



The International Association of Paediatric Dentistry
Global Summit on Early Childhood Caries
2-4 November, 2018 | Bangkok, Thailand

Final Program as at 25 October, 2018

Thursday, 1 November, 2018

14:00-18:00	Registration
15:00-17:00	Pre-Meeting with IAPD Board Members and National Society Presidents / Representatives (by invitation only)
18:00-19:30	Opening Ceremony Moderator: Ari Kupietzky , IAPD Secretary General
18:00-18:10	Welcome Note Anna Maria Vierrou, IAPD President
18:10-18:20	Phuangphet Setpakdee, TSPD President
18:20-18:30	Ramon Baez, Consultant of WHO
18:30-18:40	Nikolai Sharkov, FDI
18:40-18:50	Nigel Pitts, ACFF
18:50-19:20	Entertainment
19:20-19:30	IAPD Board of Directors Regional Representatives (AAPD, EAPD & PDAA)
19:30-21:30	Welcome Reception

Friday, 2 November, 2018

08:00-18:00 Registration

08:45-09:00 **Welcome Note**
Marcelo Bönecker, Scientific Chair
Norman Tinanoff, Scientific Co-Chair
Svante Twetman, Scientific Co-Chair

SYNOPSIS OF EVIDENCE

09:00-11:00 **Session 1: ECC - Epidemiology and Risk Assessment**
Chairs: Marcelo Bönecker, Brazil; Anna Maria Vierrou, Greece

09:00-09:30 **Worldwide Reporting of ECC Definitions and ECC Prevalence**
Norman Tinanoff, USA

09:30-10:00 **Impact of ECC on Oral Health Related Quality of Life**
Colman Mc Grath, China

10:00-10:30 **Aetiology of ECC**
Carlos Feldens, Brazil

10:30-11:00 **Caries Risk Assessment**
Svante Twetman, Denmark

11:00-11:30 Coffee Break, Exhibition Visit and Posters Viewing

11:30-12:15 **Session 2: Interactive Session with National Societies**
Chairs: Ari Kupietzky, Israel; Anthony Tsai, Taiwan

Presentation of the Results from the Questionnaire
Interactive Discussion with the National Societies Representatives

12:15-13:00 **Industry Session by Shofu**
Chairs: Marcelo Bönecker, Brazil; Taku Fujiwara, Japan

Inhibitory Effect of S-PRG Filler Against Dental Caries in Children
Ryota Nomura of Osaka University

13:00-14:30 Lunch Break, Exhibition Visit and Posters Sessions 1, 2 & 3

Friday, 2 November, 2018 (Cont.)

14:30-16:00	Session 3: ECC Management Chairs: Norbert Kraemer, Germany; Anne O'Connell, Ireland
14:30-15:00	Non-Invasive ECC Management <u>Prathip Phantumvanit, Thailand</u>
15:00-15:30	Restorative Management of ECC <u>Kevin Donly, USA</u>
15:30-16:00	Community Management <u>Kim Seow, Australia</u>
16:00-16:30	Coffee Break, Exhibition Visit and Posters Viewing
16:30-18:00	Session 4: Interactive Session with Experts Chairs: Norman Tinanoff, USA; Svante Twetman, Denmark
16:30-18:00	Expert Panel and Delegates
18:00-19:00	Posters Sessions 4, 5 & 6

Saturday, 3 November, 2018

CLINICAL APPROACHES

09:00-10:30 **Session 5: ECC Preventive Management**
Chairs: Jorge Luis Castillo, Peru; Katerina Kavvadia, Greece

09:00-09:40 Lecture 1: **Preventive Strategies and Fluoride Protocols**
Taku Fujiwara, Japan

09:40-10:20 Lecture 2: **The Impact of Diet on ECC**
Bernadette Drummond, UK

10:20-10:30 Discussion

10:30-11:00 Coffee Break, Exhibition Visit and Posters Viewing

11:00-12:45 **Session 6: ECC Restorative Principles 1**
Chairs: Eduardo Alcaino, Australia; Arthur Kemoli, Kenya

11:00-11:45 Lecture 3: **New Approaches to Manage ECC**
Monty Duggal, Singapore

11:45-12:30 Lecture 4: **Conventional Restorative Management of ECC: Is it still Relevant?**
Ted Croll, USA

