

[IDMC2011 Scientific Program]

Invited Lecture I “New Concept of Implant Design and Characteristics”

Saturday, May 28, 9:00 am – 11:00 am [Eun-Myung Auditorium]

I1-1	Kwang Bum Park	Megagen Implant Co., Ltd. (Republic of Korea)	Recent Changes of Dental Implant Design
I1-2	Takao Hanawa	Tokyo Medical and Dental University (Japan)	Implant Surface Treatment
I1-3	Jonathan C Knowles	University College London (United Kingdom)	Bone Graft Materials

Invited Lecture II “Esthetic Restoration Using CAD/CAM Technology”

Saturday, May 28, 1:00 pm – 4:00 pm [Eun-Myung Auditorium]

I2-1	Seiji Ban	Aichi Gakuin University (Japan)	Technical Factors Affecting the Properties of Dental Zirconia
I2-2	Michael Swain	The University of Sydney (Australia)	Zirconia: What Consequences with Its Use for Dental Restorations
I2-3	Jason A Griggs	University of Mississippi School of Dentistry (U.S.A.)	Lifetime Prediction of Dental Implants and Prostheses
I2-4	Hoi Wung Chung	Jeonju Mir Dental Hospital (Republic of Korea)	New Concept of Soft Tissue Management in Anterior Immediate Implants

Poster Presentation I

Saturday, May 28, 11:00 am – 12:00 pm [Seminar Room 2-3]

