

## Basic research

### **BR-001 (W43NA) Iret Neferet: Mummy found in southern Brazil. Dating by C14, Radiographic and Histopathological**

HUTTNER Eder (Porto Alegre, BRAZIL), CANDEIAS Bruno (Porto Alegre, BRAZIL), HUTTNER Edison (Porto Alegre, BRAZIL)

### **BR-002 (P5R2K) CaP bone-like coating for fast osseointegration of dental implants**

DALCANALE Federico (MuttENZ, SWITZERLAND), CARINO Agnese (Villigen, SWITZERLAND), BITIQI Hekuran (MuttENZ, SWITZERLAND), MUELLER Elisabeth (Villigen, SWITZERLAND), DE WILD Michael (MuttENZ, SWITZERLAND), KÖSER Joachim (MuttENZ, SWITZERLAND), MOSER Walter (Aarau, SWITZERLAND), HOECHST Burkard (Neuss, GERMANY), GÖDDEKE Simon (Neuss, GERMANY), BERNER Simon (Maegenwill, SWITZERLAND), GRUNER Philipp (Maegenwill, SWITZERLAND), TESTINO andrea (Villigen, SWITZERLAND)

### **BR-003 (VSCFL) PRIMARY STABILITY OF THREE DIFFERENT AGGRESSIVELY THREADED AND TAPERED IMPLANTS IN LOW-DENSITY POLYURETHANE**

TURRA Matteo (Feltre, ITALY), PETERSSON Anders (Gothenburg, SWEDEN), SENNERBY Lars (Kullavik, SWEDEN)

### **BR-004 (YACBM) Effect of a new synthetic chalcone on inflammatory bone resorption and osteoclastogenesis.**

FERNANDES Natalie (Araraquara, BRAZIL), CAMILLI Angelo (Araraquara, BRAZIL), MALDONADO Laura (Araraquara, BRAZIL), SILVA Amanda (Araraquara, BRAZIL), PACHECO Cindy (Araraquara, BRAZIL), REGASINI Luis octavio (São José Do Rio Preto, BRAZIL), STABILI Morgana (Araraquara, BRAZIL)

### **BR-005 (R5VJY) Effects of minocycline hydrochloride on extra-skeletal bone formation in a guided bone generation model. A comparative histomorphometric study in rat calvaria.**

BIEWER Bob (8211 Mamer, LUXEMBOURG), ROMPEN Eric (Liège, BELGIUM), MITTELBRONN Michel (Luxembourg, LUXEMBOURG), QUATRESOOZ Pascale (Liège, BELGIUM), KLEINE BORGMANN Felix (Luxembourg, LUXEMBOURG)

### **BR-006 (OWM7I) Evaluation of histologic properties and blood supply of vertically thin and thick gingiva**

SVAZAS Ernestas (Vilnius, LITHUANIA), ZUKAUSKAS Saulius (Vilnius, LITHUANIA), LINKEVIČIUS Tomas (Vilnius, LITHUANIA), PUIŠYS Algirdas (Vilnius, LITHUANIA)

**BR-007 (JYDV3) Improvement in wettability and crystallinity by reactive plasma on nanostructured titanium surfaces for implants.**

KUNRATH Marcel (Porto Alegre, BRAZIL), VARGAS André Luis (Porto Alegre, BRAZIL), SESTERHEIM Patricia (Porto Alegre, BRAZIL), TEIXEIRA Eduardo (Porto Alegre, BRAZIL), HUBLER Roberto (Porto Alegre, BRAZIL)

**BR-008 (YCR88) A Study of 3D Printing Parameters on Fit of Implant-Supported 3-unit Resin Prosthesis**

KIM Seong-Kyun (Seoul, REPUBLIC OF KOREA), PARK Gang-seok (Seoul, REPUBLIC OF KOREA), HEO Seong-joo (Seoul, REPUBLIC OF KOREA), KOAK Jai-young (Seoul, REPUBLIC OF KOREA)

**BR-009 (GZRS4) Primary stability of different designs of titanium vs zirconia implants – In-vitro comparative study**

AGUIAR Edgar (Lisbon, PORTUGAL), CHEN Andre (Lisbon, PORTUGAL), FRANCISCO Helena (Lisbon, PORTUGAL), FIALHO Joana (Viseu, PORTUGAL), CARAMÊS João (Lisbon, PORTUGAL)

**BR-010 (ZKXE9) Prosthetic complications and survival-rates of two-piece zirconia implants after artificial aging**

REINISCH Manuel (Graz, AUSTRIA), KOLLER Martin (Graz, AUSTRIA), SETTEN Nino (Graz, AUSTRIA), GLOCKNER Karl (Graz, AUSTRIA), JAKSE Norbert (Graz, AUSTRIA), PAYER Michael (Graz, AUSTRIA)

**BR-011 (V5N11) A randomized controlled crossover study on the diagnostic and therapeutic relevance of microbiological testing in periodontitis patients**

VRIJGHEM Camille (Leper, BELGIUM), COSYN Jan (Gent, BELGIUM), FRANSEN Jasper (Gent, BELGIUM), CHRISTIAENS Véronique (Ghent, BELGIUM)

**BR-012 (J1FDX) An Immune Interaction Network driven approach for identifying biomarkers for Peri-implantitis**

YADALAM Dr.Pradeep Kumar (Chennai, INDIA), THIYAGARAJ Anand (Chennai, INDIA)

**BR-013 (4QABH) Ex vivo study – a more suitable way for 3D scaffold analysis.**

da COSTA Natacha Malu Miranda (Ribeirão Preto, BRAZIL), CAETANO Hilary ignes palma (Ribeirão Preto, BRAZIL), MIRANDA Larissa aguiar (Ribeirão Preto, BRAZIL), DE OLIVEIRA Paulo tambasco (Ribeirão Preto, BRAZIL), DE SOUZA Sérgio luís scombatti (Ribeirão Preto, BRAZIL), MESSORA Michel reis (Ribeirão Preto, BRAZIL), NOVAES JUNIOR Arthur belém (Ribeirão Preto, BRAZIL), PALIOTO Daniela bazan (Ribeirão Preto, BRAZIL)

**BR-014 (MGLSC) How does short implant success rely on cortical bone quality?**

NESVIT Vitalij (Kharkov, UKRAINE), DEMENKO Vladislav (Kharkov, UKRAINE), LINETSKIY Igor (Prague, CZECH REPUBLIC), JAYAKUMAR Abilash (Kharkov, UKRAINE), YEFREMOV Oleg (Kharkov, UKRAINE), LINETSKA Larysa (Kharkov, UKRAINE)

**BR-015 (QUKQZ) Titanium surface interacting with clot network and entrapped blood components promotes migration and osteogenic differentiation of bone marrow mesenchymal stem cells**

ZHAO Juan (Hangzhou, CHINA) LI Jia (Hangzhou, CHINA), GUAN Ye (Hangzhou, CHINA), XU Antian (Hangzhou, CHINA), ZHOU Chuan (Hangzhou, CHINA), HE Fuming (Hangzhou, CHINA), ,

**BR-016 (M2RWU) Accuracy of Intraoral Scanning Technique for Implant Supported Full-Arch Screw Retained Prosthesis**

VAROL OLCAY Merve (Istanbul, TURKEY) DEMIR Fatmanur (Ankara, TURKEY), KARASAN Duygu (Geneva, SWITZERLAND), AKCA Kivanc (Ankara, TURKEY)

**BR-017 (TTYVV) Clinical Outcome of Abutments made of Ti, ZrO<sub>2</sub> and PMMA - a randomized pilot study**

THEISEN Kerstin (Graz, AUSTRIA), STEYER Elisabeth (Graz, AUSTRIA), AREFNIA Behrouz (Graz, AUSTRIA), LORENZONI Martin (Graz, AUSTRIA)

**BR-018 (HWKLS) Effect of Pore Size and Porosity on the Cytocompatibility of Porous Titanium**

ZHAO Ke (Guangzhou, CHINA)

**BR-019 (GBIA1) Evaluation of bone turnover around short finned implants in posterior maxilla with thin cortices.**

YEFREMOV Oleg (Kharkov, UKRAINE), DEMENKO Vladislav (Kharkov, UKRAINE), LINETSKA Larysa (Kharkov, UKRAINE), LINETSKIY Igor (Prague, CZECH REPUBLIC), NESVIT Vitalij (Kharkov, UKRAINE), JAYAKUMAR Abilash (Kharkov, UKRAINE)

**BR-020 (XOPJP) Influence of Mineral Oil Lubricant of surgical handpiece on dental Implant osseointegration: In vitro and animal study**

HEON-YOUNG Kim (Seoul, REPUBLIC OF KOREA), MIN-KYOUNG Kim (Busan, REPUBLIC OF KOREA), JUDONG Song (Busan, REPUBLIC OF KOREA), SUN-JONG Kim (Seoul, REPUBLIC OF KOREA), KIM Jin-Woo (Seoul, REPUBLIC OF KOREA)

**BR-021 (CXVJG) Infrared thermographic evaluation of temperature modifications induced during osteotomies performed with Er:YAG laser, piezosurgery and surgical drill – an animal study**

GABRIĆ Dragana (Zagreb, CROATIA), AUMILER Damir (Zagreb, CROATIA), GJORGIEVSKA Elizabeta (Skopje, MACÉDOINE, EX-RÉP. YOUGOSLAVE), SMOJVER Igor (Zagreb, CROATIA), MARKOVIĆ Luka (Zagreb, CROATIA), PAVLIĆ Verica (Banja Luka, BOSNIE-HERZÉGOVINE)

**BR-022 (I WV6R) Proteomic and in vitro evaluation of Ca-containing sol-gel coatings**

CERQUEIRA Andreia (Castelló De La Plana, SPAIN), ROMERO-GAVILÁN Francisco (Castelló De La Plana, SPAIN), GARCÍA-ARNÁEZ Iñaki (San Sebastián, SPAIN), ARAÚJO-GOMES Nuno (Enschede, NETHERLANDS), AZKARGORTA Mikel (Derio, SPAIN), ELORTZA Félix (Derio, SPAIN), OZTURAN Seda (Istanbul, TURKEY), MARTÍNEZ- RAMOS Cristina (Castelló De La Plana, SPAIN), GURRUCHAGA Mariló (San Sebastián, SPAIN), SUAY ANTÓN Julio (Castelló De La Plana, SPAIN), GOÑI Isabel (San Sebastián, SPAIN)

**BR-023 (F25HL) The early adhesion effects of human gingival fibroblasts (HGFs) on the bovine serum albumin (BSA) loaded hydrogenated titanium nanotube (H2-TNTs) surface**

SUN Yuchen (Beijing, CHINA), XIN Wang (Beijing, CHINA)

**BR-024 (WBWG4) A pilot animal study aimed at assessing the mechanical quality of regenerated alveolar bone**

KARL Matthias (Homburg, GERMANY), PALARIE Victor (Chisinau, MOLDOVA, RÉPUBLIQUE DE), NACU Viorel (Chisinau, MOLDOVA, RÉPUBLIQUE DE), GROBECKER-KARL Tanja (Homburg, GERMANY)

**BR-025 (7JN0L) Decontamination process affects negatively the adhesion of osteoblastic cells on implant surface**

FÁTIMA BALDERRAMA Ísis (Araraquara, BRAZIL), Völz Cardoso Matheus (Bauru, BRAZIL), TOLEDO STUANI Vitor (Bauru, BRAZIL), ARRUDA MATOS Adriana (Bauru, BRAZIL), CARDOSO DE OLIVEIRA Rodrigo (Bauru, BRAZIL), MARCANTONIO JUNIOR Elcio (Araraquara, BRAZIL), AGUIAR GREGHI Sebastião Luiz (Bauru, BRAZIL), CAMPOS PASSANEZI SANTANA Adriana (Bauru, BRAZIL)

**BR-026 (TDAI9) Histomorphometric evaluation of critical defects filled by  $\beta$ - tricalcium phosphate in rats calvary**

PADILHA-SILVA Nelson (Jundiaí, BRAZIL), OLIVEIRA-JÚNIOR Nilton (Campinas, BRAZIL), HADAD Henrique (Araçatuba, BRAZIL), JESUS Laís kawamata (Araçatuba, BRAZIL), SANTOS Ana flávia piquera (Araçatuba, BRAZIL), VEDOVATTO Eduardo (Campinas, BRAZIL), SOUZA Francisley Ávila (Araçatuba, BRAZIL), CARVALHO Paulo sérgio (Araçatuba, BRAZIL)

