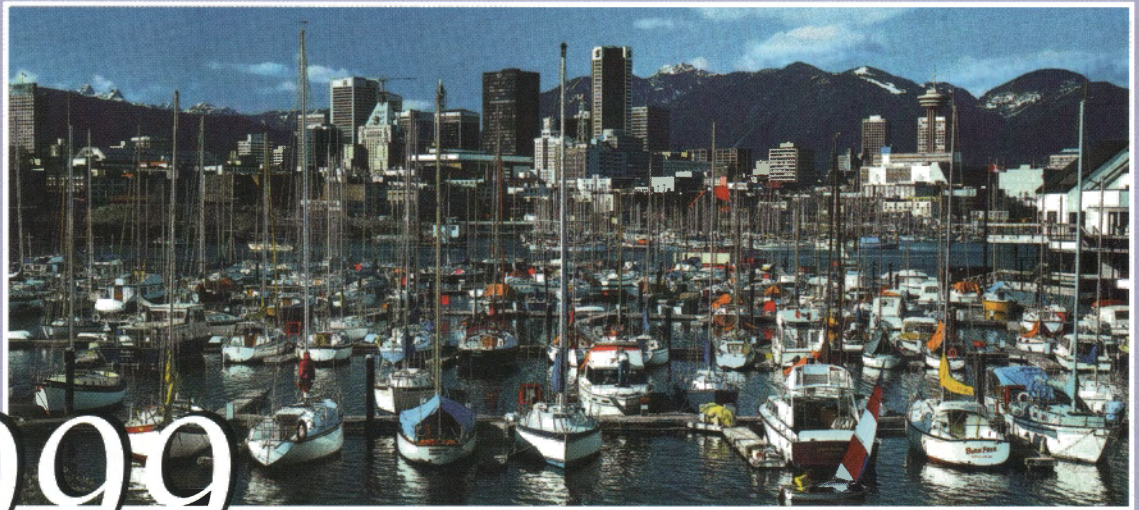


INTERNATIONAL ASSOCIATION *for* DENTAL RESEARCH



1999

MEETING PROGRAM

77th General Session & Exhibition of the IADR

28th Annual Meeting of the AADR

23rd Annual Meeting of the CADR

VANCOUVER
BRITISH COLUMBIA
CANADA

MARCH 10-13, 1999

VANCOUVER TRADE & CONVENTION CENTRE

Dental Materials - Properties of Composites & Compomers

- 2337** *In vitro* Pulp Chamber Temperature Changes during Composite Resin Polymerization. M. HANNIG* and B. BOTT (Clinic of Operative Dentistry, University of Kiel, Germany).
- 2338** Pulp Chamber Temperature Rise Produced by Various Light-curing Units during Composite Placement. M.A. PEREIRA, R.M. ARAUJO*, and M.A.M. ARAUJO (School of Dentistry of Sao José dos Campos—UNESP, SP, Brazil).
- 2339** Reduction of Polymerization Forces with Soft-start Polymerization—A Photo-elastic Investigation. N. BRAND*, C.-P. ERNST, and B. WILLERSHAUSEN (Department of Restorative Dentistry, Johannes Gutenberg University, Mainz, Germany).
- 2340** Hydroxyapatite as a Filler for Dental Resins. C. SANTOS EXPOSITO* and K.W.M. DAVY (Department of Biomaterials in Relation to Dentistry, St. Bartholomew's and Royal London School of Medicine and Dentistry, University of London, UK).
- 2341** Flexure Properties of Fiber-reinforced Composites Using Restrained Ends. K.A. HASER*, C.J. BURSTONE, M.A. FREILICH, and A.J. GOLDBERG (Center for Biomaterials, Department of Prosthetics, and Department of Orthopedics, University of Connecticut Health Center, Farmington, USA).
- 2342** Standardized Conditions for Hardness-Elastic Modulus Conversions. Y.-S. CHENG* and W.H. DOUGLAS (Minnesota Dental Research Center for Biomaterials and Biomechanics, University of Minnesota, Minneapolis, USA).
- 2343** Fracture Toughness of a Microfil, a Hybrid, and a "Compomer" Using the NTP Test. D. MINATO*, N.D. RUSE, and D. FEDUIK (Biomaterials/OBMS/Dentistry, University of British Columbia, Vancouver, Canada).
- 2344** Fatigue Crack Propagation Using the NTP Test—A Pilot Study. N.D. RUSE* (Biomaterials/OBMS/Dentistry, University of British Columbia, Vancouver, Canada).
- 2345** Fracture Toughness of a New "Compomer" Using the NTP Test. D. FEDUIK* and N.D. RUSE (Biomaterials/OBMS/Dentistry, University of British Columbia, Vancouver, Canada).
- 2346** A Comparative Analysis of Two Composite Resins Employed in Prosthetic Dentistry. A. ESPOSITO*, M. ANDREASI BASSI, C. CITO, and G. GORACCI (Department of Operative Dentistry, University of Rome "La Sapienza", Italy).
- 2347** Relationship between Marginal Chipping and Transverse Strengths of Composite Resins. R.T. CARTER*, P.C. MOON, and R.F. BARNES (Virginia Commonwealth University, Richmond, USA).
- 2348** Quantitative Margin Analysis of Restorations Using Light Microscopy. K. RUMI*, M. PELKA, and A. PETSCHERT (Polyclinic of Operative Dentistry, University of Erlangen-Nuremberg, Germany).
- 2349** Cusp Deformation by Shrinkage of Condensable Composites. E. ROOKLIDGE*, D.B. BOYER, and M.R. BOUSCHLICHER (College of Dentistry, University of Iowa, Iowa City, USA).
- 2350** Effect of Sterilization Cycles on Light Transmission of Light Curing Tips. J.R. DUNN, C.A. MUNOZ, K. LUONG, S. PAK, and G.M. VALENCIA* (Loma Linda University, CA, USA).
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Seq#: 240 Friday, March 12, 3:45 pm - 5:00 pm
Poster Session, Exhibit Hall B&C