12:30-12:45 Discussion

12:45-14:15 Lunch Break, Exhibition Visit and Posters Sessions 7, 8 & 9

14:15-15:45 **Session 7: ECC Restorative Principles 2**
Chairs: Jorge Luis Castillo, Peru; Marietjie Weakley, South Africa

14:15-14:55 Lecture 5: **Innovations in Restorative Materials and Techniques**
Norbert Kraemer, Germany

14:55-15:35 Lecture 6: **Management of the Extensively Damaged Primary Teeth**
Anne O'Connell, Ireland

15:35-15:45 Discussion

15:45-16:15 Coffee Break, Exhibition Visit and Posters Viewing

16:15-17:00 **Session 8: ECC Community-Based Strategies**
Chairs: Eduardo Alcaino, Australia; Arthur Kemoli, Kenya

16:15-17:00 Lecture 7: **Community Approaches: Recommendations for Practice**
Francisco Ramos-Gomez, USA

Saturday, 3 November, 2018 (Cont.)

17:00-17:45 Session 9: Present and Future Management of ECC

17:00-17:45 **Interactive Session with all Speakers and the Audience**
Moderator: Bernadette Drummond, UK

Speakers: Ted Croll, USA; Monty Duggal, Singapore; Taku Fujiwara, Japan; Norbert Kraemer, Germany; Anne O'Connell, Ireland; Francisco Ramos-Gomez, USA

18:00-19:00 Posters Sessions 10 & 11

Sunday, 4 November, 2018

09:00-11:00	Session 10: Reports and Conclusions (Part 1) Chairs: Norman Tinanoff, USA; Svante Twetman, Denmark
09:00-11:00	Report from the Group of Experts to the Delegates <i>Presenting the Draft of the Bangkok Declaration</i> <i>Interactive Discussion with the Audience</i>
11:00-11:30	Coffee Break, Exhibition Visit and Posters Viewing
11:30-13:30	Session 10: Reports and Conclusions (Part 2) Chairs: Norman Tinanoff, USA; Svante Twetman, Denmark
11:30-12:00	Oral Health Topic Advisory Group (ICD) and the WHO Public Health Intervention against Early Childhood Caries <u>Ramon Baez</u> , Consultant of WHO & <u>Carolina Diaz Guillory</u> , USA
12:00-13:00	The Vision of IAPD is the Global Convener of Oral Health What is Next? Where are we Going? <u>IAPD Board of Directors</u>
13:00-13:30	Poster Awards & Closing Ceremony: <u>Anna Maria Vierrou</u> , <i>President</i> <u>Marcelo Bönecker</u> , <i>President Elect & Global Summit Scientific Chair</i>

Poster Presentations

Friday, 2 November, 2018

13:30-14:10

Aetiology of Early Childhood Caries

Judges: Bernadette Drummond, UK; Muthu Murugan, India

1. **Oral Micro-Flora Estimation in Caries Active and Caries Inactive Indian Children using Culture Techniques and PCR Analysis: A Preliminary Study**
Kalpana Bansal, India
2. **Comparison of the Efficacy of Probiotic, Chlorhexidine and Sodium Fluoride Mouth Rinses on Mutans Streptococci (MS) in 8 to 12 yrs Old Indian Children**
Krutika Gedam, India
3. **Oral Microbiota Changes in Children Undergoing Comprehensive Dental Treatment for Severe Early Childhood Caries**
Nivethanan Kamalendran, New Zealand
4. **Early Childhood Caries Amongst Pre-School Children and their Caregivers' Perceptions of Oral Health in a Kenyan Rural Setting**
Nancy Njoroge, South Africa
5. **The Factors Associated with Early Colonization of Mutans Streptococci in Infants**
Supatcharin Piwat, Thailand
6. **Association of Early Childhood Caries and Parental Stress**
Debapriya Pradhan, India
7. **Enigma of Innocent Smiles-ECC**
Ankita Sharma, India
8. **Effect of Oral Behavior and Maintenance on Salivary Mutans Streptococci Levels in Infants**
Yoshimori Uchikawa, Japan

13:30-14:20

Clinical Management of ECC (Part 1)