**BR-027 (HWO0H) THE INFLUENCE OF ACETYLSALICYLIC ACID IN BONE REGENERATION: SYSTEMATIC REVIEW AND META-ANALYSIS**

Rendohl Edelcio (Sao Paulo, BRAZIL), MIZIARA Luciano (São Paulo, BRAZIL), PIMENTEL Angelica (Sao Paulo, BRAZIL), SENDYK Wilson (Sao Paulo, BRAZIL), SANTIAGO JUNIOR Joel (Bauru, BRAZIL), MARAO Heloisa (Sao Paulo, BRAZIL)

**BR-028 (GOQX1) Does implant thread geometry influences the stress distribution in the bone -An In-vitro study**

SHAIKH MOHSIN (Pune, INDIA), KHEUR Supriya (Pune, INDIA), LAKHA Tabrez (Mumbai, INDIA), KHEUR Mohit (Pune, INDIA), LAKHA Ameera (Mumbai, INDIA)

**BR-029 (RX8M9) Effect of synthesized and surface modified hydroxyapatite on osteoblastics cultures**

FERNANDES E OLIVEIRA Hiskell (Araçatuba, BRAZIL), EUFRAZIO CRUZ Marcos (Ribeirao Preto, BRAZIL), BAHIA NOGUEIRA Lucas (Ribeirao Preto, BRAZIL), COSTA YOGUI Fernanda (Araçatuba, BRAZIL), CAPALBO DA SILVA Rodrigo (Araçatuba, BRAZIL), ADDISON Owen (London, UK), RAMOS VERRI Fellippo (Araçatuba, BRAZIL), RAMOS Ana paula (Ribeirao Preto, BRAZIL)

**BR-030 (KNZOL) MAINTENANCE OF DENTAL IMPLANTS: THE IMPORTANCE OF PROGNOSIS**  
CRISTOFARI Paul Edouard (Nice, FRANCE)

**BR-031 (CFF2H) A 5-year cohort study on early implant placement and contour augmentation versus alveolar ridge preservation and late implant placement**

WESSELS Retief (Gent, BELGIUM), VERVAEKE Stijn (Gent, BELGIUM), SEYSSENS Lorenz (Gent, BELGIUM), EGHBALI Aryan (Gent, Brussels, BELGIUM), COSYN Jan (Gent, BELGIUM)

**BR-032 (WK90A) A comparison of cone beam CT and micro-CT evaluating peri-implant trabecular bone remodeling under various loading conditions in a beagle dog model**

GUOWU Ma (Dalian, CHINA) ZHAI Ying (Dalian, CHINA)

**BR-033 (5T2O7) Infrared thermography vs. thermocouples for temperature measurement during implant preparation**

WALTENBERGER Lukas (Aachen, GERMANY), TUNA Taskin (Aachen, GERMANY), BRACKEBUSCH Enno (Aachen, GERMANY), WOLFART Stefan (Aachen, GERMANY)

**BR-034 (J8CM3) Is 3D printing an alternative to CAD-CAM and Chairside fabricated provisional reconstructions?**

SHAIKH MOHSIN (Pune, INDIA), KAZI Sana (Mumbai, INDIA), KHEUR Mohit (Pune, INDIA), LAKHA Tabrez (Mumbai, INDIA), KHEUR Supriya (Pune, INDIA)

**BR-035 (7EOSG) Proliferation and differentiation of osteoblasts on synthetic carbonated apatite disk**

KITAMURA Nagomi (Itabashi-Ku, JAPAN), YAMANAKA Katsuyuki (Itabashi-Ku, JAPAN), FUSEJIMA Futoshi (Itabashi-Ku, JAPAN), KUMAGAI Tomohiro (Itabashi-Ku, JAPAN)

**BR-036 (NN9CM) Single tooth restoration with pin-guide system: A single case presentation.**  
NYÁRÁDY Zoltán (Pécs, HONGRIE), SZENTLÉLEKY Eszter (Pécs, HONGRIE), ORSI Enikő (Pécs, HONGRIE)

**BR-037 (EG2CZ) Topographic characterization of cp-Ti dental implants modified by laser beam surface with or without hydroxyapatite deposition**

SOUZA Francisley Ávila (Araçatuba, BRAZIL), NÍMIA Heloisa helena (Poços De Caldas, BRAZIL), PADILHA-SILVA Nelson (Araçatuba, BRAZIL), SANTOS Ana flávia piquera (Araçatuba, BRAZIL), HADAD Henrique (Araçatuba, BRAZIL), GUASTALDI Anatônio carlos (Araraquara, BRAZIL), QUEIROZ Thallita pereira (Araraquara, BRAZIL), OKAMOTO Roberta (Araçatuba, BRAZIL), OLIVEIRA Sandra helena penha (Araçatuba, BRAZIL), POLI Pier Paolo (Milan, ITALY), MAIORANA Carlo (Milan, ITALY)

**BR-038 (3H640) Critical defect healing assessment in rat calvaria using a titanium-reinforced polytetrafluoroethylene membrane**

HADAD Henrique (Araçatuba, BRAZIL), CHIES Bruno (Campinas, BRAZIL), JESUS Laís kawamata (Araçatuba, BRAZIL), SANTOS Ana Flávia Piquera (Araçatuba, BRAZIL), SOUZA Francisley Ávila (Araçatuba, BRAZIL), VEDOVATTO Eduardo (Campinas, BRAZIL), CARVALHO Paulo Sérgio (Araçatuba, BRAZIL)

**BR-039 (CZ660) Evaluation the effect of surface chemistry modification on titanium dental implants related to osteoclastic activity**

JUNG Ji-won (Seoul, REPUBLIC OF KOREA), KOAK Jai-young (Seoul, REPUBLIC OF KOREA), HEO Seong-joo (Seoul, REPUBLIC OF KOREA), KIM Seong-Kyun (Seoul, REPUBLIC OF KOREA), KIM Myung-Joo (Seoul, REPUBLIC OF KOREA)

**BR-040 (3UHAT) Comparative study of the fibrin sealant with particulated xenograft in rabbit maxillary sinus: Pilot study**

SONG Jae Min (Yangsan-Si, REPUBLIC OF KOREA), WON-HYUK Choi (Yangsan-Si, REPUBLIC OF KOREA)

**BR-041 (ALYEB) Evaluation of volumetric changes of 3D printed implant surgical guides after sterilization process.**

Tachmatzidis Theodoros (Thessaloniki, GREECE), KAPAGIANNIDIS Ioannis (Thessaloniki, GREECE), DABARAKIS Nikolaos (Thessaloniki, GREECE)

**BR-042 (58MBJ) Histological analysis of two biomaterials after socket preservation – Preliminary histological findings**

TOMAS Matej (Osijek, CROATIA), ČANDRLIĆ Marija (Osijek, CROATIA), KARL Matej (Osijek, CROATIA), JUZBAŠIĆ Martina (Osijek, CROATIA), MATIJEVIĆ Nikola (Zagreb, CROATIA), PERIĆ KAČAREVIĆ Željka (Osijek, CROATIA), MATIJEVIĆ Marko (Osijek, CROATIA)

**BR-043 (70WH2) Influence of dental implant material and geometry on the MRI artifacts pattern**

OLIVEIRA LIMA BOHNER Lauren (Münster, GERMANY), KLEINHEINZ Johannes (Münster, GERMANY), HANISCH Marcel (Münster, GERMANY)

**BR-044 (7964A) Prosthetic complications with zirconia single-piece implants using different cementation methods.**

SETTEN Nino (Graz, AUSTRIA), KOLLER Martin (Graz, AUSTRIA), REINISCH Manuel (Graz, AUSTRIA), GLOCKNER Karl (Graz, AUSTRIA), JAKSE Norbert (Graz, AUSTRIA), PAYER Michael (Graz, AUSTRIA)

**BR-045 (1NM9X) The evaluation of decontamination protocols on moderate rough dental implants - in vitro analysis**

FÁTIMA BALDERRAMA Ísis (Araraquara, BRAZIL), Völz Cardoso Matheus (Bauru, BRAZIL), TOLEDO STUANI Vitor (Bauru, BRAZIL), MILANDA RIBEIRO LOPES Marcelo (Bauru, BRAZIL), CARDOSO DE OLIVEIRA Rodrigo (Bauru, BRAZIL), MARCANTONIO JUNIOR Elcio (Araraquara, BRAZIL), AGUIAR GREGHI Sebastião Luiz (Bauru, BRAZIL), CAMPOS PASSANEZI SANTANA Adriana (Bauru, BRAZIL)

**BR-046 (PI2GI) Anti-fibronectin Aptamers improve physiologic coagulum patterns and osteoblastic cells behavior.**

Da COSTA Natacha Malu Miranda (Ribeirão Preto, BRAZIL), MIRANDA Larissa aguiar (Ribeirão Preto, BRAZIL), DE OLIVEIRA Paulo Tambasco (Ribeirão Preto, BRAZIL), PARISI Ludovica (Bern, SWITZERLAND), GHEZZI Benedetta (Parma, ITALY), MACALUSO Guido Maria (Parma, ITALY), PALIOTO Daniela Bazan (Ribeirão Preto, BRAZIL)

**BR-047 (705X3) Anti-inflammatory and macrophage polarization effects of Cranberry Proanthocyanidins (PACs) for periodontal and peri-implant disease therapy**

GALARRAGA VINUEZA Maria Elisa (Quito, EQUADOR), DOHLE Eva (Frankfurt, GERMANY), Obreja Karina (Frankfurt, GERMANY), SADER Robert (Frankfurt, GERMANY), RAMANAUSKAITE Ausra (Frankfurt, GERMANY), SARAH Almaawi (Frankfurt, GERMANY), GHANAATI Shahram (Frankfurt, GERMANY), MAGINI Ricardo (Florianopolis, BRAZIL), SCHWARZ Frank (Frankfurt, GERMANY)

**BR-048 (0DMOU) Long-term stability and fracture resistance of zirconia-composite based ceramic implants**

HARLASS Markus (Freiburg, GERMANY), VACH Kirstin (Freiburg, GERMANY), KOHAL Ralf-Joachim (Freiburg, GERMANY)

**BR-049 (117AW) Gradual complement protein adsorption and macrophage polarization: inflammation & dental implants**

ROMERO-GAVILÁN Francisco (Castelló De La Plana, SPAIN), CERQUEIRA Andreia (Castelló De La Plana, SPAIN), ARAÚJO-GOMES Nuno (Enschede, NETHERLANDS), GARCÍA-ARNÁEZ Iñaki (San Sebastián, SPAIN), MARTÍNEZ- RAMOS Cristina (Castelló De La Plana, SPAIN), AZKARGORTA Mikel (Derio, SPAIN), ELORTZA Félix (Derio, SPAIN), OZTURAN Seda (Isatambul, TURKEY), MARTÍN DE LLANO José javier (Valencia, SPAIN), GURRUCHAGA Mariló (San Sebastián, SPAIN), GOÑI Isabel (San Sebastián, SPAIN), SUAY ANTÓN Julio (Castelló De La Plana, SPAIN)

**BR-050 (HYX1J) Implantoplasty seems to increase the fracture risk of narrow TL implants during normal chewing**

STAVROPOULOS Andreas (Malmö, SWEDEN), BERTL Kristina (Malmö, SWEDEN), ISIDOR Flemming (Aarhus, DENMARK), VULT VON STEYERN Per (Malmö, SWEDEN)

**BR-051 (OVDL5) Spin in the abstracts of randomized controlled trials in oral implantology: A cross-sectional analysis**

WU Xinyu (Wuhan, CHINA), YAN Qi (Wuhan, CHINA), HUA Fang (Wuhan, CHINA), SHI Bin (Wuhan, CHINA)

**BR-052 (AZ227) Comparison of electron beam melting fabrication of irregularity porous Ti-6Al-4V and Ti-24Nb-4Zr-8Sn titanium alloy Scaffolds: cytocompatibility and osteogenesis**

WANG Chao (Guangzhou, CHINA), YU Dongsheng (Guangzhou, CHINA)

**BR-053 (HD44I) Evaluation of hydrophilic hydrogel prepared using Cissus quadrangularis in enhancing osseointegration of dental implants- a preliminary research in rabbits.**

RICHA ROY Treasa (Bangalore, INDIA), NELOGI Santosh (Belgaum, INDIA), RAMESH Choudhary (Bangalore, INDIA)

**BR-054 (DRJNY) Laboratory assessment of the accuracy of two different resins designed for 3D printing for cast metal frameworks and suprastructures.**

KATSAROV Stoyan (Varna, BULGARIA), PENCHEV Preslav (Varna, BULGARIA)

**BR-055 (NRYKU) Osseointegration of implants placed in the maxillary sinus with a surface modified by conditioning with and without  $\beta$ -tricalcium- phosphate deposition**

