The 62nd General Session of the Japanese Society for Dental Materials and Devices(JSDMD)

– Aug.2, Oct.3(Rev.) –
October 19 (Saturday) – 20 (Sunday), 2013
The Nippon Dental University, School of Life Dentistry at Niigata
1-8 Hamaura-cho. Chuo-ku, Niigata 951-8580, Japan

October 19 (Saturday)
Hall A
9:55 – 10:00 Opening Remark
9:30 – 11:45 General Presentation (Oral Session)

A-1 Vinyl ester/polymer mixture system (Part 14) Preparation of original powder-liquid mixed type low water absorption PMMA based resin
O Tanaka Jiro[1], Irie Masao[1], Hashimoto Yoshiya[2], Takeda Shoji[2], Matsumoto Takuya[1]
[1]Okayama University, [2]Osaka Dental University

A-2 Influence of chlorine dioxide on the physical properties of denture base materials
O Shinhara Takuya[1], Maeda Takeshi[1], Hong Guang[2], Wang Wei-qi[2], Nishizaki Hiroshi[1], Okazaki Joji[1]
[1]Osaka Dental University, [2]Tohoku University

A-3 Capability evaluation of orthodontic Gummetal springs by finite element method
O Kawamura Jun[1], Kojima Yukio[2], Fukui Hisao[1]
[1]Aichi Gakuin University, [2]Nagoya Institute of Technology

A-4 Relevance of released ions to antibacterial activity of S-PRG filler
O Miki Saeki, Kiba Wakako, Kitagawa Ranna, Hayashi Mikako, Imazato Satoshi
Osaka University

A-5 Influence of electrically poling apatite to human periodontal ligament cells
O Arai Hiroshi, Nagai Akiko, Nozaki Kousuke, Nakamura Miho, Yamashita Kimihiro
Tokyo Medical and Dental University

A-6 Effect of surface modification on initial attachment of MG-63 on zirconia surface
O Ando Masahiko, Sasaki Keisuke, Kawase Mayu, Kawai Tatsushi, Murakami Hiroshi, Hattori Masami, Ban Seiji
Aichi Gakuin University

A-7 Application of a bioluminescence-based cytotoxicity assay to the development of resin monomers
O Egashira Miki, Orimoto Ai, Suzuki Takahiro, Mizuno Mitsumasa, Ueno Atsuko, Fujimoto Kohtarou, Kawai Tatsushi
Aichi Gakuin University

Hall A
13:00 – 14:00 Special Lecture
Redefining tooth regeneration: a more practical road from basic research to therapeutic application
Nakahara Taka
Department of Developmental and Regenerative Dentistry, School of Life Dentistry at Tokyo, The Nippon Dental University

15:50 – 16:50 General Presentation (Oral Session)

A-8 Mechanical properties of octacalcium phosphate compact formed from different crystals
O Iijima Mayumi, Wakamatsu Nobukazu, Komada Yuko, Kamemizu Hideo, Tamaki Yukimiti
Asahi University

A-9 Hydro thermal apatite synthesis from Calcium oxide and Polyphosphate
O Narusawa Hideaki[1], Owada Hiroyuki[1], Takiguchi Yuichi[1], Kataoka yu[1], Tamaki ukimichi[2], Miyazaki Takashi[1]
[1]Showa University, [2]Asahi University

A-10 Controlling porosity and composition in nanoporous calcium phosphates
O Okada Masahiro, Uehira Mayo, Fujiwara Keiko, Matsumoto Naoyuki, Takeda Shoji
Osaka Dental University
A-11 Preparation of tricalcium phosphate cement using $\alpha-\beta$ phase transition
O Arahira Takaaki, Maruta Michito, Matsuya Shigeki
Fukuoka Dental College

October 19 (Saturday)
Hall B
10:00 - 16:30 General Presentation (Poster Session) (14:15 - 15:45 Discussion)

