

Edentulous Cases | Radiographic Guide Protocol

RADIOGRAPHIC GUIDES

PLEASE FOLLOW THE CHECKLIST BELOW TO MAKE SURE THE RADIOGRAPHIC DENTURE WILL WORK PROPERLY FOR THE SCAN.

DENTURE REQUIREMENTS

- ☐ NO metal or radiopaque material
- ☐ Excellent fit to soft tissue and patient cast
- ☐ Hard reline all acrylic - no soft reline or denture adhesive
- ☐ Radiographic markers
 - ☐ Order IMM BB Stickers
 - ☐ Minimum 6 markers
 - ☐ 1mm, not larger

**NO SOFT RELINE!!
(SQUISHY INSIDE)**



FABRICATE BITE SUPPORT FOR USE DURING CBCT SCAN

- ☐ Ensure no overlap of incisal or posterior occlusion
- ☐ Use stiff, **radiolucent bite** support material
- ☐ Cover complete arch
- ☐ If teeth are missing in opposing arch, fill edentulous space with index material to make contact with alveolar ridge
- ☐ Trim extra material on the lingual side to avoid marker displacement when the patient bites into it. Buccal tooth surface should be exposed



IMAGING INSTRUCTIONS

1 PLACE MARKERS ON DENTURE

- ☐ Thoroughly dry denture so bb stickers do not slip or move between scans
- ☐ Do not place markers on biting surface or intaglio
- ☐ Place markers away from crowns or implants. Markers may be placed on the buccal or anterior when metal crowns or implants are present in the normal placement area. Additional markers may be placed when metal crowns are present to ensure we can find at least 5 markers



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2 SCAN DENTURE

- ☐ Never perform the DENTURE SCAN with the bite support attached to the denture
- ☐ Do not scan directly on platform. Scan denture(s) on a styrofoam block or sheet
- ☐ Dentures cannot be touching each other (in occlusion). Take separate denture scans if you do not have the holder pictured.
- ☐ Scan dentures in correct orientation (as they would be in the patient's mouth)
If your CBCT has a denture scan setting, use that scan setting

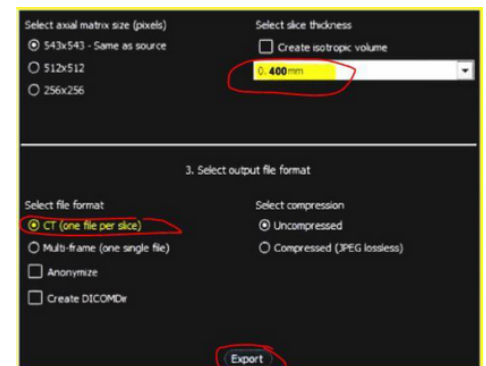
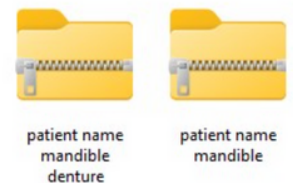


3 SCAN PATIENT WEARING MARKED DENTURE(S)

- ☐ Do not allow markers to be moved between denture and patient scan
- ☐ Use the bite support when you scan the patient with the denture

DICOM CREATION AND DELIVERY

- ☐ For each scan study, crop scan to area of interest (*exclude platform on denture scan*)
- ☐ Export scan as DICOM
 - ☐ Select the option CT (*one file per slice*)
 - ☐ You should have hundreds of .dcm files contained inside a folder
 - ☐ Choose .300 or 400 mm slice thickness
 - ☐ For each DICOM export, rename the folder before exporting to the ne
 - ☐ Each folder should be named so we know what it is (*see example image*)
- ☐ Zip the folders (right click, send to compressed (zipped) folder)
- ☐ Attach the zipped folders to the Upload link



[Click Here for Upload Page](#)



If you have any questions, please contact our Sara Tarazi - Chief Technologist

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