P1-imp01	Won-Gi Kim	Chonbuk National University	Surface Modification of Titanium Implant by Anodic Oxidation Treatment and Bisphosphate Immobilization	Implant Dentistry
P1-imp02	Eun-Jin Yang	Chonbuk National University	Bioactivity of Precalcified Nanotubular TiO ₂ Layer on Titanium Implant	Implant Dentistry
P1-imp03	Gokec Meric	Assistant ProfFesor(Near East Univ)	Biomechanical Considerations of Different Collar Structured Implants Supporting 3-Unit Fixed Partial Denture	Implant Dentistry
P1-imp04	Gokec Meric	Assistant ProfFesor(Near East Univ)	Influence of prosthesis type and material on the biomechanical behaviour of implant retained fixed partial dentures	Implant Dentistry
P1-imp05	Kyung-Jin Lee	Chonbuk National University	Surface Characteristics of Titanium Implant Modified by Blasting and Acid-Etching	Implant Dentistry
P1-imp06	Yang-Jin Lee	college of dentistry, chonnam national university	Characteristics and Osteoblastic cells Responses of thermally oxidated surface	Implant Dentistry
P1-imp07	Neupane MP	Chonbuk National University	Titania Nanotubes Supported Gelatin Stabilized Gold Nanoparticles for Medical Implants	Implant Dentistry
P1-imp08	Takafumi Asai	Aichi Gakuin University School of Dentistry	The Basic Experiment about the Effective of Sintered Titanium Dioxide as a Bone Filling Material	Implant Dentistry
P1-imp09	So-Hee Moon	Chonbuk National University	Bioactivity of Ti-6Al-4V Alloy Implant Treated with Ibandronate	Implant Dentistry
P1-imp10	Erkan Erkmnen	Gazi Univ	A Finite Element Analysis of Two Different Collar Structured Implants Supporting Cantilever Fixed Partial Denture	Implant Dentistry
P1-imp11	Go Mashio	GC Corporation	Influence of shape and loading direction of zirconia abutment on bending fracture strength	Implant Dentistry
P1-imp12	Saori Inoue	Hokkaido University, Graduate School of Dental Medicine	Development of the Carbon nanotube-coated anodized titanium	Implant Dentistry
P1-imp13	Naoko Moraji	School of Dentistry Aichi-Gakuin University	Surface Analysis of Titanium influenced by Plasma Glow Discharge	Implant Dentistry
P1-imp14	Mai Kono	Department of Oral Rehabilitation, Division of Occlusion and Removable Prosthodontics	Enhancements of Bone-titanium Integration by NaOCl- mediated Biofunctionalization of Titanium	Implant Dentistry
P1-imp15	AMORNAT WONGLAMSAM	MAHIDOL UNIVERSITY	Effect of Attachment Design on the Retention of Implant Retained Auricular Prostheses: An in vitro study	Implant Dentistry
P1-imp16	Yoko Yamaguchi	Tokyo Medical and Dental Univ.	Analysis of Abutment Fracture on a Single Standing Implant	Implant Dentistry
P1-imp17	Kouchi Watanabe	Niigata University	Study on the biomolecular adsorption on titanium implant retrieved from rat bone	Implant Dentistry
P1-imp18	Yuki ICHIOKA	Health Sciences University of Hokkaido	Enhancement of initial cell attachment to a titanium surface cleaned by simple chemical and physical treatments	Implant Dentistry
P1-imp19	Kyung-Kwan Min	Chonnam National University	Surface Characteristics of Oxide Films on Titanium-based Metals Formed by AC-type Microarc Oxidation Combined with Hydrothermal Treatment	Implant Dentistry
P1-imp20	Ho-Jun Song	School of Dentistry, Chonnam National University	Characteristics of BSA Release from Bone-Like Apatite on Titanium Coated by Coprecipitation Method	Implant Dentistry
P1-Met01	Sang-Hwa lee	School of Dentistry, pusan national univ.	Metastable phase formation by miscibility limit of Ag-Cu system in an Au-Ag-Cu-Pd alloy during aging process	Metallic Dental Materials
P1-Met02	Hyun-Ju Oh	Chonbuk National University	Bioactivity of Precalcified Nanotubular TiO ₂ Layer on Ti-6Al-4V Alloy	Metallic Dental Materials
P1-Met03	Motohiro Uo	Hokkaido University	XAFS analysis of TiO ₂ nanotube formed on pure titanium surface	Metallic Dental Materials
P1-Met04	Yu-Kyung Kim	Chonbuk National University	Corrosion and cyto-toxicity properties of anodized Mg alloys	Metallic Dental Materials
P1-Met05	Yu Bai	Chonbuk National University	Effect of AOT-assisted multi-walled carbon nanotubes on antibacterial activity	Metallic Dental Materials
P1-Met06	Ryota Kondo	Tokyo Medical and Dental University	Effects of cold-rolling on microstructure and magnetic susceptibilities of Zr-14Nb alloy	Metallic Dental Materials
P1-Met07	Jae-Joo Song	Chonbuk National University	Bioactivity of Precalcified Nanotubular TiO ₂ Layer on Titanium Mesh	Metallic Dental Materials
P1-Met08	Suyalatu	Tokyo Medical and Dental University	Effects of heat treatment on magnetic susceptibility and mechanical properties of Zr-3Mo alloy that prevents the MRI artifacts	Metallic Dental Materials
P1-Met09	Shinji Takemoto	Tokyo Dental College	Surface Characterization of Titanium Alloys Immersed in Denture Cleanser	Metallic Dental Materials
P1-Met10	Emi UYAMA	the University of Tokushima	Microstructure of MRI Compatible Au-Pt-8Nb Alloy for Biomedical Application	Metallic Dental Materials
P1-Met11	Shihoko Inui	University of Tokushima	Castability of MRI Compatible Au Alloy for Biomedical Application	Metallic Dental Materials
P1-Met12	Yusuke Tsutsumi	Tokyo Medical and Dental University	Calcium phosphate formation on Zr with micro-arc oxidation and chemical treatments	Metallic Dental Materials
P1-Met13	Zutai Zhang	Capital Medical Univ., School of Stomatology	Antibacterial Properties of Titanium Castings Modified by Experimental Mold Materials	Metallic Dental Materials
P1-Met14	Yuan LI	Peking University School and Hospital of Stomatology	An evaluation method with radiographic image quality indicator for internal defects of dental casting crown	Metallic Dental Materials
P1-Met15	Masahito Ohida	Tokyo Medical and Dental University	Application to telescopic dentures of non-precious alloys: Evaluation of static frictional coefficients in dental alloys	Metallic Dental Materials
P1-Met16	Wei Bai	WEIBAI	The interrelated study of chemical composition and corrosion resistance of Dental casting base alloys	Metallic Dental Materials
P1-Met17	Atsushi Takaichi	Tokyo Medical and Dental University Graduate school	Microstructures and mechanical properties of Co-29Cr-6Mo alloy fabricated by selective laser melting process	Metallic Dental Materials
P1-Met18	Kyo-Han Kim	School of Dentistry, Kyungpook National University	Synthesis of silver incorporated hydroxyapatite coating on anodic TiO ₂ nanotubes under magnetic field	Metallic Dental Materials
P1-Met19	Kyo-Han Kim	School of Dentistry, Kyungpook National University	Synthesis of Mg ²⁺ incorporated hydroxyapatite by ion implantation and their cell response	Metallic Dental Materials
P1-Met20	Yoshinori Doi	Ishifuku metal industry co., ltd.	Improvement in sag resistance and color of noble alloy Development of a high gold content alloy used for metal –ceramic restoration	Metallic Dental Materials
P1-Met21	Keita Yoda	Tokyo Medical and Dental University	Effect of C and N contents on the mechanical properties of Co-Cr-Mo alloys for dental applications	Metallic Dental Materials
P1-Met22	Toru Tsujibayashi	Osaka Dental University	Electronic structures of the L-cysteine film on dental gold-silver-copper-palladium alloy	Metallic Dental Materials
P1-Met23	Isoo Kawashima	Ohu Univ. School of Dentistry	Effect of Cu content and heat treatment on hardness and corrosion resistance in Ag-Pd-Au-Cu alloys	Metallic Dental Materials
P1-Met24	Ikuya Watanabe	Nagasaki University	Microstructure Analysis of Cast Titanium Surface Modified by Nd:YAG Laser	Metallic Dental Materials
P1-Met25	Han-Cheol Choe	Chosun University	Electrochemical Impedance Analysis of Silicon-Hydroxyapatite Coatings on the Ti-35Nb-xZr Alloy	Metallic Dental Materials
P1-Met26	En-Ju Kim	Chosun University	Corrosion Behavior of Si/HA/Ti Film on Porous Ti-29Nb-xZr Alloy Surface	Metallic Dental Materials
P1-Met27	ByungHak Moon	Chosun University	Electrochemical Behavior of Silicon-Doped Hydroxyapatite Film on Femtosecond Laser Textured Ti-35Ta-xHF Alloys	Metallic Dental Materials
P1-Met28	Mi-Hyang Cho	Wonkwang Health Science University	Grain interior precipitation and related lamellar-forming grain boundary reaction in an Ag-Pd-Cu-Au-Zn alloy	Metallic Dental Materials
P1-Met29	Young-Joo Cho	Kyung Hee University	The effect of recasting of precious metal ceramic alloy with oxygen-propane torch on the compositions of alloy elements and shear bond strength	Metallic Dental Materials
P1-Met30	Rie Yamaki	Oral Biomaterials & Technology	Evaluation of Experimental Paste Type Phosphate-bonded Investments using Sol-gel Reaction (Abstract Duplication)	Metallic Dental Materials
P1-Met31	Satoshi YAGI	Oral Biomaterials & Technology	Soda-lime Glass can be Available for the Binder Material of the Experimental Reusable Investment for Dental Castings	Metallic Dental Materials
P1-Met32	Yeong-Joon Park	Chonnam National University	Microstructural and physical property changes of titanium by alloying with varying amounts of gold	Metallic Dental Materials
P1-Met33	Ji-Woo Kim	Chonnam National University	Effects of Alloying Element Mn on the Microstructure and Physical Properties of Ti-Mn alloys	Metallic Dental Materials

