

Minimal Invasive Trephine Technique for Lateral Sinus Augmentation

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Sinus augmentation surgery has been considered predictable bone augmentation. Implant survival rate at site of sinus augmentation is similar to native bone. However, traditional lateral window approach has been thought a traumatic surgery. The reasons for that are extensive flap design, wide window access, large membrane coverage, big sinus curette design. We started to use custom-modified sinus curette since 1999. The curette design is to have 3-4mm width and better anterior edge curvature for small access and good touch for sinus inner wall. Also, with 6-7mm diameter trephine bur, small window opening and less extensive flap design could be reached. Under microscopic magnification, surgical procedure for trephine drilling is easy to examine. My presentation will present this minimal invasive trephine technique with clinical cases and

surgical video.

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