

The 66th General Session of the Japanese Society for Dental Materials and Devices (JSDMD)

October 3 (Saturday) - 4 (Sunday), 2015

▪ Tower Hall Funabori

4-1-1 Funabori, Edogawa-ku, Tokyo 134-0091, Japan

October 3 (Saturday)

▪ Hall A

9:40 - 9:45 **Opening Remark**

9:45 - 11:15 **General Presentation (Oral Session)**

A - 1 Determination of Resin Infiltrant Material for Artificial Carious Lesion of Enamel Using OCT

○Murayama Ryosuke, Furuichi Tetsuya, Iino Masayoshi, Kawamoto Ryo,

Kurokawa Hiroyasu, Miyazaki Masashi

Nihon University

A - 2 *In silico* evaluation of orthodontic forces of thermoplastic appliances.

○Inoue Sayuri, Yamaguchi Satoshi, Uyama Hiroshi, Yamashiro Takashi, Imazato Satoshi

Osaka University

A - 3 Chemical durability of CAD/CAM dental materials

○Iwata Jyunji, UematsuYasuaki, Tomino Masashi, Tsuruta Shozo,

Hayashi Tatsuhide, Kawai Tatsushi, Ban Seiji

Aichi Gakuin University

A - 4 Influence of three-dimensional culture on differentiation of dental epithelial cells into ameloblasts

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

Tohoku University

A - 5 Fabrication of high amount CO₃-containing Carbonate Apatite Foam through alpha-TCP-DCPD solidification process

○Sugiura Yuki, Tsuru Kanji, Ishikawa Kunio

Kyushu University

A - 6 Effect of chemical conditioning on the cytocompatibility of titanium implant

○Ichioka Yuki, Kado Takashi, Endo Kazuhiko, Furuichi Yasushi

Health Sciences University of Hokkaido

▪ Hall A

13:15 - 14:15 **Special Lecture**

Progress of prosthodontic practice through the development of adhesive functional monomers and initiators

Matsumura Hideo

Nihon University

15:00 - 16:45 **General Presentation (Oral Session)**

[Award Challenge Oral Session A-7 - A-13]

A - 7 Fabrication and histopathological evaluation of interconnected porous calcium carbonate

○Koga Noriko, Tsuru Kanji, Takahashi Ichiro, Ishikawa Kunio
Kyushu University

A - 8 Development of cytotoxicity assay for dental materials with a bright secreted luciferase

○Egashira Miki, Suzuki Takahiro, Nagase Yoshinori, Aimu Kohki,
Fujimoto Kohtaroh, Kanamori Takao, Kawai Tatsushi
Aichi Gakuin University

A - 9 Development of electrically-debondable dental cements (Part2) - Effects of electrical parameters -

○Kajimoto Noboru, Uyama Emi, Sekine Kazumitsu, Hamada Kenichi
Tokushima University

A-10 Development of non-biodegradable FGF-2-releasing polymer particles: Influences of freeze-drying on release and function of FGF-2

○Tsuboi Ririko, Takeda Kahoru, Sasaki Jun-Ichi, Takeshige Fumio, Imazato Satoshi
Osaka University

A-11 Effect of embedding acrylic resin on bond strength between EVA mouthguard material and dental silicone

○Fukasawa Shintaro, Churei Hiroshi, Shirako Takahiro, Wada Takahiro,
Uo Motohiro, Takahashi Hidekazu, Ueno Toshiaki
Tokyo Medical and Dental University

A-12 Evaluation of bone formation and degradation of porous carbonated apatite block

○Nozaki Kosuke, Fujita Kazuhisa, Yamashita Kimihiro, Miura Hiroyuki, Nagai Akiko
Tokyo Medical and Dental University

A-13 Fatigue resistance of Co-Cr-Mo alloy clasps fabricated by selective laser melting process

○Takaichi Atsushi¹, Kajima Yuka¹, Nakamoto Takayuki², Ashida Maki¹, Doi Hisashi¹,
Nomura Naoyuki³, Hanawa Takao¹, Takahashi Hidekazu¹, Wakabayashi Noriyuki¹
¹Tokyo Medical and Dental University, ²Technology research institute of Osaka prefecture,
³Tohoku University