P1-Bio01	Linlin Han	Niigata University Graduate School of Medical and Dental Sciences	Evaluation of Ion Releasing and Uptake Properties of a Prototype S-PRG Filler-containing Endodontic Material	Biocompatibility
P1-Bio02	Jiao Sun	Ninth People's Hospital, Shanghai Jiaotong University School of Medicine	Bioactivity and Histologic Response to A Novel Calcium phosphate/Calcium silicate/Bismutite Cement for Dental Pulp Capping	Biocompatibility
P1-Bio03	Makoto Matsuoka	Hokkaido University, Graduate School of Dental Medicine,	Carbon nanotube-coated silicone as a flexible biomedical material	Biocompatibility
P1-Bio04	Jung-Ho Yang	Kyungpook National University	Fabrication of Spherical Hydroxyapatite Granules with Interconnected Pore Channels Using Camphene by Emulsion Method	Biocompatibility
P1-Bio05	Setso Saitoh	Iwate Medical University	Historical and TEM Observation of Subcutaneous Tissues Exposed to Particulate Pure Metals	Biocompatibility
P1-Bio06	Koichi Imai	Osaka Dental University	Development of an in Vitro Embryotoxicity Screening System Include the Human Metabolic Factor	Biocompatibility
P1-Bio07	Tingting Zhu	School of Dentistry, Seoul National University	Involvement of Fenton reaction in Cytotoxicity of TEGDMA and HEMA	Biocompatibility
P1-Bio08	Yoshiya Hashimoto	Osaka Dental University	Self-Assembling Peptide Scaffolds and Dedifferentiated Fat Cells for Bone Tissue Engineering	Biocompatibility
P1-Bio09	Hideo Kamemizu	Asahi university	Photocatalytic Activity of Synthetic Oxyapatite	Biocompatibility
P1-Bio10	Keijiro Hayashi	Health Sciences University of Hokkaido	Effects of genistein on the proliferation and differentiation in rat dental pulp cells	Biocompatibility
P1-Bio11	Keisuke Handa	Health Sciences University of Hokkaido	Application of high frequency radio wave generator in direct pulp capping	Biocompatibility
P1-Bio12	Toshiyuki Koike	Health Sciences University of Hokkaido	Micro morphological study of reparative dentin induced by phosphophoryn in rats	Biocompatibility
P1-Bio13	Tsukasa Akasaka	Hokkaido University	Cell Proliferation on Carbon Nanotubes Coated Dishes in Different Cell Lines	Biocompatibility
P1-Bio14	Yu-Ri Choi	Yonsei University	In vitro and in vivo evaluation of biocompatibility of zirconia	Biocompatibility
P1-Bio15	atsushi shibatsuj	asahi univ	Osteoinduction with non-Sintered Porous Carbonate Apatite in Dog Dorsal Muscle	Biocompatibility
P1-Bio16	Masanori Adachi	Asahi University	Chemical deposition of carbonate-containing apatite after introducing various functional groups to the SAM-processed Ti surface	Biocompatibility
P1-Bio17	Ga-Ram Kim	Chonbuk National University	Effect of Multi-walled Carbon nanotubes and saliva on Streptococcus mutans Biofilm Formation	Biocompatibility
P1-Bio18	Dae Hyeok Yang	Kyung Hee University	Influence on Osteogenesis of Titanium Immobilized with Heparin-Coated Hydroxyapatite particles	Biocompatibility
P1-Bio19	Min Soo Bae	Kyung Hee University	An in vitro assessment of BMP-2 and GDF-5 loaded photo-crosslinkable hydrogel conjugated with zirconium surface for enhanced osseointegration	Biocompatibility
P1-Bio20	Shigeki ABE	Hokaido University	Biodistribution of micro-/nano-sized particles and their cytotoxicity	Biocompatibility
P1-Bio21	Kei Oya	Kogakuin University	Hard Tissue Compatibility on GRGDS Peptide-Immobilized on Titanium through Electrodeposited NH ₂ -PEG-COOH	Biocompatibility
P1-Bio22	Shigeki ABE	Hokaido University	Controlled CaCO ₃ formation using biomimetic macromolecules	Biocompatibility
P1-Bio23	Kang Lee	School of Dentistry, Chosun University	Formation of Hydroxyapatite Film on TiO ₂ Nano-Network	Biocompatibility
P1-Bio24	Byung-Hoon Kim	School of Dentistry, Chosun University	Immobilization of Hyaluronic Acid and Carboxymethyl Chitosan onto Functionalized Titanium Surfaces	Biocompatibility
P1-Bio25	Jaе-Won Shim	School of Dentistry, Chosun University	Hyaluronic Acid Immobilization on the Plasma-Modified TiO ₂ Nano-network Surface	Biocompatibility
P1-Bio26	Yeong-Mu Ko	School of Dentistry, Chosun University	Influence of Mg ions on Hydroxyapatite formation to the TiO ₂ nano-network surface	Biocompatibility
P1-Bio27	Soon-Sung Kwon	School of Dentistry, MRC center, Chosun university	Electrochemical Deposited Hydroxyapatite Film on the Anodized Titanium	Biocompatibility
P1-Bio28	Jang-Hyuk Ko	School of dentistry, Chosun university	The Biocompatibility of RGD Peptide onto the Plasma-Modified Acrylic Acid (AA) Surfaces	Biocompatibility
P1-Bio29	JHWOONG YANG	Chonnam National University, Dental collage	Effect of periosteum and absorbable membrane on resorption of iliac bone graft in rabbit calvarium	Biocompatibility
P1-Bio30	Yo-Han Song	Chonnam National University	Cytocompatibility evaluation of Ti-based alloys and fourteen kinds of alloying elements	Biocompatibility

Poster Presentation II

Saturday, May 28, 04:00 pm – 05:00 pm [Seminar Room 2-3]

