

CTA Converge

Updated
5/6/2024

Indications - pre and post operative evaluation for atrial fibrillation.

Bill under CT Angio Cardiac w/ Contrast charge. Do not use CT Angio Coronary w/ Contrast charge.

GENERAL SCAN NOTES

Move the patient's arms over his/her head if possible. Remove any metal from the imaging field of view.

Topogram - lung apices through diaphragm (obtained during end inspiration).

Craniocaudal scan coverage - lung apices through the adrenal glands (**just have patient stop breathing**).

Adjust FOV (field of view) on topogram to smallest without cropping anatomy.

EKG gating:

IV Contrast:

Administer weight-based Omnipaque-350 - **1 mL/kg** up to **150 mL** (100 mL minimum).

Inject at **4 mL/sec** followed by 40 mL saline flush, 20-gauge or larger in AC fossa.

Bolus track off **pulmonary trunk** triggered at **180 HU**.

SIEMENS PARAMETERS & RECONS

	Scan Mode	kV	mAs	Care Dose	Care kV & Lvl	Pitch	Acq	Coll	Rot Time	Scan Time
Go Top 64	spiral	100	54	on	on 64	0.31	64	0.6	0.33	22.2
Drive 128	spiral	100	282	on	on	0.17	128	0.6	0.285	34.9
Force 192	spiral	100	288	on	on	0.15	192	0.6	0.25	23.1

Name of Series	Thick	Interval	Kernel	Window	IR Lvl	Recon Direction
AX LUNG	3.0	3.0	Br57	lung	3	head/feet
AX ANGIO	3.0	3.0	Br40	mediastinum	3	head/feet
AX ANGIO THINS	1.5	1.5	Br41	mediastinum	3	head/feet
COR SOFT	3.0	3.0	Br42	mediastinum	3	front/back
SAG SOFT	3.0	3.0	Br43	mediastinum	3	left/right
AX MIPS	5.0	3.0	Br44	mediastinum	3	head/feet
3D VRT (spin)	0.75	0.5	Bv36	CT angio		