October 3 (Saturday)

▪ Hall B

9:45 - 16:30 **General Presentation (Poster Session)**

(Odd numbers: 11:15 - 12:00, Even numbers: 14:15 - 15:00 Discussion)

P - 1 Characteristics of calcium phosphate on the surface of porous titanium prepared by sponge replication method

○Wen-Fu Ho¹, Peng-Hsiang Wang², Hsueh-Chuan Hsu³, Shih-Ching Wu³, Shih-Kuang Hsu³
¹National Univ. of Kaohsiung, ²Da-Yeh Univ., ³Central Taiwan Univ. of Sci. and Tech.

P - 2 Bioactivity of porous Ti-Nb-Mo prepared by mechanical alloying process

○Hsueh-Chuan Hsu¹, Wen-Yu Hsiao¹, Wen-Fu Ho², Shih-Kuang Hsu¹, Shih-Ching Wu¹

¹Central Taiwan Univ. of Sci. and Tech., ²National Univ. of Kaohsiung

P - 3 Fatigue resistance of GUMMETAL clasps

○Shimamoto Kazuya, Sanaoka Satoshi, Iwahori Masatoshi, Nigauri Akihiko,

Miyao Motonobu, Tamaki Yukimichi, Wakamatsu Nobukazu

Asahi University

P - 4 Change in microstructures and mechanical properties of dental semiprecious alloys subjected to solution treatment at high temperatures

○Hoshiya Yushi¹, Akahori Toshikazu¹, Fukui Hisao², Niinomi Mitsuo³

¹Meijo University, ²Aichi Gakuin University, ³Tohoku University

P - 5 Accuracy of resin crowns with two CAD/CAM systems

○Shimizu Sakura¹, Shinya Akikazu^{1,2}, Kuroda Soichi¹, Gomi Harunori¹

¹Nippon Dental University, ²University of Turku

P - 6 Influence of surface treatment conditions of hybrid composite resin for CAD/CAM processing and abutment materials on the adhesive strength

○Kato Takahiro, Mizobuchi Shingo, Yamada Bunichiro, Anraku Teruo

Yamamoto Precious Metal Co., Ltd.

P - 7 The elastic modulus and Poisson's ratio of the resin block for CAD/CAM

○Nagasawa Sakae, Takeuchi Ken, Niimura Hiroko, Kuroiwa Akihiro

Matsumoto Dental University

P - 8 Fracture strength of the hybrid resin crown for CAD/CAM system

○Okada Ryota, Ando Akihiro, Asakura Masaki, Takebe Jun, Kawai Tatsusi, Ban Seiji

Aichi Gakuin University.

P - 9 Study on hybrid resin composites using CAD/CAM

-Bond strength of each resin cement on hybrid resin composite blocks –

○Yamaguchi Hiroaki, Kameyama Yuka, Ohashi Katsura, Miyake Kaori, Teranaka Ayako,

Oshikawa Akihiro, Shimoyama Kazuo, Wada Yuuki, Nihei Tomotarou

Kanagawa Dental University

P-10 Bonding strength between hybrid-resin composite blocks for CAD/CAM and dentin

○Kinoshita Hideaki, Someya Tomoko, Tanaka Kensuke, Harada Rino, Takemoto Shinji,

Ichikawa Hiromichi, Hasegawa Kouji, Aichi Tetsuya, Igarashi Toshio, Kawada Eiji

Tokyo Dental College

P-11 Evaluation of marginal reproducibility of zirconia blank for CAD/CAM with the same CAM system

○Iwasaki Naohiko, Takahashi Hidekazu, Suzuki Tetsuya

Tokyo Medical and Dental University

P-12 Mechanical properties of new hybrid resin blocks for CAD/CAM

○Suzuki Takuya
Tokuyama Dental Corporation

P-13 Effect of test methods on flexural strength of dental press ceramics

○Miura Daisuke, Miyasaka Taira, Aoki Harumi, Aoyagi Yusuke, Ishida Yoshiki
Nippon Dental University

P-14 Development of hybrid composite resin for CAD/CAM processing (Part4): Adhesion

○Mizobuchi Shingo, Kato Takahiro, Yamada Bunichiro, Anraku Teruo
Yamamoto Precious Metal Co., Ltd.

