



The Effect of TADs (mini-implants) on orthodontic science

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Abstract:

Mini-implants have influenced orthodontic treatment plans by providing possible management of complicated discrepancies than those treatable by conventional bio-mechanics. By the help of mini-implants, force can be applied directly to the bone-borne anchor unit. Therefore, mini-implants not only eliminated concerns about anchorage demanding cases, but they also have enabled clinicians to overcome tooth movement in three dimensions. Furthermore, adjunctive orthodontic treatments in adults, and treatment for impacted teeth are the other indication of mini-implant treatment. Mini - implants were grouped as follow: (a) common appliances for providing orthodontic anchorage, (b) bio-mechanical details of mini-implants and their insertion, (c) clinical application of mini-implants for orthognathic treatments, (d) limitations and possible complications. In conclusion, mini-implant evolved the orthodontic treatment plans and compromised the required orthognathic surgery. Malocclusion treatment and pure orthodontic orthopedic movements in the three-dimensions have become recently possible by using mini-implant to provide skeletal anchorage.



Biography:

Omar El Bayoumy is the Founder of International Orthodontic Academy. He has completed his BDS from Mansoura University, Egypt, MSc in Orthodontics from Donau University, Austria and PhD in Orthodontics from Pennsylvania University, USA. He is a member of International Board of Orthodontics and Implantology, Taiwan and European Orthodontic Society.

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