

NEURO PROTOCOLS

**indicates does not need protocol by radiologist*

Standard	CTA/CTV	SPINE
<u>Face (Non-contrast)</u>	<u>Carotids and Circle of Willis</u>	<u>C-Spine non-con *</u>
<u>Face (Contrast)</u>	<u>Carotids</u>	<u>C-Spine With</u>
<u>Helical Head non-con*</u>	<u>Circle of Willis</u>	<u>T-Spine non-con*</u>
<u>Helical Head With</u>	<u>CTV Head</u>	<u>T-Spine With</u>
<u>Orbits Bone (Non-Contrast)</u>	<u>BRAIN Perfusion</u>	<u>L-Spine non-con*</u>
<u>Orbits – Soft Tissue (Contrast)</u>	<u>Multiphase Acute Stroke</u>	<u>L-Spine With</u>
<u>Parathyroid</u>		DUAL ENERGY
<u>Pituitary</u>		<u>Spine – Myelogram or Bone Marrow</u>
<u>Soft Tissue Neck With</u>		<u>Spine – Hardware</u>
<u>Soft Tissue Neck Without</u>		
<u>Stealth Head</u>		
<u>Stealth Sinuses *</u>		
<u>Temporal Bones</u>		
<u>Temporal Bones With</u>		
<u>Mastoids with contrast</u>		

CAROTIDS

REVIEWED: 7/22/26

INDICATION	CAROTID STENOSIS / DISSECTION
SCAN	ARTERIAL PHASE NECK
RECON	0.6mm / 0.625mm AXIAL RECON – STANDARD ALGORITHM (CAROTIDS)
REFORMAT	2mm q 2mm MIP CORONAL AND SAGITTAL (CAROTIDS)
3D POST PROCESSING	NONE

IV SIZE		18g / RT AC
IV CONTRAST		65cc OMNIPAQUE 350
INJECTION RATE		5cc/SEC
PT POSITION		SUPINE / HEAD FIRST / TABLETOP / NO PILLOW
LANDMARK	GE	STERNAL NOTCH
	SIEMENS	BELOW AORTIC ARCH
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	CTA
START	CARINA
END	SELLA TURCICIA
DFOV	20 / 16
PREP GROUP	MIROI / SMART PREP @ ARCH

CAROTID AND CIRCLE OF WILLIS

REVIEWED: 7/22/26

INDICATION	ACUTE STROKE / DISSECTION
SCAN	ARTERIAL PHASE HEAD AND NECK
RECON	0.6mm / 0.625mm AXIAL RECON – STANDARD ALGORITHM (HEAD AND NECK)
REFORMAT	2mm MIP CORONAL AND SAGITTAL (COW) 10mm q 5mm MIP AXIAL (COW) 2mm q 2mm MIP CORONAL AND SAGITTAL (CAROTID)
3D POST PROCESSING	 3D ROTATIONS CIRCLE OF WILLIS

IV SIZE	18g / RT AC
IV CONTRAST	65cc OMNIPAQUE 350
INJECTION RATE	5cc/SEC
PT POSITION	SUPINE / HEAD FIRST / TABLETOP / NO PILLOW
LANDMARK	GE STERNAL NOTCH
	SIEMENS BELOW AORTIC ARCH
BREATHING	N/A
SCOUTS	AP AND LATERAL
EST. CTDI / DLP	

PARAMETER	SCAN
START	CARINA
END	TOP OF HEAD
DFOV	20
PREP GROUP	MIROI / SMART PREP @ ARCH

CIRCLE OF WILLIS

REVIEWED: 7/22/26

INDICATION	SAH / ANEURYSM / INTRACEREBRAL HEMORRHAGE
SCAN	ARTERIAL PHASE HEAD
RECON	• 0.6mm / 0.625mm AXIAL RECONS – STANDARD ALGORITHM
REFORMAT	▪ 2mm MIP CORONAL AND SAGITTAL ▪ 10mm q 5mm MIP AXIAL
3D POST PROCESSING	 3D ROTATION CIRCLE OF WILLIS

IV SIZE		18g / RT AC
IV CONTRAST		65cc OMNIPAQUE 350
INJECTION RATE		5cc/SEC
PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	BELOW AORTIC ARCH
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	CTA
START	C2
END	TOP OF HEAD
DFOV	20
PREP GROUP	MIROI / SMART PREP @ ARCH

C-SPINE WO CONTRAST

REVIEWED: 7/22/26

INDICATION	TRAUMA / TUMOR
SCAN	NON-CONTRAST C-SPINE
RECON	• 0.6mm / 0.625mm AXIAL RECONS – BONE ALGORITHM • 2 mm AXIAL RECONS – STANDARD ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL BONE ▪ 2mm SAGITTAL SOFT TISSUE ▪ 2mm TRUE AXIAL IF NECK IS POSITIONED CROOKED ▪ <i>OPEN TO COVER SPINE, NOT ENTIRE ST NECK</i>
3D POST PROCESSING	NONE

PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	STERNAL NOTCH
	SIEMENS	BELOW STERNAL NOTCH
BREATHING		DO NOT SWALLOW
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	ABOVE C1
END	T1
DFOV	14

