Dr. David Minjoon Kim

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Dr. David Kim received his dental degree (DDS) from the University of Maryland Dental School, and completed his periodontology training and Doctor of Medical Science (DMSc) in oral biology from the Harvard School of Dental Medicine. Currently, as an Associate Professor at the Harvard School of Dental Medicine, he serves as the Division Head of Periodontology, the Director of the Advanced Graduate Program in Periodontology and the Director of Continuing Professional Education. Dr. Kim is a past recipient of both Distinguished Junior and Senior Faculty awards from Harvard. In addition, he received Balint Orban Research Award, Award for Outstanding Teaching and Mentoring in Periodontics, and Teaching Fellowship from the American Academy of Periodontology. Dr. Kim's clinical and research interests have been on the use of innovative concepts, technologies and biomaterials to enhance intraoral soft and hard tissue formation, especially by incorporating the tissue engineering concept to repair and regenerate soft and hard tissue volume for patients requiring dental implants to replace missing teeth. He has published 114 manuscripts and 25 book chapters. He is a diplomat of the American Board of Periodontology and Implant Dentistry, and maintains a clinical practice in Boston, Massachusetts.

Revitalizing Hopeless Teeth and Implants: Treatment Changes and Improved Outcomes

Associate Professor／Division Head of Periodontology／Director, Postdoctoral Periodontology／Director, Continuing Professional Education／Department of Oral Medicine, Infection and Immunity／Harvard School of Dental Medicine

David Minjoon Kim

The introduction of treatment strategies for saving teeth and implants have changed the way we manage periodontal diseases and peri-implant diseases. As we age, the prevalence of periodontal diseases and peri-implant diseases may increase, and we need to find solutions to treat these diseases in order to maintain teeth and implants. The objective of this presentation is to present what we already know about these diseases, how we should treat these diseases as well as what to expect when we incorporate innovative treatment strategies such as the use of growth factors and dental lasers. Utilization of growth factor such as recombinant human platelet derived growth factor (rhPDGF-BB) allows us to predictably regenerate lost periodontium around teeth and hard tissue around ailing dental implants. Randomized controlled trials as well as case reports and case series that have been conducted by our research group demonstrate its efficacy and critical role in regeneration. Cases revealing its potency and efficacy in regeneration will be demonstrated so participants will understand indications and contraindications for this treatment modality. Dental laser also gives an opportunity for clinicians to offer a non-surgical treatment option to treat both periodontal diseases and peri-implant diseases. Access to deep pockets as well as dental implant surface suddenly become easier when we utilize dental laser. In addition, some of our patients might not be a candidate for any type of surgical interventions due to their physical and psychological health. These patients then require alternative treatment solutions to treat their diseases without compromising the outcome. There are different types of dental lasers that are indicated for soft tissue, hard tissue and both soft and hard tissues. Not all lasers function equally and we will have time to review different types of dental lasers. Throughout the presentation, both evidence-based and practice-based knowledge will be introduced so clinicians will be able to make the informed treatment decision that will both ideal and beneficial for patients. It will be important for participants to be open-minded about trying something that they are not experienced in it, but to critically assess what will be shown throughout the presentation so they can try something new and innovative.