Signature™ ONE

CT Scan Protocol Summary

Patient Position	 Head First Supine (HFS) or Feet First Supine (FFS) Arms resting alongside body Patient must not move during acquisition
Table Position	 Do not move table between slices Do not alter X and Y centering between slices
Field of View (FOV)	 Use a 250 mm FOV or smallest to include ENTIRE bony anatomy of scapula and adjacent humerus anatomy Limit FOV to operative shoulder
Slice Thickness and Spacing	 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	 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	 Axial series ONLY Reconstruction matrix: 512 x 512 pixels 120 kVp (or whatever value is patient dose appropriate) DICOM files should state ZBSHOULDER in Study Description Field



For more details, please refer to the full Signature ONE Scanning Protocol (email Personalized Solutions@zimmerbiomet.com to request)

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



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