

MGUIDE Tips and Tricks: Tooth-Born Guides

CT scan:

- 1) Ensure that you are using a CT scanner that does not stitch the image (a stitched image is one with more than one image combined to form a whole)
- 2) The thickness of each CT slice should not exceed 0.2 mm for mandibular cases and 0.3 mm for maxillary cases
- 3) Ensure that the patient keeps an open bite (there should be no contact between upper and lower teeth)
- 4) The patient's tongue must not rest on the gums of the arch being scanned
 - Maxillary Cases: Tongue must rest on the floor of the mouth
 - Mandibular Cases: Tongue must rest up and back against the posterior vibrating line of the mouth
- 5) Make sure the entire arch is visible, including the incisal edges of all teeth on that arch
 - Maxillary Cases: The scan must show the entire arch and at least 50% of the sinuses
 - Mandibular Cases: The scan must show the entire arch and the mandibular nerve
- 6) Remove any type of partial denture (flipper) if the patient is wearing one

Impressions:

- 1) Do not use Alginate impression material
- 2) Vinyl Polysiloxane or similar materials are recommended.
- 3) Take the impression of the entire arch. Bite registration and opposite arch impression are recommended but not mandatory.
- 4) Do not pour the impressions, send them to the MCENTER and they will be poured there.
- 5) Digital impressions are accepted. Call the **MCENTER** for details 844-220-3458



Left: Complete scan of a lower arch with an open bite. Middle: Complete scan of an upper arch with an open bite. Right: Tooth Born surgical guide on an upper arch.