Judges: Marietjie Weakley, South Africa;
Andreas Agouropoulos, Greece

9. **Comprehensive Care of Early Childhood Caries in Uncooperative Toddler (Case Report)**
Laelia Dwi Anggraini, Indonesia
10. **The Effect of Silver Diamine Fluoride on the Microtensile Bond Strength of Glass-Ionomer Cement**
Prim Auychai, Thailand

11. **International Caries Classification and Management System (ICCMS) Protocol for North Indian Pre-School Children: A Hospital Based Modification**
Imam Azam, India
12. **Estimation of Levels of Proline and Arginine in Saliva of Children with Early Childhood Caries**
Meghna Bhandary, India
13. **How Good are our Tools?**
Sham Bhat, India
14. **General Anesthesia for the Early Childhood Caries Treatment: A Case Report**
Ines Cardoso Martins, Portugal
15. **Success Rates of Class II SMART Restorations in Mandibular Primary Molar Teeth in Children Participating in the Dental Proactive Project of Public Health Region 12**
Oitip Chankanka, Thailand
16. **Randomized Clinical Trial Protocol to Study Caries-Arresting Effect of Silver Nitrate and Fluoride Varnish with Functionalized Tricalcium Phosphate**
Jieyi Chen, Hong Kong
17. **The Failure Rate of Different Types of Full Coronal Restoration Crowns in Primary Teeth**
Ching-Hua Chen, Taiwan
18. **Rehabilitation of Mutilated Primary Anterior Dentition using Prefabricated Zirconia Primary Crown**
Hsien Hsiung Chiang, Taiwan

13:30-14:20

Community Management of ECC (Part 1)

Judges: Francisco Ramos-Gomez, USA; Katerina Kavvadia, Greece

19. **An In Vivo Comparative Evaluation of Effect on Two Dental Varnishes In the Prevention of ECC**
Rajesh H Bariker, India
20. **Restoring Primary Teeth and Applicability of Prefabricated Crowns in Children**
Cristina Ioana Bica, Romania
21. **Oral Health Inclusion in General Health Programs during the First Three Years of Life: Are there Public Health Policies to Prevent Early Childhood Caries in South-America?**
Ailin Rosario Cabrera Matta, Peru
22. **Knowledge and Awareness of Nursing Professionals Posted in Pediatric Wards about Early Childhood Caries and Prevention**
Ankita Chaudhary, India
23. **Effectiveness of Two Distinct Recalls Intervals on Caries Incidence in Preschool Children with Low Caries Risk: Randomized Clinical Trial**
Thais Cordeschi, Brazil

24. **Factors Associated with Increased Caries Risk in Children of Immigrant Parents**
Goran Dahllof, Sweden
25. **Level of Salivary Microorganisms after Consumption of Malaysian Tualang Honey: A Preliminary Study**
Norzalina Ghazali, Malaysia
26. **Feasibility of Implementation of an Oral Health Education Program in Prevention of Early Childhood Caries among 1-6 yrs Old Children Utilizing the Services of Anganwadi Health Workers**
Ashima Goyal, India
27. **Early Childhood Caries Prevention Program in Turkey**
Taskin Gurbuz, Turkey
28. **Comparative Clinical Trial of Two Remineralizing Treatments in Primary Molars**
Maria Juarez, Mexico

18:00-19:00

Clinical Management of ECC (Part 2)

Judges: Marietjie Weakley, South Africa;
Andreas Agouropoulos, Greece

29. **Early Childhood Caries is a Severe Problem–Wake Up!**
Paramjeet Singh Chopra, India
30. **Esthetic and Cost-Effective Restoration of Carious Primary Teeth with Extra-Coronal Restoration(s) Fabricated Using a Novel Composite Based Material**
Neeraj Gugnani, India
31. **Severe Early Childhood Caries with Abnormal Maxillary Labial Frenum Attachment: A Case Report**
Ya Hsin Hsueh, Taiwan
32. **Making of the World's First Smart Zirconia Crown: The Pediatric Dentist Way**
Mukul Jain, India
33. **Maternal Salivary Cariogenicity after Administration of Indian Cottage Cheese: An in Vivo Study**
Cynthia Jeyakumar, India
34. **Restoration of the Extensively Damaged Primary Anterior Teeth: A Case Report**
Byunggee Kim, South Korea
35. **Full Mouth Rehabilitation in Early Childhood Caries**
Arun Kumar, India
36. **Randomized, Double Blind, Placebo Controlled Trial of Polo Tabs Containing Igy to Reduce Oral Colonization by S Mutans in Children**
Nikhil Marwah, India

