

- 2678** Tensile and Transverse Strength of Composites after Measuring in Water. Y. TANI* and A. ISHIKAWA (*University of East Asia, Shimonoseki-City, Japan*)
- 2679** Effect of Chewing Tobacco on Compressive Strength of Resin Restoratives. M.M. WINKLER, X. XIN*, J. WEATHERSBY, X. XU, J.O. BURGESS, and P. WORTHINGTON (*LSU School of Dentistry, New Orleans, LA, USA*)
- 2680** Effect of Acidic Monomer Structure on Polymer Properties of UDMA/Acidic Monomer Resins. TANAKA/JIRO*, J.W. STANSBURY, J.M. ANTONUCCI, and K. SUZUKI (*Okayama University, Okayama, Japan*)
- 2681** Polymerization Shrinkage of Seven Composite Resins. S. CHIDLOW*, A.H. RIPPS, and J.O. BURGESS (*LSUHSC School of Dentistry, New Orleans, LA, USA*)
- 2682** Flexural Strength and Modulus of Composite Resin Restorative Materials. J. WEATHERSBY*, J.O. BURGESS, and X. XU (*LSUHSC School of Dentistry, New Orleans, LA, USA*)
- 2683** Evaluation of Seven Commercial Composites Using New In Vitro Wear Simulator. J.R. CONDON* and J.L. FERRACANE (*Oregon Health Sciences University, Portland, OR, USA*)
- 2684** Stress/Life Cyclic Fatigue Behavior of Human Dentin. V. IMBENI*, R.O. RITCHIE, R.K. NALLA, S. MARSHALL, and J.H. KINNEY (*Lawrence Berkeley National Lab, Berkeley, CA, USA*)
- 2685** Microtensile Interfacial Bond Strength of Flowable Composites to Composites. C.T. JONES*, D.C.N. CHAN, R.A. HOUSTON, and D.H. PASHLEY (*Medical College of Georgia, Martinez, GA, USA*)
- 2686** Resin Viscosity and Filler Treatment Effects on Hybrid Composite Mechanical Properties. P.C. PATTAMANUCH*, L. MUSANJE, and J.L. FERRACANE (*Oregon Health & Science University, Portland, OR, USA*)
- 2687** Prediction of Composite Flow Under Curing Stresses. G. LAUGHLIN*, J.L. WILLIAMS, and J.D. EICK (*University of Missouri, Kansas City, Kansas City, MO, USA*)
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- Seq#: 250** **Friday, March 8, 3:45 PM - 5:00 PM**
Poster Session, Exhibit Hall C
- Dental Materials: VI - Polymer Materials-Mechanical Properties and Degradation - Polymer Materials: Surface Roughness and Surface Morphology**
- 2688** Influence of Three Polymerization Systems and Polishing on the Leached Components from Composites Resins. W.-D. KIM*, H.-J. MOON, Y.-K. LEE, B.-S. LIM, and C.-W. KIM (*Seoul National University, SEOUL, South Korea*)
- 2689** *In vitro* wear behavior of resin composites throughout brushing. C.P. TURSSI*, M.C.S. NOGUEIRA, and M.C. SERRA (*State University of Campinas - School of Dentistry of Piracicaba, Piracicaba, Brazil*)
- 2690** Surface Luster of Indirect Composite Resins after Toothbrush Wear. J. CRUZ*, V. BUI, A. KOBASHIGAWA, and E. SHELLARD (*Kerr Corporation, Orange, CA, USA*)
- 2691** Effect of Finishing Techniques on the Hardness of Composites with Different Fillers. P.K. BLASER*, V.V. GORDAN, C. SHEN, and E. MONDRAGON (*University of Florida, Gainesville, FL, USA*)
- 2692** Surface Roughness of Resin Composites After Finishing and Polishing Procedures. F.P. MARSOLA* and H. NAGEM FILHO (*Universidade de São Paulo, Bauru, Brazil*)
- 2693** Surface Roughness of a Flowable Composite Finished with Various Abrasives. A.I. ZEEVI* and A.L. NEME (*University of Detroit Mercy, Detroit, MI, USA*)
- 2694** Surface Roughness of Resin Composite Materials Finished with Two Finishing Systems. N.K. SHUKAIRY, D.C. HOELSCHER*, and A.L. NEME (*University of Detroit Mercy, Detroit, MI, USA*)
