

- 1647 Dentin Bond Strengths Obtained with Two Different Testing Methods. A. RUMPHORST*, A. GIANASMIDIS, U. SALZ, D. LI, and J.M. POWERS (*Ivoclar-Vivadent AG, Schaan, Liechtenstein; and Houston Biomaterials Research Center, TX, USA*).
- 1648 Influence of Bond Area on Shear Bond Testing to Dentin. L.G. WATANABE, A.H. NGUYEN*, A. HARNER, G.W. MARSHALL, and S.J. MARSHALL (*University of California, San Francisco, USA*).
- 1649 Influence of Bonding Area and Crosshead Speed on Dentin Bond. M. MIYAZAKI*, Y. OSHIDA, K. IWASAKI, H. ONOSE, and B.K. MOORE (*Nihon University, Tokyo, Japan; and Indiana University, Indianapolis, IN, USA*).
- 1650 Effect of Cross-head Geometry, Contact, and Thickness on Shear Bond Strength. N. JESSOP*, C.A. MUNOZ, and J.R. DUNN (*Loma Linda University, CA, USA*).

Seq#: 177 Friday, March 12, 11:00 am - 12:15 pm
Poster Session, Exhibit Hall B&C

Dental Materials - Composite Color Stability and Wear

- 1651 Corrosive Wear of Commercial Composite Resins. N.K. SARKAR, K.-H. YANG*, J. BHATTACHARYA, R. MOISEYEVA, G. IAZZETTI, and L. LI (*LSU School of Dentistry, New Orleans, LA, USA*).
- 1652 *In vitro* Wear Assessment of Compomer Restoratives. W.W. BARKMEIER, S.M. BLAKE*, T.M. WILWERDING, and M.A. LATTA (*Creighton University, Omaha, NE, USA*).
- 1653 *In vitro* Wear of Primary Enamel with Different Restorative Materials. S.C. CHANG* and D.A. GIVAN (*School of Dentistry, University of Alabama, Birmingham, USA*).
- 1654 Occusal Wear of Ariston Class II Restorations. A.C.R. GABRIELLI*, F.C. PANZERI, S.D. HEINTZE, and R. MÜSSNER (*Dental School of Ribeirão Preto, USP, Brazil; and Ivoclar A.G., Schaan, Liechtenstein*).
- 1655 *In vitro* Wear of Enamel and Posterior Restorative Materials. M.H. RAMP*, D.A. GIVAN, and S.J. O'NEAL (*University of Alabama at Birmingham School of Dentistry, USA*).
- 1656 Color Stability of Fluoride-containing Restorative Materials. G. IAZZETTI* and J.O. BURGESS (*Louisiana State University School of Dentistry, New Orleans, USA; and UFRJ School of Dentistry, Rio de Janeiro, Brazil*).
- 1657 Effect of Antimicrobial Ingredient on the Color Stability of Composite. T.K. VAIDYANATHAN, J. VAIDYANATHAN, R. MEHRA*, R.E. MONTGOMERY, and S.A. NATHOO (*New Jersey Dental School, Newark; and OraCeutical LLC, Monterey, MA, USA*).
- 1658 Color Stability of Restorative Materials after Accelerated Aging. R.M. FAY*, J. MANHART, D. LI, R. HICKEL, and J.M. POWERS (*University of Texas at Houston Dental Branch, USA; and University of Munich, Germany*).
- 1659 Color Stability of Restorative Materials Exposed to Fluoride Varnishes. T. DEBNER*, D.P. WARREN, and J.M. POWERS (*Houston Biomaterials Research Center, University of Texas at Houston Dental Branch, USA*).
- 1660 The Color of Dissimilar Layers of Esthetic Direct Restorative Materials. E.Y. KANG*, J.C. RAGAIN, and W.M. JOHNSTON (*College of Dentistry, Ohio State University, Columbus, USA; and Naval Dental Research Institute, Great Lakes, IL, USA*).
- 1661 Predicting Color Stability of Acrylic Resins Using Electron Spin Resonance. A. HASEGAWA*, T. HAMANO, S. NAGASAKA, and M. MIWA (*GC Dental Products Corp., Kasugai; and University of Gifu, Japan*).