HADAD Henrique (Araçatuba, BRAZIL), SIMÔES Ana paula (Araçatuba, BRAZIL), JESUS Kátia gonçalves (Araçatuba, BRAZIL), JESUS Laís kawamata (Araçatuba, BRAZIL), SANTOS Ana Flávia (Araçatuba, BRAZIL), CERVANTES Lara cristina cunha (Araçatuba, BRAZIL), PADILHA-SILVA Nelson (Jundiaí, BRAZIL), POLI Pier Paolo (Milan, ITALY), GARCIA-JÚNIOR Idelmo (Araçatuba, BRAZIL), SOUZA Francisley Ávila (Araçatuba, BRAZIL)



**BR-056 (422EI) Osteoblasts behavior on macrotextured zirconia implant surfaces by Nd:YAG laser – in vitro study**

CRUZ Mariana (Lisboa, PORTUGAL), FERNANDES Beatriz (Lisboa, PORTUGAL), MARQUES Joana (Lisboa, PORTUGAL), MADEIRA Sara (Braga, PORTUGAL), CARVALHO Oscar (Braga, PORTUGAL), SILVA Filipe (Braga, PORTUGAL), MATA António (Lisboa, PORTUGAL), CARAMÊS João (Lisboa, PORTUGAL)

**BR-057 (F4D9V) Pre-freezing conditions of octacalcium phosphate and collagen composite influence bone augmentation**

KAMAKURA Shinji (Sendai, JAPAN), YANAGISAWA Toshiki (Sendai, JAPAN), YASUDA Ayato (Sendai, JAPAN), MAKKONEN Ria (Tampere, FINLAND)

**BR-058 (5J9AV) The critical cases of posterior maxilla: the lack of cortical bone versus short plateau implants success.**

LINETSKIY Igor (Prague, CZECH REPUBLIC), DEMENKO Vladislav (Kharkov, UKRAINE), NESVIT Vitalij (Kharkov, UKRAINE), LINETSKA Larysa (Kharkov, UKRAINE), YEFREMOV Oleg (Kharkov, UKRAINE), JAYAKUMAR Abilash (Kharkov, UKRAINE)

**BR-059 (NVSrw) How do mini implants move in the bone? A microcomputed tomographic analysis in the rat tail**

KHALAPH Silava (Bad Oeynhausen, GERMANY), SCHWARZ Frank (Frankfurt, GERMANY), RAUCH Nicole (Düsseldorf, GERMANY), MIHATOVIC Ilja (Düsseldorf, GERMANY), NIENKEMPER Manuel (Düsseldorf, GERMANY), HÜFNER Mira (Düsseldorf, GERMANY), DRESCHER Dieter (Düsseldorf, GERMANY), BECKER Kathrin (Düsseldorf, GERMANY)

**BR-060 (YJDAS) In vitro assessment of digital implant impressions accuracy using artificial landmarks**

GEDRIMIENE Agne (Vilnius, LITHUANIA), RUTKUNAS Vygandas (Vilnius, LITHUANIA), GENDVILIENE Ieva (Vilnius, LITHUANIA), PLETKUS Justinas (Vilnius, LITHUANIA), AUSKALNIS Liudas (Vilnius, LITHUANIA), JEGELEVICIUS Darius (Kaunas, LITHUANIA), AKULAUSKAS Mykolas (Kaunas, LITHUANIA), BARAUSKIS Dainius (Kaunas, LITHUANIA), DIRSE Julius (Vilnius, LITHUANIA), BILIUS Vytautas (Vilnius, LITHUANIA)

**BR-061 (55PT1) Scanner type and scan body position effects on the complete-arch digital implant scan accuracy**

ÇAKMAK Gülce (Mexico City, MEXICO), YILMAZ Hakan (Istanbul, TURKEY), TREVIÑO SANTOS Alejandro (Mexico City, MEXICO), KÖKAT Ali murat (Istanbul, TURKEY), YILMAZ Burak (Columbus, USA)

**BR-062 (07IG1) Sutures and knots resistance to traction: an in vitro study**

TIRONI Francesco (Milan, ITALY), AZZOLA Francesco (Milan, ITALY), MORANDI Benedetta (Milan, ITALY), BERTI Francesca (Milan, ITALY), ORLANDO Francesco (Milan, ITALY), VILLA Tomaso (Milan, ITALY), FRANGETTI Luca (Milan, ITALY)

**BR-063 (1HOK3) A modal analysis of a splinted and a NO-splinted superstructure on the three-ranged dental implants placed in a mandibular free end model**

SASAKI Takahiro (Bunkyo-Ku, JAPAN), NAKATA Hidemi (Bunkyo-Ku, JAPAN), SUZUKI Akihiro (Bunkyo-Ku, JAPAN), KASUGAI Shohei (Bunkyo-Ku, JAPAN), KURODA Shinji (Bunkyo-Ku, JAPAN)

**BR-064 (00VW8) Bone grafting and Bicon SHORT® implants success: impact of resultant bone quality.**

DEMENKO Vladislav (Kharkov, UKRAINE), LINETSKIY Igor (Prague, CZECH REPUBLIC), LINETSKA Larysa (Kharkov, UKRAINE), NESVIT Vitalij (Kharkov, UKRAINE), YEFREMOV Oleg (Kharkov, UKRAINE), JAYAKUMAR Abilash (Kharkov, UKRAINE)

**BR-065 (049OX) Clinical outcomes of pterygoid implants: Systematic review and metaanalysis**

ARAUJO Rafael (Itabuna, BRAZIL), MOREIRA Rosivaldo (Goiania, BRAZIL), FLÁVIO Neves (Uberlandia, BRAZIL), CURI Marcos (São Paulo, BRAZIL)

**BR-066 (EYB7T) EVALUATION OF THE ASSOCIATION OF ENAMEL MATRIX DERIVED PROTEINS TO BIPHASIC CALCIUM PHOSPHATE**

MAUAD DE ABREU Fernando Antônio (Belo Horizonte, BRAZIL), CALIJORNE LOURENÇO Ana paula (Belo Horizonte, BRAZIL), GONÇALVES AMARAL Gabriel (Belo Horizonte, BRAZIL), FERNANDES DE MATOS Anne karoline (Belo Horizonte, BRAZIL), SANTOS SILVA Fernanda aparecida (Belo Horizonte, BRAZIL), VILLAMARIN SOARES Rodrigo (Belo Horizonte, BRAZIL)

**BR-067 (IKWB9) Lateral augmentation with different compositions of demineralized bovine bone mineral and autogenous bone graft.**

ALUDDEN Hanna (Aalborg, DENMARK), MORDENFELD Arne (Uppsala, SWEDEN), DAHLIN Christer (Göteborg, SWEDEN), HALLMAN Mats (Gävle, SWEDEN), SPIN-NETO Rubens (Aarhus, DENMARK), CEDERLUND Andreas (Stockholm, SWEDEN), STARCH-JENSEN Thomas (Aalborg, DENMARK)

**BR-068 (YA522) Osteoblast behavior on laser-grooved zirconia implant surfaces with different dimensions**

MARQUES Joana (Lisboa, PORTUGAL), CRUZ Mariana (Lisboa, PORTUGAL), FERNANDES Beatriz (Lisboa, PORTUGAL), MADEIRA Sara (Braga, PORTUGAL), CARVALHO Oscar (Braga, PORTUGAL), SILVA Filipe (Braga, PORTUGAL), CARAMÊS João (Lisboa, PORTUGAL), MATA António (Lisboa, PORTUGAL)

**BR-069 (5KQ94) Short ( $\leq 8$ mm) dental implants: An overview of systematic reviews**

PAULETTO Patricia (Florianópolis, BRAZIL), RUALES-CARRERA Edwin (Florianopolis, BRAZIL), MEZZOMO Luis (Florianópolis, BRAZIL), TABA Mario (São Paulo, BRAZIL), GONÇALVES Reginaldo (Quebec, CANADA), FLORES-MIR Carlos (Edmonton, CANADA), DE LUCA CANTO Graziela (Florianópolis, BRAZIL)

**BR-070 (CD03G) Survival and complications of CAD/CAM fabricated abutment-crowns supported by titanium bases**

PITTA João (Geneva, SWITZERLAND), HJERPPE Jenni (Turku, FINLANDE), BURKHARDT Felix (Geneva, SWITZERLAND), FEHMER Vincent (Geneva, SWITZERLAND), MOJON Philippe (Geneva, SWITZERLAND), SAILER Irena (Geneva, SWITZERLAND)

**BR-071 (4DIW9) Demystifying Dental implants in head and neck oncology patients**

ALSAGGAF Arwa U. (London, UK), FENLON Michael r (London, UK), PAOLINELIS George (London, UK), MCGREGOR Scott (Dundee, UK), KARJIKAR Aroob Essa (London, UK)

**BR-072 (3XG9I) Effect of thermo-mechanical dynamic loading on the retention of metallic and NO-metallic telescopic mandibular overdentures**

ELKABBANY Aya (Kiel, GERMANY), KERN Matthias (Kiel, GERMANY), WILLE Sebastian (Kiel, GERMANY), CHAAR M. sad (Kiel, GERMANY)

**BR-073 (VAQMS) Standardized bone micro-morphometry around murine teeth – a micro-CT study**

TRELENBERG-STOLL Viktoria (Düsseldorf, GERMANY), DRESCHER Dieter (Düsseldorf, GERMANY), WOLF Michael (Aachen, GERMANY), BECKER Kathrin (Düsseldorf, GERMANY)

**BR-074 (LZH7S) A full mouth rehabilitation with the use of 16 implants and 2 CAD/CAM zirconia constructions - a complex surgical and implant-prosthetic treatment. A case report**

POPINSKI Jacek (Warszawa, POLAND)

**BR-075 (S0QIK) Effects of Collagen Membranes with Different Properties in Peri-implant Dehiscence Defects**

DOGAN Aylin (Istanbul, TURKEY), COSKUN Zeynep (Istanbul, TURKEY), TÖRE Cem (Istanbul, TURKEY), GULTEKIN Alper (Istanbul, TURKEY), CİNAR Caglar (Istanbul, TURKEY), SAGLANMAK Alper (Istanbul, TURKEY), YALCIN Serdar (Istanbul, TURKEY)

**BR-076 (ELBGG) In vitro degradation of magnesium as potential bone substitute in the presence of titanium and PEEK implants**

ZIMMERMANN Tycho (Berlin, GERMANY), MÜLLER Wolf Dieter (Berlin, GERMANY), SCHWITALLA Andreas (Berlin, GERMANY)

**BR-077 (14Q4H) The Effect of Ceramic and Conventional Implant Drill Materials on Heat Generation in Osteotomy Sites**

CHAKRABORTY Shreyasi (Birmingham, UK), MOUFTI M adel (Sharjah, ÉMIRATS ARABES UNIS), SEOUDI Noha (Birmingham, UK), PISANI Flavio (Birmingham, UK), ALMASRI Maher (Birmingham, UK)

**BR-078 (A4Z0I) STRESS DISTRIBUTION WITH EXTRA SHORT IMPLANTS IN AN ANGLED FRICTIONAL SYSTEM: IN SILICO ANALYSIS**

Rendohl Edelcio (Sao Paulo, BRAZIL), BRANDT William (Sao Paulo, BRAZIL)

**BR-079 (ESGZC) THE PERI-IMPLANT MUCOSA AT IMPLANTS WITH TWO DIFFERENT GEOMETRIES OF THE TRANSMUCOSAL AREA: A RANDOMIZED CONTROLLED EXPERIMENTAL IN VIVO INVESTIGATION**

PALOMBO David (Madrid, SPAIN), VIGNOLETTI Fabio (Madrid, SPAIN), SANZ ESPORRIN Javier (Madrid, SPAIN), NUÑEZ Javier (Madrid, SPAIN), SANZ Mariano (Madrid, SPAIN)

**BR-080 (5GF73) Abutment election and its importance on implant prognosis**

CRISTOFARI Paul Edouard (Nice, FRANCE)

**BR-081 (OWL7B) Osteogenic and antimicrobial behaviour of surface functionalized titanium implant with gold nanoparticles. An in vitro study.**

NELOGI Santosh (Belgaum, INDIA), AMBI Maheshwari (Belgaum, INDIA), KAUR Kiran (Belgaum, INDIA)

**BR-082 (190BA) Peri-implant mucosal tissue thickness influence on peri-implant bone changes.**

APSE Ingus Arnolds (Riga, LATVIA), LACIS Rihards (Riga, LATVIA), GONCAROVA Alina (Riga, LATVIA), APSE Pēteris (Riga, LATVIA), PAPARDE Arturs (Riga, LATVIA), SALMS Girts (Riga, LATVIA)