C-SPINE WITH CONTRAST

REVIEWED: 7/22/26

INDICATION	TUMOR
SCAN	I+ C-SPINE
RECON	• 0.6mm / 0.625mm AXIAL RECONS – BONE ALGORITHM • 2 mm AXIAL RECONS – STANDARD ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL BONE ALGORITHM ▪ 2mm SAGITTAL STANDARD ALGORITHM ▪ 2mm TRUE AXIAL IF NECK IS POSITIONED CROOKED ▪ <i>OPEN TO COVER SPINE, NOT ENTIRE ST NECK</i>
3D POST PROCESSING	NONE

IV CONTRAST		50cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	STERNAL NOTCH
	SIEMENS	BELOW STERNAL NOTCH
BREATHING		DO NOT SWALLOW
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	ABOVE C1
END	T1
DFOV	14
PREP GROUP	75

FACE (TRAUMA WO CONTRAST)

REVIEWED: 7/22/26

INDICATION	TRAUMA / FACE PAIN
SCAN	NON-CONTRAST
RECON	• 0.6mm AXIAL RECON – BONE ALGORITHM • 0.6mm AXIAL RECON – STANDARD ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL (BONE ALGORITHM) ▪ 2mm CORONAL (STANDARD ALGORITHM)
3D POST PROCESSING	 3D ROTATION (IF REQUESTED)

PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	BELOW MANDIBLE
END	ABOVE FRONTAL SINUSES
DFOV	18

FACE (WITH CONTRAST)

REVIEWED: 7/22/26

INDICATION	FACE PAIN / INFECTION
ORAL PREP	NONE
SCAN	70 SEC. DELAY
RECON	• 0.6mm AXIAL RECONS – STANDARD ALGORITHM • 0.6mm AXIAL RECONS – BONE ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL (BONE ALGORITHM) ▪ 2mm CORONAL (STANDARD ALGORITHM)
3D POST PROCESSING	NONE

IV CONTRAST		110cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	BELOW MANDIBLE
END	ABOVE FRONTAL SINUSES
DFOV	18
PREP GROUP	70 SEC

CTV HEAD

UPDATED: 7/22/26

INDICATION	SINUS THROMBOSIS
SCAN	I+ SCAN 45 SECONDS AFTER INJECTION
RECON	• 0.6mm / 0.625mm / 1.25mm AXIAL RECONS – STANDARD ALGORITHM
REFORMAT	▪ 2mm MIP CORONAL AND SAGITTAL ▪ 10mm q 5mm MIP AXIAL, CORONAL AND SAGITTAL
3D POST PROCESSING	NONE

IV SIZE		18g OR 20g
IV CONTRAST		65cc OMNIPAQUE 350
INJECTION RATE		4-5cc/SEC
PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	C4
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI /D DLP		

PARAMETER	SCAN
START	TOP OF HEAD
END	C2
DFOV	22
PREP GROUP	45 SEC

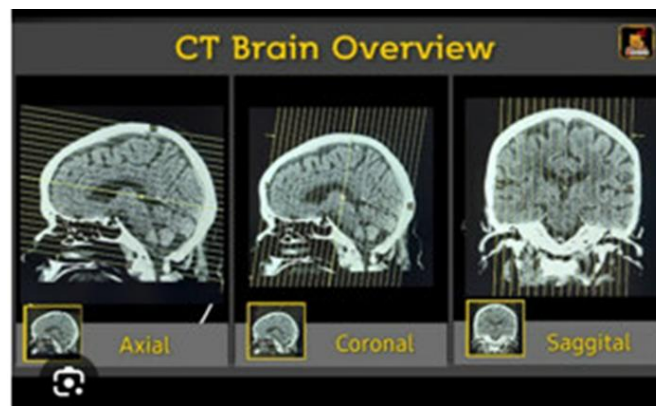
HELICAL HEAD WITH

REVIEWED: 7/22/2026

INDICATION	ABSCESS / METS	
SCAN	I+ HEAD 5 MINS (ABSCESS) OR 10 MINS (METS)	
RECON	• 5.0mm AXIAL RECON – STANDARD ALGORITHM • 1.25mm AXIAL RECON – SOFT / STANDARD ALGORITHM • 2.0mm/2.5mm AXIAL RECON – BONE ALGORITHM	
REFORMAT	▪ 3mm CORONAL AND SAGITTAL ▪ 3mm TRUE AXIAL if head is crooked see below for correct angling to corpus callosum	
3D POST PROCESSING	NONE	

IV CONTRAST	110CC OMNIPAQUE 350	
INJECTION RATE	2CC/SEC	
PT POSITION	SUPINE / HEAD FIRST	
LANDMARK	GE	OMBL
	SIEMENS	BELOW BASE OF SKULL
BREATHING	N/S	
SCOUTS	LATERAL	
EST. CTDI / DLP		