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Dental Materials - Composite Degradation and Cellular Response

- 1662 A New Screening Test for Toxicity Testing of Dental Materials. M. PELKA, C. DANZL*, W. DISTLER, and A. PETSCHL (*Policlinic for Operative Dentistry, University of Erlangen-Nuremberg, Germany*).
- 1663 Discoloration of Facing and Filling Materials by UV Irradiation. R. LANG*, M. ROSENTRIT, M. BEHR, and G. HANDEL (*Department of Prosthetic Dentistry, University of Regensburg, Germany*).
- 1664 Extractable Residual Monomers/Additives from Resin-modified GIC and a Polyacid-modified Resin. B. SCHMIDT, P. BUBECK, C. THEILIG, M. SCHMIDT-ROSIECKA, V. NEITEMEIER, J. MUNACK*, G. LEYHAUSEN, and W. GEURTSSEN (*Department of Organic Chemistry & Dental Hospital, Hannover, Germany*).
- 1665 Co-adherence of *Candida albicans* and *Streptococcus mutans* on Polymethylmethacrylate. T. WALTIMO*, J. TANNER, P.K. VALLITTU, E. SÖDERLING, and M. HAAPASALO (*NIOM, Haslum, Norway; Institute of Dentistry, University of Turku, Finland; and Dental Faculty, University of Oslo, Norway*).
- 1666 Effects of Sub-lethal Concentrations of TEGDMA and Bis-GMA on Monocytes. C.A. LEFEBVRE*, J.C. WATAHA, and S. BOUILLAGUET (*School of Dentistry, Medical College of Georgia, Augusta, USA*).
- 1667 Effect of Saliva-like Esterase Activities on Micro-filled Dental Composites. N. PERSHAD*, N. CHAKRAVARTI, Y. FINER, and J.P. SANTERRE (*Faculty of Dentistry, University of Toronto, ON, Canada*).
- 1668 Synergy of Cholesterol Esterase and Pseudocholinesterase on Composite Resin Biodegradation. F. JAFFER*, Y. FINER, and J.P. SANTERRE (*Faculty of Dentistry, University of Toronto, ON, Canada*).
- 1669 Cell Proliferative Responses to Dental Resin Xenoestrogenic Compounds. R.M. CIBIRKA* and G.S. SCHUSTER (*Medical College of Georgia, Augusta, USA*).
- 1670 Actimicrobial Activity and its Retention in an Antibacterial Composite. T.K. VAIDYANATHAN, J. VAIDYANATHAN, V.L.N. MURTY*, R.E. MONTGOMERY, and S.A. NATHOO (*New Jersey Dental School, Newark; and OraCeutical LLC, Monterey, MA, USA*).
- 1671 Composite Resin Supplemented with an Antimicrobial Agent. L.M. STEINBERG, D.H. FINE, H. SCHREINER*, R.E. MONTGOMERY, and S.A. NATHOO (*New Jersey Dental School, Newark; and OraCeutical LLC, Monterey, MA, USA*).
- 1672 Antibacterial Activity of a Composite Supplemented with an Antimicrobial Agent. L.M. STEINBERG*, D.H. FINE, R.E. MONTGOMERY, and S.A. NATHOO (*New Jersey Dental School, Newark; and OraCeutical LLC, Monterey, MA, USA*).
- 1673 Altered Clonogenicity and Induction of Apoptotic Cell Death in L929 Cells Exposed to Denture Base Acrylic Resins. M.R. CIMPAN*, N. SKAUG, B.T. GJERTSEN, and R. MATRE (*University of Bergen, Norway*).