**BR-083 (Q51F0) Ex-vivo comparison of three different gingival phenotype assessment methods – preliminary results**

FISCHER Kai (Zurich, SWITZERLAND), BÜCHEL Jasmin (Zurich, SWITZERLAND), SCHMIDLIN Patrick (Zurich, SWITZERLAND)

**BR-084 (803ET) Osteoblast and fibroblast response to plasma-functionalized implant surfaces in vitro**

RABEL Kerstin (Freiburg, GERMANY), KOHAL Ralf-Joachim (Freiburg, GERMANY), STEINBERG Thorsten (Freiburg, GERMANY), ADOLFSSON Erik (Möln dal, SWEDEN), ALTMANN Brigitte (Freiburg, GERMANY)

**BR-085 (9W3RG) The biofilm removal effect of MnO<sub>2</sub>-diatom microbubbler on the Dental Prosthetic Surfaces**

KIM Myung-Joo (Seoul, REPUBLIC OF KOREA), LEE Eun-hyuk (Seoul, REPUBLIC OF KOREA), YEO In-sung (Seoul, REPUBLIC OF KOREA), KWON Ho-beom (Seoul, REPUBLIC OF KOREA), LIM Young-jun (Seoul, REPUBLIC OF KOREA), KOAK Jai-young (Seoul, REPUBLIC OF KOREA), HEO Seong-joo (Seoul, REPUBLIC OF KOREA)

**BR-086 (OB5EC) Dental Implant Treatments Made Appealing**

PAKZAD Pedram (Isfahan, IRAN)

**BR-087 (2L83W) Evaluation of photofunctionalization and symphytum officinale (Comfrey) surface treatment on osseointegration- An in-vitro study**

KHAN Ovais (Belgaum, INDIA), NELOGI Santosh (Belgaum, INDIA), NAYAKAR Ramesh (Belgaum, INDIA), PATIL Anandkumar g (Belgaum, INDIA)

**BR-088 (LTYZB) Titanium Implant Surfaces Characterization After Different Surface Treatments**

ALMEIDA Tiago (Porto, Portugal), ALVES Alexandra (Guimarães, PORTUGAL), TOPTAN Fatih (Guimarães, PORTUGAL), HERRERO Mariano (Sevilla, SPAIN), VAZ Paula (Porto, PORTUGAL), SAMPAIO-FERNANDES João (Porto, PORTUGAL)

**BR-089 (K91MA) Implants made from a novel zirconia material osseointegrate faster than titanium implants. An animal investigation**

KOHAL Ralf-Joachim (Freiburg, GERMANY), ADOLFSSON Erik (Möln dal, SWEDEN), CHOPARD-LALLIER Anne-lise (Sallanches, FRANCE), BRUYERE-GARNIER Karine (Lyon, FRANCE), FÜRDERER Tobias (Dortmund, GERMANY), SCHOMER Sven (Dortmund, GERMANY), COURTOIS Nicolas (Sallanches, FRANCE)

**BR-090 (EUOBL) EVALUATION OF THE SURFACE TOPOGRAPHY OF THE COLLAGEN MEMBRANES BY SCANNING ELECTRON MICROSCOPY**

MAUAD DE ABREU Fernando Antônio (Belo Horizonte, BRAZIL), G. ZENÓBIO Elton (Belo Horizonte, BRAZIL), BORGES SILVA Gerluzia aparecida (Belo Horizonte, BRAZIL), JORGE Erika cristina (Belo Horizonte, BRAZIL)

## **Clinical innovations**

### **CI-001 (VVD93) Effect of extracellular matrix on bone regeneration with 3D printed polylactic acid scaffolds**

VITOSYTE Milda (Vilnius, LITHUANIA), GENDVILIENE Ieva (Vilnius, LITHUANIA), SIMOLIUNAS Egidijus (Vilnius, LITHUANIA), ALKSNE Milda (Vilnius, LITHUANIA), RASTENIENE Ruta (Vilnius, LITHUANIA), ZALECKAS Linas (Vilnius, LITHUANIA), BUKELSKIENE Virginija (Vilnius, LITHUANIA), RUTKUNAS Vygasdas (Vilnius, LITHUANIA)

### **CI-002 (3F5Q1) Effects of bioresorbable magnesium-based materials on bone healing: a preclinical study in a large growing-animal model.**

HERBER Valentin (Graz, AUSTRIA), CLEMENT B (Graz, AUSTRIA), HOLWEG Patrick (Graz, AUSTRIA), DONOHUE Nicholas (Graz, AUSTRIA), SCHWARZE Uwe yacine (Graz, AUSTRIA), SOMMER Nicole (Graz, AUSTRIA), WEINBERG Annelie-martina (Graz, AUSTRIA)

### **CI-003 (ALSA0) 12 years of clinical experience with gold shaded titanium abutments**

STEVING Helmut (Gernsbach, GERMANY), DE SAN JOSÉ GONZÁLEZ José (Weinheim, GERMANY)

### **CI-004 (R9XH2) BUCCAL TISSUE AUGMENTATION WITH A SUGAR CROSS-LINKED COLLAGEN MATRIX: A CASE SERIES STUDY.**

ABUNDO Roberto (Turin, ITALY), DI DOMENICO Andrea (Turin, ITALY), PERELLI Michele (Turin, ITALY)

### **CI-005 (E5OC5) 3D planning of ear prosthesis and navigated flapless surgery for craniofacial implants: a pilot study.**

CIOCCA Leonardo (Bologna, ITALY), PELLEGRINO Gerardo (Bologna, ITALY), MARCHETTI Claudio (Bologna, ITALY), TARSITANO Achille (Bologna, ITALY)

### **CI-006 (U2XG3) A Study on the Effective Cleaning of Healing Abutment using Healing Abutment Case**

KIM Hyeonkyeong (Yongin-Si, REPUBLIC OF KOREA), Na Chaejin (Yongin-Si, REPUBLIC OF KOREA), SONG Younggyun (Cheonan-Si, REPUBLIC OF KOREA), HA Seungryoung (Yongin-Si, REPUBLIC OF KOREA), CHO Inho (Yongin-Si, REPUBLIC OF KOREA)

### **CI-007 (N38OS) Advanced Surgical Navigation System using Augmented Reality Technology**

TAKEBAYASHI Akira (Okegawa, JAPAN), KANO Toru (Tokyo, JAPAN)

### **CI-008 (Q37PY) Use of hens eggshell-derived Anti Bacterial Photodynamic hydrogel as a novel bone graft substitute—A randomized controlled clinical study**

NELOGI Santosh (Belgaum, INDIA), AMBI Maheshwari (Belgaum, INDIA)

**CI-009 (Q1SM9) Versatility of Direct Implant Valve Approach in Misch class IV posterior maxilla: A clinical study.**

ISMAEIL Ahmed (Qena, EGYPT)

**CI-010 (YC8RA) Computer-guided implant placement and full-arch immediate loading with digitally prefabricated provisional prostheses without model: a prospective pilot case series.**

MAKAROV Nikolay (Rome, ITALY), POMPA Giorgio (Rome, ITALY), PAPI Piero (Rome, ITALY)

**CI-011 (UE0VW) Recommendations for dentists during COVID-19**

GURZAWSKA-COMIS Kasia (Birmingham, UK), BECKER Kathrin (Düsseldorf, GERMANY), GIULIA Brunello (Padova, ITALY), AGATA Gurzawska (Dublin, IRLANDE), SCHWARZ Frank (Frankfurt, GERMANY)

**CI-012 (VEGVX) Composite block sponge proved facilitating bone augmentation**

FRIEDMANN Anton (Witten, GERMANY), GOETZ Werner (Bonn, GERMANY)

**CI-013 (JN2ZE) Reinforced PMMA in Full Arch Implant-supported Reconstruction: Toward access to Care**

STEEN Gary (Phoenix, USA)

## Clinical research – peri-implant biology

### **PIB-001 (30D43) THE EFFICACY OF SUBCRESTAL IMPLANT PLACEMENT VERSUS FLATTENING OF THE ALVEOLAR RIDGE IN PRESERVING STABLE PERI-IMPLANT BONE: A COMPARATIVE CLINICAL STUDY**

VELJANOVSKI Darko (Skopje, MACEDONIA), PAPRANIKU Krenar (Tetovo, MACEDONIA), SPIROV Vancho (Skopje, MACEDONIA), BAFTIJARI Denis (Tetovo, MACEDONIA), SUSAK Zoran (Ohrid, MACEDONIA), ATANASOVSKA STOJANOVSKA Aneta (Skopje, MACEDONIA)

### **PIB-002 (Y9ZG9) Osseointegration of a sandblasted and etched titanium alloy surface in type IV bone: a human histologic evaluation**

KIM David m (Boston, USA), SZMUKLER-MONCLER Serge (Misgav, ISRAEL), PARMA BENFENATI Stefano (Ferrara, ITALY), SAVA Cosmin (Bistrita, ROUMANIE), NEVINS Myron (Boston, USA)

### **PIB-003 (6P6M9) Peri-implant conditions of short and ultra-short implants placed in perio and NO-perio patients.**

LOMBARDO Giorgio (Verona, ITALY), SIGNORIELLO Annarita (Verona, ITALY), MARINCOLA Mauro (Cartagena, COLOMBIE), CORROCHER Giovanni (Verona, ITALY), SERPA ROMERO Xiomara (Santa Marta, COLOMBIE), NOCINI Pier francesco (Verona, ITALY)

### **PIB-004 (VICSE) Marginal bone loss in association with different vertical implant positions**

NAM Bo-Ram (Daejeon, REPUBLIC OF KOREA), KIM Yeon-tae (Daejeon, REPUBLIC OF KOREA), LEE Jae-hong (Daejeon, REPUBLIC OF KOREA), JEONG Seong-nyum (Daejeon, REPUBLIC OF KOREA)

### **PIB-005 (BWC3Q) Incidence of peri-implant disease in patients with maxillary overdentures during a 10-year follow-up**

ONCLIN Pieter (Groningen, NETHERLANDS), SLOT Wim (Groningen, NETHERLANDS), VISSINK Arjan (Groningen, NETHERLANDS), MEIJER Henny (Groningen, NETHERLANDS), RAGHOEBAR Gerry (Groningen, NETHERLANDS)

### **PIB-006 (QRNX5) Clinical radiographic and immunological effects of surgical treatment of peri-implantitis 1-year longitudinal clinical study**

MOURA Guilherme (Niterói, BRAZIL), FISCHER Ricardo (Niterói, BRAZIL)



**PIB-007 (2LIJK) THE IMPACT OF IMPLANT ABUTMENT PREPARATION ON PROLIFERATION OF HUMAN GINGIVAL FIBROBLASTS**

LIAUDANSKAITE Dominyka (Vilnius, LITHUANIA) , BORUSEVICIUS Rokas (Vilnius, LITHUANIA), RUTKUNAS Vygasdas (Vilnius, LITHUANIA), BUKELSKIENE Virginija (Vilnius, LITHUANIA), ALKSNE Milda (Vilnius, LITHUANIA), SIMOLIUNAS Egidijus (Vilnius, LITHUANIA), GENDVILIENE Ieva (Vilnius, LITHUANIA), JURGAITYTE Rugile (Vilnius, LITHUANIA)

**PIB-008 (KXZXK) Tooth movement adjacent to single anterior maxillary implants after 14-20 year follow-up.**

WINITSKY Nicole (Stockholm, SWEDEN) , NEDELICU Robert (Uppsala, SWEDEN), JEMT Torsten (Gothenburg, SWEDEN), SMEDBERG Jan-ivan (Stockholm, SWEDEN)

**PIB-009 (LNUKW) Effect of rhBMP-2 on contact osteogenesis: An in vivo experiment using rabbit tibiae**

KIM Ung-Gyu (Seoul, REPUBLIC OF KOREA) , LIM Young-jun (Seoul, REPUBLIC OF KOREA), KWON Ho-beom (Seoul, REPUBLIC OF KOREA), KIM Myung-Joo (Seoul, REPUBLIC OF KOREA), YEO In-sung (Seoul, REPUBLIC OF KOREA)

**PIB-010 (PBIE1) Five-year survival of short and ultra-short implants placed in the posterior maxilla and mandible.**

LOMBARDO Giorgio (Verona, ITALY), SIGNORIELLO Annarita (Verona, ITALY), MARINCOLA Mauro (Cartagena, COLOMBIE), LIBONI Pietro (Verona, ITALY), PIGHI Jacopo (Verona, ITALY), VILA SIERRA Luis armando (Santa Marta, COLOMBIE), NOCINI Pier francesco (Verona, ITALY)

**PIB-011 (HGVPN) Influence of magnetized abutment on biological seal of the implant–soft tissue interface by reconstructed human gingiva (RHG) model.**

AMBI Maheshwari (Belgaum, INDIA) NELOGI Santosh (Belgaum, INDIA)