37. **Implementation of SMART to Pre-School Children with Early Childhood Caries**
Alfini Octavia, Indonesia
38. **Cooperation on Dental Treatment and Approach for Cleft-Lip and Palate in Meikai University Hospital**
Takafumi Ooka, Japan
39. **Salivary Cortisol Response to Acute Stress in Children with Early Childhood Caries**
Anastasia Osokina, Russia
40. **In Vitro Evaluation of the Staining Potential of Silver Diamine Fluoride**
Jilen Patel, Australia

18:00-19:00

Dental Materials: In Vitro Studies for Preventive and Restorative Dentistry

Judges: Norbert Kraemer, Germany; Katrin Bekes, Germany

41. **Comparative Evaluation of the Effect of Different Cleaning Methods on Sealant Penetration and Nanoleakage**
Khairunnisa Ahmad Bustami, Malaysia
42. **Evaluation of Bond Strength of Self-Etch and Universal Adhesives to Primary Teeth Dentine**
Christina Boutsouki, Germany
43. **Influence of Biofilm on the Color Stability of Calcium Silicate Materials**
Hong-Keun Hyun, South Korea
44. **Evaluation of Ultrastructural Changes under Scanning Electron Microscopy after Silver Damine Fluoride Application in Primary Teeth with Active Carious Lesion: An In vitro Study**
Baby John John, India
45. **Remineralization Effects of Anticariogenic Products on Demineralized Enamel an In Vitro Study**
Jongbin Kim, South Korea
46. **Antibacterial Properties and Fluoride Release of Glass Ionomer Cement Containing Coumarin Derivative**
Zuliani Mahmood, Malaysia
47. **Three-Dimensional Analyses of Surface Morphology of Posterior Paediatric Zirconia Crowns**
Ok Hyung Nam, South Korea
48. **Research of the Sealing Material for Dental Caries Prevention that uses Glass Materials Releasing Zinc and Fluoride**
Masao Ozaki, Japan

49. **An In Vitro Evaluation of the Effects of Different Pre-Treatment Protocols on Fissure Sealant Microleakage**
Suharni Puteh, *Malaysia*
50. **The Comparison of Fluoride Release from Fluoride Releasing Dental Adhesives**
Sukumarn Setteetunyahan, *Thailand*
51. **Resistance to the Fracture of Pediatric Zirconia Crowns: In Vitro**
Irma Verdugo, *Mexico*
52. **Masking Dental Fluorosis in Adolescents: Literature Review, RCT and Case Series**
Michael J. Wicht, *Germany*

18:00-18:45

Identification and Occurrence of ECC (Part 1)

Judges: Jorge Luis Castillo, Peru; Anthony Tsai, Taiwan

53. **Feeding Practices, "Severe Early Childhood Caries" and "General Health Status" in One to Two years Old Indian Urban Children: A Cross-Sectional Study**
Priyanka Acharya, *India*
54. **Assessment of Caries Risk Factors Affecting the Children of Goa with Early Childhood Caries**
Krishna Balraj, *India*
55. **Association Between Maternal Age in Pregnancy and Dental Caries in Preschool Children**
Fernanda Cunha Soares, *Sweden*
56. **Re-Defining Early Childhood Caries: An Overview**
Nikhita Gune, *India*
57. **Prevalence of Early Childhood Caries in India: An Overview of Published Literature between 2003 and 2018**
Amil Joshi, *India*
58. **Early and Severe Early Childhood Caries among 2- to 5-year-olds in the 2009 New Zealand National Oral Health Survey: Prevalence and Associated Factors**
Martin Lee, *New Zealand*
59. **Early Childhood Caries Characteristics in Children with Negative and Positive Behavior**
Elena Maslak, *Russia*
60. **Prevalence of Early Childhood Caries in India: A Systematic Review**
MS Muthu, *India*
61. **Prevalence of Factors Predisposing and Association of Childhood Obesity and Dental Conditions in Indian Urban Preschool Children**
Shraddha Natekar, *India*

Poster Presentations

Saturday, 3 November, 2018

13:15-14:15

Clinical Management of ECC (Part 3)

