

The 2nd Alliance of Molar Incisor Hypomineralization (MIH) Investigation and Treatment (AMIT)

Updates & New Emerging Disciplines

13-16 November, 2024 | Berlin, Germany



Preliminary Program

As of 14 October 2024

Wednesday, 13 November 2024

- 07:30-17:30 Registration
- 08:45-17:30 Master Course on Dental Traumatology (2 Coffee Breaks and Light Lunch Included)
- 14:00-18:00 Hands-On Workshop by GC (Parallel to Master Course)
- 18:00-19:00 Welcome Reception (For all Paid Participants)

Thursday, 14 November 2024

- 08:00-18:00 Registration
- 08:30-10:30 OPENING SESSION
UPDATE: LOOKING BACK AND AHEAD
Chairs: Elias Berdouses, Monty Duggal, Roland Frankenberger, Norbert Kraemer, Tarun Walia**
- 08:30 Welcome Remarks
Report on AMIT 2022 & Synopsis of AMIT 2024
Norbert Kraemer, Germany & **Monty Duggal**, Qatar & **Roland Frankenberger**, Germany
- 09:00 Overview & Way Forward
Norbert Kraemer, Germany; **Monty Duggal**, Qatar; **Roland Frankenberger**, Germany;
Tarun Walia, UAE; **Elias Berdouses**, Greece/UAE
- 09:30 Keynote Lecture
All about MIH: Past, Present & Future
Nick A. Lygidakis, Greece
- 10:30-11:00 Coffee Break with Light Bites** **Exhibition Area**

11:00-12:45 FIRE FLASH IN BASIC SCIENCE
Chairs: David Manton, The Netherlands and Sivaprakash Rajasekharan, Belgium

11:00 Etiology of MIH using Zebra Mussels as a Mineralization Model
Christof Hoegg, Germany

11:20 Can MIH Enamel be Healed?
David Manton, The Netherlands

11:40 Biomonitoring & Metabolism Research
Thomas Goeen, Germany

12:00 MIH Extraction Therapy
Sivaprakash Rajasekharan, Belgium

12:20 Panel Discussion
Sivaprakash Rajasekharan, Belgium

12:40 Q&A
All Speakers

12:45-13:45 Lunch Break **Exhibition Area**

13:45-15:30 SPECIAL SESSION: MICRO INVASIVE PROCEDURES: IS DRILLING STILL NECESSARY?
Chairs: Muthu Murugan, India and Annette Wiegand, Germany

13:45 Whitening Procedures for MIH
Annette Wiegand, Germany

14:05 Masking of Fluorosis by Resin Infiltration
Kerstin Bitter, Germany

14:25 Masking of MIH Opacities by Resin Infiltration
Sebastian Paris, Germany

14:45 Enamel Hypoplasia and Caries in Primary Dentition
Muthu Murugan, India

15:05 Combination of Er: YAG Laser Therapy with Resin Infiltration using Icon : Case Presentation
Alix Gregory Sawaya de Castro, Brazil

15:20 Q & A

15:30-16:00 Coffee Break with Light Bites **Exhibition Area**

16:00 -17:00 INDUSTRY SYMPOSIUM Sponsored by Septodont

Hypomineralized Teeth: Treatment Options using Bioactive Dentine Substitutes
Katrin Bekes, Austria

Thursday, 14 November 2024 (cont.)

17:00-18:00 FREE COMMUNICATIONS (ABSTRACTS)

Chairs: Sebastian Paris, Germany and Uri Zilberman, Israel

- 17:00 Molar Incisor Hypomineralisation (MIH) Detection Using Photographic Scoring Among Dental Therapists In Malaysia
Sarah Wan-Lin Lim, Malaysia
- 17:10 Three Years Clinical Success of Glass Hybrid and Short Fiber Reinforced Composite on Molar Incisor Hypomineralization
Nur Kodaman Dokumacigil, Turkiye
- 17:20 Concentration of MMP20 and KLK4 during Enamel Development in MIH/SPMH Affected Teeth
Uri Zilberman, Israel
- 17:30 Unilateral Molar Incisor Hypomineralisation Alters the Masticatory Pattern and Stomatognathic System
Fabricio Kitazono de Carvalho, Brazil
- 17:40 Knowledge, and Attitudes of Turkish Dentists Towards Endodontic Treatment of Molar Incisor Hypomineralization (MIH): A Questionnaire Study
Burcu Yağmur, Turkiye
- 17:50 Dentists` Knowledge about Molars Incisors Hypomineralization (MIH) and Deciduous Molar Hypomineralization
Jomana Hassan, Israel