P-1 Evaluation method of hard direct denture reline resins -Biocompatibility & dinamic mechanical properties-
O Takase Kazuma[1], Suehiro Fumio[1], Watanabe Ikuya[1], Nishimura Masahiro[2], Murata Hiroshi[1]
[1]Nagasaki University, [2]Kagoshima University
P-2 Regulation of salivary gland morphogenesis using peptide modified hydrogel
O Taketa Hiroaki, Sathi Glusan Ara, Farahat Mahmoud, Torii Yasuhiro, Matsumoto Takuya
Okayama University
P-3 Evaluation of surface treatments on bond strength between polyamide resins and chemical-cured resin
O Asakawa Yuya[1], Takahashi Hidekazu[1], Iwasaki Naohiko[1], Kobayashi Masahiro[2]
[1]Tokyo Medical and Dental University, [2]Chiba Institute of Technology
P-4 Mechanical properties of polymers made from polymer/monomer mixtures of methacrylic ester
O Kanie Takahito, Arikawa Hiroyuki, Kikuchi Masafumi, Kadokawa Akihiko
Kagoshima University
P-5 Mechanical properties of flowable hard resin for crowns and bridges
O Izumida Akio, Ishibashi Minoru, Kasahara Shin
Tohoku University
P-6 Toothbrush abrasion of resin Luna-Wing for crown and bridge
O Tsuneishi Mari, Kato Takahiro, Anraku Teruo
Yamamoto Precious Metal Co., Ltd.
P-7 Grinding of dental zirconia -Grinding efficiency with dental abrasive points -
O Tsuruta Shozo, Mizuno Masanobu, Uematsu Yasuaki, Fujimoto Kotaro, Kawai Tatsushi, Yamamoto Iitiro
Aichi Gakuin University
P-8 Bond strength between zirconia and porcelain veneer
O Goto Shin-ichi, Kakuta Kiyoshi, Miyagawa Yukio
Nippon Dental University at Niigata
P-9 Characteristics of reflected light from Transpa Dentine porcelain for veneering zirconium dioxide substructure
O Shiraishi Takanobu[1], Ikeda Kahori[2], Shinozaki Nobuya[3], Watanabe Ikuya[1]
[1]Nagasaki University, [2]Iruka Dental Clinic, [3]Kyushu Institute of Technology
P-10 Cell adhesion on micro/nano-patterned apatite scaffold
O Akasaka Tsukasa, Watari Fumio
Hokkaido University
P-11 Effect of laser irradiation angle on the penetration depth of titanium
O Kikuchi Hisaji, Kaketani Masahiro, Hiraguchi Hisako, Kurotani Tomoko, Hirose Hideharu, Yoneyama Takayuki
Nihon University
P-12 Development of hybrid composite resins for CAD/CAM processing (Part1): A detection method of air bubbles inside the resin materials
O Kato Takahiro[1, 2], Saigo Kazuhiko[2], Anraku Teruo[1]
[1]Yamamoto Precious Metal Co., Ltd., [2]Kochi University of Technology
P-13 Electrical welding of titanium alloy wires for orthodontics
O Nakao Noriko, Matsunaga Junko, Watanabe Etsuko, Yoshida Noriaki, Watanabe Ikuya
Nagasaki University
P-14 Dental restorations created by 3D printer Part 1 Dimensional accuracy of the fixture created by stereo lithography

O Ishida Yoshiki, Miyasaka Taira, Aoki Harumi, Aoyagi Yusuke, Miura Daisuke, Shinya Akiyoshi, Shimizu Sakura
Nippon Dental University at Tokyo

P-15 Antibacterial activity of apatite photocatalyst(La-OAP)/HAP complex
O Komada Yuko, Kamemizu Hideo, Noda Yoko, Iijima Mayumi, Hotta Masato, Tamaki Yukimichi
Asahi University

P-16 Model studies on bleaching with toothpaste containing apatite photocatalyst
O Kamemizu Hideo, Komada Yuko, Noda Yoko, Horiguchi Takashi, Iijima Mayumi, Wakamatsu Nobukazu, Hotta Masato, Tamaki Yukimichi
Asahi University

P-17 The application limit of the bending test
O Nagasawa Sakae, Kawase Yuji, Takeuchi Ken
Matsumoto Dental University

P-18 Comparative study of osteogenic differentiation induced by BMP-2-contained osteogenic media for mouse and human mesenchymal stem cells
O Honda Yoshitomo, Hashimoto Yoshiya, Imai Koichi, Takeda Shoji
Osaka Dental University

P-19 A study of strategy beneficial for patients by utilizing title system of Japanese society for dental materials and devices
O Kanatani Mitsugu, Okawa Seigo, Yamaga Yoshio, Kaneko Hiromi, Izumi Kenji
Niigata University

