

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 21 June 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 of 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 and Sivaprakash Rajasekharan	
11:00	Etiology of MIH using Zebra Mussels as a Mineralization Model <u>Christof Hoegg</u> , Germany	
11:20	Can MIH Enamel be Healed? <u>David Manton</u> , The Netherlands	
11:40	Biomonitoring & Metabolism Research <u>Thomas Goeen</u> , Germany	
12:00	MIH Extraction Therapy <u>Sivaprakash Rajasekharan</u> , Belgium	
12:20	Panel Discussion <u>Sivaprakash Rajasekharan</u> , 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 and Annette Wiegand	
13:45	Whitening Procedures for MIH <u>Annette Wiegand</u> , Germany	
14:05	Masking of Fluorosis by Resin Infiltration <u>Kerstin Bitter</u> , Germany	
14:25	Masking of MIH Opacities by Resin Infiltration <u>Sebastian Paris</u> , Germany	
14:45	Enamel Hypoplasia and Caries in Primary Dentition <u>Muthu Murugan</u> , India	
15:05	Combination of Er: YAG Laser Therapy with Resin Infiltration using Icon : Case Presentation <u>Alix Gregory Sawaya de Castro</u> , 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	

Thursday, 14 November 2024 (cont.)

17:00-18:20 FREE COMMUNICATIONS (ABSTRACTS)

Chairs: Sebastian Paris and Uri Zilberman

- 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
- 18:00 Prevalence and Pattern of Presentation of Molar-Incisor Hypomineralization
Comfort Adekoya- Sofowora, Nigeria
- 18:10 MIH Tooth Sealing and Protection: A New Engineered Solution
Filipe Silva, Portugal

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

Friday, 15 November 2024

08:00-18:00 Registration

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

Chairs: Falk Schwendicke and Faleh Tamimi

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

09:00 Ethics and Regulations on the use of AI in Pediatric Dentistry
Faleh Tamimi, Qatar

09:30 Artificial Intelligence for MIH Detection
Jan Kuehnisch, Germany

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 and Anne Heinz

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

13:45-14:45 INDUSTRY SYMPOSIUM

14:45-15:55 FREE COMMUNICATIONS (ABSTRACTS)

Chairs: Jan Kuehnisch and Nour Wahba

- 14:45 Injection Molding Technique: A Minimally Invasive Management for Enamel Hypoplasia Affecting Permanent Anterior Teeth in Children a Randomized Clinical Trial
Nour Wahba, Egypt
- 14:55 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
- 15:05 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
- 15:15 Efficacy of a Novel Chitosan Hydrogel Delivered Biomimetic Self-Assembling Peptide (P11-4) for Remineralization of 'Hypomineralized Enamel Lesions' in Paediatric Patients: A Randomized Clinical Trial"
Abhilasha Agarwal, India
- 15:25 CAD/CAM Hybrid Composite Resin Overlays in the Treatment of 9-year-old Child with Molar-Incisor Hypomineralization: A Case Report
Alp Akça, Turkiye
- 15:35 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
- 15:45 Correlation Between Molar-Incisor Hypomineralization, Stress and Family Functioning
Mesaf Brejawi, UAE

15:55-16:15 Coffee Break with Light Bites

Exhibition Area

16:15-18:15 HOW CAN WE IMPROVE THE QOL FOR CHILDREN WITH MIH?

Chairs: Katrin Bekes and Helen Rodd

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

18:10 Q & A

18:15-19:15 RAPID POSTER PRESENTATIONS
Each poster will be presented as an oral presentation for 5 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 5 minutes

09:30-12:05 HOT TOPICS IN RESTORATIVE PAEDIATRIC DENTISTRY
Chairs: Jorge Casian and Richard Steffen

09:30 Deep Margin Elevation
Diana Wolff, Germany

09:50 New Trends in Adhesion
Bart Van Meerbeek, Belgium

10:10 Extractions in Molar Incisor Hypomineralization: The Most Difficult Decisions
Jorge Casian, Mexico

10:30 MIH: Pulpal and Restorative Challenges
Ola Al-Batayneh, Jordan/Dubai

10:50 Long Term Restoration
Gunilla Pousette-Lundgren, Sweden

11:10 Restoration: Direct vs. Indirect
Roland Frankenberger, Germany

11:30 Restoration Extension Affects Marginal Quality in MIH Molars: Part II
Roland Frankenberger, 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