PARAMETER	SCAN
START	BASE OF SKULL
END	TOP OF HEAD
DFOV	22
PREP GROUP	5 OR 10 MIN



HELICAL HEAD WITH

HELICAL HEAD WITHOUT

REVIEWED: 7/22/26

INDICATION	HEADACHE / CONFUSION	
SCAN	NON-CONTRAST HEAD	
RECON	• 5.0mm AXIAL RECON – STANDARD ALGORITHM • 1.0mm / 1.25mm AXIAL RECON – SOFT / STANDARD ALGORITHM • 1.0mm / 1.25mm AXIAL RECON – BONE ALGORITHM	
REFORMAT	▪ 3mm CORONAL AND SAGITTAL ▪ 3mm TRUE AXIAL if head is crooked see below for correct angling to corpus callosum	
3D POST PROCESSING	NONE	

PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	BELOW BASE OF SKULL
BREATHING		N/A
SCOUTS		LATERAL
EST. CTDI/DLP		

PARAMETER	SCAN
START	BASE OF SKULL
END	TOP OF HEAD
DFOV	22

Angle parallel to the inferior margin of the corpus callosum for axial reformat



HELICAL HEAD WITHOUT

L-SPINE WO CONTRAST

REVIEWED: 7/22/2026

INDICATION	TRAUMA / TUMOR
SCAN	NON-CONTRAST L-SPINE
RECON	• 2.0mm AXIAL RECONS –STANDARD ALGORITHM • 1.25mm / 2.0mm AXIAL RECONS – BONE ALGORITHM • 0.625mm AXIAL RECONS – BONE ALGORITHM – NOT SENT TO PACS (GE SCANNERS)
REFORMAT	▪ 2mm CORONAL AND SAGITTAL –<i>OPEN TO COVER SPINE AND SI JOINTS—NOT ENTIRE ABDOMEN</i>
3D POST PROCESSING	NONE

PT POSITION		SUPINE / FEET FIRST
LANDMARK	GE	ILIAC CREST
	SIEMENS	ABOVE DIAPHRAGM
BREATHING		STOP BREATHING
SCOUTS		AP AND LATERAL
EST. CTDI/DLP		

PARAMETER	SCAN
START	T12
END	END OF SI JOINTS
DFOV	16

L-SPINE WITH CONTRAST

REVIEWED: 7/22/26

INDICATION	BACK PAIN
SCAN	I+ L-SPINE
RECON	• 2.0mm AXIAL RECONS –STANDARD ALGORITHM • 1.25mm / 2.0mm AXIAL RECONS – BONE ALGORITHM • 0.625mm AXIAL RECONS – BONE ALGORITHM – NOT SENT TO PACS (GE SCANNERS)
REFORMAT	▪ 2mm SAGITTAL STANDARD ALGORITHM ▪ 2mm CORONAL AND SAGITTAL BONE ALGORITHM ▪ <i>OPEN TO COVER SPINE AND SI JOINTS—NOT ENTIRE ABDOMEN</i>
3D POST PROCESSING	NONE

IV CONTRAST	110cc OMNIPAQUE 350
INJECTION RATE	2-3CC/SEC
PT POSITION	SUPINE / FEET FIRST
LANDMARK	ILIAC CREST
	ABOVE DIAPHRAGM
BREATHING	STOP BREATHING
SCOUTS	AP AND LATERAL
EST. CTDI / DLP	

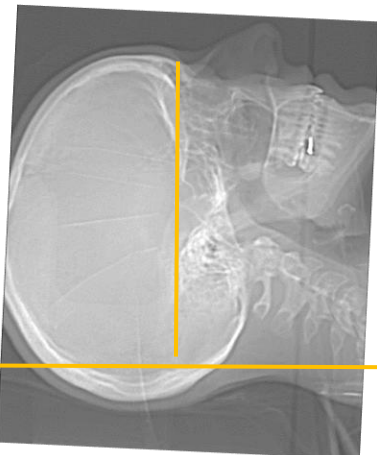
PARAMETER	SCAN
START	T12
END	END OF SI JOINTS
DFOV	16
PREP GROUP	75

MASTOIDS WITH

REVISED: 7/22/26

INDICATION	Mastoiditis, infection
SCAN	I+ 70 SEC DELAY
RECON	• 2.0mm / 2.5mm AXIAL RECONS – STANDARD/DETAIL ALGORITHM—BILATERAL MASTOIDS • 1.25mm AXIAL RECONS – BONE ALGORITHM-BILATERAL MASTOIDS • 1.25mm AXIAL RECONS – STANDARD ALGORITHM – BILATERAL MASTOIDS
REFORMAT	▪ 1.25mm / 1.25mm q 0.3mm CORONAL (BILATERAL MASTOIDS)
3D POST PROCESSING	NONE

IV CONTRAST		110cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / HEAD FIRST/ CHIN TUCKED / IOML PERPENDICULAR TO THE FLOOR
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		NONE
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		