P2-Cer01	Kyung-Sook Moon	Wonkwang University	UV Irradiation effect of TiO ₂ Nanotubes on the osteogenic differentiation of human mesenchymal stem cells	Ceramic Dental Materials
P2-Cer02	Soo-Ha Jung	Wonkwang University	The Effect of Surface Treatment on the Shear Bonding Strength between Zirconia Core and Veneering Ceramic	Ceramic Dental Materials
P2-Cer03	Kiyoshi Kakata	The Nippon Dental University	Effect of Abrasive and Fiber Component in Medium on Occlusal Wear of Antagonist and Porcelain	Ceramic Dental Materials
P2-Cer04	Satoshi Sanaoka	Asahi University School of Dentistry	The Application of zirconia to the major connector Part 3 The Influence of water on maximum load	Ceramic Dental Materials
P2-Cer05	yusuke yamaguchi	ASAHI University	Influence of vacuum ultra-violet irradiation on the bond strength of zirconia ceramics to resin composites	Ceramic Dental Materials
P2-Cer06	Mitsumori Uno	Prosthodontics	Toughening of Dental Ceramics by Silver Carbonate Paste	Ceramic Dental Materials
P2-Cer07	Takayoshi Ito	prosthodontics	Influence of Silver Carbonate Slurry on the Strength of Dental Ceramics	Ceramic Dental Materials
P2-Cer08	Seigo Okawa	Niigata Univ.	Deposit behavior of calcium phosphate on titanium plate under anodic and cathodic electrolysis	Ceramic Dental Materials
P2-Cer09	JHYOUNG BAE	The university of Tokushima	Porosity of dental gypsum products during setting and heating process	Ceramic Dental Materials
P2-Cer10	Makoto Ozawa	School of Life Dentistry at Niigata, The Nippon Dental University	Analysis of Bonding Interface in Veneering Porcelain/Zirconia Composite	Ceramic Dental Materials
P2-Cer11	Kozo Umemoto	The Japanese Society for Dental Materials and Devices	Effect of Various Crystals and It's Supernatant on Hardening of Dental Plaster.	Ceramic Dental Materials
P2-Cer12	Naru Shiraishi	Tohoku University	Effect of soluble ions released from OCP on osteoblastic differentiation	Ceramic Dental Materials
P2-Cer13	Yuya ASAKAWA	Graduate school, Tokyo Medical and Dental University	Effect of fibreglass length on diametral tensile strength of calcium phosphate cement	Ceramic Dental Materials
P2-Cer14	Fu Wang	Tokyo Medical and Dental University	Comparison of Translucency of Ceramic Core Materials at Different Thickness	Ceramic Dental Materials
P2-Cer15	NAM SUCK KIM	DANKOOK UNIVERSITY/SCHOOL OF DENTISTRY	Fracture Toughness of 3Y-TZP Ceramics Sintered by Microwave Furnace	Ceramic Dental Materials
P2-Cer16	Beom-Jin Choi	Dankook University, School of Dentistry	Fracture Resistance of Ceramic MOD Inlays Machined from Three Dental CAD-CAM Ceramics	Ceramic Dental Materials
P2-Cer17	Makoto Noda	Kagoshima University	Apatite forming ability in vitro of HA-containing glass powders for coating on zirconia	Ceramic Dental Materials
P2-Cer18	Yuji Okuda	Kagoshima University	Change in the stress induced transformation of dental zirconia with firing temperature	Ceramic Dental Materials
P2-Cer19	Kazumitsu Sekine	The University of Tokushima Graduate school	In vitro and in vivo evaluation of Strontium-substituted apatite bone cement	Ceramic Dental Materials
P2-Cer20	Hirofumi Usami	Osaka university	Evaluation of Silica-Doped Y-TZP for Dental Restorations	Ceramic Dental Materials
P2-Cer21	Yukari Shiwaku	Tohoku University Graduate School of Dentistry	Effect of fluoride dose in calcium phosphates obtained from OCP co-precipitation on osteoblastic cellular response and solubility	Ceramic Dental Materials
P2-Cer22	Yuichi Terui	Showa University	Examination of Porcelain Veneering Procedure for Zirconia-based Nanocomposites	Ceramic Dental Materials
P2-CAD01	Jung-Hwan Lee	Chonbuk National University	Push-shear bond strength between CAD/CAM zirconia ceramic core and zirconia veneering ceramics	CAD/CAM
P2-CAD02	SUESE KAZUHIKO	Osaka Dental University	Clinical Application and Possibility of Nano Zirconia	CAD/CAM
P2-CAD03	Satoshi Yamaguchi	Osaka University, Graduate School of Dentistry	Dental Implant Surgical Navigation System by Retinal Imaging Display (2829) Abstract Duplication	CAD/CAM
P2-Mis01	Toshiyuki Suge	The University of Tokushima Graduate School	Changes of Crystallinity of Hydroxyapatite Powder and Structure of Enamel treated with Several Concentrations of Ammonium Hexafluorosilicate	Miscellaneous
P2-Mis02	Ji-Young Park	Wonkwang University	Development of Tetracycline Loaded Dental Varnish and Antibacterial Effect	Miscellaneous
P2-Mis03	Hiroyuki Arikawa	Kagoshima University	Light Transmittance and Reflectance Characteristics of Restorative Composite Resins	Miscellaneous
P2-Mis04	Masao Yoshinari	Tokyo Dental College	Metal Component Analyses of Metal-ceramic Crowns Circulated in Four Regions of the World	Miscellaneous
P2-Mis05	Yuko Takeda	Osaka university graduate school of dentistry	Analyses of stress distributions and fracture strength of pulpless teeth restored with fiber posts	Miscellaneous
P2-Mis06	Takahisa Anada	Tohoku University	Development of polydimethylsiloxane-based three dimensional cell culture chip	Miscellaneous
P2-Mis07	Panassaya Kanchanasa...	Mahidol University	Ability of CPP-ACP paste and arginine in calcium carbonate toothpaste to occlude dentinal tubules	Miscellaneous
P2-Mis08	Tomofumi Sawada	Kanagawa Dental College	Surface properties of denture base resin after several disinfection methods	Miscellaneous
P2-Mis09	Siraya Sinlaparatsami	Mahidol university	The physical properties of recycled gypsum in different heating processes	Miscellaneous
P2-Mis10	Shin-ichi Goto	The Nippon Dental University	Dental Restorations found in food as foreign substances during dining	Miscellaneous
P2-Mis11	Dianyuan Zhang	Peking University School and Hospital of Stomatology	Influence of whitening material on enamel to hardness of bovine teeth	Miscellaneous