P-15 The effect of surface treatment by chairside sandblaster on bond strength to CAD/CAM resin block

○Niitsuma Akinori¹, Shinya Akikazu^{1,2}, Kuroda Soichi¹, Gomi Harunori¹
¹Nippon Dental University, ²University of Turku

P-16 Evaluation of newly-developed one-bottle one-step adhesive systems: Ultrastructural analysis of treated tooth surfaces and adhesive interfaces

○Han Rinrin¹, Yamamoto Shinichi², Okiji Takashi³
¹Niigata University, ²Yamamoto Dental Clinic, ³Tokyo Medical and Dental University

P-17 Effect of silane coupling agents on the adhesive performance of a tri-n-butylborane initiated luting agent bonded to silicon dioxide

○Okazaki Tomoyo¹, Nakayama Daisuke¹, Koizumi Hiroyasu¹, Nihei Tomotaro², Matsumura Hideo¹
¹Nihon University, ²Kanagawa Dental University

P-18 Effects of metal primers on bond strength of opaque resin to Ag-Pd-Cu-Au alloy

○Tanaka Kana, Yoshida Keiichi, Sawase Takashi
Nagasaki University

P-19 Biomechanical integrity of dentin-bonding interface formed by a self etching primer

○Zhou Jun, Tanaka Reina, Shibata Yo, Miyazaki Takashi
Showa University

P-20 Bond strengths of universal adhesive systems to tooth erosive lesion models

○Rikuta Akitomo, Furuichi Tetsuya, Yokokawa Miho, Tamura Yukie, Tsubota Keishi, Miyazaki Masashi
Nihon University

P-21 Surface treatment effects for a glass-based composite material

○Fujishima Akihiro, Hotta Yasuhiro, Kobayashi Mikihiro, Miyazaki Takashi
Showa University

P-22 Influence of phosphoric acid pre-etching times on fatigue limits of dentin bonding of the self-etch adhesives

○Takamizawa Toshiki, Tsubota Keishi, Kawamoto Ryo, Endo Hajime,
Tsujimoto Akimasa, Miyazaki Masashi
Nihon University

- P-23 Modification effect of multi light-cured type primer -Tensile bond strength of modified dentin surface after long water storage-
 ○Nihei Tomotaro¹, Kunzelmann Karl-Heinz², Ohashi Katsura¹, Miyake Kaori¹, Yamaguchi Hiroaki¹,
 Teranaka Ayako¹, Kameyama Yuka¹, Wada Yuki¹, Tomiyama Kiyoshi¹, Oshikawa Takahiro¹,
 Shimoyama Kazuo¹, Suzuki Toshiyuki¹, Mukai Yoshiharu¹
¹Kanagawa Dental University, ²Dental School of LMU
- P-24 Temperature dependence of dynamic mechanical properties of compounds
 Funaki Masako, ○Kitagawa Yukiro, Yoshida Kazuhiro, Murata Hiroshi
 Nagasaki University
- P-25 The development of long-term effectiveness silver ion-loaded antimicrobial agent
 ○Yoshihara Kumiko¹, Nagaoka Noriyuki¹, Yoshida Yasuhiro²
¹Okayama University, ²Hokkaido University
- P-26 Effect of thermal cycle on physical properties of newly developed composite resin
 ○Shoji Takumi, Ueno Takayuki, Kumagai Tomohiro
 GC Corporation
- P-27 Effect of resin-composite shades on digital imaging fiber-optic transillumination
 ○Ishida Yoshiki, Miyasaka Taira, Aoki Harumi, Aoyagi Yusuke,
 Miura Daisuke, Kawai Taisuke, Asaumi Rieko
 Nippon Dental University
- P-28 Effects of with and without heat treatments on the bending strength of composite resin core materials
 ○Tsubota Yuji, Hirota Masatsugu, Yoshida Eiji, Nitta Keiko, Nomoto Rie,
 Tsuchikawa Masuji, Ohkubo Chikahiro, Hayakawa Tohru
 Tsurumi University
- P-29 Time dependence of the degree of conversion for a self-adhesive cement- influence of all ceramic restorations
 ○Inokoshi Masanao, Tanimoto Hiroyuki, Zhao Huizi, Uo Motohiro, Minakuchi Shunsuke
 Tokyo Medical and Dental University
- P-30 Evaluation of mechanical properties of light-cured glazing agent membranes
 ○Aoki Harumi, Miyasaka Taira, Aoyagi Yusuke, Ishida Yoshiki, Miura Daisuke
 Nippon Dental University
- P-31 Examination of the wear resistance and surface properties of newly developed quick self-curing acrylic resin
 ○Hirosawa Keisuke, Takase Kazuma, Tanaka Rika, Yoshida Kazuhiro, Kurogi Tadafumi, Murata Hiroshi
 Nagasaki University
- P-32 The influence of polymerization temperature on the mechanical properties and the amount of residual monomer in self-cured resins
 ○Morita Koji, Tsuka Hiroki, Hirata Isao, Kato Koichi, Tsuga Kazuhiro
 Hiroshima University

