Session 1. Thursday p.m. Erosion

Chairs: Buzalaf, Manton, Vieira


2. A. Callaway, H. Meisberger*, B. Willershhausen, E. Stender: Surface Roughness of Dental Enamel after In Vitro Exposure to Alcopops or Acidic Beverages and Streptococci

3. J. Voronets*, A. Lussi: Thickness of Softened Human Enamel Removed by Toothbrush Abrasion: An In Vitro Study


5. Ganss C*, Schlüeter N, Blazek D, Klimek J: Effects of Toothbrushing with Different Forces on Eroded Dentine

6. D. Rios*, A.C. Magalhães, H.M. Honório, M.A.A.M. Machado, M.A.R. Buzalaf: A Light Cola Drink is Less Erosive to Enamel than A Regular Cola: An In Situ/Ex Vivo Study


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Session 2. Thursday p.m. Clinical Studies/Risk Assessment

Chairs: Campus, Paris, Wong


A Clinical Trial of Tooth Mousse to Remineralize White Spot Lesions in a Post-orthodontic Population


30. S. Paris*, K. Bitter, H. Renz, H. Meyer-Lueckel: Visualisation of Infiltrant Penetration into Natural Enamel Caries with two Dual Fluorescence Techniques In Vitro


34. A.M.G.A. Laheij*, A.J.P. van Strijp, C. van Loveren: Remineralisation of Advanced Dentine Lesions In Situ

35. S.D. Litvinov*, G.Y. Nicolau, R.I. Rakhimov, R.R. Demina: Dentine Regeneration in the Carious Cavity

36. W. Dukic*, H. Juric: The Influence of Ozone on Cariogenic Bacteria in Deep Carious Lesions Ex Vivo


Session 3. Friday a.m. Epidemiology

Chairs: Carvalho, Schiffner, Tramini

38. S. Berzina*, R. Care, S. Skrivele, S. Kneist, A. Borutta: Caries Pattern and Risk Factors in Toddlers in Riga, Latvia

39. E. Lenčová*, Z. Broukal, H. Pikhart, G. Tsakos: Relationship between Parental Locus of Control and Caries in Primary Dentition in Pre-school Children

40. M. Marotti*, A. Bodenwinkler, G. Sax, P. Staedtler: Caries Prevalence among 6-year-old Austrian Children

41. C. Steegmann*, P. Pratsch, S. Effenberger, U. Schiffner: Caries in 3- to 6-year-old Pre-school Children in Hamburg


45. Ch. Berndt*, A. Kurzweil, Ch. Meller, Ch. H. Splieth: Fluorosis and Caries in East German Pupils

46. R.S.F. Albuquerque, F.D.S. Forte*, F.C. Sampaio: Dental Caries and Fluorosis in Children of a Recently Fluoridated Brazilian Town

47. T. Samec*, J. Jan, B.T. Amaechi: Influence of Antiasthmatic Medications on Dental Caries in Slovenian Children

48. B.T. Amaechi*, J. Jan, J. Lozano-Pineda: Association of Asthma Medications and Caries among Children of South Texas

49. P. Tramini*, M. Tentscher, J.C. Chazel, A.G. Schulte: Caries Experience and Body Mass Index among 12-year-old Children from Montpellier (France)

50. K. Ridell, H. Olsson, I. Mejàre*: Unrestored Dentin Caries and Deep Dentin Restorations in Swedish Adolescents

51. R. Cabello*, W. Aranda, A. Muñoz, J. Gamonal: Disparities in the Distribution of Dental Caries among Adolescent in the Metropolitan Region of Chile

52. M.S. Hopcraft*, M.V. Morgan: Trends in Dental Caries in Australian Army recruits from 1996 to 2008

53. U. Schiffner*, W. Micheelis: Root Caries in German Adults and Senior Citizens


Session 4. Friday a.m. De/remineralization
Chairs: Cenci, Elliott, Exterkate


58. R.A.M. Exterkate, S. Brummans*, J. Schouten, J.M. ten Cate: The Development of Secondary Lesions in a pH-cycling Model

59. T. Pereira-Cenci*, M.S. Cenci, J.A. Cury, J.M. ten Cate: Relationship Between Gap Size and Secondary Caries: A Preliminary Study on Microcosm Biofilm
60. M.S. Cenci*, L.M.A. Tenuta, T. Pereira-Cenci, A.A. Del Bel Cury, J.M. ten Cate, J.A. Cury: Microleakage and Fluoride Effect on Enamel-dentine Demineralisation around Dental Restorations


62. P.W. Grosvenor*, J. Kosoric, M.P. Hector, R.A.D. Williams, P. Anderson: A Shortened Statherin Analogue Reduces Enamel Demineralisation Rate Similarly to the Full-Length Protein