P2-Mis12	Yoko Ogura	Nippon Dental University	Influence of Conditioning Agents for a Resin-based Sealer on the Root Canal Wall	Miscellaneous
P2-Mis13	Takashi Nezu	Iwate Medical University School of Dentistry	Diffusion of an antimicrobial acriflavine through a concentrated solution of hyaluronic acid as a matrix component of biofilms	Miscellaneous
P2-Mis14	Sung-Won Ju	Seoul National University	Influence of dentin and enamel porcelain thickness on layered all-ceramic restoration color	Miscellaneous
P2-Mis15	Mitsugu Kanatani	Niigata University Graduate School Medical and Dental Sciences	Behavior of Dust in Dental Clinic Office and Laboratory Using Particle of Noble Metal Alloy as Marker	Miscellaneous
P2-Mis16	Yasushi Hibino	Meikai University School of Dentistry	Flexural Strength of Experimental HEMA-free Resin-modified Glass Ionomer	Miscellaneous
P2-Mis17	Motomiro Uo	Hokkaido University	Sr enriched teeth; structural analysis and mechanical properties	Miscellaneous
P2-Mis18	Ryo Nishikiori	Hiroshima University Graduate School of Biomedical Sciences	Disinfection of dental stone casts: effect on surface morphology	Miscellaneous
P2-Mis19	Maho Shiozawa	Tokyo Medical and Dental University	Fluoride release and mechanical properties of restorative glass ionomer cement	Miscellaneous
P2-Mis20	Reina Tanaka	Showa University	In-office power bleaching preserves the microstructural integrity of enamel against acids deterioration	Miscellaneous
P2-Mis21	HIROSHI CHUREI	Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University	Physical Properties Evaluation of Face Guard Materials - Effect of cushioning materials on shock absorption -	Miscellaneous
P2-Mis22	Harumi Aoki	Nippon Dental Univ.	Influence of acidic and slightly acidic electrolyzed water on dental unit components	Miscellaneous
P2-Mis23	Toshio Hongo	Tokyo Medical and Dental University	S9 Fraction Broke Down Bis-GMA to Its Metabolites without Metabolic Activation	Miscellaneous
P2-Mis24	Inho Han	Yonsei University College of Medicine	Effect of helium plasma needle treatment on disinfection of microorganisms contaminated surfaces	Miscellaneous
P2-Dev01	Munehiro MAEDA	Nippon Dental University, School of Life Dentistry at Tokyo	Comparison of Cutting Aspect of Stainless Steel Gates-Glidden Bur and Peeso Reamer	Devices
P2-Dev02	Samjin Choi	Kyung Hee University	Effects of Self-Ligation on Stainless Steel Archwires	Devices
P2-Dev03	Koichi ARAI	Nippon Makisen Kogyo	Development of a small isotonic ozone water generator	Devices
P2-Dev04	Futami Nagano	Health Sciences University	A method for analyzing alloy composition of metallic restorations and prostheses placed in a patient's mouth by sampling an ultra small amount of metal powders	Devices

Young Investigator Award Competition

Saturday, May 28, 04:00–06:00 pm [Seminar Room 4: Closed-door Presentation]/ (Recommended) Sunday, May 29, 10:30–11:30 am [Seminar Room 3: open to the public]

YIA01	Masahiro Okada	Synthesis of Hydroxyapatite Nanocrystals and Their Application as Coating Agents for Biodegradable polymers	Composites
YIA02	Jiang Wu	Calcium Phosphate Nucleation Ability on the Titanium Surface Modification via Alkylphosphonic Acid with Carboxyl Group	Metallic Dental Materials
YIA03	Mijoo Kim	Cytotoxicity test using Polyurethane disc as Dentin-substitutes in a Dentin Barrier Test	Biocompatibility
YIA04	Kyung-Mi Son	The effects of N-acetylcysteine on cytotoxicity and anti-differentiation activity of dentin bonding agents	Biocompatibility
YIA05	Ranna Yoshikawa	Evaluation of antibacterial effects of an experimental primer containing MDPB for resin-based root canal filling system	Polymeric Dental Materials
YIA06	Chitvaree Leetrakulwana	Effect of sodium ascorbate on bond strength to bleached enamel	Adhesion
YIA07	Billigayza Dorj	Nanocomposites scaffolds reinforced with modified multi-walled carbon nanotubes for hard tissue engineering	Polymeric Dental Materials
YIA08	Kana Sakai	Effects on bone regeneration when collagen model polypeptides are combined with various sized alpha-tricalcium phosphate particles	Implant Dentistry
YIA09	Tomofumi Sawada	Surface property and streptococcal adherence of Co-TZP/Al2O3 nanocomposite	Ceramic Dental Materials
YIA10	Yusuke Ida	Mechanical Retention for Low-fusion porcelain and the Sponge-Like Surface of 14K Gold alloy	Metallic Dental Materials
YIA11	Jeong-Hui Park	Mechanical and biological performances of nanocomposite fibrous membranes for guided bone regeneration	Polymeric Dental Materials
YIA12	Masaaki Nakai	Dependence of silane coupling agent on shear bonding strength between titanium alloy and segmented polyurethane after immersion in water	Adhesion
YIA13	Keisuke Abe	Flexural properties of a new face guard core material measured by three point bending test	Miscellaneous
YIA14	Sung-Bin Hong	Electrical Polarization Characteristics and BSA Binding Capability of Hydrothermally Treated CaTiO3 Powder	Biocompatibility
YIA15	Carolina Samano-Valencia	Incorporation of Silver Nanoparticles to Chitosan Gel and Evaluation of Its Bactericidal Effect	Adhesion

Oral Presentations I

Sunday, May 29, 8:30 am – 10:30 am [Eun-Myung Auditorium, 6th floor]

O1-Adh01	Atsushi Mine	Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences	TEM characterization of a silane composite bonded to enamel/dentin	Adhesion
O1-Com01	Jung-Ju Kim	Dankook university	Biopolymer-coated glass nanofibers with bioactivity for use as tissue regenerative matrices	Composites
O1-Com02	Takatsugu Yamamoto	Tsurumi University School of Dental Medicine	Contractor Stresses in Direct and Indirect Resin Composite Restorations Evaluated by Crack Analysis	Composites
O1-Com03	Rajendra Kumar Singh(Singh RK)	Dankook university	Biocompatible-modified magnetic nanoparticles for biomedicine	Composites
O1-Com04	Song Zhu	Hospital of Stomatology, Jilin University	Curing Efficiency of Three Different Curing Modes at Different Distances for Four Composites	Composites
O1-Pol01	Xinyi Zhao	School of Stomatology, Fourth Military Medical University	The Influence of film-forming materials on the properties of fluoride varnish	Polymeric Dental Materials
O1-Pol02	Kahoru Takeda	Osaka University Graduate School of Dentistry	Development of 4-META/MMA-based adhesive resin with FGF-2 releasing property - Influences of resin monomers on functions of FGF-2 -	Polymeric Dental Materials
O1-Pol03	SAMAN MALIK MASUDI	SCHOOL OF DENTAL SCIENCES UNIV. SAINS MALAYSIA	Effect of polymer-based rotary file in root canal irrigation on smear layer removal: A SEM study	Polymeric Dental Materials
O1-Mis01	Yu Furuya	Osaka University Graduate School of Dentistry	Analysis of strengthening mechanisms of human dentin by UV irradiation	Miscellaneous
O1-Mis02	Noriyuki Wakabayashi	Tokyo Medical and Dental Univ.	Biomechanics of viscoelastic masticatory mucosa	Miscellaneous
O1-Mis03	JimMin Lee	Yonsei university	Tooth whitening, heat and cytocompatibility of the mixture of self-heating zeolite and 34.5% hydrogen peroxide	Miscellaneous
O1-Mis04	Tatsuhide Hayashi	Aichi Gakuin University School of Dentistry	Bone-like tissue induced by rhBMPs in vitro has ossification potential in vivo	Miscellaneous

