ARA

DIAGNOSTIC IMAGING

Neck	CT Protocol

4D ST Neck

Reference:

Comments:	DFOV: Preferred 20 cm (Range 19-21 cm)
Networking:	...Non-Contrast...- 1x1 Axial, Sagittal and Coronal
	25 second delay- 1x1 Axial, Sagittal and Coronal
	50 second delay- 1x1 Axial, Sagittal and Coronal
	80 second delay- 1x1 Axial, Sagittal and Coronal
	110 second delay-1x1 Axial, Sagittal and Coronal

Exam Overview:

1. There will be 5 acquisitions; all are to be obtained from the carina through the bottom of the mandibular teeth while the patient breaths normally.
- (Non-contrast) The First scan will be without contrast
- (25 Second Delay) The second scan will be acquired 25 seconds after the start of the injection
- (50 Second Delay) The third scan will be acquired 50 seconds after the start of the injection
- (80 Second Delay) The fourth scan will be acquired 80 seconds after the start of the injection
- (110 Second Delay) The fifth scan will be acquired 110 seconds after the start of the injection

IV Contrast

Type	Omnipaque 350
Volume	120ml
Rate	4ml/sec

SOMATOM Definition AS (included?)

Scan 1: Neck

Tube Rotation	0.5
kV	120.0
Eff. mAs	115.0
Quality Ref mAs	100
CTDIvol	7.6
Dose Modulation	ON
Dose Modulation Type	CARE Dose4D
Acquisition	64x0.6
CARE kV	120
Optimize Slider Position	3
CTDIvol	7.6

Comments:
all scans will follow the sameparameters as initial scan

Recon 1: Axial ST

Thickness	1.0
Interval	1.0
Kernel	I41f medium
Window	Larynx

Recon 2: Coronal

Thickness	1.0
Interval	1.0
Kernel	I41f medium
Window	Larynx

Recon 3: Sagittal

Thickness	1.0
Interval	1.0
Kernel	I41f medium
Window	Larynx