

Tooth-Size Discrepancy: Clinical Judgment and Implications

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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 overbite and overjet, 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 “Tooth-size Discrepancy”, “bolton ratio” and “orthodontic”.

Conclusion: Variation in the size and shape of teeth are predominantly genetically determined. Environmental factors may have an effect on tooth development. A 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 challenges are 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 the sum of many of them.

Biography:

Yahya Jaber Al Shahrani is BDS, MSc, Ortho Cert. Saudi Board of orthodontic Resident.