

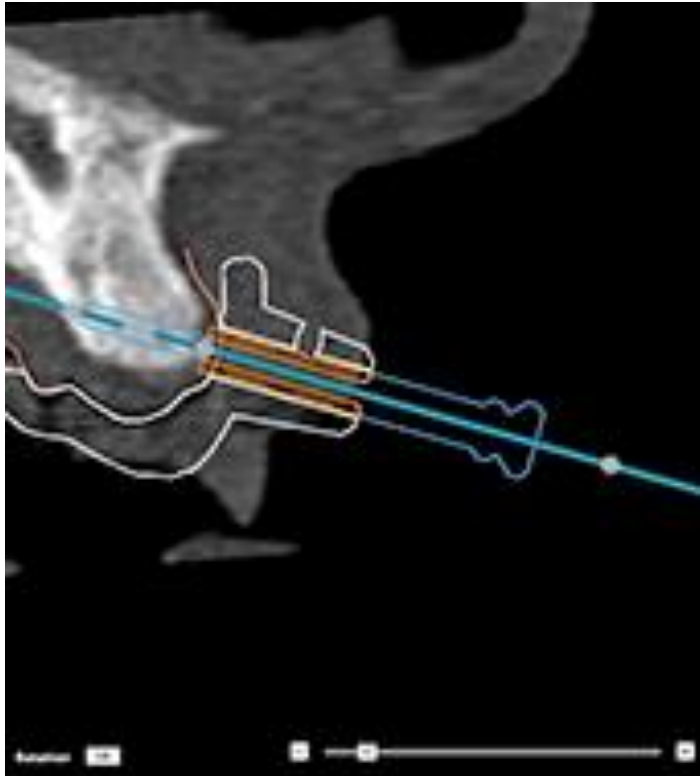
# Dental implant Surgical guide



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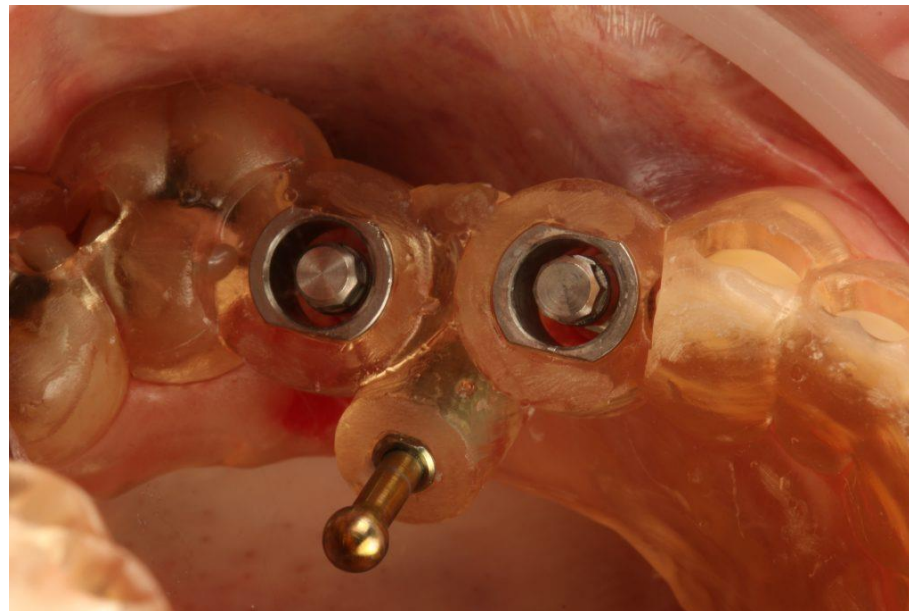
## Selection of retentive anchor pins

- ❖ Different types of surgical guides require diverse considerations for stabilizing the guide.
- ❖ An important rule is “If the guide itself is not stable, then the whole implant procedure goes haywire.”
- ❖ Considerations should be decided regarding the type of surgical guide, implant number, position of the edentulous site, presence of any anatomical limitations (maxillary sinus, mandibular nerve), and length of fixation screws.
- ❖ Ideally, the fixation screws should be positioned vertically because vertical position stabilizes the guide the most and also they have the added advantage of easier accessibility for placement.



## Considerations for deciding retentive anchors for tooth-supported guides

- ❑ If an edentulous site is bound by teeth bilaterally, the fixation anchor is positioned in the middle of the edentulous site.
- ❑ If distal edentulous site: Fixation anchors are positioned as distally as possible in the arch, not necessarily adjacent to the distal edentulous site.



## Considerations for deciding retentive anchors for mucosa supported guides

- ❑ At least three in number. Two anchors are positioned at distal ends, and one anchor is positioned in the center of the edentulous arch.
- ❑ The distal areas or posterior areas usually contain important structures such as maxillary sinus, and mandibular nerves. In such conditions, we have to take these structures into consideration and plan more distally as possible.



# Considerations for deciding retentive anchors for bone supported guides

- Two fixation anchors are enough to rigidly fix the guide to the bone.
- One on the right side and other to the left. In the undercut area, tilting off or lifting off of the guide can occur on tightening the screw.

Bone supported Surgical guide & Reduction Guide