Judges: Marietjie Weakley, South Africa;

Andreas Agouropoulos, Greece

62. **Zirconia Crowns: A Promising Restorative Option in Early Childhood Caries**
Vaishali Nandini Prasad, India
63. **Determining the Size of a SDF Drop and the Margin of Safety on Young Children**
Sarunphorn Rasamimari, USA
64. **Full Coronal Restorations in the Oral Rehabilitation of Patients with Severe ECC: 2 Case Reports**
Senem Selvi-Kuvvetli, Turkey
65. **Zirconia-Prefabricated Crowns for Pediatric Patients with Early Childhood Caries: Case Series**
Figen Seymen, Turkey
66. **Upper Arch Rehabilitation of Early Childhood Caries in a Child**
Rajeev Kumar Singh, India
67. **Cariogenic Potential and Total Antioxidant Capacity of Saliva after the Consumption of Candies and Dairy Products- An in Vivo Study**
Prachi Suman, India
68. **The Mean Age of Early Childhood Caries (ECC) Receiving Dental Treatment under General Anesthesia or IV Sedation**
Kuo Ting Sun, Taiwan
69. **Urinary Fluoride Excretion after a Single Application of Fluoride Varnish in Preschool Children**
Svante Twetman, Denmark
70. **Assessment of Salivary pH, Secretory IgA, Streptococcus Mutans Levels and Overall Health of the Children after Consumption of Curd**
Muhammad Unais, India
71. **Comparison the Influence of Visual Art Therapy among Normal and Learning Disability Paediatric Patients with Dental Anxiety**
Lee Kuo Wej, Malaysia
72. **Frequency of Repeat General Anaesthesia (GA) in Paediatric Dental Patients: A 10-Years Review**
Ahmad Shuhud Irfani Zakaria, Malaysia

73. Functional and Esthetic Rehabilitation of 5 yrs Old Patient with Early Childhood Caries: Case Report

Ratna Ayu Alia Zulkarnain, Indonesia

13:15-14:05

Community Management of ECC (Part 2)

Judges: Francisco Ramos-Gomez, USA; Katerina Kavvadia, Greece

74. Using Social Media to Implement Clinical Guidelines on Dental Caries Prevention and Management for Pre-School Children in Hong Kong: A Randomised Clinical Trial

Gillian Lee, Hong Kong

75. Current Status and Collaborative Strategies Against Early Childhood Caries in Mekong River Region

Pattarawadee Leelataweewud, Thailand

76. Association between Early Childhood Caries, Thalassaemia Disease and Dental Parameters in Transfusion Dependent Thalassaemia Patients

Alida Mahyuddin, Malaysia

77. The Oral Health Promotion Activities for Mongolian Children and their Parents in Ulan Bator, Mongolia

Sachie Naoi, Japan

78. Preventing Early Childhood Caries among Children in Rural Maine

Jenny Park, USA

79. Knowledge and Attitude of School Teachers Regarding Early Childhood Caries in Navi Mumbai (India)

Devendra Patil, India

80. Odontogenic Fascial Infections Involving Primary Molars Affected with S-ECC in Indian Children: Evaluation of Microbiota, Antibiotic Sensitivity & Antibiotic Resistance via Vitek 2 System

Hasanuddin Shaik, India

81. A Preventative Approach to Oral Health for Children in a Regional/Rural Community in Victoria, Australia (Kinder-Wide Smiles)