PARAMETER	SCAN
START	SUPERIOR PETROUS RIDGES
END	MID C-1
DFOV	20
PREP GROUP	70 SEC

MULTIPHASE ACUTE STROKE

REVIEWED: 7/22/2026

INDICATION	ACUTE STROKE
SCAN	ARTERIAL PHASE HEAD AND NECK, DELAYED COW
RECON	• 0.6mm AXIAL RECON - STANDARD ALGORITHM (CACO) • 0.6mm AXIAL RECON - STANDARD ALGORITHM (COW)
REFORMAT	▪ 10mm q 5mm MIP AXIAL COW (CACO SCAN) ▪ 2mm MIP CORONAL AND SAGITTAL COW (CACO SCAN) ▪ 2mm q 2mm MIP CORONAL AND SAGITTAL (CAROTIDS) ▪ 10mm q 5mm MIP AXIAL COW (DELAYED COW)
3D POST PROCESSING	 3D ROTATIONS CIRCLE OF WILLIS

IV SIZE		18g / RT AC
IV CONTRAST		65cc OMNIPAQUE 350
INJECTION RATE		5cc/SEC
PT POSITION		SUPINE / HEAD FIRST / TABLETOP / NO PILLOW
LANDMARK	GE	STERNAL NOTCH
	SIEMENS	BELOW AORTIC ARCH
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI /DLP		

PARAMETER	SCAN
START	CARINA
END	TOP OF HEAD
DFOV	20
PREP GROUP	SMART PREP @ ARCH

ORBITS BONE (NON-CONTRAST)

REVIEWED: 7/22/26

INDICATION	TRAUMA/ PAIN
SCAN	NON-CONTRAST ORBITS
RECON	• 0.6mm / 0.625mm / 1.25mm AXIAL RECON – BONE ALGORITHM • 0.6mm / 0.625mm / 1.25mm AXIAL RECON – STANDARD ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL (BONE ALGORITHM) ▪ 2mm CORONAL AND SAGITTAL (STANDARD ALGORITHM)
3D POST PROCESSING	NONE

PT POSITION		SUPINE / HEAD FIRST / PT MUST FIX GAZE FOR SCAN
LANDMARK	GE	OMBL
	SIEMENS	TOP OF HEAD
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	MAXILLARY SINUSES
END	ROOF OF ORBITS
DFOV	12

ORBITS - SOFT TISSUE (WITH CONTRAST)

REVIEWED: 7/22/26

INDICATION	VISION LOSS / DOUBLE VISION
SCAN	70 SEC DELAY
RECON	• 0.625mm OR 1.25mm AXIAL RECON – STANDARD ALGORITHM • 0.625mm OR 1.25mm AXIAL RECON – BONE ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL (BONE ALGORITHM) ▪ 2mm CORONAL AND SAGITTAL (STANDARD ALGORITHM)
3D POST PROCESSING	NONE

IV CONTRAST		110cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / HEAD FIRST / PT MUST FIX GAZE
LANDMARK	GE	OMBL
	SIEMENS	TOP OF HEAD
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	MAXILLARY SINUSES
END	ROOF OF ORBITS
DFOV	12
PREP GROUP	70 SEC

PARATHYROID

REVIEWED: 7/22/2026

INDICATION	PARATHYROID ADENOMAS
SCAN	• NON-CONTRAST • ARTERIAL (BOLUS TRACK @ASCENDING AORTA, THRESHOLD 100HU) • 80 SEC PHASE
RECON	• 1.0mm AXIAL RECONS – STANDARD ALGORITHM (ALL PHASES)
REFORMAT	▪ 1mm CORONAL AND SAGITTAL – ARTERIAL AND VENOUS PHASES
3D POST PROCESSING	NONE

IV SIZE	RIGHT ARM--20G OR 18G— <i>(Please note in Epic if unable to use right arm for injection)</i>
IV CONTRAST	75cc OMNIPAQUE 350
INJECTION RATE	4cc/SEC
PT POSITION	SUPINE / HEAD FIRST
LANDMARK	BELOW STERNAL NOTCH
BREATHING	DO NOT SWALLOW
SCOUTS	AP AND LATERAL
EST. CTDI / DLP	

PARAMETER	NON-CONTRAST	ARTERIAL PHASE	VENOUS PHASE
START	HYOID	MID MANDIBLE	MID MANDIBLE
END	TOP OF STERNUM	CARINA	CARINA
DFOV	20	20	20
PREP GROUP		25 SEC	50 SEC