**PIB-012 (JN2AS) Prevalence of peri-implant disease in fixed full-arch implant-supported with internal conical connection a clinical and radiographic analysis: preliminary data**

MICHELS Roberta (Florianópolis, BRAZIL), CORRÊA Bruna (Florianópolis, BRAZIL), BENFATTI Cesar (Florianópolis, BRAZIL), APAZA-BEDOYA Karin (Florianópolis, BRAZIL), DIAS Madalena (Florianópolis, BRAZIL), RUALES-CARRERA Edwin (Florianópolis, BRAZIL), BIANCHINI Marco Aurélio (Florianópolis, BRAZIL)

**PIB-013 (7Y9VZ) The effect of ceramic reinforced polyether-ether- ketone (PEEK) abutments on peri-implant tissues: a randomized controlled clinical trial – preliminary data.**

KOLLER Martin (Graz, AUSTRIA), SPRINZ Alexander (Graz, AUSTRIA), FRANCISCO Helena (Lisbon, PORTUGAL), CHEN Andre (Lisbon, PORTUGAL), STEYER Elisabeth (Graz, AUSTRIA), THEISEN Kerstin (Graz, AUSTRIA), SOKOLOWSKI Alwin (Graz, AUSTRIA), AREFNIA Behrouz (Graz, AUSTRIA), JAKSE Norbert (Graz, AUSTRIA), PAYER Michael (Graz, AUSTRIA)

**PIB-014 (03IXP) The influence of simultaneous lateral grafting on clinical outcomes following one-stage implant placement A cross-sectional analysis**

RAMANAUSKAITE Ausra (Frankfurt Am Main, GERMANY), Obreja Karina (Frankfurt Am Main, GERMANY), BEGIC Amira (Frankfurt Am Main, GERMANY), PARVINI Puria (Frankfurt Am Main, GERMANY), SCHWARZ Frank (Frankfurt Am Main, GERMANY)

**PIB-015 (2TYW4) Colorvue biotype probe – A new method for the assessment of the gingival thickness?**

BERTL Kristina (Malmö, SWEDEN), AL-HOTHEIRY Mehdi (Malmö, SWEDEN), SUN David (Malmö, SWEDEN), OLOFSSON John (Malmö, SWEDEN), LETTNER Stefan (Vienna, AUSTRIA), GOTFREDSSEN Klaus (Copenhagen, DENMARK), STAVROPOULOS Andreas (Malmö, SWEDEN)

**PIB-016 (K3YYC) IMPLANTS WITH CONICAL AND PLATFORM SWITCHING CONNECTION: A COHORT STUDY WITH 5 YEARS OF FOLLOW-UP**

PALAZZOLO Antonino (Milano, ITALY), ROSSI Alessandro (Milan, ITALY), LOPS Diego (Milan, ITALY)

**PIB-017 (IKSSZ) Changes of the atrophic maxillary alveolar bone and treatment success 10 years after placement of implants simultaneously with transalveolar sinus floor elevation; A retrospective analysis**

HEINEN Franka (Bonn, GERMANY), MIZANI Iman (Lausanne, SWITZERLAND), BROESELER Frank (Aachen, GERMANY)

**PIB-018 (UK41F) Influence of diabetes on implant failure and peri-implant diseases**

MORANDI Paolo (Milan, ITALY), ALBERTI Alice (Milan, ITALY), CORBELLA Stefano (Milan, ITALY), FRASCOLINO Caterina (Milan, ITALY), FRANGETTI Luca (Milan, ITALY)

**PIB-019 (VS1PZ) Osseointegration around laser modified surface implants with and without hydroxyapatite coating. Topographic characterization and biomechanical analyze**

SOUZA Francisley Ávila (Araçatuba, BRAZIL), CAPALBO-SILVA Rodrigo (Araçatuba, BRAZIL), QUEIROZ Thallita pereira (Araraquara, BRAZIL), OKAMOTO Roberta (Araçatuba, BRAZIL), OLIVEIRA Sandra helena penha (Araçatuba, BRAZIL), GUASTALDI Anatônio carlos (Araraquara, BRAZIL), HADAD Henrique (Araçatuba, BRAZIL), SANTOS Ana flávia piquera (Araçatuba, BRAZIL), JESUS Laís kawamata (Araçatuba, BRAZIL), POLI Pier paolo (Milan, ITALY)

**PIB-020 (IWULT) The effect of soft tissue thickness on crestal bone loss of early loaded implants**

SAGLANMAK Alper (Istanbul, TURKEY), GULTEKIN Alper (Istanbul, TURKEY), CİNAR Caglar (Istanbul, TURKEY), KARABUDA Cuneyt (Istanbul, TURKEY), SZMUKLER-MONCLER Serge (Misgav, ISRAEL)

**PIB-021 (HWIH7) Implant and prosthetic factors associated to peri-implantitis prevalence**

BIANCHINI Marco Aurélio (Florianópolis, BRAZIL), APAZA-BEDOYA Karin (Florianópolis, BRAZIL), CORRÊA Bruna (Florianópolis, BRAZIL), GALARRAGA VINUEZA Maria Elisa (Florianópolis, BRAZIL), ESCOBAR Mario (Florianópolis, BRAZIL), BENFATTI Cesar (Florianópolis, BRAZIL)

**PIB-022 (FBSSY) INFLUENCE OF RIDGE PRESERVATION ON MARGINAL BONE LOSS IN SINGLE UNIT IMPLANT RESTORATIONS**

ZLATEV Stefan (Plovdiv, BULGARIA), IVANOVA Vasilena (Plovdiv, BULGARIA), CHENCHEV Ivan (Plovdiv, BULGARIA), TODOROV Rangel (Sofia, BULGARIA), CHENCHEV Lubomir (Plovdiv, BULGARIA)

**PIB-023 (92IOS) Prevalence of peri-implantitis in long term follow-up of 397 patients with 841 implants in private office**

CARLS Peter F. (Lugano Pregassona, SWITZERLAND), ZITZMANN Nicola u. (Basel, SWITZERLAND), BERNASCONI Marco (Zurich, SWITZERLAND), CARINCI Francesco (Ferrara, ITALY), CANDOTTO Valentina (Ferrara, ITALY), LAWRENCE Mark (Wallingford / Oxfordshire, UK), WILLE Jens (Oxford, UK), MORRIS Carlton (Aylesbury, Oxfordshire, UK), WINTER Joel (Oxford, UK), MOLYNEUX Dan (Oxford, UK), SHINH Arjun (Bicester, Oxfordshire, UK), PATSOURAKOS Agis (Oxford, UK), PINKERTON Stuart (Wallingford, Oxfordshire, UK), LAMBRECHT J. thomas (Basel, SWITZERLAND)

**PIB-024 (P7P0L) The prevalence of peri-implant disease for subcrestally inserted implants: A cross sectional study**

Obreja Karina (Frankfurt, GERMANY), RAMANAUSKAITE Ausra (Frankfurt, GERMANY), BEGIC Amira (Frankfurt, GERMANY), GALARRAGA VINUEZA Maria Elisa (Quito, EQUADOR), SADER Robert (Frankfurt, GERMANY), SCHWARZ Frank (Frankfurt, GERMANY)

**PIB-025 (NL6QV) Marginal bone maintenance around implants placed in subcrestal level: a 2 to 9 years retrospective study**

LOPS Diego (Milan, ITALY), PALAZZOLO Antonino (Milano, ITALY), ROMEO Eugenio (Milan, ITALY)

**PIB-026 (CZUHN) Comparison of two abutment connection in immediate loading in edentulous arch. One year follow up.**

VASINA Michele (Rome, ITALY), GHIRLANDA Giovanni (Rome, ITALY), MATÈ SANCHEZ DE VAL José eduardo (Murcia, SPAIN), BORGONOVO Andrea enrico (Milan, ITALY)

**PIB-027 (HTVZG) Healing events observed in diabetic and NO-diabetic patients after placement of narrow-diameter implants in posterior edentulous maxilla or mandible – a case control study.**

DIEHL Daniel (Wetter, GERMANY), BILHAN Hakan (Witten, GERMANY), FRIEDMANN Anton (Witten, GERMANY)

**PIB-028 (IC85R) Local tissue effects and peri-implant bone original architecture recovery induced by implants micro- and nanotopography: an in vivo study in the sheep**

ROUSSEAU Nicolas (La Rochelle, France), MSOLLI Inès (La Rochelle, FRANCE), CHABRAND Patrick (Marseille, FRANCE), DESTAINVILLE Arnaud (La Rochelle, FRANCE), RICHART Olivier (La Rochelle, FRANCE), MILAN Jean-IESs (Marseille, FRANCE)

**PIB-029 (LEGK6) The prevalence of peri-implant disease following immediate implant placement and loading A cross-sectional analysis after 2 to 10-years**

PARVINI Puria (Frankfurt Am Main, GERMANY), Obreja Karina (Frankfurt Am Main, GERMANY), BECKER Kathrin (Düsseldorf, GERMANY), BEGIC Amira (Frankfurt Am Main, GERMANY), SCHWARZ Frank (Frankfurt Am Main, GERMANY), RAMANAUSKAITE Ausra (Frankfurt Am Main, GERMANY)

**PIB-030 (KWN4B) Comparison of Crestal Bone Changes Bucco-Lingually after Immediate and Delayed Implant Placement: A Clinico-Radiographic Study**

KAUR Harjot (Ahmedabad, INDIA), KUMAR Santosh (Ahmedabad, INDIA)

**PIB-031 (SJ3Z8) Improving the soft tissue in the mandibular lateral area by using the short gingivaformer and collagen fleece**

OBĂDAN Florian (Alexandria, ROMANIA), BUCUR Mihai (Bucharest, ROMANIA), LAMBRACHE Anamaria (Targu Jiu, ROMANIA), AWONUSI Olaitan (Ulm, GERMANY)

**PIB-032 (BXKIQ) Marginal bone level and biologic width dynamics in tissue-level and bone-level implants**

NOVÁK Zdeněk (Prague, CZECH REPUBLIC), NESVADBA Radim (Prague, CZECH REPUBLIC), STRNAD Jakub (Prague, CZECH REPUBLIC), KAMPRLÉ Jan (Prague, CZECH REPUBLIC), STRNAD Zdeněk (Prague, CZECH REPUBLIC)

**PIB-033 (CVYCL) Wound healing and PMN function at hydrophilic-surface titanium-zirconium implants in diabetic and healthy patients**

KANER Doğan (Witten, GERMANY), BILHAN Hakan (Witten, GERMANY), HAUSER Amelie (Witten, GERMANY), DIEHL Daniel (Witten, GERMANY), FRIEDMANN Anton (Witten, GERMANY)

**PIB-034 (2USN6) The effect of antimicrobial photodynamic therapy in the osseointegration of immediately implants placed in a more compromised healing situation such as ligature-induced periodontitis in dogs.**

REIS Marilia Bianchini Lemos (Ribeirao Preto, BRAZIL), MANDETTA Carolina de moraes rego (Ribeirao Preto, BRAZIL), NOVAES JUNIOR Arthur belém (Ribeirao Preto, BRAZIL)

**PIB-035 (5V07Z) What is the impact of periapical lesions on survival and success of immediately placed implants?**

MUSLU Emre (Antalya, TURKEY), ALTAY Mehmet Ali (Antalya, TURKEY)

**PIB-036 (4RK10) A retrospective study on systemic factors affecting marginal bone loss and success rate of implants**

CHOI Jeongin (Gwangju, REPUBLIC OF KOREA) LEE Eunwoo (Gwangju, REPUBLIC OF KOREA), Kim Bohyun (Gwangju, REPUBLIC OF KOREA), KIM Oksu (Gwangju, REPUBLIC OF KOREA)

**PIB-037 (5S432) Analysis of Implant Associated Medication related osteonecrosis of the jaw: Retrospective clinical study**

JANG Dongkyu (Seoul, REPUBLIC OF KOREA), KIM Jin-Woo (Seoul, REPUBLIC OF KOREA)

**PIB-038 (BQP4U) Comparison of immediately loaded, submerged and transmucosal healed implants: Preliminary results**

SOKOLOWSKI Armin (Graz, AUSTRIA) SOKOLOWSKI Alwin (Graz, AUSTRIA), THEISEN Kerstin (Graz, AUSTRIA), LORENZONI Martin (Graz, AUSTRIA), PAYER Michael (Graz, AUSTRIA), WEGSCHEIDER Walther (Graz, AUSTRIA)

**PIB-039 (XE9L4) 3-year follow-up of the NobelActive implant.**

DE GREEF Alexander (Leuven, BELGIUM), DE MARS Greet (Leuven, BELGIUM), VANDAMME Katleen (Leuven, BELGIUM), COUCKE Wim (Brussels, BELGIUM), TEUGHELIS Wim (Leuven, BELGIUM), QUIRYNEN Marc (Leuven, BELGIUM)

