

Dr. Ami Smidt

Title

Non-Surgical Augmentation with Orthodontic Extrusion for Implant Supported Single Crowns in the Aesthetic Zone- The Comprehensive Approach

Abstract:

When indicated, the bone topography in a target area may be re-arranged by orthodontic tooth movement and in some cases may eliminate or limit the need for a pre-prosthetic surgical procedure of any type. Based on the ideas and clinical experience with extrusion and its positive influence on bone and soft tissue architecture, this treatment modality was extended for implant site development. In such cases hopeless teeth are used to modify their local defect environment into normal extraction sites, thereby enhancing the predictability of subsequent implant placement at those healed sites. It is a non-surgical augmentation procedure with hardly any complications and high success rates. The aim of this presentation is to present the indications and principles of this procedure and to discuss its importance and superiority on surgical bone augmentation for implant placement. A prospective clinical study with long-term follow-up of orthodontic extrusions for implant placement will be presented.

Learning Objectives

1. Learn the inter-relations between orthodontics and periodontics in a comprehensive treatment plan
2. Learn the importance of considering hopeless teeth as mediators for regaining lost valuable hard and soft tissues towards a better and predictable treatment result
3. Learn the advantages of orthodontic extrusion for the creation an implant site versus a surgical procedure (guided bone regeneration) with bone substitutes with or without implant placement

Biography

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Professor Ami Smidt is Head, Center for Graduate Studies in Prosthodontics, Department of Prosthodontics at The Hebrew University-Hadassah, School of Dental Medicine, Jerusalem, Israel. He received his DMD degree from Jerusalem's Hebrew University in 1986 and his M.Sc. degree in Oral Microbiology in 1988. In 1990 he received his certificate in Prosthodontics and became a Diplomate of the Israeli Board of Prosthodontics and held teaching, research, and clinical positions at this University. His current research focuses on bleaching materials and their effect on tooth structure and on evaluating and improving prosthodontic procedures. Professor Smidt served as President and Editor of the Israel Society of Prosthodontics and is a member of the Board of Councilors of The International College of Prosthodontists. Prof. Smidt maintains a private practice dedicated to prosthodontics and esthetic dentistry in Tel Aviv, Israel.