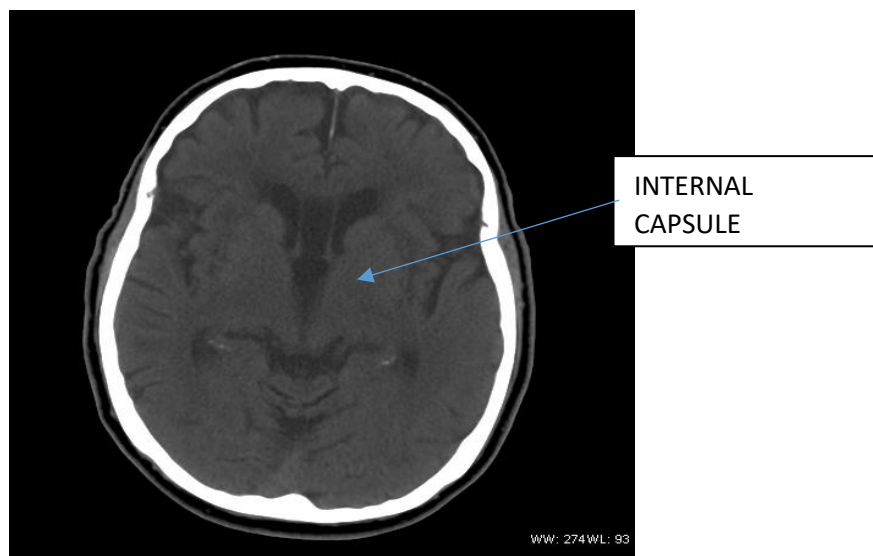
BRAIN PERFUSION

REVIEWED: 7/22/2026

INDICATION	ACUTE STROKE / VASOSPASM
SCAN	1. NON-CONTRAST HEAD 2. I+ CINE SCAN AT WITH LOWEST SLICE AT INTERNAL CAPSULE (SEE IMAGE BELOW)
RECON	• 5.0mm AXIAL RECONS – STANDARD ALGORITHM (BOTH) • 1.25mm AXIAL RECONS – SOFT ALGORITHM (I- ONLY) • 2.5mm AXIAL RECONS – BONE ALGORITHM (I- ONLY)
REFORMAT	• 2mm CORONAL AND SAGITTAL
3D POST PROCESSING	 PERFUSION MAPS

IV SIZE		18g OR 20g / RT AC
IV CONTRAST		40cc OMNIPAQUE 350
INJECTION RATE		4-5cc/SEC
PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	CHIN
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	NON-CONTRAST	PERFUSION
START	BASE OF SKULL	INTERNAL CAPSULE
END	TOP OF HEAD	5mm ABOVE INTERNAL CAPSULE
DFOV	22	25
PREP GROUP		5 SEC



PITUITARY

REVIEWED: 7/22/26

INDICATION	TUMOR
SCAN	I+ SCAN – 5 MINUTES AFTER CONTRAST INJECTION
RECON	• 0.625mm AXIAL RECON – STANDARD ALGORITHM • 0.625mm AXIAL RECON – BONE ALGORITHM
REFORMAT	▪ 2mm CORONAL AND SAGITTAL
3D POST PROCESSING	NONE

IV CONTRAST		110cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / HEAD FIRST
LANDMARK	GE	OMBL
	SIEMENS	CHIN
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER		SCAN
START		BASE OF CLIVUS
END		CLINOIDS
DFOV		12
PREP GROUP	<u>GE VCT</u>	5 MINUTES
	<u>GE ASCEND</u>	
	SIEMENS EDGE	
	SIEMENS FORCE	

SOFT TISSUE NECK WITH CONTRAST

REVIEWED: 7/22/26

INDICATION	NECK TUMOR / LYMPHADENOPATHY/HOARSENESS SEE **
SCAN	I+ SCAN 110 SEC DELAY
RECON	• 2.0mm AXIAL RECONS –STANDARD ALGORITHM • 0.6mm / 0.625mm / 1.25mm AXIAL RECONS – STANDARD ALGORITHM • 0.6mm / 0.625mm AXIAL RECONS – BONE ALGORITHM (HYOID TO TOP OF SCAN, ANTERIOR FACE) • 0.625mm AXIAL RECONS – STANDARD ALGORITHM – ANGLED CUTS AROUND DENTAL WORK, iMAR THROUGH AREA IF SCANNER DOESN'T ANGLE
REFORMAT	▪ 2mm CORONAL AND SAGITTAL—BE SURE TO COVER ALL ANATOMY (NOSE TO POSTERIOR NECK)
3D POST PROCESSING	NONE

IV CONTRAST	110cc OMNIPAQUE 350
INJECTION RATE	3cc/SEC
PT POSITION	SUPINE / HEAD FIRST
LANDMARK	STERNAL NOTCH
BREATHING	SHALLOW BREATHING DURING SCAN
SCOUTS	AP AND LATERAL
EST. CTDI / DLP	

PARAMETER	SCAN	ANGLED CUTS
START	JUST BELOW SC JOINTS**	BELOW METAL
END	TOP OF EAR	JUST BELOW METAL
DFOV	25	25
PREP GROUP	110 SEC	

****HOARSENESS:** *Extend scan to Carina*

LARYNX: Recon 0.625mm thick by 0.625mm increment, 10 dFov with cuts that are angled with the hyoid, down 60 slices, and centered at the airway.