P-33 Anti-coloration features of thermoplastic resins

○Kuroda Soichi¹, Shinya Akikazu^{1,2}, Abe Yuya³, Atarashi Mitsuhiro¹, Gomi Harunori¹

¹Nippon Dental University, ²University of Turku, ³Sanwa Dental CO., LTD.

P-34 Finite element simulation of tooth movement produced by mousepiece orthodontic appliance

○Kawamura Jun¹, Fukui Hisao¹, Kojima Yukio²

¹Aichi Gakuin University, ²Nagoya Institute of Technology

P-35 Alkali treatment of stainless steel for orthodontic applications

○He Xiaoxi, Valanezhad Alireza, Shiraishi Takanobu, Yoshida Noriaki, Watanabe Ikuya

Nagasaki University

P-36 Measurement of moment and force using six-axis sensors: A force system generated by orthodontic wires
deflection

○Lai Wei-Jen, Uo Motohiro

Tokyo Medical and Dental University

P-37 Effects of fiber-reinforcement for non-metal clasp dentures

○Nagakura Manamu, Tanimoto Yasuhiro, Nishiyama Norihiro

Nihon University at Matsudo

October 4 (Sunday)

▪ Hall A

9:15 - 11:15 General Presentation (Oral Session)

A-14 Mechanical properties of CAD/CAM composite resin

– Evaluation of compressive strength by multi-scale analysis–

○Yamaguchi Satoshi, Inoue Sayuri, Sakai Takahiko, Abe Tomohiro, Imazato Satoshi

Osaka University

A-15 Evaluation of antimicrobial property and cytotoxicity of hybrid composite resin for CAD/CAM processing

○Matsuura Ritaro¹, Mizobuchi Shingo¹, Kato Takahiro¹, Anraku Teruo¹, Yamamoto Tetsuya²

¹Yamamoto Precious Metal Co., Ltd., ²Kochi University

A-16 Preparation of acrylic resin containing an antimicrobial surfactant using a polymerizing cosolvent

○Nezu Takashi, Nagano-Takebe Futami, Endo Kazuhiko

Health Sciences University of Hokkaido

A-17 Polymerization reactivity of TMPTMA in the powder-liquid mixed type PMMA/MMA-TMPTMA resin

○Tanaka Jiro, Irie Masao, Hara Tetsuya, Matsumoto Takuya

Okayama University

A-18 Evaluation of osteoconductivity of a spongy form of octacalcium phosphate/gelatin composites implanted in rabbit
tibia bone defects

○Saito Keisuke, Anada Takahisa, Tsuchiya Kaori, Chiba Sinpei, Itoi Eiji, Suzuki Osamu

Tohoku University

A-19 Preparation of Sr substituted hydroxyapatite thin films by pulsed laser deposition