65. A. Mentes*, E.A. Haznedaroglu: In vitro Hardness of Carious Enamel After Placing Two Different GIC Fissure Sealant Materials


69. P. Tschoppe*, M. Milde, A.M. Kielbassa, H. Meyer-Lueckel: Influence of Fluoridated Agents in Combination with Two Saliva Substitutes on Demineralized Dentin In Vitro


71. T. Tanaka*, Y. Terada, H. Kamasaka, T. Kometani, T. Kuriki, N. Yagi: Correlation between Remineralization and Recrystallization of the Early Caries Lesion by Phosphoryl Oligosaccharides Calcium

72. A.K. Burwell*, T.K. Porsgaard: Remineralization Potential of a Novel Chewing Gum

74. D.M. Zezell*; P.A. Ana; K. Rosa; A. Craievich; J.A. Cury, L. Bachmann: Changes in Crystalline Structure of Dental Enamel after Laser Irradiation Aimed at Caries Prevention

Session 5. Friday p.m. Diagnostics/Epidemiology
Chairs: Bartlett, Kuehnisch, Martinez-Mier

75. A. Jablonski-Momeni*, D.N. Ricketts, V. Stachniss, M. Heinzl-Gutenbrunner, K. Pieper: Impact of Scoring Single or Multiple Occlusal Lesions by ICDAS-II on Estimates of Diagnostic Accuracy

76. K. Bücher*, J. Kühnisch, R. Hickel, R. Heinrich-Weltzien: Methodology and Potential of the Caries-Progression-Index (CP-Index) for Quantitative Caries Extension Measurement

77. J. Kühnisch*, S. Ifland, T. Gurks, R. Heinrich-Weltzien: Do Caries Lesions on Upper Incisors Justify the Prescription of Bitewing Radiographs in 15-year-olds?


79. N.B. Pitts*, C. Longbottom, A.F. Hall, A. Czajczynska-Waszkiewicz, P. Los, M. Masalski, P. Biecek, A.M. Christie: Diagnostic Accuracy of an Optimised AC Impedance Device to Aid Caries Detection and Monitoring

80. Ö. Durmuşoğlu, D. Tağtekin, F. Yanıkoglu*, M. Fontana, G.K. Stookey: Evaluation of Demineralization and Remineralization of Root Surface Incipient Lesions In Vitro


84. M.G. McGrady*, D. Browne, R.P. Ellwood, I.A. Pretty: Differentiation of Demarcated Enamel Opacities from Fluorosis Using Quantitative Light-Induced Fluorescence

85. C.C.S. Dong*, A. Huminicki, M.G. Sowa, B. Cleghorn, L.-P. Choo-Smith: Raman Spectroscopic Measurements of Stained Enamel, Unstained Enamel and White spot Lesions

87. C. Longbottom, E. Perfect*, C. Rowley-Williams, N.B. Pitts: A Luminescent Calcium-ion Binder in the Assessment of Dental Erosion Risk/susceptibility – An In Vitro Feasibility Study

88. G. Solinas*, G. Campus, M.G. Cagetti, C. Maida, P. Castiglia, L. Strohmenger: Caries Distribution Modelling: An Application on the Data Set from the First Italian National Pathfinder

89. M. Grošelj*, J. Jan: Molar-Incisor Hypomineralisation among Children Living in Slovenia


91. J. Fares, K. Chiu, S. Shirodaria, N. Ahmad, D. Bartlett*: The Reproducibility of a New Tooth Wear Index Tested on a Cohort of University Students aged 18-30


Session 6. Friday p.m. Microbiology/Dental Plaque

93. C. Meller*, C. von Ohle, C. Berndt, C. Slieth: Contamination of Toothpaste Tubes by Streptococcus mutans

94. A. Ciçek*, R.Z. Thomas, V. Zijnge, M.C.D.N.J.M. Huysmans, H.J.M. Harmsen: Denaturing Gradient Gel Electrophoresis to Study Microbial Populations in Relation to Primary and Secondary Caries

95. S. Rupf*, M. Hannig, W. Schellenberger, K. Eschrich, A. Schubert, S. Kneist: Differentiation of Streptococcus mutans from Saliva and Carious Dentine by MALDI-TOF-MS

96. Y. Lu*, T. Liu, Y. Jinbo: Relationship between Glucosyltransferase Expression and Extracellular Polysaccharide Production by Different Strains of Streptococcus mutans


104. J.A. Cury*, C.P. Aires, A.A. Del Bel Cury, L.M.A. Tenuta, H. Koo: Effect of Starch and Sucrose on Dental Biofilm Composition and on Root Dentine Demineralization