PUFFED CHEEKS: Only if requested by Radiologist

ANGLED CUTS: Angle gantry to see ST posterior to metal/dental work—USE iMAR IF SCANNER DOESN'T ANGLE

ST NECK WITH

SOFT TISSUE NECK WITHOUT CONTRAST

REVIEWED: 7/22/2026

INDICATION	SALIVARY STONES, CONTRAINDICATION TO IV CONTRAST, HOARSENESS SEE **
SCAN	I- SCAN
RECON	• 2.0mm AXIAL RECONS –STANDARD ALGORITHM • 0.625mm / 1.25mm AXIAL RECONS – STANDARD ALGORITHM • 0.6mm / 0.625mm AXIAL RECONS – BONE ALGORITHM (HYOID TO TOP OF SCAN, ANTERIOR FACE) • 0.625mm AXIAL RECONS – STANDARD ALGORITHM – ANGLED CUTS AROUND DENTAL WORK, iMAR THROUGH AREA IF SCANNER DOESN'T ANGLE
REFORMAT	▪ 2mm CORONAL AND SAGITTAL

PT POSITION	SUPINE / HEAD FIRST
LANDMARK	STERNAL NOTCH
BREATHING	SHALLOW BREATHING DURING SCAN
SCOUTS	AP AND LATERAL
EST. CTDI / DLP	

PARAMETER	SCAN
START	JUST BELOW SC JOINTS**
END	TOP OF EAR
DFOV	20

****HOARSENESS:** *Extend scan to Carina*

LARYNX: Recon 0.625mm thick by 0.625mm increment, 10 dFov with cuts that are angled with the hyoid, down 60 slices, and centered at the airway.

PUFFED CHEEKS: Only if requested by Radiologist

ANGLED CUTS: Angle gantry to see ST posterior to metal/dental work. USE iMAR IF SCANNER DOESN'T ANGLE

SPINE – MYELOGRAM OR BONE MARROW (DE)

REVIEWED: 7/22/26

INDICATION	POST MYELO
SCAN	DUAL ENERGY
RECON	• 0.6mm AXIAL RECON – STANDARD ALGORITHM • 2.0mm AXIAL RECON - BONE ALGORITHM
REFORMAT	▪ 2.0mm CORONAL AND SAGITTAL BONE ▪ 2.0mm SAGITTAL STANDARD ALGORITHM
3D POST PROCESSING	NONE

PT POSITION	SUPINE / FEET FIRST
LANDMARK	N/A
	ABOVE SHOULDERS (T-SPINE OR T/L-SPINE) ABOVE DIAPHRAGM (L-SPINE)
BREATHING	STOP BREATHING
SCOUTS	AP AND LATERAL
EST. CTDI / DLP	

PARAMETER	SCAN
START	C7 (T-SPINE OR T/L-SPINE) OR T12 (L-SPINE)
END	L1 (T-SPINE) OR S1 (T/L- SPINE OR L-SPINE)
DFOV	30

SPINE – HARDWARE

REVIEWED: 7/22/2026

INDICATION	
SCAN	DUAL ENERGY
RECON	• 2.0mm AXIAL RECON – BONE ALGORITHM • 2.0mm AXIAL RECON – STANDARD ALGORITHM
REFORMAT	▪ 2.0mm CORONAL AND SAGITTAL BONE ▪ 2.0mm SAGITTAL STANDARD
3D POST PROCESSING	NONE

PT POSITION		SUPINE / FEET FIRST
LANDMARK	GE	N/A
	SIEMENS	ABOVE SHOULDERS (T-SPINE OR T/L-SPINE) ABOVE DIAPHRAGM (L-SPINE)
BREATHING		STOP BREATHING
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	C7 (T-SPINE OR T/L-SPINE) OR T12 (L-SPINE)
END	L1 (T-SPINE) OR S1 (T/L-SPINE OR L-SPINE)
DFOV	12

STEALTH HEAD

REVIEWED: 7/22/2026

INDICATION	PRE-OP SURGERY
SCAN	NON-CONTRAST
RECON	1.25mm / 2.0mm AXIAL RECONS – STANDARD ALGORITHM
REFORMAT	2MM CORONAL AND SAGITTAL STD
3D POST PROCESSING	NONE

PT POSITION		SUPINE / HEAD FIRST / IN STEALTH SPONGE
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	BASE OF SKULL
END	TOP OF HEAD W/ AIR GAP
DFOV	25

STEALTH SINUSES

REVISED: 7/22/2026

INDICATION	PRE-OP SINUS SURGERY
SCAN	NON-CONTRAST
RECON	• 0.6mm / 0.625mm AXIAL RECONS – STANDARD ALGORITHM (WHOLE HEAD/FULL FOV) • 0.6mm / 0.625mm AXIAL RECONS – BONE ALGORITHM –TARGETED TO SINUSES • 0.6mm / 0.625mm AXIAL RECONS – STANDARD ALGORITHM – TARGETED TO SINUSES
REFORMAT	▪ 2mm CORONAL AND SAGITTAL BONE—TARGETED TO SINUSES
3D POST PROCESSING	NONE

PT POSITION		SUPINE / HEAD FIRST / IN STEALTH SPONGE
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	BELOW MAXILLARY TEETH
END	TOP OF HEAD WITH AIR GAP
DFOV	25 / 14

TEMPORAL BONES WO CONTRAST

REVIEWED: 7/22/26

INDICATION	HEARING LOSS
SCAN	NON-CONTRAST
RECON	• 2.0mm / 2.5mm AXIAL RECONS – STANDARD/DETAIL ALGORITHM • 0.625mm AXIAL RECONS – EDGE ALGORITHM – RT IAC • 0.625mm AXIAL RECONS – EDGE ALGORITHM – LT IAC
REFORMAT	▪ 0.4mm / 0.625mm q 0.3mm CORONAL (EACH IAC) ▪ 0.4mm / 0.625mm q 0.3mm DEHISCENCE REFORMATS (IF REQUESTED)
3D POST PROCESSING	NONE