October 19 (Saturday)
Hall C
10:00 - 16:30 General Presentation (Poster Session) (14:15 - 15:45 Discussion)

P-20 Analysis of the zirconia surface treated with phosphoric acid monomers
O Nagaoka Noriyuki, Tamada Yoshiyuki, Irie Masao, Yoshihara Kumiko, Yoshida Yasuhiro, Nishigawa Goro, Maruo Yukinori, Matsumoto Takuya, Minagi Shogo, Hayakawa Satoshi
Okayama University

P-21 Effect of acid treatment on bond strength of resin composite to Er,Cr:YSGG Laser prepared dentin
O Kato Chikage, Suzuki Masaya, Arita Shoko, Kawashima Satoki, Takada Mayo, Nagai Yuta, Shinkai Koichi
Nippon Dental University at Niigata

P-22 Dentin bond strengths of a dual-cured adhesive system -Shear bond strengths without light irradiation-
O Suzuki Masaya, Takada Mayo, Kawashima Satoki, Arita Shoko, Nagai Yuta, Kato Chikage, Shinkai Koichi
Nippon Dental University at Niigata

P-23 Evaluation of the adhesive strength of resins with a newly developed primer against precious metals, non-precious metals and ceramics
O Kimura Hiroaki[1], Kato Takahiro1[2], Saigou Kazuhiko[2], Anraku Teruo[1]
[1]Yamamoto Precious Metal Co., Ltd., [2]Kochi University of Technology

P-24 Bond strength of opaque porcelain materials to Co-Cr alloys frame using laser-sintering method
O Shinya Akihiro[1], Atarashi Mitsuhiro[2], Mori Machiko[2], Shinya Akikazu[1, 3], Hatta Minori[1], Kuroda Soichi[1], Harada Kosuke[1], Aoki Harumi[1], Suganuma Kaichiro[2], Miyasaka Taira[1], Shinya Akiyoshi[1]
[1]Nippon Dental University at Tokyo, [2]SANWA Dental, [3]University of Turku

P-25 Effect of long term immersion in disinfectant of silicone rubber impressions with multiple-mix-technique on the dimensional accuracy of stone models
O Hiraguchi Hisako, Kaketani Masahiro, Kikuchi Hisaji, Hirose Hideharu, Yoneyama Takayuki
Nihon University

P-26 Methods to obtain suitable bonding of silicone rubber to mouth guard sheet
O Fukasawa Shintaro, Churei Hiroshi, Wada Takahiro, Uo Motohiro, Takahashi Hidekazu, Ueno Toshiaki
Tokyo Medical and Dental University

P-27 Surface modification effect of teeth and dental materials -Antimicrobial effect of a novel silane coupling agent-
O Miyake Kaori[1], Nihei Tomotaro[1], Tomiyama Kiyoshi[1], Mukai Yoshiharu[1], Ohashi Katsura[1],

Oshikawa Akihiro[1], Yoshino Norio[2], Teranaka Toshio[1]
[1]Kanagawa Dental University, [2]Tokyo University of Science

P-28 Effect of low-temperature softening type gutta-percha added with Cetylpyridinium chloride on Dental bacteria

O Tomino Masafumi, Nagano Keiji, Kuroki Kenjiro, Takahashi Yoshifumi, Hayashi Tatsuhide, Kawai Tatsushi
Aichi Gakuin University

P-29 In-vitro biocompatibility of an expandable root canal filling material in wet condition

O Eid Ashraf, Watanabe Ikuya
Nagasaki Univesity

P-30 Development of an antibacterial conditioner containing MDPB -Evaluation of antibacterial effects against oral bacteria-

O Tatsumi Nanako, Kitagawa Ranna, Kitagawa Haruaki Hayashi Mikako, Imazato Satoshi
Osaka University

P-31 Study on some properties of a newly developed self-cured acrylic resin with low curing temperature

O Komada Wataru, Matsukawa Kyoushi, Omori Satoshi, Nemoto Reina, Kumagae Naosuke, Shin Chiharu, Otake Shiho, Matsui Hideto, Kubo Mariko, Miura Hiroyuki
Tokyo Medical and Dental University

P-32 All-ceramic crown prepared by a new method – the influence of glass infiltration condition –

