

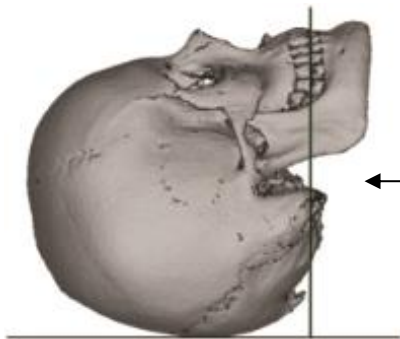
KELYNIAM

Customized Cranial & Craniofacial Implants

CT Scan Protocol

For the manufacturing of a Customized Skull Implant (CSI) or a Customized Craniofacial Implant (CCI)

Proper recording of the CT scan data is the first step in achieving an implant with the best possible fit. Obtaining a recent DICOM Compliant scan with adherence to the guidelines and parameters listed below is extremely important in reducing the turn-around time, and improving the overall fit of the final Kelyniam Global Inc. Customized Skull Implant (CSI) or Customized Craniofacial Implant (CCI).



Scanning Parameters

Acquisition	Axial/Helical
Field of View (FOV)	20-25cm
Gantry Tilt	0°
Occlusal Plane	Correct position of the patient
Spacing	≤ 1.25mm
Slice Thickness	≤ 1.25mm
Algorithm	Standard (not bone or detail)
MA	170/>280
Time	1 second

Scanning Guidelines

- Stabilize the patient. The patient must remain completely still through the entire scan. If patient movement occurs, the scan should be restarted to achieve the best implant fit.
- Include the entire defect plus 2cm above/below the area of interest.
- If the mandible and maxilla are desired in separate models, use a bite jib between the teeth otherwise they will be fused in one model.
- The Gantry tilt should be set to “0” and use the standard algorithm format.
- Archive the DICOM uncompressed image data (not raw data) to the accepted archive media listed for your scanner.
- Important position or details should be noted as well as an asymmetrical element of the patient to indicate left and/or right.

Accepted Media Types

- **CD** - Save the patient specific DICOM uncompressed image data files to a CD and mail to the CD and RFQ to the address listed below. Ensure that the CD is labeled with the patient’s name, patient’s hospital ID #, scan date, hospital, surgeon’s name, and contact information.
- **ShareFile (A Secured FTP/Web Upload Tool)** - Upload the patient specific DICOM uncompressed image data files via ShareFile. Contact a customer service specialist at Kelyniam Global Inc. at the number listed below to setup your secure ShareFile account.

Contact Information

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