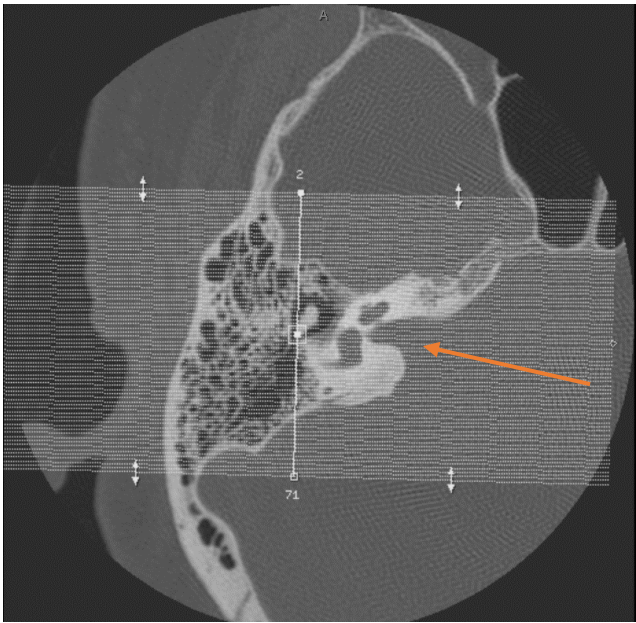
PT POSITION		SUPINE / HEAD FIRST/ CHIN TUCKED / IOML PERPENDICULAR TO THE FLOOR
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	BELOW MASTOID AIR CELLS
END	ABOVE MASTOID AIR CELLS
DFOV	20 / 9.6

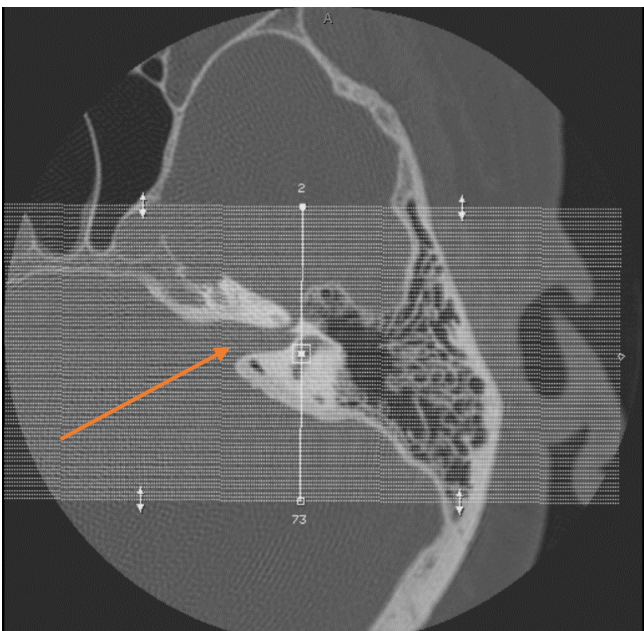


T-BONE REFORMATS:

Right



Left



DEHISCENCE REFORMATS:

RIGHT



LEFT

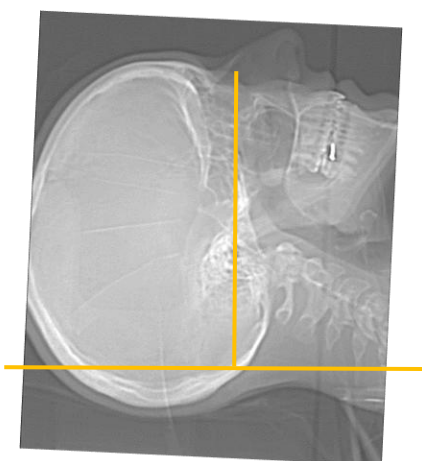


TEMPORAL BONES WITH CONTRAST

REVIEWED: 7/22/26

INDICATION	
SCAN	I+, 70sec delay
RECON	• 2.0mm / 2.5mm AXIAL RECONS – STANDARD/DETAIL ALGORITHM • 0.625mm AXIAL RECONS – EDGE ALGORITHM – RT IAC • 0.625mm AXIAL RECONS – EDGE ALGORITHM – LT IAC
REFORMAT	▪ 0.4mm / 0.625mm q 0.3mm CORONAL (EACH IAC) ▪ 0.4mm / 0.625mm q 0.3mm DEHISCENCE REFORMATS (IF REQUESTED)
3D POST PROCESSING	NONE

IV CONTRAST		110cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / HEAD FIRST/ CHIN TUCKED / IOML PERPENDICULAR TO THE FLOOR
LANDMARK	GE	OMBL
	SIEMENS	BELOW MANDIBLE
BREATHING		N/A
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