107. N. Chavarria*, F.O. Gamboa, S. Escribano, R. Vitery: Inhibitory Activity of Stevia rebaudiana against Lactobacillus acidophilus and Streptococcus mutans

108. S.G. Dashper*, S.W. Liu, E.C. Reynolds: Effect of the KappaZinc Antimicrobial Complex on Oral Bacterial Biofilms


Session 7. Saturday a.m. Diagnostics
Chairs: Buchalla, Cortes, Ricketts


115. F.M. Mendes*, T.F. Novaes, R. Matos, J.C.P. Imparato, M.M. Braga: Performance of Different Methods to Detect Approximal Caries Lesions in Primary Molars – An In Vivo Study

Reproducibility of Three Fluorescence Methods in Detecting Occlusal Caries Lesions in Primary Teeth

117. T. Doi*, T. Miyake, M. Uene, K. Jin, K. Kawasaki, M. Kambara:
Early Caries Evaluation with Visual and QLF Examination in Nursery and Elementary School Children

The Influence of Pit and Fissure Sealants on Infrared Fluorescence Measurements

119. D.F. Côrtes*, J.C. Guerra, M.S.C. Sampaio, R.B. Bezerra:
Clinical Validation of Visual, FOTI/visual and Radiographic Examination for Caries Detection Adjacent to Composite Restorations

Using ICDAS-II and QLF-I for Assessing Caries Incidence within a Short Interval

121. A.I. Ismail*, W. Sohn, S. Lim, J. Willem:
Progression of Early Carious Lesions in Children aged 5 Years or Less

Influence of Examiners’ Clinical Experience on the Reproducibility and Validity of Radiographic Examination in Detecting Occlusal Caries

123. J.A. Rodrigues*; I. Hug; M.B. Diniz; A. Lussi:
Performance of Fluorescence Methods, Radiographic Examination and ICDAS II System for Occlusal Caries Detection

Detection of Proximal Caries on Extracted Permanent Teeth: Relationships between ICDAS-II, Laser Fluorescence, Radiographs and Histology

125. L. Shoab, C. Deery*, Z.J. Nugent, D.N.J. Ricketts:
Validity and Reproducibility of a Meticulous Visual Caries Detection System (ICDAS II) in Primary Teeth

126. M.M. Braga*, S. Martignon, F.M. Mendes, D.J. Ricketts, K.R. Ekstrand:
Evaluation of Two Visual Scoring Systems in Occlusal Caries Detection and Caries Activity Assessment

Assessment of Lesion Activity Scoring by Lesion Progression over 8 Months

128. L. Jaruszewski*:
An Optical Sensor for Quantitative Intraoral Differentiation of Active and Inactive Lesion Surfaces: A Pilot Study

129. C. Longbottom*, E. Perfect, C. Rowley-Williams, N.B. Pitts:
A Luminescent Calcium-ion Binder as a Possible Marker for Caries Activity – A Feasibility Study
Session 8. Saturday a.m. Fluoride

Chairs: Bottenberg, Whitford + 1 To Be Announced

130. S. Mortazavi*, V. Zohoori, A. Maguire: Fluoride Concentrations of Soft Drinks Available in the Iranian Market


133. F.V. Zohouri*, A. Maguire, C.L. Gannon, K. Tsoi, P.J. Moynihan: Dietary Fluoride Intake in British Children Aged 4 to 18 Years and Receiving Optimally-fluoridated Water

134. P. Melo*, M.J. Silva, J. Domingues: Caries Incidence and Increment Five Years after Cessation of School Fluoride Administration Methods


136. R.L. Karlinsey*, A.M. Pfarrer, G.K. Stookey: Dilution-dependent Fluoride Release from NaF Dentifrices Containing Unique Forms of Calcium

137. P. Bottenberg*, K. Kusnetsov, G. Steege, M. Buijs, W. Mautsch: Availability of Fluoride from Toothpastes in Peru and Belgium Measured with Different Methods

138. G. Campus*, G. Sacco, N. Spano, G. Spano, M. Bossù, G. Sanna: In Vitro Uptake of Fluoride into Enamel from Various Fluoride Products

139. D. Churchley*, C.S. Newby, S. Kearns, C. Gonzalez-Cabezas: Electron Probe Microanalysis for Imaging the Fluoride Distribution within Incipient Caries Lesions


141. D.C. Souza, L.N. Hashizume, M. Maltz*: Effect of Low-concentration Fluoride Agents on Demineralization: An In Situ Study

142. E. Suyama*, Y. Iijima: Increased Enamel Acid Resistance due to Fluoride in a Green Tea Extract


