

FULLY EDENTULOUS CBCT SCAN OF MAXILLA AND MANDIBLE ARCH: Dual Scan Protocol

1. On a dry, hard-relined, well-fitting denture, place 6-8 x-ray markers:

- i** - Place 3-4 markers on the facial/buccal surface and an additional 3-4 markers on the palatal surface.
- Place the markers on varying axial planes.
- Example: if you place a marker on the buccal area of #2-3, then place your next marker on the lingual area of #4-5, the next marker on the facial area of #8-9, and so on.

*** Please do not place markers on the intaglio surface. ***



2. Pre-Scan Patient Instructions

- i** - Confirm fit by asking the patient: "Is the denture fitting correctly?"
- Use a bite registration for separation, secure fit, and to eliminate rocking.
- Breathe through your nose, close your eyes and place tongue at the back of the mouth.

3. First Scan: Capture CBCT of ONLY the maxilla denture with x-ray markers.

- i** - Position the appliance on a foam block.
- Orientate teeth occlusal DOWN.
- **CBCT General Settings:** Maxl 6cm, 20 Sec. scan duration, 0.4 Voxel

4. Second Scan: Capture CBCT of ONLY the mandible denture with x-ray markers.

- i** - Position the appliance on a foam block.
- Orientate teeth occlusal UP.
- **CBCT General Settings:** Mand 6cm, 20 Sec. scan duration, 0.4 Voxel

5. Third Scan: Capture CBCT of the patient WEARING maxilla AND mandible denture with x-ray markers.

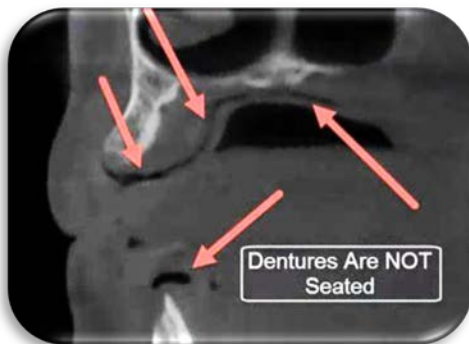
i Vital anatomy to be captured:

- Sinus (Below Orbit)
- Both the left and right TMJ
- Chin and entire mandible
- **CBCT General Settings:** Full 13cm, 20 Sec. scan duration, 0.4 Voxel

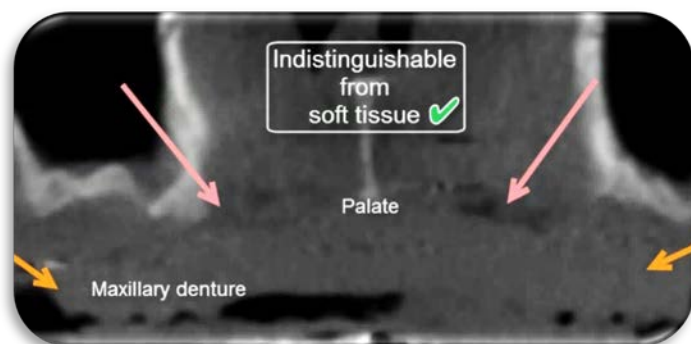
6. When scanning a patient following Dual Scan Protocol:

- i** - Review the scan to ensure there is no “Black Air Space” between the denture and soft tissue of the patient.

REJECTED SCAN



ACCEPTED SCAN



7. Export and Upload

- i** - Export all three scans individually, in a multi-file DICOM format to the desktop. Zip / compress the individual folders (CBCT #1, CBCT #2, and CBCT #3)
- Upload the three zipped / compressed folders to your Implant Concierge case!

More information on exporting DICOM files from your specific CBCT machine can be found at:
www.implantconcierge.com/support