

## FULLY EDENTULOUS CBCT SCAN: DUAL SCAN PROTOCOL OF MANDIBLE 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 lingual surface
- Place the markers on varying axial planes
- **Example:** if you place a marker on the buccal area of #28-29, then place your next marker on the lingual area of #27-26, the next marker on the facial area of #24-25, and so on

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



### 2. Pre-Scan Patient Instructions

- i** - Use a bite registration for separation, to secure fit, and 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 mandible denture with the x-ray markers

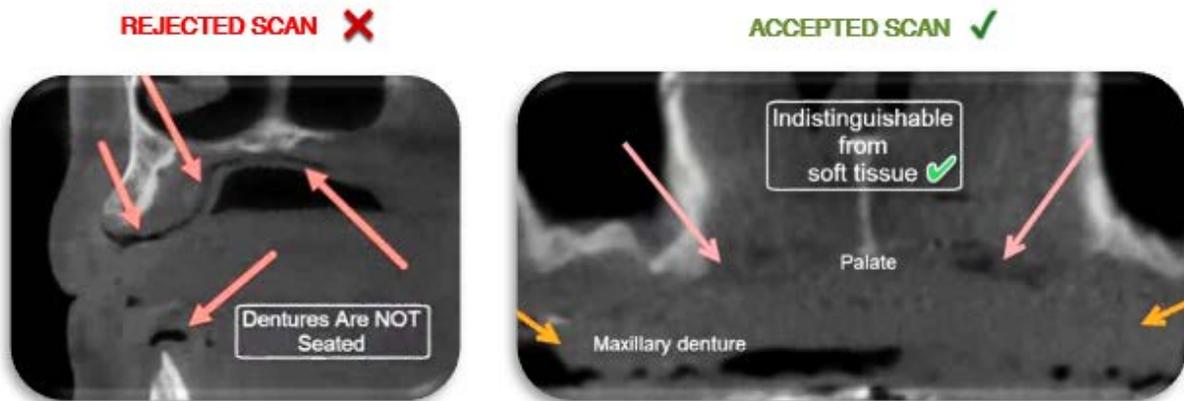
- i** - Position the denture on a foam block
- Orientate teeth occlusal UP
- **CBCT General Settings:** Mand 6cm-8cm, 0.3-0.4 Voxel

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

- i** - Superior: Capture 1-3 mm of maxilla dentition
- Inferior: Capture mandible with slight clearance below chin
- **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



#### 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)