1. Impact of Mouthguards on Prevention of Dentofacial Injuries and Sports Performance Among Athletes: An Umbrella Review of Systematic Review and Meta-Analysis Studies
Abhilasha Agarwal, India
2. Primary Molars with Enamel Defects in Cleft Lip and/or Palate Patients: A Multicentre Evaluation
Teslimat Ajeigbe, UK
3. Caries Experience in Children with Molar–Incisor Hypomineralization in Fujairah, United Arab Emirates and its Association with Hypomineralized Teeth Number
Mesaf Brejawi, UAE
4. Demarcated, Hypomineralized Enamel Opacities Depend on Overexpressed Ameloblastin
Yong-Hee Chun, USA
5. Are Prenatal Exposures to Phthalates and Bisphenols Associated with Enamel Hypomineralization? A Prospective Cohort Study
Ester Cots Corominas, Spain
6. Are the Prevalence and Etiological Factors of Molar Incisor Hypomineralization Changing? A 10-Year Study in Catalonia
Ester Cots Corominas, Spain
7. Dissolution of MIH Affected Enamel
Felicity Crombie, Australia
8. Teeth with Molar Incisor Hypomineralization have Lower Pulp Oxygen Saturation Values
Fabricio Kitazono de Carvalho, Brazil
9. Impact of Molar Incisor Hypomineralization on Oral Health-Related Quality of Life in a Group of Turkish Children
Basak Durmus, Turkiye
10. The Difference in Failure-Rate of SSCs in the Primary Dentition Based on the Indication Caries and HSPM
Marlies Elfrink, The Netherlands
11. Three-Year Follow-Up of Different Treatment Methods and Materials for MIH-Affected Molar Teeth in Children
Özge Erken Güngör, Turkiye
12. Multiscale Analysis of Ribbon-Like Disordered Zone in Hypomineralized Secondary Primary Molars (HSPM)
Máté Hegedús, Hungary
13. Comparative Evaluation of SDF versus UBA in Reducing Dental Hypersensitivity in MIH-Affected Permanent Posterior Teeth: A Field Randomized Controlled Trial
Cheranjeevi Jayam, India

14. Immediate Effect of Glass Ionomer Application in Reducing Hypersensitivity in MIH-Molars in School Children
Ramiar Karim, Germany
15. Do We Need to Improve Our Teaching of Dental Traumatology?
Rona Leith, Ireland
16. MIH-Prevalence and Mineralization
Avraham Maatuk, Israel
17. Prevalence of Hypomineralized Second Primary Molars (HSPM) and Molar Incisor Hypomineralization (MIH) in Children: A Pilot Survey Among Pediatric Dentists in Northern Italy
Alessandra Majorana, Italy
18. 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
19. Molar-Incisor Hypomineralization and Hypomineralized Second Primary Molars: Comparative Study
Marta Martins Coelho, Portugal
20. Shear Bond Strength (sbs) of Composite to Glass Ionomer Cement after Etching and Bonding
Aseel Abu Yones, Israel
21. Maternal Prenatal Factors in the Etiology of Molar-Incisor Hypomineralization: Systematic Review
Ana Paula Norton, Portugal
22. Assessment of the Frequency of Molar Incisor Hypomineralization in Cleft Lip and Palate Patients: Preliminary Results
Esra Ok, Turkiye
23. 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
24. Non-Invasive Aesthetic Improvement of Incisors Affected by Molar Incisor Hypomineralization
Maya Popova, USA
25. Molar Incisor Hypomineralization: Prevalence and Etiological Factors in Central Pennsylvania
Maya Popova, USA
26. Prevalence of Molar Incisor Hypomineralization in Mexican Schoolchildren
Maria Rivera, The Netherlands
27. Taurodontism and MIH: Is There Any Evidence for an Association Between These Two Dental Anomalies?
Helen Rodd, UK
28. The Prevalence of Pre-Eruptive Non-Carious Pathology in Children Living in Belarus
Natallia Shakavets, Belarus

29. Insights Into the Impact of Dentine Hypersensitivity in Children with Molar Incisor Hypersensitivity
Joana Monteiro, UK
30. Prevalence and Severity of Molar-Incisor Hypomineralization in the Masovian Region (Poland)
Sara Shamsa-Nieckula, Poland
31. Long-Term Maintenance of Teeth with a Severe form of Molar-Incisor Hypomineralization:
A Case Report
Sara Shamsa-Nieckula, Poland
32. Third Permanent Molar Distribution Patterns in Children With MIH: A Preliminary Exploration
Greig Taylor, UK
33. 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
34. The Prevalence of Developmental Defects of Enamel in Patients Undergoing Renal Replacement Therapy
Alesia Zhylevich, Belarus
35. MIH/SPMH: Is it a Novel Developmental Phenomenon? Prevalence in the Archeological Site of Dor, Israel
Uri Zilberman, Israel