○Saito Ayaka¹, Miyake Akiko², Tashiro Yuichiro², Hashimoto Yoshiya², Nishikawa Hiroaki¹

¹Kinki University, ²Osaka Dental University

A-20 Preparation of β -tricalcium phosphate/ carbonate apatite cement

○Arahira Takaaki, Maruta Michito, Matsuya Shigeki

Fukuoka Dental College

A-21 Hydrothermal apatite synthesis from calcium oxide and polyphosphate (Part5) -Relation between the crystal minor axis and Refractive Index of polyphosphate –

○Narusawa Hideaki¹, Shiba Toshikazu², Owada Hiroyuki¹, Kataoka Yu¹, Miyazaki Takashi¹

¹Showa University, ²Rigenetiss

▪ Hall A

13:15 - 14:45 Symposium and Special Seminar for Dental Materials Adviser / Senior Adviser

15:30 - 16:45 General Presentation (Oral Session)

A-22 The evaluation of artifact from Zr-14Nb alloy with low magnetic susceptibility and traditional dental alloy in magnetic resonance images

○Kajima Yuka, Takaichi Atsushi, Ashida Maki, Doi Hisashi,

Tsutsumi Yuusuke, Hanawa Takao, Wakabayashi Noriyuki

Tokyo Medical and Dental University

A-23 Investigation of extraordinary deformation behavior in oxygen-added beta-type Ti-29Nb-13Ta-4.6Zr alloy for biomedical applications

○Liu Huihong, Niinomi Mitsuo, Nakai Masaaki, Cong Xin

Tohoku University

A-24 Monitoring of protein adsorption on titanium by electrochemical impedance spectroscopy

○Tsutsumi Yusuke, Ashida Maki, Doi Hisashi, Hanawa Takao

Tokyo Medical and Dental University

A-25 Development of the nickel free dental magnetic attachment using a gamma phase composed of nitrogen solid-solution as a magnetic shielding material

○Takada Yukyo¹, Yamaguchi Hirofumi¹, Sakatume Hanako¹, Kikuchi Akira², Takahashi Masatoshi¹

¹Tohoku University, ²NEOMAX Engineering

A-26 Improving mechanical properties of Co-Cr-Mo alloys by microstructural control via high-pressure torsion and short-time solution treatment

○Isik Murat¹, Niinomi Mitsuo¹, Liu Huihong¹, Nakai Masaaki¹, Cho Ken², Horita Zenji³

¹Tohoku University, ²Osaka University, ³Kyusyu University

16:45 - 16:50 **Closing Remark**

October 4 (Sunday)

▪ **Hall B**

9:45 - 16:00 General Presentation (Poster Session)

(Odd numbers: 11:15 - 12:00, Even numbers: 14:45 - 15:30 Discussion)

P-38 Photocatalyst and wettability of water-soluble titanium dioxide

○Yokoi Yukiko¹, Fukui Hisao², Nagasawa Sakae¹

¹Matsumoto Dental University, ²Aichi Gakuin University

P-39 Effect on surface property of gypsum model by treatment with WO₃-based visible light responsive photocatalyst for imparting bactericidal property

○Nagamatsu Yuki, Shimizu Hiroshi

Kyushu Dental University

P-40 Sterilization effects of irradiation UV using prototype Eximer lump

○Tobe Takuma, Kataoka Yu, Miyazaki Takashi

Showa University

P-41 Static friction properties of fluorine or silicon doped DLC coating

○Akaike Shun¹, Hayakawa Tohru¹, Hirata Atsushi², Nakamura Yoshiki¹

¹Tsurumi University, ²Tokyo Institute of Technology

P-42 Torsion test for brittleness material

○Seto Munetsugu, Ueda Kazuhiko, Ozawa Makoto, Watanabe Fumihiko

Nippon Dental University

P-43 Surface characteristics of PEEK by SiC polishing - Comparison of polishing characteristics of restorative resins for CAD/CAM

○Okawa Seigo, Taka Norimasa, Kanatani Mitsugu, Izumi Kenji

Niigata University

P-44 Polishing effect of an ingredient in alginate impression material for acrylic resin

