

CT Scan Protocol

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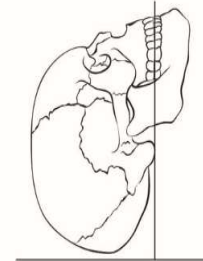
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PATIENT POSITIONING

Head Alignment	Remain straight in neutral position
Gantry Tilt	0° gantry tilt

Occlusal plane should be parallel to the gantry.



SCAN LENGTH/FOV

Scan Length	Encompass the entire skull, including at least 2 slices superior to the skull.
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SCANNING PROCESS

Patient Movement	Avoid patient movement. If the scan shows motion artifacts, the scan cannot be used.
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ACQUISITION

Slice Thickness	Maximum = 1.5 mm (1 mm preferred)
Beam Collimation	Width and detector configuration necessary to achieve actual slice thickness.
Table Increment	Constant Table increment, no gaps. Smaller than or equal to slice thickness.
Sequential Scanners	No overlap and no gap.
Single-Slice Helical Scanners	Beam pitch =1
Multi-Slice Helical Scanners	Beam pitch < 1 (GE: High Quality; Toshiba: Detail)
Slice Orientation	Axial slice orientation
Algorithm (Kernel)	Bone algorithm

DO NOT post process to alter slice orientation or thickness

DATA

Series ID	All images of scan should be stored in one series.
File Format	DICOM format. NO raw data. DO NOT Compress
Data Archiving	Archive only the relevant examination in uncompressed DICOM (CD-R preferred)
Data Storage	Recommendation: Save raw data for at least 14 days after scan