

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

The “Alternative Dual Scan Protocol” is recommended if you are using the Sirona CBCT unit for fully edentulous cases, or the patient’s denture has metal sub-structures. Using this technique, a duplicate clear denture will be required.

### 1. Duplicate the patient’s hard-relined, well-fitting denture with clear acrylic. On the duplicated, 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/lingual surface
- Scatter 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, to 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. Capture CBCT of the patient WEARING the denture with radiographic markers.

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

### 4. When scanning a patient following Alternate 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



### 5. Export and Upload CBCT Scan

- i** - Export the CBCT scan in a multi-file DICOM format to your desktop
- Right click on the folder, go to “Send To”, and select “Compressed (Zipped) Folder”
  - Upload the zipped / compressed folder to Implant Concierge Case

### 6. Ship the duplicate denture with the radiographic markers STILL ATTACHED, to Implant Concierge.

- i** - For more information on exporting DICOM and printing a shipping label, please visit:

[www.implantconcierge.com/support](http://www.implantconcierge.com/support)

(866) 977-2228

[www.implantconcierge.com](http://www.implantconcierge.com)

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