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International Association *for*
Dental Research



76th General Session & Exhibition of the IADR

*Held in conjunction with the British, Continental European, Irish, and Israeli Divisions
of the IADR and the Scandinavian Association for Dental Research*

June 24-27, 1998

**Cariology - Enamel/Dentin Structure; Root Caries;
Methods**

0665 Demineralization around Enamel Lamellae Registered by Computerized Image Analysis. J. STOPA*, T. MATTHEWS-BRZOZOWSKA, B. MISKOWIAK, and M. CHMIELNIK (*Department of Conservative Dentistry and Periodontology, Institute of Dentistry, Chair and Department of Histology, Karol Marcinkowski University of Medical Sciences, Poznań, Poland*).

0666 Surface Characteristics of Polished Dentin. Y. HIROSE*, K. NARIKAWA, M. INOUE, M. UEMURA, and M. KAMBARA (*Operative Dentistry, Preventive Dentistry, Osaka Dental University, Japan*).

0667 Enamel Defects in Human Deciduous Teeth. S.T. BADEN* and J.W. SIMMELINK (*School of Dentistry, Case Western Reserve University, Cleveland, OH, USA*).

0668 Heavy Metals and Caries in Primary Teeth from Norwegian Children. H.M. TVINNEREIM* and R. EIDE (*Department of Anatomy and Cell Biology and Department of Odontology-Dental Biomaterials, University of Bergen, Norway*).

0669 Surface Structure of Deciduous Enamel Observed by Atomic Force Microscopy. M. MOTOYAMA*, M. DAITO, M. UEMURA, and M. KAMBARA (*Department of Pediatric Dentistry and Department of Preventive and Community Dentistry, Osaka Dental University, Japan*).

0670 Fluoride Supplementation from the Start of Amelogenesis. I. GEDALIA* (*Department of Oral Biology-Dental Research, Hadassah School of Dental Medicine, Jerusalem, Israel*).

0671 Evaluation of Depth and Size of Various Natural Enamel Lesions. T. MATTHEWS-BRZOZOWSKA* (*Department of Conservative Dentistry and Periodontology, Institute of Dentistry, Chair and Department of Histology, Karol Marcinkowski University of Medical Sciences, Poznań, Poland*).

0672 Dentinal Ca/P Ratio Lowering and Caries Inhibition in Rat. M. MARQUET*, A. BERARD, J. MIR, and Ph. NDOBO-EPOY (*University Victor Segalen of Bordeaux, France*).

0673 Microhardness and Light Microscopic Studies of *in situ*-induced Caries in Irradiated Dentin. A.M. KIELBASSA*, K.-Th. WRBAS, B. DORNFELD, and E. HELLWIG (*Department of Operative Dentistry and Periodontology, University of Freiburg, Germany*).

0674 An Image of Enamel with Natural and Artificial Caries Changes in Children and Adults—Laboratory Studies. A. SURDACKA*, T. MATTHEWS-BRZOZOWSKA, and E. KACZMAREK (*Department of Conservative Dentistry and Periodontology, Institute of Dentistry, Department of Informatics and Statistics, Karol Marcinkowski University of Medical Sciences, Poznań, Poland*).

0675 An *in vitro* Analysis of Carious Attack Tooth Susceptibility after Root Planing. C. CITO*, M. ANDREASI BASSI, G. MORI, and G. GORACCI (*Department of Operative Dentistry, University of Rome "La Sapienza", Italy*).