O Masuda Takayuki, Komasa Yutaka, Kakimoto Kazutosi, Inoue Tarou, Takahashi Kazuya
Osaka Dental University

P-33 Test production of temporary luting agent consisting of PMMA (2) -Pressure Displacement-

O Ryukata Ichiro, Okada Hidetoshi, Ishida Yoshinori, Kawashima Isao
Ohu University

P-34 Comparison of dentin tubule occluding ability of four dentin desensitizers

O Han Rinrin, Okiji Takashi
Niigata University

P-35 Detection and chemical state analysis of trace metallic elements contained in the oral lichenoid lesion using quantum beams

O Sugiyama Tomoko[1, 2], Wada Takahiro[2], Hongo Toshio[2], Uo Motohiro[2]
[1]Jichi Medical University, [2]Tokyo Medical and Dental University

P-36 The development of the new functional water rectified of isotonic property closely to the physiological saline solution's(Part1)-In case of the acidic water-

O Yoshida Takaichi[1], Yoshida Koichi[1], Yoshida Mari[2]
[1]Toho Dental Callege, [2]Yoshida Dental Clinic

P-37 Bond strength of orthodontic bracket to enamel with two adhesive systems and additional fiber-reinforced composite intermediate layer

O Shinya Makiha[1,2], Shinya Akikazu[1,3]
[1]University of Turku, [2]Hioki orthodontic clinic, [3]Nippon Dental University at Tokyo

P-38 Preparation of a poly lactic acid/layered silicate nanocomposite for using as a dental material

O Nakanishi Ko, Yamagata Shuichi, Hamba Yusuke, Akasaka Tsukasa, Watari Fumio, Iida Junichiro
Hokkaido University

P-39 Influence of micro/nano materiales on osteoblast-like cell

O Abe Shigeaki, Iwadera Nobuki, Hamba Yusuke, Yamagata Shuichi Akasaka Tsukasa, Yawaka Yasutaka, Watari Fumio
Hokkaido University

October 20 (Sunday)
Hall A
9:30 – 11:30 General Presentation (Oral Session)

A-12 Evaluation of mechanical properties of dental composites by multiscale in silico analysis

O Yamaguchi Satoshi, Imazato Satoshi
Osaka University

A-13 Evaluation of reference model reproduction using by 3Shape and 3D-Printer

O Shimizu Sakura[1], Shinya Akikazu[1, 2], Kuroda Soichi[1], Shinya Akihiro[1], Harada Kosuke[1], Yamaguchi Yoshio[1], Kawakami Toru[3], Aso Toshimasa[3], Ishida Yoshiki[1], Miyasaka Taira[1], Shinya Akiyoshi[1]

[1]Nippon Dental University, [2]University of Turku, [3]ASO International

A-14 A new method to fabricate zirconia copings using Nd:YVO_4 laser -surface Raman analysis of machined surface-

O Kazama-Koide Miku, Ohkuma Kazuo, Ogura Hideo, Miyoshi Ai, Miyagawa Yukio

Nippon Dental University

A-15 Low temperature degradation and flexural strength change of high translucent zirconia

O Suzuki Takayuki, Yoshihara Kentaro, Kawai Tatsushi, Murakami Hiroshi, Hattori Masami, Ban Seiji

Aichi Gakuin University

A-16 Staining and discoloration of high translucent zirconia

O Ban Seiji, Okada Yuji, Suzuki Takayuki, Kawai Tatsushi

Aichi Gakuin University

A-17 Static and fatigue strength of surface-roughened zirconia

O Yoshinari Masao, Harada Rino, Soejima Hirotaka, Takemoto Shinji, Hattori Masayuki, Kawada Eiji, Oda Yutaka

Tokyo Dental College

A-18 Histological evaluations of bone re-generation in rat calvarial bone defects by nano-apatite/collagen composites

Hatekeyama Wataru, OTaira Masayuki, Kihara Hidemichi, Kondo Hisatomo

Iwate Medical University

A-19 Osteoinduction of recombinant human Bone Morphogenetic Protein-2(rhBMP-2) with the metallic three-dimensional scaffold

O Fuyamada Hironari, Miyamae Shin, Matsumura Akiko, Ueno Atsuko, Hayashi Tatsuhide, Kawai Tatsushi, Hattori Masami

