



Scanning Protocol

Quality CT data is essential to the design and manufacture of Poriferous Patient-Specific Implants featuring Su-Por Biomaterial. Below is the protocol to follow:

- The patient must be stabilized and remain completely still throughout the entire scan. If patient movement occurs, the scan must be restarted to achieve the best implant fit.
- The scan should include 2cm beyond the defect area or area of interest.
- Please provide the original DICOM slice data.
- Do not reformat or include viewer software with data.
- Important position or details should be noted as well as any asymmetrical element of the patient to indicate left and/or right.
- The use of a bite jib during the scanning process for the mandible or the maxilla is recommended, otherwise they will be fused in the model.

SCANNING PARAMETERS:

Cranial Defects

- Acquisition: Axial/Helical
- F.O.V.: Include all areas of interest. Additional 20-25 cm above and below is preferred
- Gantry Tilt: 0
- Spacing: Overlapping
- Slice thickness 1.0-1.25mm (preferred)
- (3mm Max)
- Algorithm: Standard
- MA: 170ma/280kvp or lower
- Time: 2 seconds or less

Facial Defects

- Acquisition: Axial/Helical
- F.O.V.: Include all areas of interest
- Gantry Tilt: 0
- Spacing: Overlapping
- Slice thickness 1.0-1.25mm (preferred)
- (1.5mm Max)
- Algorithm: Standard
- MA: 120-180ma/120kvp or lower
- Time: 2 Seconds or less