

D.-S. SOHN[®], H.-G. Kim,

Are bone graft and barrier membrane an essential condition for bone reformation in the maxillary sinus elevation? Journal de Parodontologie et d'Implantologie Orale, Vol 1, February 2016

ABSTRACT: Autogenous bone graft or bone substitutes and artificial barrier membrane are considered as a prerequisite for performing conventional sinus augmentation. However bone added sinus augmentation has risk of postoperative infection, cross-contamination from human or animal origin bone and increased patient's morbidity from harvesting of autogenous bone unlike sinus augmentation without bone graft.

Numerous animal and human studies reveal significantly higher new bone formation in the sinus when bone graft is not used, compared to bone added sinus augmentation. In addition, as an alternative to the artificial barrier membrane, the osteoinductive replaceable bony window showed more mature and faster vital bone regeneration along the floor of the replaceable bony window in some studies. Sinus augmentation without bone graft and the use of osteoinductive replaceable bony window could be a better sinus augmentation modality than bone added sinus augmentation using artificial barrier membrane.

Dong-Seok SOHN[®]

PH, chirurgien-dentiste

Service dentaire et de chirurgie orale et maxillo-faciale

Université catholique de Daegu (République de Corée)