**PIB-040 (8DH8D) Effects of the local administration of antibiotics on bone formation around dental implants in animal models: a systematic review and meta-analysis**

Alenezi Ali (Burydah, SAUDI ARABIA), BRUNO Chrcanovic (Malmö, SWEDEN)

**PIB-041 (AR89U) Osseointegration of implants manufactured in Ti-cp or Ti6Al4V or without modified surface laser ablation. Topographic characterization and biomechanical analysis**

SOUZA Francisley Ávila (Araçatuba, BRAZIL) , JESUS Laís kawamata (Araçatuba, BRAZIL), HADAD Henrique (Araçatuba, BRAZIL), SANTOS Ana flávia piquera (Araçatuba, BRAZIL), QUEIROZ Thallita pereira (Araraquara, BRAZIL), OKAMOTO Roberta (Araçatuba, BRAZIL), POLI Pier paolo (Milan, ITALY), GUASTALDI Anatônio carlos (Araraquara, BRAZIL), MAIORANA Carlo (Milan, ITALY)

**PIB-042 (4BS98) PES in relation to buccal plate thickness and jumping distance: A 8 year cohort retrospective study**

PATIL Ratnadeep (Mumbai, INDIA), DILBAGHI Anjali (Mumbai, INDIA)

**PIB-043 (WGYAG) Zirconia implants: Could they be the future?**

PAPAMANOLI Eirini (Athens, GREECE), TRIANTAFYLLOU Vasiliki Eftychia (Zografos, GREECE), ARAPI Ioulia (Athens, GREECE), CHRISTOPOULOS Panos (Athens, GREECE)

### **Clinical research – prosthetics**

**PR-001 (5TAIK) Evaluation of OHRQoL and patient satisfaction in 3 implant retained mandibular overdentures: A RCT**

KAZI Sana (Mumbai, INDIA), KHEUR Supriya (Pune, INDIA), KHEUR Mohit (Pune, INDIA), Hyder Syed Afifuddin (Pune, INDIA), LAKHA Tabrez (Mumbai, INDIA)

**PR-002 (CV09P) Effect of Implant Crown Cementation Techniques on Residual Cement: A Randomized Clinical Trial**

CORDANOĞLU EREN Nuray (Istanbul, TURKEY), MUHTAROĞULLARI Mehmet (Ankara, TURKEY), AKCA Kivanc (Ankara, TURKEY)

**PR-003 (W7LQB) Five years prosthetic outcome of a mandibular 2-implant overdenture on stud abutment.**

MATTHYS Carine (Ghent, BELGIUM), DOORNEWAARD Ron (Nijmegen, NETHERLANDS), DE BRUYN Hugo (Ghent, BELGIUM)

**PR-004 (SQDXT) INTERPROXIMAL CONTACT LOSS AT IMPLANT SITES: A RETROSPECTIVE STUDY WITH A 10-YEAR FOLLOW-UP**

GASSER Thomas J.W. (Zürich, SWITZERLAND), PAPAGEORGIOU Spyridon (Zurich, SWITZERLAND), ELIADES Ted (Zurich, SWITZERLAND), HÄMMERLE Christoph (Zurich, SWITZERLAND), THOMA Daniel (Zurich, SWITZERLAND)

**PR-005 (4LW4M) A systematic review of the clinical performance of ceramic single crowns and fixed partial dentures on ceramic implants**

SPITZNAGEL Frank (Düsseldorf, GERMANY), BALMER Marc (Zurich, SWITZERLAND), WIEDEMEIER Daniel (Zurich, SWITZERLAND), JUNG Ronald (Zurich, SWITZERLAND), GIERTHMUEHLEN Petra (Düsseldorf, GERMANY)

**PR-006 (KU3HT) "Immediate restoration of immediate implants with delayed functional loading: 5-year results of 2-piece „table-top“ implant crowns (Project Mozart), POMMER Bernhard (Vienna, AUSTRIA), MAILATH-POKORNY Georg (Vienna, AUSTRIA), BUSENLECHNER Dieter (Vienna, AUSTRIA), HAAS Robert (Vienna, AUSTRIA), MILLESI Werner (Vienna, AUSTRIA), FUERHAUSER Rudolf (Vienna, AUSTRIA)**

**PR-007 (DQQSC) Screw-retained monolithic zirconia implant restorations supported by titanium base abutments produced with complete digital work-flow: a retrospective cohort up-to 4-year follow-up**

KARASAN Duygu (Geneva, SWITZERLAND), SAILER Irena (Geneva, SWITZERLAND), DEMIR Fatmanur (Ankara, TURKEY), AKCA Kivanc (Ankara, TURKEY)

**PR-008 (PD8XB) Preliminary results of a randomized controlled trial of submerged vs. NO-submerged dental implants: a split-mouth design**

LIMONES Alvaro (Madrid, SPAIN), MOLINERO-MOURELLE Pedro (Bern, SWITZERLAND), RAMÍREZ Danid (Madrid, SPAIN), SUÁREZ RIVAYA Javier (Madrid, SPAIN), ROMEO-RUBIO Marta (Madrid, SPAIN), GOMEZ-POLO Miguel (Madrid, SPAIN), MARTÍNEZ VÁZQUEZ DE PARGA Juan antonio (Madrid, SPAIN), CELEMÍN Alicia (Madrid, SPAIN)

**PR-009 (9MYHZ) Gingival Support Improves the Accuracy of Intraoral Peri-implant Soft-tissue Scan**

XIONG Jiabi (Wuhan, CHINA) SUN Wei (Wuhan, CHINA), SHI Bin (Wuhan, CHINA)JI Wei (Wuhan, CHINA)

**PR-010 (72X1I) Clinical and radiological performance and complications of zirconia implant bridges up to 12 years on function**

ARCURI Lorenzo (Roma, ITALY), LIO Fabrizio (Rome, ITALY), FABBRI Giacomo (Cattolica, ITALY), SINGER Guido (Merano, ITALY), LONDONO Jimmy (Augusta, USA), POZZI Alessandro (Augusta, USA)

**PR-011 (K9ML5) A retrospective analysis comparing two prosthetic protocols for immediate loading of 328 implants.**

VASINA Michele (Rome, ITALY), GHIRLANDA Giovanni (Rome, ITALY), MATÈ SANCHEZ DE VAL José eduardo (Murcia, ITALY), BORGONOVO Andrea enrico (Milan, ITALY)

**PR-012 (5BE4T) Accuracy of intraoral scans – An in vivo study using different scanning devices.**

KERNEN Florian (Freiburg, GERMANY) , SCHLAGER Stefan (Freiburg, GERMANY), SEIDEL ALVAREZ Veronica (Freiburg, GERMANY), MEHRHOF Jürgen (Berlin, GERMANY), VACH Kirstin (Freiburg, GERMANY), KOHAL Ralf-Joachim (Freiburg, GERMANY), NELSON Kajta (Freiburg, GERMANY), FLÜGGE Tabea (Berlin, GERMANY)

**PR-013 (073KU) Fixed partial restorations made of a new zirconia-reinforced lithium silicate material: a preliminary reporty.**

DEGIDI Marco (Bologna, ITALY), NARDI Diego (Bologna, ITALY), SIGHINOLFI Gianluca (Bologna, ITALY)

**PR-014 (B8CID) Implant component fracture in bone level implants**

JIN Xiaoting (Hangzhou, CHINA) GUAN Ye (Hangzhou, CHINA), REN Jie (Lishui, CHINA), , ZHAO Yanwei (Hangzhou, CHINA), HE Fuming (Hangzhou, CHINA), WANG Xiaoxiang (Hangzhou, CHINA)

**PR-015 (45DE7) Proximal contact alterations between implant-supported restorations and adjacent teeth in the posterior region: A 3-month prospective study**

HALLAGE-HABRE Pascale (Beirut, LEBANON) BUCKER Solange (Beirut, LEBANON)

**PR-016 (Q4IVC) Clinical assessment of plaque accumulation capacity of 3D printed temporary screw retained crowns, compared to resin and composite based temporary screw retained crowns on single implants**

KATSAROV Stoyan (Varna, BULGARIA), GEORGIEV Delyan (Varna, BULGARIA)

**PR-017 (Z73D3) Comparison of major biological and technical complications between hybrid resin and zirconia FTI-FDPs**

ODA Yukari (Tokyo, JAPAN), MORI Gentaro (Tokyo, JAPAN), IJIMA Toshikazu (Tokyo, JAPAN), YAJIMA Yasutomo (Tokyo, JAPAN)

**PR-018 (LOOQZ) "Reuse of Healing Abutment- A Controversy"**

KHAN Ovais (Belgaum, INDIA), NAYAKAR Ramesh (Belgaum, INDIA), PATIL Anandkumar G (Belgaum, INDIA)

**PR-019 (H8D0D) Up to 10 years analysis of implant-supported and tooth-implant-supported fixed restorations - a RCT**

LUTHARDT Ralph (Ulm, GERMANY), GROELLER Sebastian (Ulm, GERMANY), MARTIN Thomas (Ulm, GERMANY), BAUR Julia (Ulm, GERMANY), SCHNUTENHAUS Sigmar (Ulm, GERMANY), RUDOLPH Heike (Ulm, GERMANY), QUAAS Sebastian (Ulm, GERMANY)

**PR-020 (UEC1B) The Conometric Concept: definitive rehabilitation of the single posterior implant using the Acuris abutment: a preliminary report**

DEGIDI Marco (Bologna, ITALY), NARDI Diego (Bologna, ITALY), SIGHINOLFI Gianluca (Bologna, ITALY), DEGIDI Davide (Bologna, ITALY), PIATTELLI Adriano (Chieti, ITALY)

**PR-021 (87UGO) Clinical performance of one-piece screw-retained implant crowns based on CAD/CAM hand-veneered zirconium dioxide customized abutments with a 6 years and 7 months mean follow-up**

FONSECA Manrique (Bern, SWITZERLAND), MOLINERO MOURELLE Pedro (Bern, SWITZERLAND), FORRER Fiona (Bern, SWITZERLAND), SCHNIDER Nicole (Bern, SWITZERLAND), SCHIMMEL Martin (Bern, SWITZERLAND), BRÄGGER Urs (Bern, SWITZERLAND)

**PR-022 (9XB79) Implant-prosthetic rehabilitation of patients with and without head and neck cancer therapy: a retrospective long-term study**

SCHWEPPE Felix (Berlin, GERMANY), PIERALLI Stefano (Freiburg, GERMANY), SACHSE Claudia (Berlin, GERMANY), NAHLES Susanne (Berlin, GERMANY), SPIES Benedikt C. (Freiburg, GERMANY), HEILAND Max (Berlin, GERMANY)



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**PR-023 (XL8AM) Optimizing complex full arch rehabilitation by initial provisional and final CAD/CAM suprastructures**

NEUGEBAUER Jörg (Landsberg, GERMANY), FRANK Kistler (Landsberg, GERMANY), SIEGFRIED Weis (Landsberg, GERMANY), STEPHAN Adler (Landsberg, GERMANY), STEFFEN Kistler (Landsberg, GERMANY)

**PR-024 (YLQFI) Interplay of different cancer treatments on dental implants: Retrospective analysis of a cohort**

ALSAGGAF Arwa U. (London, UK), HARIA Sonam (London, UK), PAOLINELIS George (London, UK), FENLON Michael r (London, UK), KARJIKAR Aroob Essa (London, UK)

### **Clinical research – surgery**

**SU-001 (BSIZK) Bone formation and bone implant contact in diabetic patients; A histomorphometry human study**

SAM Lyly (Chiang Mai, THAILAND), KHONGKHUNTHIAN Pathawee (Chiang Mai, THAILAND)

**SU-002 (ZTXQ0) Effect of Intrasulcular vs papilla based incision on periodontal parameters in periapical surgery: A Systematic Review & Meta-Analysis**

JAMAL Shizrah (Karachi, PAKISTAN), GUL Meisha (Karachi, PAKISTAN), GHAFUOR Robia (Karachi, PAKISTAN), Khan Farhan Raza (Karachi, PAKISTAN)

**SU-003 (RUQUI) Long-term success rates of implants with guided bone regeneration or bone grafting**

KIM Oksu (Gwangju, REPUBLIC OF KOREA), CHOI Jeongin (Gwangju, REPUBLIC OF KOREA), Kim Bohyun (Gwangju, REPUBLIC OF KOREA), DONGHYUN Seo (Gwangju, REPUBLIC OF KOREA)

