

ERLANGEN
» 2024

31. JAHRESTAGUNG

Kinderzahnmedizin
im Wandel der Zeit



»WO: Heinrich-Lades-Halle
»WANN: 26.09. – 28.09.2024



Prof. Dr. Monty Duggal
Dean, College of Dental Medicine
Senior Consultant in Paediatric Dentistry, HMC

Biological Caries Management 1 and 2

Summary

These two complimentary talks will be aimed at highlighting an important shift in the trend for caries management in primary and young permanent molars. For several decades it was believed that due to early pulp involvement in primary molars with proximal caries, radical pulpal interventions such as pulpotomy, were required before the coronal restoration of the molars. However, a better understanding of pulp inflammation and pulp healing modalities have led to a change in treatment planning and the use of pulp therapy in management of primary molars with large proximal lesions has gradually reduced. The emphasis is on providing treatment modalities that allow inflamed pulp to heal. This requires amongst other factors, the provision of a good coronal seal. Minimal intervention in paediatric dentistry has gradually gained acceptance with clinicians and techniques such as the Hall Technique are now widely accepted. Several clinical trials have now shown that these minimally invasive contemporary approaches are as successful as the more radical conventional approaches. These two talks will explore the scientific rationale for minimal contemporary approaches and present techniques that would give predictable pulp healing and excellent long term outcomes.

Long term interdisciplinary management of severe dental injuries through Bone Management and Autotransplantation

Summary

This talk will be aimed at discussing the long term legacy of severe and complex trauma and how this can be managed through an interdisciplinary team approach. Severe trauma in a growing child has implications for alveolar bone, through ankyloses and tooth loss. Techniques to manage and maintain the quality and amount of bone in a growing child will be discussed. Restoring the child's smile and long term aesthetics through a comprehensive interdisciplinary approach and Autotransplantation will be discussed. The use of autotransplantation in young children has been refined over the years by the speaker and his team. Long term

results will be evaluated and the success of this technique will be demonstrated through complex cases where excellent long term biological outcomes have been secured for children, with restoration of their smiles and quality of life.

Curriculum Vitae

Prof Duggal obtained his dental degree and MDS in Paediatric Dentistry from India. He then immigrated to the United Kingdom and obtained his FDSRCS from the Royal College of Surgeons of England and his PhD from University of Leeds. He was appointed Professor and Chair of Child Dental Health at University of Leeds, Leeds Dental Institute in 1999 where he oversaw a large postgraduate programme in Paediatric Dentistry which has international acclaim. In January 2017 he was appointed as Professor and Head of Paediatric Dentistry in Faculty of Dentistry, National University of Singapore and then as the Vice Dean and Faculty Research Director of the National University Centre for Oral Health, Singapore (NUCOHS). In January 2021 he was invited to become the Inaugural Dean of the first College of Dental Medicine in Qatar, Qatar University. He has served in various senior positions, and was President of the European Academy of Paediatric Dentistry from 2014-2016 and has been on the board of EAPD for last 10 years. Professor Duggal has published over 200 research papers in international journals and is author of "Restorative Techniques in Paediatric Dentistry, which has been published in 7 languages and has sold over 16,000 copies worldwide. He is also a co-author of a textbook on Dental Traumatology and has Co-Edited "Paediatric Dentistry" by Oxford, now in its 5th edition and is the most widely followed textbook in Paediatric dentistry in the world. More recently he authored "Paediatric Dentistry at a Glance", published by Blackwell Willey. He has administered research grants totaling over seven million pounds and is an internationally recognised researcher and clinician with main research interest is Cariology and Translation Research in Clinical Paediatric Dentistry, including dental traumatology and regenerative endodontics and auto-transplantation. Apart from Paediatric Dentistry his main interest is playing and watching cricket and any time spare from work and family is devoted to this important activity