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Aesthetics oriented orthodontic diagnosis and treatment mechanics

The major key to orthodontic treatment planning is to identify the direction and amount of dental movement required within each quadrant. Without sound objectives and proper planning, anchorage requirements could easily be overlooked. While cephalometric analyses are helpful in providing a rough estimate of skeletal and dental relationships, treatment goals need to be developed accordingly with the face. In this presentation, instead of using the mandibular incisor position as the primary criterion, the aim is to provide a facial aesthetics oriented treatment approach using the maxillary incisor position as the starting point while the mandibular arch still serves as the diagnostic arch. In this context, VTO is a critical tool for anchorage reinforcement together with the use of TADs and other conventional mechanics. This is possible by customizing the required amount of tooth movement in each arch quadrant and applying the appropriate anchorage strategy for the individual. In this presentation, clinical cases will be presented to facilitate the discussion of the key concepts of orthodontic excellence by sound mechanics and the use of temporary anchorage devices (TADs). Secondly, it is aimed to present the importance of strategic positioning of the maxillary central incisor in producing optimum aesthetics.

Biography

Sercan Akyalcin has completed his graduated from The University of Texas Health Science Center at Houston. Currently, he serves as the Director of the Advanced Education Program of Orthodontics at Tufts University School of Dental Medicine in Boston, Massachusetts. He has published more than 40 papers, six chapters and an Orthodontic Textbook, and has been serving on the Editorial Review Board of Prominent Orthodontic journals such as *Angle Orthodontists* and *American Journal of Orthodontics and Dentofacial Orthopedics*.

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