**SU-004 (MSI9X) Recognizing the peak bone mass (age 30) as a cutoff point to achieve the success of orthodontic implants.**

CHEN Chun Ming (Kaohsiung, TAIWAN)

**SU-005 (4011E) Dentin particulate autograft for alveolar ridge augmentation – a pilot clinical study**

MARKOVIĆ Luka (Pula, CROATIA), SMOJVER Igor (Zagreb, CROATIA), MARKO Vuletić (Zagreb, CROATIA), KATANEC Tomislav (Zagreb, CROATIA), PELIVAN Ivica (Zagreb, CROATIA), GABRIĆ Dragana (Zagreb, CROATIA)

**SU-006 (5H6DG) Long-term stability of alveolar ridge augmentation in the esthetic area – 5-year results of a RCT**

RIEDER Dominik (Donauwoerth, GERMANY), KLINGERT David (Homburg, GERMANY), HECKMANN Siegfried (Homburg, GERMANY)

**SU-007 (ZPRS8) Mandibular reconstruction using patient-specific pre-bent titanium plate following 3D-printing.**

GOUTZANIS Lampros (Athens, GREECE) CHATZICHALEPLI Chara (Koridallios, GREECE), GKOUTZANI Zacharoula-dimitra (Athens, GREECE), AVGOUSTIDIS Dimitrios (Athens, GREECE), SERGIS Konstantinos (Athens, GREECE)

**SU-008 (MG78Z) Quality of Life in Head and Neck Cancer patients following their dental rehabilitation: A 12-year retrospective study**

PATEL Sapna (Taunton, UK), POLLARD Alexander (Taunton, UK), GARNER Sarah (Taunton, UK), JERREAT Matthew (Taunton, UK)

**SU-009 (8G683) Ultrasound & CBCT analysis of blood flow & dimensions of lingual vascular canal: A Case Control study**

KAZI Sana (Mumbai, INDIA), LAKHA Tabrez (Mumbai, INDIA), KHEUR Mohit (Pune, INDIA), KHEUR Supriya (Pune, INDIA), LAKHA Ameera (Mumbai, INDIA)

**SU-010 (JAA2X) Immediate implanto- prosthetic rehabilitation after socket shield technique of implant placement 6 years follow up - a clinical study**

MARKOVIĆ Luka (Zagreb, CROATIA), SMOJVER Igor (Zagreb, CROATIA), DRAŽENA Gerbl (Zagreb, CROATIA), MARKO Vuletić (Zagreb, CROATIA), SUŠIĆ Mato (Zagreb, CROATIA), GABRIĆ Dragana (Zagreb, CROATIA), DAVOR Katanec (Zagreb, CROATIA)

**SU-011 (BESZT) Autologous tooth roots for lateral alveolar ridge augmentation – 1 year follow up a pilot clinical study**

MARKOVIĆ Luka (Zagreb, CROATIA), SMOJVER Igor (Zagreb, CROATIA), SUŠIĆ Mato (Zagreb, CROATIA), MARKO Vuletić (Zagreb, CROATIA), GERBL Dražena (Zagreb, CROATIA), GABRIĆ Dragana (Zagreb, CROATIA), DAVOR Katanec (Zagreb, CROATIA)

**SU-012 (KWPNO) Clinical and histological comparison of collagen matrix and connective tissue graft in the treatment of deep single recessions: experimental study**

BALANDINA Margarita (Moscow, RUSSIA), KOBOZEV Michael (Moscow, RUSSIA), MURAEV Aleksandr (Moscow, RUSSIA), IVANOV Sergey (Moscow, RUSSIA)

**SU-013 (KNVEI) Simvastatin enhances bone regeneration in post-extraction sockets: a triple-blind, parallel-arm, randomized clinical trial**

MORASCHINI Vittorio (Niterói, BRAZIL), de Almeida Daniel (Niterói, BRAZIL)

**SU-014 (A9ZD1) A 10-year prospective study on single immediate implants**

SEYSSENS Lorenz (Ghent, BELGIUM), EGHBALI Aryan (Ghent, BELGIUM), COSYN Jan (Ghent, BELGIUM)

**SU-015 (U20EX) GBR using NO-resorbable membranes and simultaneous implant placement. A comparative retrospective study.**

HASSFURTHER Nicolas (Giessen, GERMANY), HASSFURTHER Norbert (Wettenberg, GERMANY), PONS-KÜHNEMANN Jörn (Giessen, GERMANY), HOWALDT Hans-peter (Giessen, GERMANY), SCHAAF Heidrun (Giessen, GERMANY)

**SU-016 (L1RKA) Immediate implant, alveolar ridge preservation and Sealing Socket Abutment: 3D radiographic analysis**

ALEXOPOULOU Marianzela (Liege, BELGIUM), LAMBERT France (Liege, BELGIUM), KNAFO Bryan (Paris, FRANCE), POPELUT Antoine (Bordeaux, FRANCE), VANDENBERGHE Bart (Brussels, BELGIUM), FINELLE Gary (Paris, FRANCE)

**SU-017 (4T8GM) Efficacy of resorbable collagen membrane on alveolar bone graft of cleft alveolus**

Singkhorn Thidarat (Hatyai, Songkhla, THAILAND), PRIPATNANOT Prisana (Hatyai, Songkhla, THAILAND), NUNTANARANOT Thongchai (Hatyai, Songkhla, THAILAND), RITTHAGOL Wipapun (Hatyai, Songkhla, THAILAND)

**SU-018 (0FTPU) A novel risk prediction model for postoperative complications and early implant failure**

FEHER Balazs (Vienna, AUSTRIA), LETTNER Stefan (Vienna, AUSTRIA), KARG Florian (Vienna, AUSTRIA), ULM Christian (Vienna, AUSTRIA), GRUBER Reinhard (Vienna, AUSTRIA), KUCHLER Ulrike (Vienna, AUSTRIA)

**SU-019 (LQ6ZH) Evaluation of the alveolar healing in rats using  $\beta$ -Tricalcium Phosphate associated or not with low power LASER**

PADILHA-SILVA Nelson (Araçatuba, BRAZIL), SANTOS Ana flávia piquera (Araçatuba, BRAZIL), HADAD Henrique (Araçatuba, BRAZIL), JESUS Laís kawamata (Araçatuba, BRAZIL), COLOMBO Luara teixeira (Araçatuba, BRAZIL), BATISTA Fabio roberto de souza (Araçatuba, BRAZIL), OKAMOTO Roberta (Araçatuba, BRAZIL), POLI Pier paolo (Milan, ITALY), GARCIA-JÚNIOR Idelmo rangel (Araçatuba, BRAZIL), SOUZA Francisley Ávila (Araçatuba, BRAZIL)

**SU-020 (A1XRC) GBR of atrophic edentulous ridges with customized CAD-CAM titanium meshes: a prospective study**

TOMMASATO Grazia (Milan, ITALY), CASENTINI Paolo (Milan, ITALY), DEL FABBRO Massimo (Milan, ITALY), DELLAVIA Claudia (Milan, ITALY), CHIAPASCO Matteo (Milan, ITALY)

**SU-021 (Z71X2) Influence of the Type of Bone Substitute Materials on the Rates of Bone Regeneration in Sinus Lift Grafting with Lateral Approach and Delayed Implant Placement**

PAPANCHEV Georgi (Dobrich, BULGARIA), PEEV Stefan (Varna, BULGARIA), GEORGIEV Tihomir (Varna, BULGARIA)

**SU-022 (O37ST) Prospective randomized multicenter study between two anesthetic techniques for implant placement in the posterior mandible.**

ESTEVE-PARDO Guillem (Alicante, SPAIN), DE LARRIVA Ernesto (Alicante, SPAIN), ESTEVE-COLOMINA Lino (Alicante, SPAIN), SALGADO Alberto (Alicante, SPAIN), SANCHEZ Luis miguel (Alicante, SPAIN), BERNABEU Ambrosio (Alicante, SPAIN), AMIGO Javier (Alicante, SPAIN), SANCHEZ-NICOLAS Jose antonio (Alicante, SPAIN), HERNÁNDEZ Alvaro (Alicante, SPAIN)

**SU-023 (1W762) One-piece ceramic implants in the maxillary anterior region - limitations and possibilities.**

SCHNUTENHAUS Sigmar (Hilzingen, GERMANY), EDELMANN Cornelia (Hilzingen, GERMANY), KNIPPER Anne (Hilzingen, GERMANY), RUDOLPH Heike (Ulm, GERMANY), LUTHARDT Ralph (Ulm, GERMANY)

**SU-024 (HCV7W) Bone gain (up to 3.6 mm) using implantoplasty without graft material**  
KHAYAT Phillipe (Paris, FRANCE), AIDAN David (Paris, FRANCE)

**SU-025 (OYRSH) Patients' perception of peri-implantitis and its treatment – a pilot study**  
MALMQVIST Sebastian (Huddinge, SWEDEN) , ERDENBORG Jonas (Huddinge, SWEDEN),  
JOHANNSEN Gunnar (Huddinge, SWEDEN), JOHANNSEN Annsofi (Huddinge, SWEDEN)

**SU-026 (FGM78) A prospective clinical study with 60 patients on the performance of a bone level tapered implant in the aesthetic zone.**  
MEIJNDERT Caroliene (Groningen, NETHERLANDS), RAGHOEBAR Gerry (Groningen, NETHERLANDS), VISSINK Arjan (Groningen, NETHERLANDS), MEIJER Henny (Groningen, NETHERLANDS)

**SU-027 (1H1CT) A RETROSPECTIVE CASE SERIES REPORT ON A NOVEL AGGRESSIVELY THREADED AND TAPERED IMPLANT.**  
TURRA Matteo (Feltre, ITALY), ANDERSSON Peter (Feltre, ITALY), VERROCCHI Damiano (Fiera Di Primiero, ITALY), SENNERBY Lars (Kullavik, SWEDEN)

**SU-028 (7QMDC) Evaluation of the OMC and its relationship to patency of the maxillary ostium: A CBCT study**  
SHAIKH MOHSIN (Pune, INDIA), KHEUR Supriya (Pune, INDIA), KHEUR Mohit (Pune, INDIA), LAKHA Tabrez (Mumbai, INDIA), SANDHU Ramandeep (Pune, INDIA)

**SU-029 (URJPD) Immediate and flapless implant insertion and provisionalization using autogenous bone grafts in the esthetic zone: 10-year results**  
NOELKEN Pd Dr. Robert (Lindau / Mainz, GERMANY), WAGNER Prof. dr. dr. wilfried (Mainz, GERMANY), AL-NAWAS Bilal (Mainz, GERMANY)

**SU-030 (BX3J6) Regeneration of peri-implant dehiscence defects using a synthetic biomaterial. A randomized controlled clinical trial.**  
MONTERO Eduardo (Madrid, SPAIN) , SANZ-SÁNCHEZ Ignacio (Madrid, SPAIN), LA ROSA Martina (Madrid, SPAIN), SEIDEL Anna (Madrid, SPAIN), CHA Jae-kook (Seoul, REPUBLIC OF KOREA), JUNG Ui-won (Seoul, REPUBLIC OF KOREA), SANZ Mariano (Madrid, SPAIN)

**SU-031 (03PMI) Zygomatic implant for the rehabilitation of the oncologic patient using a computer-aided technique. Preliminary results of a cohort study at 6 years follow-up**  
PELLEGRINO Gerardo (Bologna, ITALY), BASILE Francesco (Bologna, ITALY), GRANDE Francesco (Bologna, ITALY), FERRI Agnese (Bologna, ITALY), RELICS Daniela (Bologna, ITALY), MANLIO Gessaroli (Cesena, ITALY), MARCHETTI Claudio (Bologna, ITALY)

**SU-032 (KL1MB) 4-year follow-up of staging surgical treatment for ameloblastoma and no-grafting implantation: A case report**  
LIU Xue (Shenzhen, CHINA), CHENG Xiaohui (Shenzhen, CHINA)

**SU-033 (E62AF) A five-year retrospective follow-up study of tapered hydrophilic implants placed with or without GBR procedures**

SCHÜTZ Silvio (Luzern, SWITZERLAND), ZUMSTEIN Thomas (Luzern, SWITZERLAND), SAHLIN Herman (Göteborg, SWEDEN), SENNERBY Lars (Göteborg, SWEDEN)

**SU-034 (6DFOC) Drills versus piezoelectric preparation for placement of zygomatic implants: three-year RCT results**

BERTI Cesare (Bologna, ITALY), DI SIMONE Salvatore (Bologna, ITALY), BARAUSSE Carlo (Bologna, ITALY), ESPOSITO Marco (Göteborg, SWEDEN), PISTILLI Roberto (Rome, ITALY), BALERCIA Andrea (Ancona, ITALY), FELICE Pietro (Bologna, ITALY)