Oral Presentations II

Sunday, May 29, 8:30 am – 10:30 am [Lecture Hall A, 3rd floor]

O2-Imp01	Yumsei Zhang	Fourth military medical university	Immobilization of Ag Nanoparticles/FGF-2 on Modified Titanium Implant Surface and Behavior of Human Gingival Fibroblasts	Implant Dentistry
O2-Imp02	Akihiro Furuhashi	Kyushu University	Enhancement of fibroblast growth on microgroove-surfaced pure titanium substratum	Implant Dentistry
O2-Imp03	Eri Hirata	Hokkaido University Graduate School of Dental Medicine	Application of carbon nanotube coated 3D scaffold for bone tissue engineering	Implant Dentistry
O2-Imp04	Kanji Tsuru	Kyushu University	In vitro and in vivo evaluation of Ca-modified titanium with Ca-ozone treatment	Implant Dentistry
O2-Imp05	Kunio Ishikawa	Kyushu University	Effects of Granular Size on the Tissue response to Carbonate Apatite Granules in Rabbit	Implant Dentistry
O2-Imp06	Tatsushi Kawai	Aichi-gakuin University	Osteoinductive Activity of BMP-Metal Composite Material	Implant Dentistry
O2-Met01	Yonghwan Kim	Graudate Student of Tohoku Univ.	Unique hardening behavior of dental Ag-Pd-Au-Cu alloys with different Cu contents through solution treatment	Metallic Dental Materials
O2-Met02	Yutaka Oda	Tokyo Dental College	Electrochemical Impedance Spectroscopy Analyses of Titanium Alloys in Peroxide- or Fluoride-containing Solutions	Metallic Dental Materials
O2-CAD01	you hwa Kang	Yonsei University College of Dentistry	Influence of Nb and Fe additions on microstructure, mechanical properties of Ni-Cr-Mo alloy for CAD/CAM	CAD/CAM
O2-Bio01	Tohru Hayakawa	Tsurumi University School of Dental Medicine	Bisphosphonate immobilization to Apatite coated Titanium Web for Bone Regeneration	Biocompatibility
O2-Bio02	Hyeyoung Lee(2ea)	Dankook University, WCU	Room-temperature ionic liquids (RTILs)-assisted preparation of polymeric porous scaffolds	Biocompatibility
O2-Bio03	Fumikazu Daiton	Kyushu University	In vitro evaluation of osteoclastic resorption on carbonate apatite block derived from dicalcium phosphate and calcium carbonate	Biocompatibility
O2-Bio04	Jaee-Sung Kwon	Yonsei University	The cytotoxicity evaluation of the poly(vinyl siloxane) impression materials using the agar diffusion test as a function of time	Biocompatibility

Oral Presentations III

Sunday, May 29, 8:30 am – 10:30 am [Lecture Hall B, 3rd floor]

O3-Cer01	Utako Hata	Asahi Univ.	A comparison of the bond strengths of layered and pressed-on veneering porcelains to zirconia	Ceramic Dental Materials
O3-Cer02	Min-Ho Hong	Yonsei University College of Dentistry	Calcium Phosphate Hollow Spheres for Hard Tissue Repair	Ceramic Dental Materials
O3-Cer03	Sung-min Kim	Yonsei University College of Dentistry	β-Tricalcium Phosphate with Macropores and Micropores	Ceramic Dental Materials
O3-Cer04	Ke Zhao	Sun Yat-sen University, Guanghua School of Stomatology	Esthetic rehabilitation of bi-arch anterior teeth utilizing zirconia-based-ceramic restorations: a case report	Ceramic Dental Materials
O3-Cer05	OH SUN-AE	Dankook univ.	Assessment of osteogenic responses to zinc-incorporated bioactive glasses	Ceramic Dental Materials
O3-Cer06	Park Jeong-Hui	dankook university	Self-setting calcium phosphate microspherical carriers for the reconstruction of hard tissues	Ceramic Dental Materials
O3-Cer07	Jiro Tsuruki	Kagoshima university	Bonding strength between zirconia and dental porcelain (Part 4) Interaction of surface roughness with firing temperature	Ceramic Dental Materials
O3-Cer08	Kenzo Asaoka	Tokushima University	Porosity of dental gypsum investments in setting and heating process	Ceramic Dental Materials
O3-Cer09	Taro Nikaïdo	Kyushu University	Fabrication of TCP foam using magnesium oxide as stabilizer	Ceramic Dental Materials
O3-Cer10	Hideo Sato	Kagoshima University	Effect of surface treatment on bonding strength of zirconia ceramics to resin cements	Ceramic Dental Materials
O3-Cer11	shibao li	The Fourth Military Medical University, school of stomatology	PMMA-ZrO2 composite with excellent machinability used for dental CAD/CAM system	Ceramic Dental Materials
O3-Cer12	Ke Zhao(2ca)	Sun Yat-sen University, Guanghua School of Stomatology	Dynamic Fatigue Behavior and Numerical Life of Dental Ceramic Material	Ceramic Dental Materials

Poster Presentation III

Sunday, May 29, 10:30 am – 11:30 am [Seminar Room 2-3]