19:30-22:00 Casual Evening Experience (Optional)

Friday, 15 November 2024

08:00-18:00 Registration

08:30-10:30 ARTIFICIAL INTELLIGENCE AND ETHICS IN PAEDIATRIC DENTISTRY

Chairs: Aldo Ivan Guzman De Hoyos; Norbert Kraemer, Germany

08:30 New Diagnostics Leading to More Tailored Therapy
Falk Schwendicke, Germany

09:00 Artificial Intelligence for MIH Detection
Jan Kuehnisch, Germany

09:30 Ethical Principles in Dental Health Care
Richard Steffen, Switzerland

10:00 Q & A with ALL Speakers

10:30-11:00 Coffee Break with Light Bites

Exhibition Area

11:00-12:45 NEW TRENDS IN DENTISTRY: SOCIAL MEDIA, DIGITAL & TELEDENTISTRY

Chairs: Piero Altieri, Italy and Anne Heinz, Germany

11:00 LinkedIn, Instagram, Tik Tok & YouTube: Is this Worth the Hype?
Anne Heinz, Germany

11:30 Digital Diagnostics and Modern Imaging Technologies
Bernd Stadlinger, Switzerland

12:00 Paediatric Teledentistry: From Research to Practice
Thomas Wolf, Switzerland

12:30 Digital Practice: Yay or Nay?
Piero Altieri, Italy

12:45-13:45 Lunch Break

Exhibition Area

13:45-14:55 FREE COMMUNICATIONS (ABSTRACTS)

Chairs: Jan Kuehnisch, Germany; Norbert Kraemer, Germany, Tarun Walia, UAE

- 13:45 Hypersensitivity in Teeth with Molar-Incisor Hypomineralization (MIH) and its Relationship with Severity of Defects, Caries, and Restoration Status: A Preliminary Study
Elif Yaman Dosdoğru, Turkiye
- 13:55 Molar-Incisor Hypomineralization Impact on Dental Fear and Oral Health-Related Quality of Life in Swedish Children: A Multicentre Prospective Randomized Controlled Trial
Adnan Hajdarevic, Sweden
- 14:05 CAD/CAM Hybrid Composite Resin Overlays in the Treatment of 9-year-old Child with Molar-Incisor Hypomineralization: A Case Report
Alp Akça, Turkiye
- 14:15 Comparative Evaluation of SDF versus UBA in Reducing Dental Caries in Cariously Affected (ICDAS 1-4) MIH Permanent Molar Teeth: A Field Randomized Controlled Trial
Cheranjeevi Jayam, India
- 14:25 Correlation Between Molar-Incisor Hypomineralization, Stress and Family Functioning
Mesaf Brejawi, UAE
- 14:35 MIH Tooth Sealing and Protection: A New Engineered Solution
Filipe Silva, Portugal
- 14:45 Prevalence and Pattern of Presentation of Molar-Incisor Hypomineralization
Comfort Adekoya- Sofowora, Nigeria

14:55-15:15 Coffee Break with Light Bites

Exhibition Area

15:15-17:20 HOW CAN WE IMPROVE THE QOL FOR CHILDREN WITH MIH?

Chairs: Katrin Bekes, Austria and Helen Rodd, UK

- 15:15 How MIH and its Treatment can Influence OHRQoL
Katrin Bekes, Austria
- 15:35 Increase QoL for MIH Patients: New Therapy Approaches and New Diagnostic Tools
Richard Steffen, Switzerland
- 15:55 Minimally Invasive Aesthetic Treatment and Change in QoL
Helen Rodd, UK
- 16:15 Public Health Aspects of MIH and its Growing Impact on Children's QoL Oral Health
Tarun Walia, UAE
- 16:35 What do Dental Students Know and What is their Attitude Regarding MIH?
Elias Berdouses, Greece/UAE
- 16:55 A Family Approach to Hypomineralisation with the Technological Touch of the Twenties
Lubna Al-Muzian, UK
- 17:10 Q & A