Michael Smith, Australia

82. Oral Health in Toddlers Attending a Postnatal Home Visiting Programme

Georgios Tsilingaridis, Sweden

83. Oral Health Survey on Early Childhood Caries in the Republic of Serbia: Feasibility Study

Ana Vukovic, Serbia

13:15-14:10

Early Childhood Caries Risk Assessment

Judges: Taku Fujiwara, Japan; Figen Seymen, Turkey

84. **Can Alteration of Cariogram Risk Categories Improve Caries Prediction in Preschool Children?**
Andreas Agouropoulos, Greece
85. **Association between Propylthiouracil (PROP) Taster Status and Problematic Eating Behaviour to Early Childhood Caries in Bangalore North**
Latha Anandakrishna, India
86. **Comparison of Assessment of Caries Lesions with Epidemiological ICDAS System and Ceod**
Cristina Castro, Chile
87. **Marginal Ridge Breakdown as a Predictor for Pulpal Involvement in Primary Molars**
Vanessa Cho, Australia
88. **Immunostimulatory Effect of Probiotics on Salivary IgA Levels in Children: A Quantitative Analysis**
Mousumi Goswami, India
89. **Development and Testing of a Caries Risk Assessment Tool 'CRAFT' for Indian Children**
Ashwin Jawdekar, India
90. **The Association of Birth Order with Later Caries Development in Young Children**
Annika Julihn, Sweden
91. **Reproducibility of Fluorescence-Based Cameras for Detection of Caries in Primary Teeth**
Daniela Kappert, Germany
92. **Validation of 3 Caries Risk Assessment Methods in Preschool Children from High Caries Risk Areas**
Katerina Kavvadia, Greece
93. **Detection of Streptococcus Mutans in Human Saliva and Plaque using Selective Media, PCR, and Monoclonal Antibodies**
Jae-Hwan Kim, South Korea
94. **Palmistry be the Predictor**
Chitrita Gupta Mukherjee, India

18:00-18:35

Identification and Occurrence of ECC (Part 2)

Judges: Jorge Luis Castillo, Peru; Anthony Tsai, Taiwan

95. **Effect of Birth Order on Experience of Early Childhood Caries and Consequence of Untreated Dental Caries in Children from Sub Urban Population in South India**
Parisa Norouzi, India
96. **Oral Hygiene and Feeding Practices and their Association with Early Childhood Caries in Kindergarten Children of Klang District, Selangor**
Habibah Said, Malaysia
97. **Prevalence and Risk Factors of Dental Caries in Infants and Toddlers in Belarus**
Natallia Shakavets, Belarus
98. **Molecular Identification of Salivary Metabolites in Children with Early Childhood Caries**
Neerja Singh, India
99. **Severity of Nursing Bottle Caries due to Nursing Bottle Habit in Indonesian Preschool Children**
Udijanto Tedjosongko, Indonesia
100. **Multicountry Study of ECC Prevalence and Severity using ICDAS in Children 1-5 Years in 11 Latin-American Countries**
Rita Villena, Peru
101. **Perinatal Factors Associated with Early Childhood Caries**
Juan F Yepes, USA

18:00-18:55

Impact of ECC on Oral Health Related to Quality of Life

Judges: Marcelo Bönecker, Brazil; Saul Paiva, Brazil

102. **Assessment of Consequences of Early Childhood Caries on the Body Mass Index and Oral Health Related Quality of Life in Children using the Pufa Index**
Nikita Dandekar, India
103. **Impact of ECC on Oral Health Related to Quality of Life, Comparison of Bite Force in Children with ECC before and after Oral Rehabilitation**
Shravani Deshpande, India
104. **Oral Health-Related Quality of Life and Caries Experience of Hong Kong Preschool Children**
Duangporn Duangthip, Hong Kong
105. **Correlation between Prevalence and Severity of ECC and Child Eating Behaviour, Feeding Practices and Risk Factors of Caregivers**
Swati Karkare, India

106. **Assessment of the Association of Caries Status and Risk Assessment with the OHRQoL in Three to Six Year-Old Children: A Cross-Sectional Study**
Amar Katre, India
107. **Development of New Tool for Early Childhood Oral Health Related Quality of Life for Indians**
Vijay Prakash Mathur, India
108. **Knowledge, Attitude and Perception of Pregnant Women about Early Childhood Caries in Tshwane District, South Africa**
Tshepiso Mfolo, South Africa
109. **Comparison of Oral Health Children's Affected by ECC Related Quality of Life Pre and Post Dental Treatment Under General Anesthesia using F-ECOHIS Questionnaire**
Seyed Pourhashemi, Iran
110. **Comparative Assessment of Oral Health Related Quality of Life of Children with ECC Before and After Full Mouth Rehabilitation under General Anaesthesia and Local Anaesthesia**
Jaai Rane, India
111. **Early Childhood Caries is a Progressive, Infectious Disease that is about more than just "Baby" Teeth**
Leonard Smith, Canada
112. **Case Report: Dentigerous Cyst in a Young Child**
Wan Mazidah Wan ABD Rahman, Malaysia