P3-Adh01	Tomotaro Nihai	Kanagawa Dental College	Water Resistance of Novel Silane having Hydrophobic and Polymerizable Group	Adhesion
P3-Adh02	Shigeru Hirabayashi	Tsurumi University School of Dental Medicine	Effect of HEMA in Bonding Agent on Adhesion of Resin to Enamel and Dentin	Adhesion
P3-Adh03	Masanori Hashimoto	Health Sciences University of Hokkaido	Ag2O-doped Bioglass as an Inhibitor of Matrix Metalloproteinases	Adhesion
P3-Adh04	Shusuke Kusakabe	Asahi University School of Dentistry	Relationship between Thin-film Bond Strength and Indentation Hardness for One-step Bonding Agents	Adhesion
P3-Adh05	Kenzo Yasuo	Osaka Dental University	Application of Various Lining Materials to Dental Hard Tissues Irradiated by Er:YAG Laser	Adhesion
P3-Adh06	Satoko Ouchi	osaka dental university	Study of newly-developed high power LED curing light unit - Influence on bonding resin -	Adhesion
P3-Adh07	Keiichi Moriguchi	Aichi-Gakuin University	H2O2 Production from Different Types Metal Plates Adherent Human Polymorphonuclear Leukocytes	Adhesion
P3-Adh08	YoungZu Kim	Vericom CO., LTD	The influence of creep properties and the shear bond strength of dental resin cement.	Adhesion
P3-Adh09	Jung-Yun Ha	Kyungpook National University	Effect of silane and alkali treatment on the shear bonding strength between alloys and PMMA resin	Adhesion
P3-Adh10	Shih-Hao Huang	University of Minnesota	An Evaluation of the Brazilian Disc Test for Bond Strength Measurement	Adhesion
P3-Adh11	Suwadee Acharuncho	Faculty of Dentistry, Khon Kaen University	Adhesion of Putty Condensation Silicone and Light Body Addition Silicone	Adhesion
P3-Adh12	norihito nishiyama	Nihon University School of Dentistry at Matsudo	Development of one-step bonding agent	Adhesion
P3-Adh13	Kohci Onda	Osaka Dental University	Restoration of vertically fractured teeth by adhesion and replantation - Adhesive strength of resin cements for root dentin	Adhesion
P3-Adh14	Akihiro Fujishima	Showa University	Bonding characteristics of orthodontic adhesives to experimental zirconia bracket applied with several pre-treatments for the bonding	Adhesion
P3-Adh15	youngho Kim	Kyunghee University	A study on shear bond strength and adhesive durability of self-adhesive resin cements according to wet conditions of dentin surface	Adhesion
P3-Adh16	Juan Pablo Loyola-Rodriguez	San Luis Potosi University	Nanostructure Evaluation of Healthy and Fluorotic Dentin by AFM After Etching with Phosphoric Acid	Adhesion
P3-Adh17	Alejandra Loyola-Leyva	San Luis Potosi University	TENSILE BOND STRENGTH EVALUATION OF BONDED MOLAR TUBES ON FLUOROTIC ENAMEL	Adhesion
P3-Com01	Hong-Min Kwon	Hallym College (Chonbuk National University)	Effect of Thermal Cycling on the Bi-axial Flexural Strengths of Dental Nano-Filled Composite Resin	Composites
P3-Com02	Kyung-Seon Kim	Jeonju Kijeon College (Chonbuk National University)	Effect of Thermal Cycling on the Transverse Strength of Nano-Filled Composite Resin for Dental Restoration	Composites
P3-Com03	Jie Lin	The Nippon Dental University, School of Life Dentistry at Tokyo	Effect of filler particle size and morphology on the mechanical properties of nanofiller containing resin composites	Composites
P3-Com04	Masafumi Kanehira	Tohoku University Graduate School of Dentistry	Depth of Cure of Light-activated Nanofiller Containing Resin Composites	Composites
P3-Com05	Chaivat Varabohn	Faculty of Dentistry, Chulalongkorn University	Effect of different core stiffness on fracture resistance of endodontically treated teeth with lared root	Composites
P3-Com06	Jianmin HAN	Peking university	Comparative study of wear resistance and surface roughness of the nanofiller containing composites and microhybrid composites	Composites
P3-Com07	Rojjane Luangwattanakij	Faculty of Dentistry, Chulalongkorn University	Color Stability of Resin Cements after Ultraviolet Artificial Aging	Composites
P3-Com08	pornpot jiangkongkho	Faculty of Dentistry, Chulalongkorn University	Fracture resistance of endodontically treated teeth restored with different fiber reinforced composite post lengths	Composites
P3-Com09	pisaisit chaijareon	Faculty of Dentistry, Chulalongkorn University	Effect of different silane coupling agent amounts silanized on alumina filler on flexural strength of methacrylate denture base	Composites
P3-Com10	Harunori Gomi	The Nippon Dental University, School of Life Dentistry at Tokyo	Optimum Design of Glass Fiber Reinforced Resin Bridge: Part I Effect of Glass Fiber Reinforce for Flexural Strength	Composites
P3-Com11	Hiroko SOMA	The Nippon Dental University School of Life Dentistry at Niigata	Effect of Filler Particle Alloy of Magnetic Composite Resin and Magnet Type on Magnetic Attractive Force	Composites
P3-Com12	Shuichi Yamagata	Hokkaido University Graduate School of Dental Medicine	Optical and Mechanical Properties of Poly (methyl methacrylate)/Montmorillonite Nanocomposites	Composites
P3-Com13	Mitsuru Hasegawa	Nippon Dental Univ. Hospital	Effect of Light Sources on Vickers Hardness of Resin Composites	Composites
P3-Com14	Mayumi Iijima	Asahi University	Flexural Behavior of Collagenous Matrix Consolidated by a Warm Isostatic Pressing	Composites
P3-Com15	Sang-Hyun An	Osaka university	Porous Zirconia/Hydroxyapatite Scaffolds for Bone Reconstruction Combined with Bone Regeneration	Composites
P3-Com16	Reiko Komasa	Osaka Dent University	Study of the toothbrush abrasion of composite resin	Composites
P3-Com17	Izuru NISHIKAWA	Osaka Institute of Technology	Fatigue Strength of Filler Hybrid Type Resin Composite - Effect of Filler Size on Fatigue Strength -	Composites
P3-Com18	Dong Ae Kim	Dankook university , school of dentistry	Effect of Chitosan Addition on the Mechanical Properties of Glass Ionomer Cement	Composites
P3-Com19	Wataru Saito	Tsurumi University School of Dental Medicine	Correlation between Color Change of Resin Composites and Exposure Time to Xenon Lamp Radiation	Composites
P3-Com20	Toshio Maseki	Nippon Dental University	Influence of the home whitening to the discolored resin composite	Composites
P3-Com21	Keita Yokota	Osaka Dental University	Study on newly high power LED curing light unit - Influence of Curing of composite resins -	Composites
P3-Com22	Zoljargal Purevtsemb...	Tokyo medical and dental university	Characteristics of recent veneering composite resins	Composites
P3-Com23	Takahiro Kato	Kochi University of Technology	Development of New Hybrid Resins for Crown (Part 6) - Impact Resistance	Composites
P3-Com24	Natthavoot Koottathape	Dentistry, Tokyo Medical and Dental University	Influence of third body media on wear of composite resins	Composites
P3-Com25	Youssef AJ Jabbari	King Saud University, College of Dentistry, Biomaterial Research and Development Chair	The Effect of Three Different Surface Treatments on The Retention of Composite Core Material on Prefabricated Post-heads	Composites
P3-Pol01	Guang Hong	Tohoku University, Graduate School of Dentistry	Influence of sericin powder on the water absorption characteristics of tissue conditioners	Polymeric Dental Materials
P3-Pol02	Ji Young Song	Gangneung-Wonju National University	Bone regeneration ability of Silk fibroin membrane for the guided bone regeneration technique	Polymeric Dental Materials
P3-Pol03	Su-Yeon Im	Yonsei University College Of Dentistry	Time-dependent Changes in the Hardness of Elastomeric impression materials	Polymeric Dental Materials
P3-Pol04	Pii Suwanmaroop	Faculty of Dentistry, Chulalongkorn University	In vitro wear resistance of artificial denture teeth	Polymeric Dental Materials
P3-Pol05	Da-Ryung Park	Wonkwang University	The Effect of Repairing Methods on Reinforcing Fractured Denture Base Resin	Polymeric Dental Materials
P3-Pol06	Sang-Hee Yu	Wonkwang University	The Effect of Aramid Fiber Orientation on the Mechanical Properties of Denture Base Resin	Polymeric Dental Materials
P3-Pol07	Nana Mori	Fukuoka Dental College	Cell viability and tissues response of DNA/protamine complexes with different DNA length(47bp, 48bp, 50bp Abstract Duplication)	Polymeric Dental Materials
P3-Pol08	Dong Ae Kim	Dankook university , school of dentistry	Annealing Effect on the Mechanical Behaviour of PLA/TCP Composite	Polymeric Dental Materials
P3-Pol09	OH SUN-AE	Dankook univ.	Mineralization of biopolymer scaffolds and culturing of bone marrow mesenchymal stem cells	Polymeric Dental Materials
P3-Pol10	somchai urapophon	Mahidol university	Depth of cure of resin composite cured by light through a translucent fiber post	Polymeric Dental Materials
P3-Pol11	Akio Izumida	Tohoku University Graduate School of Dentistry	Mechanical Properties of a New Hybrid Hard Resin for Crowns and Bridges	Polymeric Dental Materials