17:20-18:30 RAPID POSTER PRESENTATIONS

Each poster will be presented as an oral presentation for 3 minutes

Saturday, 16 November 2024

08:00-14:00 Registration

08:30-09:30 RAPID POSTER PRESENTATIONS

Each poster will be presented as an oral presentation for 3 minutes

09:30-12:05 HOT TOPICS IN RESTORATIVE PAEDIATRIC DENTISTRY

Chairs: Jorge Casian, Mexico and Richard Steffen, Switzerland

09:30 New Trends in Adhesion
Bart Van Meerbeek, Belgium

09:50 Extractions in Molar Incisor Hypomineralization: The Most Difficult Decisions
Jorge Casian, Mexico

10:10 MIH: Pulpal and Restorative Challenges
Ola Al-Batayneh, UAE

10:30 Long Term Restoration
Gunilla Pousette-Lundgren, Sweden

10:50 Restoration: Direct vs. Indirect
Roland Frankenberger, Germany

11:10 Restoration Extension Affects Marginal Quality in MIH Molars: Part II
Roland Frankenberger, Germany

11:30 Deep Margin Elevation
Diana Wolff, Germany

11:50 Indirect and Semi Indirect Restorations for Severe MIH Affected Permanent Molar
Aldo Ivan Guzman De Hoyos, Mexico

12:05-12:30 Brunch Break

Exhibition Area

12:30-14:00 Closing Session: Interactive Session & Awards

12:30 Interactive: Symposium Quiz with a Twist

13:30 Awards for Best Papers

13:50 Closing of AMIT 2024

POSTER PRESENTATIONS

Friday, 15 November 2024

1. Shear Bond Strength (sbs) of Composite to Glass Ionomer Cement after Etching and Bonding
Aseel Abu Yones, Israel
2. Primary Molars with Enamel Defects in Cleft Lip and/or Palate Patients: A Multicentre Evaluation
Teslimat Ajeigbe, UK
3. The Prevalence of Molar Incisor Hypomineralization In Abu Dhabi City in UAE: A Cross-Sectional Study
Shaikha Alabdouli, UAE
4. Effectiveness of Icon Resin Infiltration for Developmental Enamel Defects and Molar-Incisor Hypomineralization (MIH)
Anna Babczyńska-Staszewska, Poland
5. Hypersensitivity Reduction with an SPR-G Light-Cured Varnish in a Hypomineralized Tooth: A Case Report
Oscar Bravo, Mexico
6. Caries Experience in Children with Molar–Incisor Hypomineralization in Fujairah, United Arab Emirates and its Association with Hypomineralized Teeth Number
Mesaf Brejawi, UAE
7. Demarcated, Hypomineralized Enamel Opacities Depend on Overexpressed Ameloblastin
Yong-Hee Chun, USA
8. Are Prenatal Exposures to Phthalates and Bisphenols Associated with Enamel Hypomineralization? A Prospective Cohort Study
Ester Cots Corominas, Spain
9. Are the Prevalence and Etiological Factors of Molar Incisor Hypomineralization Changing? A 10-Year Study in Catalonia
Ester Cots Corominas, Spain
10. Dissolution of MIH Affected Enamel
Felicity Crombie, Australia
11. Teeth with Molar Incisor Hypomineralization have Lower Pulp Oxygen Saturation Values
Fabricio Kitazono de Carvalho, Brazil
12. Impact of Molar Incisor Hypomineralization on Oral Health-Related Quality of Life in a Group of Turkish Children
Basak Durmus, Turkiye
13. The Difference in Failure-Rate of SSCs in Primary Dentition Based on the Indication Caries and HSPM
Marlies Elfrink, The Netherlands

14. Three-Year Follow-Up of Different Treatment Methods and Materials for MIH-Affected Molar Teeth in Children
Özge Erken Güngör, Turkiye
15. Prevalence of MIH and DMH, and its Relationship with Systemic Condition in Israeli Child
Shada Fadela, Israel
16. Use of Table-Top (Heres®) as a Guide for Post-Pulp Treatment Restoration in Partially Erupted Teeth with Molar-Incisor Hypomineralization (MIH): Case Report
Arelí Guadalupe Flores Carrillo, Mexico
17. Incisor Molar Hypomineralization and its Association with Complications in Twin Pregnancy: Case Report
Claudia Paola Galván Palacios, Mexico
18. Relationship between Deciduous Molar Hypomineralization and Molar-Incisor Hypomineralization
Alan García Chávez, Mexico
19. Indirect Restorations for the Management of Deciduous Molar Hypomineralization MDH using Digital Processes, a Conservative approach: Case Report
Dulce Mariana García de la Torre, Mexico
20. Therapy E (MIH-TNI) with Semi-Direct Composite of Hypomineralized Molars: Description of the Technique
Patricia Gatón Hernández, Spain
21. Multiscale Analysis of Ribbon-Like Disordered Zone in Hypomineralized Secondary Primary Molars (HSPM)
Máté Hegedűs, Hungary
22. Comparative Evaluation of SDF versus UBA in Reducing Dental Hypersensitivity in MIH-Affected Permanent Posterior Teeth: A Field Randomized Controlled Trial
Cheranjeevi Jayam, India
23. Immediate Effect of Glass Ionomer Application in Reducing Hypersensitivity in MIH-Molars in School Children
Ramiar Karim, Germany