Aichi Gakuin University

Hall A

13:00 - 13:45 General Presentation (Oral Session)

A-20 Bone adaptation of thin apatite coated zirconia implant

O Hirota Masatsugu[1], Hayakawa Tohru[1], Ohkubo Chikahiro[1], Sato Mitsunobu[2], Hara Hiroki[2], Toyama Takeshi[3], Tanaka Yasuhiro[4], Yoshinari Masao[5]

[1]Tsurumi University, [2]Kogakuin University, [3]Nihon University, [4]Kagawa University, [5]Tokyo Dental College

A-21 Effect of estrogen deficiency on bone formation around surface charged titanium implant

O Nozaki Kosuke, Yamashita Kimihiro, Nagai Akiko

Tokyo Medical and Dental University

A-22 Photofunctionalization of titanium compensates for age-related compromised osteoblastic response

O Aita Hideki, Kono Mai, Endo Kazuhiko, Koshino Hisashi

Health Science University of Hokkaido

Hall A

15:25 - 16:40 General Presentation (Oral Session)

A-23 Castability and mechanical properties of Zr-14Nb alloys for dental casting

O Kajima Yuka, Takaichi Atsushi, Doi Hisashi, Tsutsumi Yuusuke, Hanawa Takao, Wakabayashi Noriyuki

Tokyo Medical and Dental University

A-24 Evaluation of microstructures of biomedical Co-Cr-Mo alloys through high-pressure torsion

O Cho Ken[1], Niinomi Mitsuo[1], Nakai Masaaki[1], Hieda jyunko[1], Isik Murat[1], Horita Zenji[2]

[1]Tohoku University, [2]Kyusyu University

A-25 Relationship among Cu contents, microstructures and mechanical properties in as-solutionized Ag-Pd-Au-Cu alloys

O Hieda Junko[1], Niinomi Mitsuo[1], Nakai Masaaki[1], Cho Ken[1], Kim Yonghwan[1], Fukui Hisao[2]

[1]Tohoku University, [2]Aichi Gakuin University

A-26 Corrosion resistance of the magnetic shielding stainless steel composed of solid solution of nitrogen

O Takada Yukyo[1], Takahashi Masatoshi[1], Kikuchi Akira[2], Tenkumo Taichi[1]

[1]Tohoku University, [2]NEOMAX ENGINEERING

A-27 Evaluation of long-term corrosion rates of metallic dental materials by EIS technique

O Tsutsumi Yusuke, Doi Hisashi, Hanawa Takao

Tokyo Medical and Dental University

16:40 - 16:45 Closing Remark

October 20 (Sunday)
Hall B
9:30 - 16:00 General Presentation (Poster Session) (13:50 - 15:20 Discussion)

P-40 The effect of octacalcium phosphate (OCP) on differentiation of dental epithelial cell

O Tadaki Mayu, Anada Takahisa, Fukumoto Satoshi, Suzuki Osamu

Tohoku University

P-41 Cytotoxicity and genotoxicity of oxide nanoparticles in cells

O Hashimoto Masanori, Toshima Hirokazu, Ida Yusuke, Takebe Futami, Endo Kazuhiko

Health Sciences University of Hokkaido

P-42 Influence of titanium tetrachloride on cytotoxicity of metal salt

O Matsuura Ritaro[1], Mikagi Mikagi[1], Anraku Teruo[1], Yamamoto Tetsuya[2]

[1]Yamamoto precious metal Co., Ltd., [2]Kochi University

P-43 Development of the embryotoxicity test using the hybrid 3D cultivation technique of human hepatocytes and a mouse ES cells - Use of novel feeder layer

O Imai Koichi[1], Takeda Shoji[1], Nakamura Kazuaki[2], Tanoue Akito[2]

[1]Osaka Dental University, [2]National Res. Inst. for Child Health and Development

P-44 Development of a cytotoxicity assay based on bioluminescence

O Orimoto Ai, Suzuki Takahiro, Ueno Atsuko, Kawai tatsushi, Nakamura Hiroshi, Kanamori Takao

Aichi Gakuin University

P-45 Improvement in oral environment of elderly requiring long-term care by neutral electrolyzed water -Sterilization effect on denture-