○Abe Masayo, Komada Yuko, Okuyama Katsusi, Tamaki Yukimichi, Hotta Masato, Miyao Motonobu

Asahi University

P-45 Corrosion resistance of Co-Cr-Mo-N alloy for dental casting changed Cr concentration

○Doi Hisashi¹, Ashida Maki¹, Tsutsumi Yusuke¹, Nomura Naoyuki², Hanawa Takao¹

¹Tokyo Medical and Dental University, ²Tohoku University

P-46 Collection of amalgam removal dust by the mesh cloth filter

○Aoyagi Yusuke, Miyasaka Taira, Aoki Harumi, Ishida Yoshiki, Miura Daisuke

Nippon Dental University

P-47 Evaluation of the corrosion resistance of Ti-Zr binary alloys

○Akimoto Teisuke, Ueno Takeshi, Tsutsumi Yusuke, Doi Hisashi, Hanawa Takao, Wakabayashi Noriyuki

Tokyo Medical and Dental University

P-48 Magnetic susceptibility and hardness of Au-Nb-Ti alloy for biomedical application

○Inui Shihoko, Uyama Emi, Hamada Kenichi
Tokushima University

P-49 Comparison of the thin carbonate-containing hydroxyapatite coated on titanium and zirconia using a molecular precursor method

○Hirota Masatsugu¹, Yoshida Eiji¹, Mochizuki Chihiro², Sato Mitsunobu², Hayakawa Tohru¹
¹Tsurumi University, ²Kogakuin University

P-50 Bioactive glass coating on the zirconia

○Valanezhad Alireza, Watanabe Ikuya
Nagasaki University

P-51 Analysis of bone regeneration in rat calvaria bone defect by octacalcium phosphate/ gelatin composites

○Sakai Susumu, Anada Takahisa, Suzuki Osamu
Tohoku University

P-52 Examination of three-dimensional cell culture of porcine dental epithelial cells using magnetic nanoparticles

○Koto Wataru¹, Wachi Takanori¹, Shuto Takahiro¹, Terada Yoshihiro², Makihiro Seicho¹
¹Kyushu University, ²Ohu University

P-53 Cell alignment and migration of periodontal ligament fibroblasts on micro-patterns

○Akasaka Tsukasa, Kaga Naoyuki, Yokoyama Atsuro, Abe Shigeaki, Yoshida Yasuhiro
Hokkaido University

P-54 Effects of vacuum ultraviolet photofunctionalization on the titanium disks and its preservation method

○Shintani Kohei¹, Kawaki Harumi¹, Horiguchi Takashi¹, Kajimoto Tadayasu¹,
Yoshinari Masao², Kondoh Nobuo¹, Hotta Masato¹, Doi Yutaka¹
¹Asahi University, ²Tokyo Dental College

P-55 Age-related degradation of cortical bone: implications of α -klotho gene for the nanomechanical properties of bone

○Maruyama Noriko, Shibata Yo, Miyazaki Takashi, Maki Koutaro
Showa University

P-56 Analysis of dentin structure by Fourier transform infrared spectroscopy

○Inoue Toshiko, Saito Makoto, Yamamoto Masato, Nishimura Fumio, Miyazaki Takashi
Showa University

P-57 BAp orientation of the mandible in gene-deleted pathological mouse

○Fujitani Wataru, Nakano Takayoshi
Osaka University

P-58 Nanoindentation tests on bleached enamel

○Tanaka Reina, Shibata Yo, Ito Aki, Miyazaki Takashi
Showa University

P-59 Bone tissue regeneration using stromal cell-derived factor 1 capable of binding to biodegradable scaffolds

○Hattori Shiori, Nakano Ayana, Yamakado Nao, Date Tomomi,
Hirata Isao, Tanimoto Kotaro, Kato Koichi
Hiroshima University

P -60 Disinfection of denture worn by the elderly with neutral electrolyzed water