Saturday, 16 November 2024

24. Do We Need to Improve Our Teaching of Dental Traumatology?
Rona Leith, Ireland
25. MIH-Prevalence and Mineralization
Avraham Maatuk, Israel
26. Prevalence of Hypomineralized Second Primary Molars (HSPM) and Molar Incisor Hypomineralization (MIH) in Children: A Pilot Survey Among Pediatric Dentists in Northern Italy
Alessandra Bordanzi, Italy

27. An Exploration of Transillumination Versus Reflected Light Techniques for Assessing Resin Infiltration in MIH Lesions: A Preliminary Clinical Investigation on Permanent Anterior Teeth
Omar Marouane, Tunisia
28. Molar-Incisor Hypomineralization and Hypomineralized Second Primary Molars: Comparative Study
Marta Martins Coelho, Portugal
29. Prevalence and Characteristics of Hypomineralized Second Primary Molars in a Sample of Irish 4-6-Year-Olds - Preliminary Findings from a Cross-Sectional Study
Daithi McGrory, Ireland
30. Insights Into the Impact of Dentine Hypersensitivity in Children with Molar Incisor Hypersensitivity
Joana Monteiro, UK
31. Maternal Prenatal Factors in the Etiology of Molar-Incisor Hypomineralization: Systematic Review
Ana Paula Norton, Portugal
32. Preliminary Evaluation of Molar Incisor Hypomineralization Frequency in Patients with Cleft Lip and Palate.
Esra Ok, Turkiye
33. Combination of a Newly Developed Calcium Booster and a Fluoride Silicon-Rich Toothpaste for Fast Relief of MIH-Hypersensitivity: A Promising Treatment
Marco Aurelio Paschoal, Brazil
34. Non-Invasive Aesthetic Improvement of Incisors Affected by Molar Incisor Hypomineralization
Maya Popova, USA
35. Molar Incisor Hypomineralization: Prevalence and Etiological Factors in Central Pennsylvania
Gayatri Malik, USA
36. Prevalence of Molar Incisor Hypomineralization in Mexican Schoolchildren
Maria Rivera, The Netherlands
37. Taurodontism and MIH: Is There Any Evidence for an Association Between These Two Dental Anomalies?
Helen Rodd, UK
38. Comparative Assessment of Interim Restorations using HVGIC in MIH Molars: Clinical, Radiographic, and Digital Evaluation
Nicholas Li Jie Thong, Malaysia
39. The Prevalence of Molar Incisor Hypomineralization in Hungarian Children Population
Noémi Rózsa, Hungary
40. The Prevalence of Pre-Eruptive Non-Carious Pathology in Children Living in Belarus
Natallia Shakavets, Belarus
41. Prevalence and Severity of Molar-Incisor Hypomineralization in the Masovian Region (Poland)
Sara Shamsa-Nieckula, Poland

42. Long-Term Maintenance of Teeth with a Severe form of Molar-Incisor Hypomineralization:
A Case Report
Sara Shamsa-Nieckula, Poland
43. Third Permanent Molar Distribution Patterns in Children With MIH: A Preliminary Exploration
Greig Taylor, UK
44. Indirect Overlay Restoration in Children with MIH with Digital Workflow: Two Case Reports
Ugur Tokay, Turkiye
45. 3.5-year Outcomes of Randomized Controlled Trial: Survival of Atraumatic Restorative Treatment (ART) Restorations with and without Silver Diamine Fluoride in Cavitated Molar Incisor Hypomineralization (MIH)
Tengku Nurfarhana Nadirah Tengku Hamzah, Malaysia
46. The Prevalence of Developmental Defects of Enamel in Patients Undergoing Renal Replacement Therapy
Alesia Zhylevich, Belarus
47. MIH/SPMH: Is it a Novel Developmental Phenomenon? Prevalence in the Archeological Site of Dor, Israel
Uri Zilberman, Israel