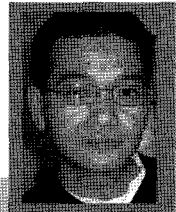


심포지엄 6

Symposium 6

11월 5일(土) 13:50-14:20 / ICC 5F Tamna Hall A

The ABC of Mini-Implants: Surgical Placements and Biomechanics



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Although the mini-implants have been used widely in orthodontics as the temporary anchorage device and their current status has recently been reported in JCO, there still has no thorough guide. Based on our experiences in more than 300 patients and the studies that we had conducted, we have established guides to the mini-implants insertion techniques and biomechanics for the full case treatment in adult patients.

The guides to the surgical insertion include the insertion of mini-implants in the posterior interdental areas (tooth-bearing areas), infrazygomatic crests of maxilla, and the mandibular oblique ridges (non-tooth bearing areas). The posterior interdental areas are only indicated in the cases when the buccal teeth are not to be moved mesiodistally, while the infrazygomatic crests and the mandibular oblique ridges are universal insertion sites no matter the buccal teeth would be moved or not.

The biomechanics are classified into extraction and non-extraction mechanics for either deep or open bite cases. For the extraction mechanics, they are the en masse retraction or retraction-and-intrusion of the anterior teeth, en masse retraction or retraction-and-intrusion of the anterior teeth and intrusion of the posterior teeth, en masse retraction or retraction-and-intrusion of the anterior teeth and intrusion-and-distalization of the posterior teeth. For the non-extraction mechanics, they are en masse distalization of the entire dentition with/without intrusion of the anterior teeth, en masse distalization of the entire dentition with intrusion of the posterior teeth, and en masse intrusion-and-distalization of the entire dentition.

In this presentation, these guides and the devices will be demonstrated step by step by using models, clinical tips, studies, and case reports.