

CT Scan Protocol Summary

Patient Position	<ul style="list-style-type: none"> • Head First Supine (HFS) or Feet First Supine (FFS) • Arms resting alongside body • Patient must not move during acquisition
Table Position	<ul style="list-style-type: none"> • Do not move table between slices • Do not alter X and Y centering between slices
Field of View (FOV)	<ul style="list-style-type: none"> • Use a 250 mm FOV or smallest to include entire scapula and 1/2 humerus • Limit FOV to operative shoulder
Slice Thickness and Spacing	<ul style="list-style-type: none"> • Slice thickness: 1mm x 1mm or less, constant throughout acquisition • Scan spacing: 1mm or less (equal to slice thickness) • Slices should be contiguous with no overlap
Post-Processing Parameters	<ul style="list-style-type: none"> • Filter/algorithm: use standard or soft tissue smoothing kernel – no edge enhancement • Do not use bone algorithm • Provide complete axial image series of primary DICOM images • Lossy compression is not acceptable
DICOM Export Settings	<ul style="list-style-type: none"> • Axial series ONLY • Reconstruction matrix: 512 x 512 pixels • 120 kVp (or whatever value is patient dose appropriate)



For more details, please refer to the **Signature ONE Scanning Protocol**.

The CT Scan quality can directly affect guide manufacturing and accuracy of the glenoid guide. Please ensure that all protocol steps are closely followed unless a deviation is needed to uphold normal standard of radiological care. If a deviation is needed please notify **Personalized Solutions** prior to the scan.

CT Scan transfer from Imaging Center to Zimmer Biomet:

Imaging centers are required to transfer images to Zimmer Biomet via a secure direct method. There are five primary ways Zimmer Biomet receives DICOM images:

- VPN Connection
- Laurel Bridge
- Nuance PowerShare
- Ambra
- lifeIMAGE

Please contact **Zimmer Biomet PACS** to set up the direct image transfer:

Personalized Solutions

Email: PACS@zimmerbiomet.com

Tel: 1 (574) 371-3710