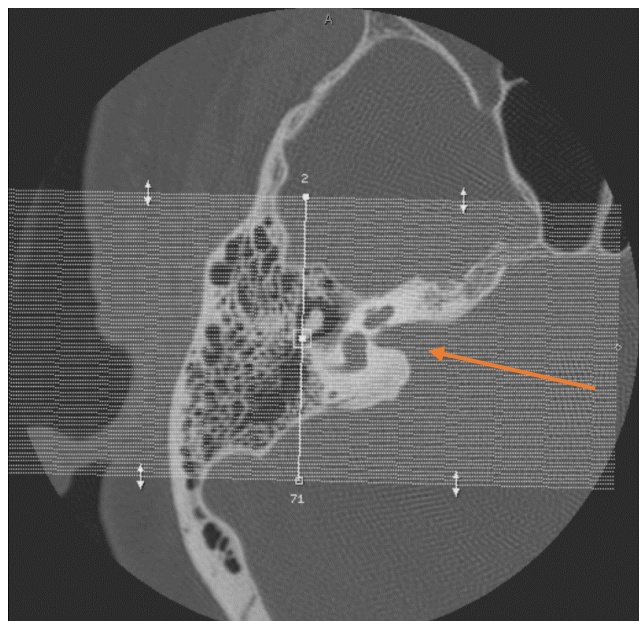


PARAMETER	SCAN
START	BELOW MASTOID AIR CELLS
END	ABOVE MASTOID AIR CELLS
DFOV	20 / 9.6
PREP GROUP	70 SEC

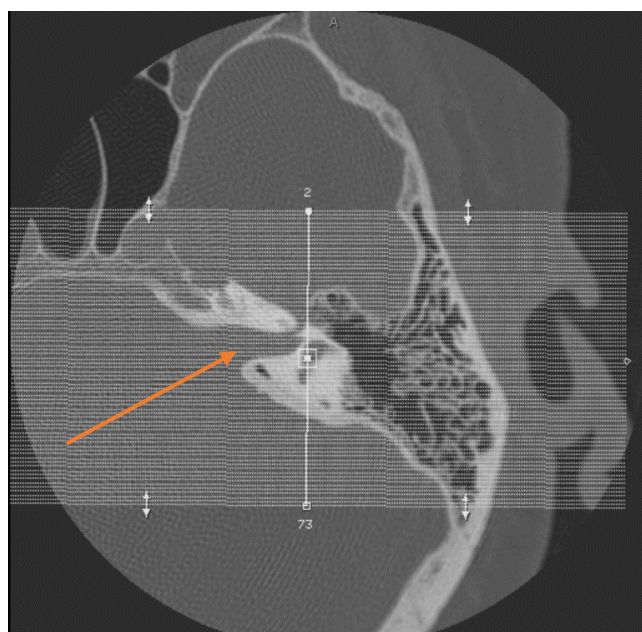
TEMPORAL BONES

T-BONE REFORMATS:

Right



Left



DEHISCENCE REFORMATS:

RIGHT



LEFT



TEMPORAL BONES

T-SPINE WO CONTRAST

REVIEWED: 7/22/26

INDICATION	BACK PAIN
SCAN	NON-CONTRAST
RECON	• 2.0mm AXIAL RECONS –STANDARD ALGORITHM • 1.25mm / 2.0mm AXIAL RECONS – BONE ALGORITHM • 0.625mm AXIAL RECONS – BONE ALGORITHM – NOT SENT TO PACS (GE SCANNERS)
REFORMAT	▪ 2mm CORONAL AND SAGITTAL BONE ▪ 2MM SAGITTAL STANDARD ▪ <i>OPEN TO COVER SPINE, NOT ENTIRE THORAX</i>
3D POST PROCESSING	NONE

PT POSITION		SUPINE / FEET FIRST
LANDMARK	GE	ILIAC CREST
	SIEMENS	ABOVE SHOULDERS
BREATHING		HOLD BREATH
SCOUTS		AP AND LATERAL
EST.CTDI / DLP		

PARAMETER	SCAN
START	C7
END	T1
DFOV	16

T-SPINE

T-SPINE WITH CONTRAST

REVIEWED: 7/22/26

INDICATION	TUMOR
SCAN	I+ T-SPINE
RECON	• 2.0mm AXIAL RECONS – STANDARD ALGORITHM • 1.25mm / 2.0mm AXIAL RECONS – BONE ALGORITHM • 0.625mm AXIAL RECONS – BONE ALGORITHM – NOT SENT TO PACS (GE SCANNERS)
REFORMAT	▪ 2mm SAGITTAL STANDARD ALGORITHM ▪ 2mm CORONAL AND SAGITTAL BONE ALGORITHM ▪ <i>OPEN TO COVER SPINE, NOT ENTIRE THORAX</i>
3D POST PROCESSING	NONE

IV CONTRAST		75cc OMNIPAQUE 350
INJECTION RATE		2-3CC/SEC
PT POSITION		SUPINE / FEET FIRST
LANDMARK	GE	ILIAC CREST
	SIEMENS	ABOVE SHOULDERS
BREATHING		HOLD BREATH
SCOUTS		AP AND LATERAL
EST. CTDI / DLP		

PARAMETER	SCAN
START	C7
END	T1
DFOV	16
PREP GROUP	75

T-SPINE WITH