

## FULLY EDENTULOUS CBCT SCAN: DUAL SCAN PROTOCOL OF MAXILLA ARCH

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

- i** - Place 3 markers on the facial/buccal surface and an additional 3 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** - Use a bite registration for separation, secure fit, and to eliminate rocking
- Confirm fit by asking the patient: "Is the denture fitting correctly?"
- 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 the x-ray markers

- i** - Position the appliance on a foam block
- Orientate teeth occlusal DOWN
- **CBCT General Settings:** MaxI 6cm-8cm, 0.3-0.4 Voxel

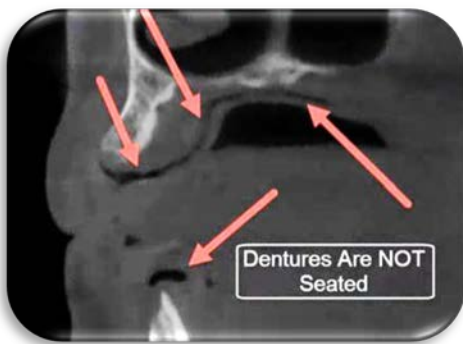
#### 4. Second Scan: Capture CBCT of the patient WEARING maxilla denture with x-ray markers

- i** Vital anatomy to be captured:
- Superior: Mid sinus / below orbit
  - Inferior: Capture 1-3 mm of mandible dentition
  - **CBCT General Settings:** 6cm-8cm, 0.3-0.4 Voxel

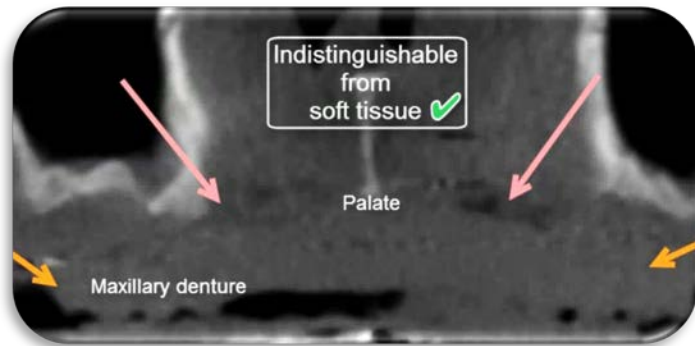
#### 5. When scanning a patient following Dual Scan Protocol:

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

**REJECTED SCAN** ❌



**ACCEPTED SCAN** ✅



#### 6. Export and Upload CBCT Scans to Implant Concierge

- i** - Export both CBCT scans individually, in a multi-file DICOM format to the desktop
- Right click on each folder, go to “Send To”, and select “Compressed (Zipped) Folder”
  - Upload both zip / compressed folders to Implant Concierge

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