**SU-035 (X9TLW) The Effects of Schneiderian Membrane Perforation on the Clinical Outcome of Sinus Lift Procedures**

TÖRE Cem (Istanbul, TURKEY), COSKUN Zeynep (Istanbul, TURKEY), GULTEKIN Bahattin alper (Istanbul, TURKEY), ÇINAR Caglar (Istanbul, TURKEY), SAGLANMAK Alper (Istanbul, TURKEY), YALCIN Serdar (Istanbul, TURKEY)

**SU-036 (9NNB8) Filling results of lateral approach of maxillary sinus bone augmentation with regard to sinus anatomical features**

RAZ Perry (Jerusalem, ISRAEL), SLUTZKEY Gil (Tel Aviv, ISRAEL), BEITELTUM Ilan (Tel Aviv, ISRAEL), TAL Haim (Tel Aviv, ISRAEL)

**SU-037 (ID77B) Linear and Volumetric Augmentation in Anterior Maxilla using Autogenous Symphysis Bone Graft**

CHEN Si (Wuhan, CHINA) FU Shuang (Wuhan, CHINA), SHI Bin (Wuhan, CHINA)JI Wei (Wuhan, CHINA)

**SU-038 (YNJG1) Comparative Analysis of Osseointegrated Implants Stability Placed in Type IV Bone with 1-13 year follow-up**

DE MORAES Eduardo (Rio De Janeiro, BRAZIL), DE MORAES Luis eduardo (Rio De Janeiro, BRAZIL), PIRES Jorge (Rio De Janeiro, BRAZIL), ELBERN Nathalia (Rio De Janeiro, BRAZIL)

**SU-039 (AH5RH) Computer-aided approach for atrophic maxilla rehabilitation via using zygomatic implants: preliminary results of a cohort study up to 6 years follow-up**

PELLEGRINO Gerardo (Bologna, ITALY), BASILE Francesco (Bologna, ITALY), GRANDE Francesco (Bologna, ITALY), FERRI Agnese (Bologna, ITALY), RELICS Daniela (Bologna, ITALY), MARCHETTI Claudio (Bologna, ITALY)

**SU-040 (01WQL) Early success rate of implants with or without hydrophilic surface: 1 year post-loading results of a multicenter, split-mouth, randomized controlled trial**

TALLARICO Marco (Sassari, ITALY), XHANARI Erta (Tirana, ALBANIE)

**SU-041 (2HDL0) Hard tissue changes by osseodensification technique in narrow alveolar ridges: a pilot study**

ISIK Gözde (İzmir, TURKEY), GUNBAY Tayfun (İzmir, TURKEY)

**SU-042 (3H805) Horizontal bone augmentation using particulate allograft, platelet concentrates and tent screws.**

SHALL Firas (Bruxelles, BELGIUM), EVRARD Laurence (Bruxelles, BELGIUM)

**SU-043 (LD8FN) Immediate provisionalization of Astra Tech implants in healed and extraction sites: 1 to 11-year results**

NOELKEN Pd Dr. Robert (Lindau, GERMANY), MUTTER Elisabeth (Winterthur, SWITZERLAND), WAGNER Prof. dr. dr. wilfried (Mainz, GERMANY), AL-NAWAS Bilal (Mainz, GERMANY)

**SU-044 (QD898) Radiographic Evaluation of Simultaneous GBR using 3-Dimensional, Preformed Titanium Membrane in the Single-Tooth Edentulous Ridge of Anterior Maxilla: Hard Tissue Volume Stability beyond Bony Envelope.**

KIM Kyungmin (Gwangju, REPUBLIC OF KOREA), YUN Ho Jin (Gwangju, REPUBLIC OF KOREA), LEE Won pyo (Gwangju, REPUBLIC OF KOREA)

**SU-045 (SANSE) Root-analogue implants for immediate implant placement: A retrospective case series.**

BÖSE Mats W. H. (Berlin, GERMANY), HILDEBRAND Detlef (Berlin, GERMANY), BEUER Florian (Berlin, GERMANY), WESEMANN Christian (Berlin, GERMANY), SCHWERDTNER Paul (Berlin, GERMANY), PIERALLI Stefano (Freiburg, GERMANY), SPIES Benedikt C. (Freiburg, GERMANY)

**SU-046 (LQ3KC) Socket preservation using vascular endothelial growth factor, clinical and histological research**

KOBOZEV Michael (Moscow, RUSSIA), BALANDINA Margarita (Moscow, RUSSIA), MURAEV Aleksandr (Moscow, RUSSIA), IVANOV Sergey (Moscow, RUSSIA)

**SU-047 (A70D5) Guided Bone Regeneration in the atrophic jaws: a retrospective study with a 3 to 7-year follow-up**

GASPARRO Roberta (Naples, ITALY), PISTILLI Roberto (Rome, ITALY), SIMION Massimo (Milan, ITALY), BARAUSSE Carlo (Bologna, ITALY), SAMMARTINO Gilberto (Naples, ITALY), FELICE Pietro (Bologna, ITALY)

**SU-048 (BWSTJ) Clinical and radiological outcomes of rehabilitation in the molar region with wide platform implants.**

VILLA Gabriele (Biella, ITALY), VILLA Roberto (Biella, ITALY), VASILIC Nikola (Belgrade, SERBIE), POZZI Alessandro (Roma, ITALY), POLIZZI Giovanni (Verona, ITALY), IMBURGIA Mario (Palermo, ITALY), COPPOLA Armando (Napoli, ITALY)

**SU-049 (QCACG) Effectiveness of Collagen Membrane in the Treatment of Schneiderian Membrane Perforation**

NAM Inhye (Yangsan, REPUBLIC OF KOREA) , LEE Jaeyul (Yangsan, REPUBLIC OF KOREA), KWON Jinju (Yangsan 50612, Kyungsangdamdo, REPUBLIC OF KOREA), SHIN Sanghun (Yangsan, REPUBLIC OF KOREA), YUN Jiyoung (Yangsan 50612, REPUBLIC OF KOREA), AN Jihye (Yangsan 50612, REPUBLIC OF KOREA)

**SU-050 (79EDD) Impact of early functional loading of implants. A data analysis of 70 implants using Resonance Frequency Analysis**

DIAMANTIS Ioannis (Athens, GREECE), ROUSSOS Konstantin (Stuttgart, GERMANY), GEORGIKOPOULOU Sophie (Athens, GREECE), BACHLAVA Evangelia (Athens, GREECE)

**SU-051 (9G5SI) Implant loss and sinusitis after sinus lift - an underestimated complication?**

CARLS Peter F. (Lugano Pregassona, SWITZERLAND), ÜLGÜR Ismail Iskender (Bern, SWITZERLAND), ELMAS Firat ismail (Lucerne, SWITZERLAND), SCHUMANN Paul (Zurich, SWITZERLAND), GANDER Thomas (Zurich, SWITZERLAND), PIANTANIDA Renato (Lugano, SWITZERLAND)

**SU-052 (CMTVZ) Contemporary assessment of the accuracy of merging DICOM and STL files for the purpose of guided implant placement.**

KATSAROV Stoyan (Varna, BULGARIA)

**SU-053 (J2UQQ) Marginal bone and soft tissue alterations after use of OsseoSpeed Profile EV implants**

PIETRUSKA Małgorzata (Białystok, POLAND), PIETRUSKI Jan (Białystok, POLAND)

**SU-054 (MRFSN) PET- Fully Digital approach for plan and restore**

FILTCHEV Dimitar (Sofia, BULGARIA)

**SU-055 (J6MAH) Clinical study with gradually anodized implants restored with two-piece anodized abutments – preliminary results**

FABBRI Giacomo (Cattolica, ITALY), BAN Giorgio (Cattolica, ITALY)

**SU-056 (XZ6FT) Comparison of osseodensification and conventional techniques: a preliminary randomized trial**

ISIK Gözde (İzmir, TURKEY), GUNBAY Tayfun (İzmir, TURKEY)

**SU-057 (9YII5) Accuracy of template-guided implantation with a new implant system. A prospective clinical trial.**

SCHNUTENHAUS Sigmar (Hilzingen, GERMANY), RUDOLPH Heike (Ulm, GERMANY), LUTHARDT Ralph (Ulm, GERMANY), EDELMANN Cornelia (Hilzingen, GERMANY)



**SU-058 (GCG2H) Clinical outcome of two-piece titanium implants with an internal tube-in-tube connection**

STEYER Elisabeth (Graz, AUSTRIA), THEISEN Kerstin (Graz, AUSTRIA), HULLA Helfried (Strass, AUSTRIA), KOLLER Martin (Graz, AUSTRIA), LORENZONI Martin (Graz, AUSTRIA)

**SU-059 (83E23) Patient's perception of recovery after osteotome-mediated sinus floor elevation: a randomized controlled trial**

STARCK-JENSEN Thomas (Aalborg, DENMARK), BRUUN Niels henrik (Aalborg, DENMARK)

**SU-060 (EZSWZ) A retrospective 10-year mean follow-up of zirconia implants rehabilitations in aesthetic areas.**

BORGONOVO Andrea Enrico (Milan, ITALY), LUCA Andrea Emanuele (Milano, ITALY), FERRARIO Susanna (Milan, ITALY), VAVASSORI Virna (Milan, ITALY), CENSI Rachele (Milan, ITALY), RE Dino (Milan, ITALY)

**SU-061 (4CHX0) Clinical and Radiographical Evaluation of Early Complications Associated With Maxillary Sinus Augmentation**

AYTEKIN Melike (Istanbul, TURKEY), GULTEKIN Alper (Istanbul, TURKEY)

**SU-062 (VJKTL) Combination of Socket Shield Technique and Immediate Loading for Restoring Multiple Missing Teeth in the Aesthetic Zone a Case Report**

SAPUNDZIEV Dime (Ljubljana, SLOVENIA), OSTRC Tadej (Ljubljana, SLOVENIA)

**SU-063 (BZ4OH) Implant Periapical Lesion Treated by Surgical Combined Decontamination and Regeneration Approach**

Wang Hanyu (Suzhou, CHINA)

**SU-064 (KQWCJ) Soft tissue seal osseodensification technique**

FILTCEV Dimitar (Sofia, BULGARIA), KOTSILKOV Kamen (Sofia, BULGARIA), FEHMER Vincent (Geneva, SWITZERLAND), MATEEVA Galena (Sofia, BULGARIA), RUSEVA Elitsa (Sofia, BULGARIA)

**SU-065 (4MOIU) Tilted implants applied to immediate load on edentulous jaw: 6 years follow-up**

HADAD Henrique (Araçatuba, BRAZIL), SCHÖDER Júlio (Curitiba, BRAZIL), SOUZA Francisley Ávila (Araçatuba, BRAZIL), BASSI Ana paula (Araçatuba, BRAZIL), FONTÃO Flávia (Curitiba, BRAZIL)

**SU-066 (91838) Use of NO-resorbable dPTFE membranes in preservation of the alveolar ridge- a case report**

SPIROV Vancho (Skopje, MACEDONIA), VELJANOVSKI Darko (Skopje, MACEDONIA), BAFTIJARI Denis (Tetovo, MACEDONIA), PAPRANIKU Krenar (Tetovo, MACEDONIA), STOJANOVSKI Marjan (Skopje, MACEDONIA)

**SU-067 (CRTLf) A systematic review of the facial alveolar bone thickness in anterior and posterior teeth – considerations for immediate implant placement**

HEIMES Diana (Mainz, GERMANY), SCHIEGNITZ Eik (Mainz, GERMANY), KUCHEN Robert (Mainz, GERMANY), KÄMMERER Peer w. (Mainz, GERMANY), AL-NAWAS Bilal (Mainz, GERMANY)

**SU-068 (DACPK) Alveolar ridge split technique and immediate implant placement in atrophic maxilla. Case series.**

OIKONOMOU Maria Eleni (Athens, GREECE), CHLIAOUTAKIS AgamemNO (Athens, GREECE), SAMANIDIS Konstantinos (Athens, GREECE), PAPACHRISTODIMA Anthi (Athens, GREECE), NTAGIANTIS Georgios (Athens, GREECE), GIANNOULIS Georgios (Athens, GREECE), CHATZICHALEPLI Chara (Athens, GREECE), CHOUPIS Konstantinos (Athens, GREECE)

**SU-069 (BAB66) Dental autotransplantation as a treatment alternative. A review of literature**

DE LA IGLESIA BEYME Álvaro (Barcelona, SPAIN), PRUNERA LAVILLA Marc (Barcelona, SPAIN)

**SU-070 (WSHH4) May the new developed implant surface, coated with pH buffering agent fasten osseointegration?**

ZADROZNY Lukasz (Warsaw, POLAND)