

Presurgical Orthodontic Preparation for Alveolar Bone Grafting

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The main objective of presurgical orthodontics preparation for alveolar bone graft is to create a better access in order to place bone graft and to have better soft tissue closure. Pregraft orthodontics includes correction of severely misaligned central incisors, reduction of discrepancies between alveolar cleft segments and the alveolar cleft width before grafting and normalization of maxillary arch form. Pregraft orthodontics is not only critical to a successful alveolar grafting but also helps establish early esthetics and to improve oral hygiene of patients.

This presentation will address the following topics: (1) indications of pregraft orthodontics in Chang Gung Memorial Hospital (2) considerations for pregraft orthodontics (3) the most up-to-date literature review regarding the role of pregraft orthodontics in the success of alveolar bone graft.