The use of tads (temporary anchorage devices) in lingual orthodontics

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In recent years, there has been a dramatic increase in the number of adults receiving comprehensive orthodontic treatment. In clinical practice, management of adults may be somewhat different than for most adolescents. Adults are more likely than adolescents to have dentitions that have undergone some degree of mutilation over time, which may necessitate alterations in the treatment strategy. Excessive wear, missing and compromised teeth are some of the differences observed. For adult patients who have experienced bone and attachment loss as a consequence of periodontal disease, new biomechanical options and temporary bone anchorage devices can be employed for producing the tooth movements desired during the orthodontic therapy. In this presentation, current clinical application of Temporary Anchorage Devices (TADs) in Lingual orthodontics will be presented, with emphasis on clinical orthodontic management of severely mutilated dentitions. After an introduction and biological background on different types of TADs, the Author will describe the use of miniscrews for lingual orthodontic patients, the best anatomical sites depending on the desired biomechanical planning. Various clinical examples will be shown to describe the step by step procedure for insertion and loading. Lingual Orthodontics nowadays can surely benefit from TADs for reinforcing the anchorage, especially in adults with compromised dentitions and periodontium.

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