**Dental Materials - Properties of Impression Materials,
Gypsum, Surface Measurements**

2351 Effect of Disinfection Time on the Dimensional Stability of Alginate. P.J. LEE*, D.F. MURCHISON, and C.M. MINKE (*Wilford Hall Medical Center, Lackland AFB, Texas, USA*).

2352 Factors Influencing the Wettability of Vinyl Polysiloxane Impression Materials. R.S. KESS, E.C. COMBE*, and B.S. SPARKS (*Minnesota Dental Research Center for Biomaterials and Biomechanics; and Oral Health Clinical Research Center, University of Minnesota Dental School, Minneapolis, USA*).

2353 Effects of Retraction Cord Medicaments on Polyvinylsiloxane Impression Material. A. O'MAHONY, P. SPENCER, K. WILLIAMS, G. MARKWAY*, and J. CORCORAN (*University of Missouri—Kansas City School of Dentistry, USA*).

2354 Direct Influence of Disinfectants on Gypsum. K.-T. HA THI*, U. SONDERMANN, B. WÖSTMANN, and P. FERGER (*Department of Prosthetic Dentistry, Justus-Liebig-University of Giessen, Germany*).

2355 Improving Scratch Resistance of Resin-reinforced Die Stone. B.R. COLEMAN*, B. KNOFF, and L. GETTLEMAN (*School of Dentistry, University of Louisville; and Whip Mix Corporation, KY, USA*).

2356 Chemical Analysis of a New Kind of Megafiller: Preliminary Results. M. ANDREASI BASSI*, A. ESPOSITO, C. CITO, and G. GORACCI (*Department of Operative Dentistry, University of Rome "La Sapienza", Italy*).

2357 Micro-probe Analysis of Three Commercially Available Glass-ionomer Cements. C. CITO*, M. ANDREASI BASSI, F. MACCARONI, and G. GORACCI (*Department of Operative Dentistry, University of Rome "La Sapienza", Italy*).

2358 Variation of CAD/CAM Restoration Fit Due to Camera Angulation. B.C. ANDERSON*, H.M. LIVINGSTON, T.G. GEE, and D.E. PARSELL (*School of Dentistry, University of Mississippi Medical Center, Jackson, USA*).

2359 The Optimum Measurement Angle for Direction-dependent Surface Roughness. Y. FUKASE*, I. AKIYAMA, Y. SATOH, H. UEHARA, K. OHKI, H. SATO, and M. NISHIYAMA (*School of Dentistry, Nihon University, Japan*).

2360 Dimensional Analysis for Examination of Dental Restoration Surfaces. E. ACCARISI, G. ALBERGO, F. SAMPALMIERI, and S. ANDREANA* (*Department of Dental Materials, University of Ancona, Italy; and Department of Periodontology, State University of New York at Buffalo, USA*).

Seq#: 241 Friday, March 12, 3:45 pm - 5:00 pm
Poster Session, Exhibit Hall B&C

Diagnostic Systems - Computers/TMJ/Endodontics

2361 Critical Comparison of Computer Programs Utilized in Mass Disaster Identification. D.A. ALLEN*, T.S. WOLFE, D.R. SENN, and M.E. ALDER (*Dental School, University of Texas Health Science Center at San Antonio, USA*).

2362 Performance of Computer Speech Recognition for Clinical Data Recording. L.C. RAMP*, N.C. GEURS, M.H. RAMP, and R.L. JEFFCOAT (*University of Alabama School of Dentistry, Birmingham, USA*).