

Scanning Protocol Checklist



Please review the scanning checklist prior to initiating the scan



PATIENT POSITIONING

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|---|---|
| <input type="checkbox"/> Stabilize Patient's Body (if needed)
Seated scans can help prevent patient movement. Examples: low back chairs and stools. Foot stools are also helpful | <input type="checkbox"/> Teeth Position/Bite
Habitual Bite (Intercuspal Position) should be used unless otherwise specified by the treating clinician |
| <input type="checkbox"/> Head Stabilization
Headbands or occipital braces help prevent patient movement | <input type="checkbox"/> Swallowing
Instruct the patient to swallow just prior to the scan. Ensure they have completed swallowing prior to initiating the scan. |
| <input type="checkbox"/> Chin Cups/Chin Platforms
Can be used if gently rested upon BUT avoid soft tissue compression.
Occlusal plane should be parallel to the floor.
Do not use bite sticks | <input type="checkbox"/> Inform Patient:
Explain the machine motion/rotation(s).
Inform them of the length of the scan.
Emphasize the importance of holding still.
Instruct to breathe normally through the nose
OR if utilizing a SHORT can time & the patient is able, hold breath. (Avoid excessively deep breaths). |
| <input type="checkbox"/> Head & Neck Position
Positioning should be natural for both the head and neck.
Eyes looking straight ahead. | <input type="checkbox"/> Remove ALL metallic objects
Glasses, necklaces, ALL metallic piercings, partials, hearing aids (after procedures have been explained) |



MACHINE SETTINGS

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|--|---|
| <input type="checkbox"/> Field of View (FOV)
Select a LARGE FOV.
Selections are based on machine capability.
Typically, 13-15+cm in height
(Scan purpose: Airway/TMJ/Orthognathic Surgery) | <input type="checkbox"/> Scan Time
Scan times vary depending on machine. Typical scan times range from 9-40 seconds. Select a scan time with a Frame Per Second rate that will result in a scan averaging 300-600 frames/slices & allows you to use the appropriate FOV and voxel settings.
More frames = more information acquired. |
| <input type="checkbox"/> FOV Coverage
<u>Superior</u> – at least above nasion
<u>Inferior</u> – at least inferior to mandible preferably below the hyoid.
<u>Anterior</u> – through the tip of the nose (soft tissue)
<u>Posterior</u> – Cervical Spine (as much as possible) | <input type="checkbox"/> Voxel Selection
0.2-0.3 voxels (mm)
**DO NOT exceed 0.3 voxels (0.4-0.6mm) as this results in poor image/spatial resolution & decreases visibility of osseous structures and pathology |