

# Clinical and biological analysis in graftless maxillary sinus lift

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Maxillary sinus lift for dental implant installation is a well-known and versatile technique; new techniques are presented based on the physiology of intrasinus bone repair. The aim of this review was to determine the status of graftless maxillary sinus lift and analyze its foundations and results. A search was conducted of the literature between 1995 and 2015 in the Medline, ScienceDirect, and SciELO databases using the keywords "maxillary sinus lift," "blood clot," "graftless maxillary sinus augmentation," and "dental implant placement." Ten articles were selected for our analysis of this technique and its results. Despite the limited information, cases that were followed for at least six months and up to four years had a 90% success rate. Published techniques included a lateral window, elevation of the sinus membrane, drilling and dental implant installation, descent of the membrane with variations in the installation of the lateral wall access and suturing. The physiology behind this new bone formation response and the results of the present research were also discussed. We concluded that this is a promising and viable technique under certain inclusion criteria. © 2017 The Korean Association of Oral and Maxillofacial Surgeons. All rights reserved.

Blood clotting

Maxillary sinus

Sinus floor augmentation