- 2695** Surface hardness of dental composites after aging in water. J. MARTOS*, W. OSINAGA, M. TOLEDANO, and R. OSORIO (*Federal University of Pelotas, Pelotas RS, Brazil*)
- 2696** Surface microhardness & roughness of flowable composite resins after a 196-day-storage in aqueous media. J. MUNACK*, V. HEY, S. DOGAN, G. LEYHAUSEN, and W. GEURTSSEN (*Medical University Hannover, Hannover, Germany*)
- 2697** Effects of Bleach on Color and Surface Roughness of Composites. A.M. DEBUYL*, K.L. O'KEEFE, L. ROEDER, R. PARAVINA, and J.M. POWERS (*UT-Houston Health Science Center-Dental Branch, Houston, TX, USA*)
- 2698** Effect of Sonicare Toothbrushing on the Surface Roughness of Composites. A. PAPATHANASIOU*, J. EHRlich, and F. GARCIA-GODOY (*Tufts University School of Dental Medicine, Boston, MA, USA*)
- 2699** Surface roughness of a new composite resin after four finishing systems. J. RAMOS*, A. VINAGRE, and P. NICOLAU (*Coimbra University, Coimbra, Portugal*)
- 2700** Effect of Surface Finishing and Storage Medium on Hardness and Strength of Restorative Resins. V.V. GORDAN*, S.B. PATEL, A. BARRETT, and C. SHEN (*University of Florida, Gainesville, FL, USA*)
- 2701** Surface roughness of packable composite resins after different polishing systems. A.L. MARSILIO*, A.B. BORGES, C. PAGANI, and J.R. RODRIGUES (*UNESP - São José dos Campos, São José dos Campos, SP, Brazil*)
- 2702** Surface roughness evaluation of flowable composite resins before and after brushing. C. MENDONÇA, J. RAMOS, M. VIEIRA, and F. GUERRA* (*University of Coimbra, Coimbra, Portugal*)
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- Seq#: 251** **Friday, March 8, 3:45 PM - 5:00 PM**
Poster Session, Exhibit Hall C
- Dental Materials: VIII - Others-Non-metallic - Properties of Impression Materials, Gypsum and Investments, Orthodontic Materials, Handpieces**
- 2703** Reproducibility of Sterilized Rubber Impressions. K.M. ABDELAZIZ, A.M. HASSAN*, and J.S. HODGES (*Mansoura University, Mansoura, Egypt*)
- 2704** Flow Behavior of Impression Materials in Newly Shaped Trays. B. REUSCH*, J. FETZ, I. WAGNER, and J. ZECH (*3M ESPE AG, Seefeld, Germany*)
- 2705** Effects of Fluoride Incorporation in the Experimental Alginate Impression Materials. Y.K. LEE*, B.S. LIM, and C.W. KIM (*Seoul National University, Seoul, South Korea*)
- 2706** Assessment Of Parylene Coated Nd-Fe-B Magnets For Orthodontic Applications. L. THORNTON*, J. SPEIGHT, and I.R. HARRIS (*The University of Birmingham, Birmingham, England*)
- 2707** Effects of Storage Media on Force-Displacement Characteristics of Orthodontic Elastomeric Chains. J.A. VON FRAUNHOFER, J.G. WRIGHT*, T. LYONS, and S.D. JOSELL (*University of Maryland, Baltimore, MD, USA*)
- 2708** Incidence of Clinical Debonding in Orthodontics with Reduced Etching Time. S.D. KERR*, T.J. HUGHES, and J.M. POWERS (*University of Texas Dental Branch at Houston, Houston, TX, USA*)
- 2709** Study of shear bond strength between ceramic and titanium casted in different investments. M.P. NEISSER*, D.K. OYAFUSO, R.S. NISHIOKA, E.M.V. COSTA, M.C.A. CARVALHO, and I. BALDUCCI (*UNESP - Faculty of Dentistry of São José dos Campos, Campinas-SP, Brazil*)
- 2710** 2-Year Clinical Performance of Procera/All-Ceram Single Unit Crowns. B.L. GENHO*, R.P. CHRISTENSEN, J.K. HARTUP, and R.S. WAGSTAFF (*Clinical Research Associates, Provo, UT, USA*)