O Nagamatsu Yuki[1], Nagamatsu Hiroshi[1], Murakami Shigeki[2], Tajima Kiyoshi[1], Kakigawa Hiroshi[1], Kozono Yoshio[1]

[1]Kyushu Dental University, [2]Kyushu University of Nursing and Social Welfare

P-46 Reaction with aromatic amines and benzoyl peroxide in methanol

O Hongo Toshio, Wada Takahiro, Uo Motohiro

Tokyo Medical and Dental University

P-47 Influence of tissue conditioner on angiogenesis in oral mucosa in vitro

O Wang Wei-qi, Hong Guang, Shimizu Yoshinaka, Sasaki Keiichi

Tohoku University

P-48 Fracture behavior of dentin-enamel junction region

O Inoue Toshiko, Saito Makoto, Yamamoto Masato, Nishimura Fumio, Miyazaki Takashi

Showa University

P-49 The coefficient of friction of titanium and a titanium alloy - Part II Mirror polishing surface -

O Nagasawa Sakae, Kawase Yuji, Takeuchi Ken

Matsumoto Dental University

P-50 Microstructure and mechanical properties of Ti-Mo-Cr alloys

O Ho Wen-Fu[1], Hsu Hsueh[2], Kikuchi Hisaji[3], Kurotani Tomoko[3], Wu Shih-Ching[2], Hsu Shih-Kuang[2]

[1]Da-Yeh University, [2]Central Taiwan University of Sci and Technol, [3]Nihon University

P-51 Bond strengths between Ti-25Nb-xSn alloys and low-fusing porcelain

O Hsu Hsueh-Chuan[1], Lin Yi-Hsin[1], Ho Wen-Fu[2], Wu Shih-Ching[1], Hsu Shih-Kuang[1]

[1]Central Taiwan University of Sci and Technol, [2]Da-yeh University

P-52 Improvement of the photocatalyst ability by the heat treatment of titanium oxide nanotubes

O Komatsu Obito[1], Nishida Hisataka[1], Sekino Tohru[2], Yamamoto Kazuyo[1]

[1]Osaka Dental University, [2]Tohoku University

P-53 A new phase in the development of high strength pure titanium by Multi-Directional Forging

O Hoshi Noriyuki[1], Saita Makiko[1], Kumasaka Tomonari[1], Banka Masako[1,2], Miura Hiromi[2], Kimoto Katsuhiko[1]

[1]Kanagawa Dental University, [2]The University of Electro-Communications

P-54 Surface characteristics and adhesion behavior of cobalt chromium alloy fabricated by selective laser melting process

O Aoki Harumi, Miyasaka Taira, Ishida Yoshiki, Aoyagi Yusuke, Miura Daisuke, Shinya Akiyoshi

Nippon Dental University at Tokyo

P-55 Effect of Cu content on mechanical strength and microstructure of commercial dental Au-Ag-Pd type alloy with different Cu content fabricated at various solidification temperatures

O Yasuda Tomoya[1], Akahori Toshikazu[1], Sugimura Toyohiko[2], Fukui Hisao[2]

[1]Meijo University, [2]Aichi Gakuin Univerity

P-56 The EPMA observations of the cast joining area between the cast abutment for implant parts and several kinds of Au-based alloys

O Kawashima Isao, Ishida Yoshinori, Hayashi Mikita, Kakumoto Yoshimi, Ryukata Ichirou, Okada Hidetoshi

Ohu University

P-57 Contact corrosion of Ag-Pd-Cu-Au alloys with different Cu content -Analysis of corroded surface by XPS-

O Kaneko Hiromi, Okawa Seigo, Kanatani Mitsugu, Ito Kyosuke, Yamaga Yoshio, Nomura Shuichi, Izumi Kenji

Niigata University

P-58 Tendency for fitting accuracy of the casting crown with using general adjustment method for better fitting

O Fukushima Emiko, Mori Daizaburou, Horiuchi Haruhiko, Kumagai Tomohiro

GC Corporation

October 20 (Sunday)
Hall C
9:30 - 16:00 General Presentation (Poster Session) (13:50 - 15:20 Discussion)

P-59 Structural analysis of boron in human tooth of S-PRG filler eluate using ^{11}B-NMR

O Wada Takahiro, Hongo Toshio, Uo Motohiro

Tokyo Medical and Dental University

P-60 Water sorption, solubility and corrosion-resistance of trial magnetic resin composite materials

