09:24
	<i>Abstract Presenter:</i> Luigi Barbato, IT	
O109	<b>MCAT+CTG versus CAF+EMD for gingival recession therapy: 10-year results of a RCT using 3D digital evaluation of root coverage and gingival dimensions</b>	09:24 - 09:36

	<i>Abstract Presenter:</i> Sophia Mulugeta Abraha, DE	
O110	<b>Comparison of pinhole surgical technique and tunnel technique for the treatment of gingival recession: A split mouth clinical and digital prospective study</b> <i>Abstract Presenter:</i> Mohanad Al-Sabbagh, US	09:36 - 09:48
O111	<b>A novel augmentation technique for the management of interdental papilla</b> <i>Abstract Presenter:</i> Dharmarajan Gopalakrishnan, IN	09:48 - 10:00
O112	<b>Efficacy of the combined surgical–restorative treatment for multiple gingival recession associated with noncarious cervical leisons. Randomized clinical trial.</b> <i>Abstract Presenter:</i> Alice Ferrari, IT	10:00 - 10:12
O113	<b>Root coverage of RT1 gingival lesions with gingiva-derived mesenchymal stem cells embedded in a xenogeneic collagen matrix: An <i>in vivo</i> preclinical study</b> <i>Abstract Presenter:</i> Nerea Sanchez, ES	10:12 - 10:24
O114	<b>Evaluation of angiogenesis of soft tissue substitutes using a Chick chorioallantoic membrane (CAM) assay: A preclinical study</b> <i>Abstract Presenter:</i> Sandra Olivia Kuswandani, GB	10:24 - 10:36
<i>Research session</i>		
09:00 - 10:40		BO3
<b>OS16 - Research in Periodontology - miscellaneous</b>		
O118	<b>Generation and characterization of recombinant <i>Porphyromonas gingivalis</i> W83 FimA</b> <i>Abstract Presenter:</i> Sabine Groeger, DE	09:00 - 09:12
O115	<b>Oral health, salivary response and risk of injuries to physical training in young professional football players</b> <i>Abstract Presenter:</i> Sergio Bizzarro, NL	09:12 - 09:24
O116	<b>Morphometric analyses of alveolar bone height in ligature-induced periodontitis associated with surgically induced osteoarthritis: An experimental study in rats</b> <i>Abstract Presenter:</i> Fouad Hussain AL Bayaty, MY	09:24 - 09:36
O117	<b>Development of a biomechanical model for the study of tooth auto-transplantation outcomes: Towards in-silico modelling</b> <i>Abstract Presenter:</i> Pierre Lahoud, BE	09:36 - 09:48
O119	<b>Comparison of two different LED devices for photodynamic therapy in combination with aminolevulinic acid</b> <i>Abstract Presenter:</i> Morena Petrini, IT	09:48 - 10:00
O120	<b>Combined periodontal and orthodontic treatment in stage IV periodontitis patients with pathological tooth migration: A long-term retrospective study</b> <i>Abstract Presenter:</i> Giacomo Baima, IT	10:00 - 10:12

*Scientific program*

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O121	<b>Characterization of oral mucosa wound healing in a porcine model using histology, proteomics and molecular imaging</b> <i>Abstract Presenter:</i> Benjamin P.J. Fournier, FR	10:12 - 10:24
O122	<b>SHED promote the maturation of a functional vascular network in prevascularized grafted collagen scaffolds</b> <i>Abstract Presenter:</i> Eirini Chatzopoulou, FR	10:24 - 10:36

*Extraordinary sessions*  
11:00 - 12:30

PH

**Sa.P.2. - Closing Session**