

CT Scanning Guidelines

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 20-25mm above & below is preferred.
Gantry Tilt: 0
Spacing: Overlapping
Slice Thickness: 1-1.25mm (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: 1-1.25mm (preferred), 1.5mm max
Algorithm: Standard
MA: 120-180ma/120kvp or lower
Time: 2 seconds or less