○Nagamatsu Yuki¹, Nagamatsu Hiroshi¹, Nakamura Keiko¹, Murakami Shigeki²,
Masumi Shinichi¹, Kozono Yoshio¹, Shimizu Hiroshi¹
¹Kyushu Dental University, ²Kyushu University of Nursing and Social Welfare

P -61 Development of extraction of materials remaining in the autopolymerizing acrylic resin

○Hongo Toshio, Wada Takahiro, Uo Motohiro
Tokyo Medical and Dental University

P-62 Fluoride release of experimental resin-modified glass ionomer cements containing S-PRG filler

○Shigeta Hirotaka, Nagasawa Yuko, Wada Ken-ichi, Hibino Yasushi, Nakajima Hiroshi
Meikai University

P-63 Glass-ionomer cement for filling: Interfacial gap-formation in Class I restoration and bond strength to tooth structure

○Irie Masao, Tanaka Jiro, Matsumoto Takuya, Takeda Hiroaki, Torii Yasuhiro, Maruo Yukinori,
Nishigawa Goro, Minagi Shogo, Nagaoka Noriyuki, Yoshihara Kumiko
Okayama University

P-64 The effect of various tooth enamel surface treatments on adhesion of fissure sealant containing S-PRG filler

○Toshima Hirokazu, Kaga Masayuki, Nezu Takashi, Endo Kazuhiko, Saito Masato
Health Sciences University of Hokkaido

P-65 The amount of phytic acid released from experimental dental cement and its growth inhibitory effect against bacteria

○Sasamoto Yohei, Nezu Takashi, Takebe Futami, Hirose Yukito, Endo Kazuhiko, Ochi Morio
Health Sciences University of Hokkaido

P-66 Effects of powder/liquid ratio on injectability and porosity of mechano-chemically modified β -TCP cement

○Ida Yumika, Bae Jiyoung, Sekine Kazumitsu, Kawano Fumiaki, Hamada Kenichi
Tokushima University

P-67 Aging evaluation of zirconia for dental milling Part 2: Hardness and micro observation

○Narikiyo Hisayoshi, Tanaka Hidekazu, Sato Yuji, Yamazoe Masatoshi, Anraku Teruo
Yamamoto Precious Metal Co., Ltd.

P-68 Occlusal wear properties of zirconia for dentistry

○Kakuta Kiyoshi, Miyagawa Yukio
Nippon Dental University

P-69 Detection of micro defects in the dental zirconia ceramics

○Uo Motohiro, Wada Takahiro, Hongo Toshio, Miura Hiroyuki
Tokyo Medical and Dental University

P -70 Physical properties of new high strength press ceramics

○Mashio Go, Kumagai Tomohiro
GC Corporation

P-71 Bond strength of restoration handling instruments with adhesive

○IshidaYoshinori, Hayashi Mikita, Igarashi Kazuaki, Yamamori Tetsuo, Terada Yoshihiro, Okada Hidetoshi
Ohu University

P-72 Preparation and evaluation of potassium-containing hydroxyapatite sheet for dentin hyperesthesia treatment

○Hatoko Yuka¹, Yamamoto Ei¹, Kato Nobuhiro¹, Nishikawa Hiroaki¹, Yoshikawa Kazushi²,
Furuzono Tsutomu¹, Yamamoto Kazuyo², Hontsu Shigeki¹
¹Kinki University, ²Osaka dental University

P-73 Effects of the commercial mouthwashes on *Candida albicans* MYA274

○Hashida Tatsumi, Mimura Sumiyo, Shuto Takahiro, Kihara Takuya, Taji Tsuyoshi, Nikawa Hiroki
Hiroshima University

P-74 Application of immobilized disinfectant Etak as denture cleanser

○Mimura Sumiyo, Hashida Tatsumi, Fukano Ari, Shuto Takahiro,
Kihara Takuya, Taji Tsuyoshi, Nikawa Hiroki
Hiroshima University

P-75 Anti-adenovirus activity of Etak and Cyclodextrin

○Fujita Keisuke, Mimura Sumiyo, Shuto Takahiro, Kihara Takuya, Taji Tsuyoshi, Nikawa Hiroki
Hiroshima University