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Multidisciplinary approach of tooth size discrepancies

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Introduction: The optimal arrangement of maxillary and mandibular teeth is a subject of great concern to dentists and their patients. In addition to tooth size, shape, inclination, torque and alignment, how teeth fit and function together is defined as a disproportion among the sizes of individual teeth. In order to achieve a good occlusion with the correct over bite and over jet, the maxillary and mandibular teeth must be proportional in size.

Methodology: A review of the literature was conducted using the PubMed and EBSCO databases. Literature was screened using the key words like tooth size discrepancy, bolton ratio and orthodontic.

Conclusion: Bolton ratio is the missing link between orthodontics and aesthetic dentistry. Variation in the size and shape of teeth are predominantly and genetically determined. Environmental factors may have an effect on tooth development. Anomaly in the size of the upper lateral incisors is the most common cause of the TSD but variation in premolars or other teeth may be present. The challenge is to use all the parameters available by the different specialties of dentistry and apply these concepts in each treated case. It is not a single detail that defines excellence but it is the sum of many.



Biography

Yahya Jaber AlShahrani is a Registrar Orthodontist. He is holding a Master Degree in Dental Sciences (MSc) and Senior Resident in the Saudi board for orthodontic and maxillofacial orthopedic. He is a Speaker and Presenter in multiple national and international conferences inside and outside Saudi Arabia. He is a member in multiple international societies and active member in the Saudi Dental Society and active member and one of the founding members of the Saudi Orthodontic Society.

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