P3-Pol12	Junhwek Kim	Yonsei University	Deminerlization Resistance and Shear Bonding Strength of Light-Cured Glass Ionomer Cement after the Addition of Nano Beta-Tricalcium Phosphate in Various Ratio	Polymeric Dental Materials
P3-Pol13	KWANG-MAHN KIM	YONSEI UNIVERSITY	Radio-opacity and Sensitivity to Ambient Light Test of Polymer-based Restorative Materials	Polymeric Dental Materials
P3-Pol14	Fazal Reza	Universiti Sains Malaysia	Effects of resin cements on hardness, thickness and bond strength with titanium post: an intraradicular assessment	Polymeric Dental Materials
P3-Pol15	Ju-Na Chun	Kyungpook National University	Shear bond strength of each layer of artificial teeth to denture base resin	Polymeric Dental Materials
P3-Pol16	Daisuke Usuki	GC Corporation	The flowability of the light body silicone impression material used by a double-mix technique and the hydrophilicity of the light body impression material.	Polymeric Dental Materials
P3-Pol17	Naoya Ueda	School of Denstry Aichi-Gakuin University	An analysis of the surface properties of orthodontic plastic bracket materials by plasma irradiation at atmospheric pressure	Polymeric Dental Materials
P3-Pol18	Jung-Ju Kim(27)	dankook university	Tubular calcium phosphate nanomaterials as a drug carrier for bone and tooth repair	Polymeric Dental Materials
P3-Pol19	Hyeyoung Lee(27)	dankook university / WCU	Novel approach to produce nanofibrous membranes of biopolymers	Polymeric Dental Materials
P3-Pol20	Kyosuke Ito	Niigata University	Surface modification of PMMA by LEB irradiation	Polymeric Dental Materials
P3-Pol21	Yusuke Aoyagi	the nippon dental unv	Application of a Noble Metal Cluster for the Denture Base Resin	Polymeric Dental Materials
P3-Pol22	Chaivut Prunkangarpun	Khon Kaen University	Effect of nano silver acrylic resin against adhesion of Candida albicans	Polymeric Dental Materials
P3-Pol23	GYU RI KIM	Dankook university/ school of dentistry	Flexure Strengths of Acrylic Denture Resins Measured by Ring-on-Ring Biaxial Test	Polymeric Dental Materials
P3-Pol24	Yuta Kasuga	Tokyo Medical and Dental University	Evaluation on physical properties of experimental fluorinated, acrylic-based, and silicone rubber-based soft lining materials	Polymeric Dental Materials
P3-Pol25	Haruaki Kitagawa	Osaka university	Assessment of evolution of resistance to antibacterial agents and an antibacterial monomer MDPB in oral bacteria	Polymeric Dental Materials
P3-Pol26	Jiro Tanaka	Okayama University	Flexural properties of thermo-polymerized PMMA/ethylene glycol dimethacrylates pastes	Polymeric Dental Materials
P3-Pol27	Yujin AOYAGI	Kanagawa Dental College	Dimensional stability and tensile strength of the new vinyl polysiloxane impression material for home-visit dental care	Polymeric Dental Materials
P3-Pol28	Naohiko IWASAKI	Tokyo Medical and Dental Univ.	Bond strength and viscoelasticity of MMA-based and silicone-based denture liners	Polymeric Dental Materials
P3-Pol29	Nobuaki YAMAGUCHI	Oral Biomaterials & Technology	Effect of buff polishing on the fundamental properties of commercial thermoplastic resins	Polymeric Dental Materials

Seminar Room 1: IDMC2011 Secretariat
Slide Pre-view
Luggage Keeping (only on Sunday)

Seminar Room 4: Complimentary Sandwich/Drinks
Young Investigator Award Competition (Saturday 04:00 - 06:00 pm)