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## Evaluation of smile aesthetics in different face types

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Before the treatments applied in today's modern dentistry and especially in the field of orthodontics, not only dental structures but also facial soft tissues are evaluated, and facial soft tissue aesthetics can be changed as a result of the treatments applied (1). Although patients come mainly to improve their smiles, there are more studies on skeletal structure than soft tissue structure in the orthodontic literature, and smiling is mentioned less frequently (2).

Providing an ideal dental or skeletal relationship in the mouth does not guarantee that smile aesthetics will also be provided. Although intraoral structures are effective in smile aesthetics, the importance of extraoral soft tissue cannot be ignored. Significant changes occur in facial structures during smiling (3). Smile should be evaluated by examining the area surrounded by the upper lip, lower lip and lateral commissures, and anatomical structures such as teeth, gingiva, alveolar base and periodontal tissue in this area (4).

Two-dimensional and three-dimensional recording methods were used while making smile evaluations. Today, three-dimensional imaging methods (stereophotogrammetry) have begun to replace traditional two-dimensional diagnostic methods (photography, video recordings) (5). Studies have observed differences in smiling between groups and genders. Considering these differences, the evaluation of orthodontic treatments will help achieve ideal treatment goals (6, 7).

### Recent Publications

1. Peck, S., Peck, L. (1995). Selected aspects of the art and science of facial esthetics. Seminars in orthodontics: Elsevier, 1, 105-26.
2. Sabri R. The eight components of a balanced smile. J Clin Orthod 2005, 39(3): 155-67.
3. Rigsbee OH, Sperry TP, BeGole EA. The influence of facial animation on smile characteristics. Int J Adult Orthodon Orthognath Surg 1998; 3: 233-239.

### Biography

Ozkan Buyuk graduated from Faculty of Dentistry, Gazi University in 2006. In his undergraduate education, he also studied at Cardiff University within Erasmus Student Exchange Program. After graduation, he started his postgraduate education at Gazi University, Institute of Health Sciences, Oral Pathology Program. In 2013, he did internship and studies on molecular biology at the Department of Pathology, Faculty of Medicine, Cologne University. Between 2014-2019, he worked as a lecturer at Nisantasi University Dental Prosthesis Technology Program. He also got enrolled in undergraduate education in Anadolu University Open Education, Healthcare Management Program in 2017. In 2019, he started his doctorate education at Izmir Katip Celebi University, Institute of Health Sciences, Department of Orthodontics. In 2020, he was appointed to the Oral and Dental Health Program of Izmir Katip Celebi University Vocational School of Health Services. He continues his clinical and academic studies in orthodontics and lectures at associate degree level.

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