O Soma Hiroko, Miyagawa Yukio

Nippon Dental University at Niigata

P-61 Effect of temperature on the color of restorative composite resins

O Arikawa Hiroyuki, Kanie Takahito, Kikuchi Takafumi

Kagoshima University

P-62 Preparation and characterization of organo-mineral complex by electrolysis

O Okawa seigo, Kaneko Hiromi, Yamaga Yoshio, Kanatani Mitsugu, Izumi Kenji

Niigata University

P-63 Modification effect of novel silane containing double bond (Part 10) -Mechanical properties of experimental composites after water storage-

O Nihei Tomotaro[1], Kunzelmann Karl-Heinz[2], Ohashi Katsura[1], Miyake Kaori[1], Oshikawa takaki[1], Yamanaka Hideki[1], Suzuki Toshiyuki[1], Yoshino Norio[3], Teranaka Toshio[1]

[1]Kanagawa Dental University, [2]Ludwig-Maximilians-Universität München, [3]Tokyo University of Science

P-64 Application of highly ethoxylated bis-phenol A dimethacrylates to the composite resin

O Aoyagi Yusuke, miyasaka Taira, Aoki Harumi, Isida Yoshiki, Miura Daisuke

Nippon Dental University at Tokyo

P-65 Bone formation of TGF-b2 immobilized implant in the bone defect of rat femur model

O Suzuki Takuma, Hayakawa Tohru, Gomi Kazuhiro

Tsurumi University

P-66 Effect of alendronate immobilization for immediate implantation to rat maxillary bone

O Raita Yuki[1], Sato Mitsunobu[2], Hayakawa Tohru[1]

[1]Tsurumi University, [2]Kogakuin University

P-67 Evaluation of angiogenesis in bone regeneration by octacalcium phosphate/gelatin composites

O Murakami Yoshitaka, Anada Takahisa, Shimauchi Hidetoshi, Suzuki Osamu
Tohoku University

P-68 Pigment degradation ability of the titanium for implants which anodized the surface. When titanium oxide powder is suspended in a sulfuric acid electrolysis solution

O Ito Yuki, Onoue Hideaki, Sugao Motoki, Shirachi Yuta, Nonami Toru
Chukyo University

P-69 Pigment degradation ability of the titanium for implants which anodized the surface. When the titanium oxide powder of a crystal system which is different in an electrolysis solution is suspended –

O Onoue Hideaki, Ito Yuki, NonamiToru
Chukyo University

P-70 The reaction of the tissues around titanium implant to LPS

O Shuto Takahiro, Wachi Takanori, Makihira Seicho
Kyushu University

P-71 Surface modification of Ti-6Al-4V alloy by electron cyclotron resonance plasma oxidation

O Oikawa Mayumi, Masumoto Hiroshi, Orii Yusuke, Anada Takahisa, Sasaki Keiichi, Suzuki Osamu
Tohoku University

P-72 Characteristics of experimental resin provisional cement

O Nagasawa Yuko, Hibino Yasushi, Shigeta Hirotaka, Nakajima Hiroshi
Meikai University

P-73 Fracture toughness of experimental glass ionomer cement for filling containing resin components

O Shigeta Hirotaka, Nagasawa Yuko, Hibino Yasushi, Nakajima Hiroshi
Meikai University

P-74 Shear bond strengths of resin cement to high toughness zirconia

O Sato Kotaro, Hotta Yasuhiro, Fujishima Akihiro, Miyazaki Takashi
Showa University

P-75 Surface texture and antibacterial effect of the experimental glass ionomer cements blended with silver-supported zirconium phosphate fillers

O Fujishima Akihiro, Morisaki Hirobumi, Miyazaki Takashi
Showa University

P-76 Application of α-TCP/Te-CP Cement to Pulp Capping Materials-Histopathological Evaluation-

O Takeda Shinpei, Kawano Satoshi, Kamiyama chikako, Doi Yutaka, Tamaki Yukimiti, Yoshida Takakazu
Asahi University

P-77 Application of α-TCP/Te-CP Cement to Root Canal Sealer

O Kamiyama chikako, Takeda Shinpei, Kawano Satoshi, Adachi Masanori, Doi Yutaka, Tamaki Yukimiti, Yoshida Takakazu
Asahi University