

CT Head WO (Helaical)				
Technical Parameters				
kVp:	100-120 (120kVp preferred due to the thick bone at the base of the skull)			
mAs:	Dose Modulation System (ex CAREdose 4D, smart mA) (reference mAs 332)			
Pitch:	<1 preferred			
Collimation:	Siemens (128x0.6) GE (40mm or 80mm)			
Scan Direction:	Caudocranial			
Rotation Time:	0.5-1.0s			
Anatomic Coverage:	Tilt head until the supraorbital-meatal line is perpendicular to the head holder in possible (line up the supraorbital ridge with the inner table of the skull at the foramen magnum) Tilt Gantry if possible to avoid exposure to the lens of the eye Base of the skull to the Vertex (Entire Boney Cranium)			
Reconstruction Parameters:	Soft Tissue Ax	Bone Ax	Coronal	Sagittal
Slice Thickness:	2.5mm	2.5mm	3mm	3mm
Reconstruction Interval:	2.5mm	2.5mm	3mm	3mm
Reconstruction FOV:	20-30cm (smallest area to include relevant anatomy)	20-30cm (smallest area to include relevant anatomy)	smallest area to include relevant anatomy	smallest area to include relevant anatomy
Window	Siemens (Cerebrum) GE (WW 80 WL 40)	Siemens (Bone) GE (WW 1500 WL 400)	Siemens (Cerebrum) GE (WW 80 WL 40)	Siemens (Cerebrum) GE (WW 80 WL 40)
Kernel/Algorithm:	Siemens (Hr 40) GE (Standard)	Siemens (Hr 69) GE (Sharp)	Siemens (Hr 40) GE (Standard)	Siemens (Hr 40) GE (Standard)