

Spiral Neck CTA

Scanning Parameters:

1.2mm/0.5sp image thickness

1mm image index

1.5 pitch factor

140 kV and 200 mA

As many revolutions allowed; 1 sec/revolution

Injection protocol:

18 sec. Scan Delay

3.5 cc sec for 125cc – total contrast = (18 sec x 3.5cc/sec + Total sec. of scanning x 3.5cc/sec = total cc contrast)

AP Scout – scan from bottom and go up

Approximate T4/top of Arch through skull base

Head – As above but coverage from C2 ==> vertex

Head Without Contrast

Scan mode:	Axial, non-helical
Scan parameters:	5x5 through posterior fossa, 5x5 to vertex
SFOV:	25
DFOV:	21
Algorithm:	Standard
Filming:	Standard – W150/L40 posterior fossa, W100/L40 to vertex Bone – W4000/L400
Special Instructions:	Patient in head holder when at all possible Exposure time at least 2 sec.

Head With Contrast

Scan mode:	Axial, non-helical
Scan parameters:	5x5 posterior fossa, 5x5 to vertex
SFOV:	25
DFOV:	21
Algorithm:	Standard
Contrast:	100cc Omni 300/1.5-2.0cc per sec. (May hand inject)
Filming:	Standard: W150/L40 post fossa, W100/L40 to vertex Bone: W4000/L400
Special Instructions:	Check req for protocol, i.e., if thin slices needed

Head With Contrast

Scan mode:	Axial, non-helical
Scan parameters:	5x5 posterior fossa, 5x5 to vertex
SFOV:	25
DFOV:	21
Algorithm:	Standard
Contrast:	100cc Omni 300/1.5-2.0cc per sec. (May hand inject)
Filming:	Standard: W150/L40 post fossa, W100/L40 to vertex Bone: W4000/L400
Special Instructions:	Check req for protocol, i.e., if thin slices needed

Facial Bones

Scan Mode:	Axial and coronal
Scan parameters:	2.5 x 2.5mm
SFOV:	25
DFOV:	15
Algorithm:	Bone, reconstruct standard
Filming:	Bone – W4000/L400 Standard – W300/L0
Special Instructions:	Check individual request for alterations Make sure patient position entered correctly for coronals

Cervical Spine

Scan Mode:	Axial, non-helical
Scan parameters:	2.5 x 2.5mm
SFOV:	25
DFOV:	9-12
Algorithm:	Bone, reconstruct standard
Filming:	Bone W4000/L400 Standard W250/L50
Landmarks:	Gantry angle to optimize level in question
Special Instructions:	For trauma cases, do not re-angle gantry Post-myelogram, see individual request

Cervical Spine

Scan Mode:	Axial, non-helical
Scan parameters:	2.5 x 2.5
SFOV:	25
DFOV:	9-12
Algorithm:	Bone, reconstruct standard
Filming:	Bone W4000/L400 Standard W250/L50
Landmarks:	Gantry angle to optimize level in question
Special Instructions:	For trauma cases, do not re-angle gantry Post-myelogram, see individual request

Thoracic Spine

Scan Mode:	Axial, non-helical
Scan parameters:	2.5 x 2.5mm
SFOV:	48 (large)
DFOV:	10-14
Algorithm:	Bone, reconstruct standard
Filming:	Bone – W4000/L400 Standard – W250/L50
Special Instructions:	Scout image frontal and lateral Tailor exam as possible to level in question

Lumbar Spine

Scan Mode:	Axial, non-helical
Scan parameters:	2.5 x 2.5mm
SFOV:	48 (large)
DFOV:	12-16
Algorithm:	Bone, reconstruct standard
Filming:	Bone – W4000/L400 Standard – W250/L50
Special Instructions:	For Trauma, do not re-angle gantry individual reques

Post-myelogram, see

Lumbar Spine

Scan Mode: Axial, non-helical

Scan parameters: 2.5 x 2.5

SFOV: 48 (large)

DFOV: 12-16

Algorithm: Bone, reconstruct standard

Filming: Bone – W4000/L400
Standard – W250/L50

Special Instructions: For Trauma, do not re-angle gantry
Post-myelogram, see individual request