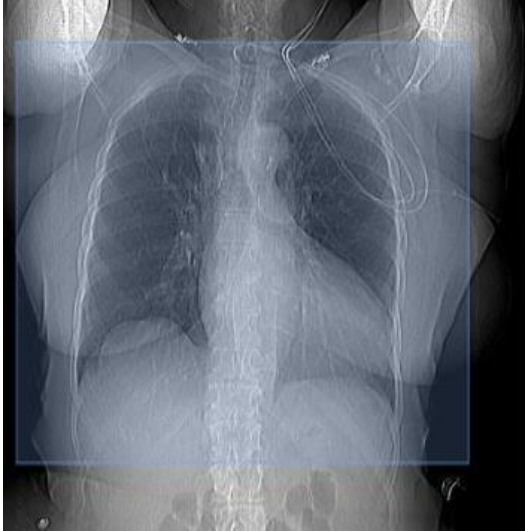


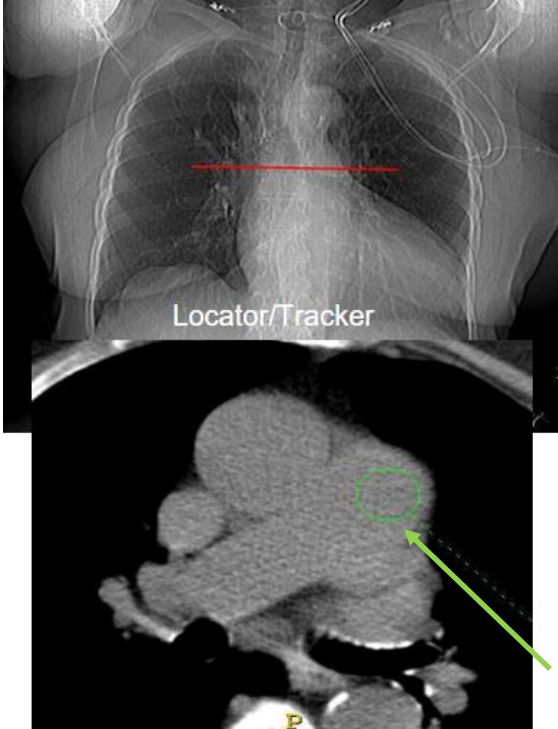
**CTA PE Chest with Contrast**

<b>Position/Landmark</b>	Above lungs through base of lungs.
<b>Scout</b>	
<b>Scan coverage</b>	Entire lungs. Apices of lungs to mid kidney
<b>Respiratory Phase</b>	Inspiration
<b>Scan Type</b>	CTA, helical
<b>IV access</b>	20G or 18G, Antecubital
<b>IV contrast</b>	50mL OMNI 350 @ 4.0 or 5.0mL/sec. - Use preset PE contrast mix injection protocol on injector.
<b>Contrast Delay</b>	Bolus Tracked: Trigger Scan from HU. - Each scanner has a different HU trigger. - Trigger off Pulmonary Artery.
<b>PO Prep</b>	None
<b>Reason for exam</b>	The scan is primarily used as an assessment of pulmonary emboli in the pulmonary arteries.

**Scan Settings – CTA PE Chest with Contrast**

	<b>Siemens SOMATOM Force</b>	<b>Philips iCT/Ingenuity</b>	<b>Canon Aquilion ONE Vision</b>
<b>kV Setting:</b>	CAREkV Ref kV= 100	120	100
<b>mA/mAs/TCM Setting:</b>	CAREDose4D QRM = 120, Dose Savings Slider at 9	DoseRight DRI = 19, Liver Boost +3	SureExposure3D (SD= 13)

<b>Iterative Reconstruction Setting:</b>	Admire Strength 3	iDose 2	AIDR 3D STD
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<b>Scan and Recon Instructions – CTA PE Chest with Contrast</b>	
<b>1.</b>	<p>Position patient feet first supine with arms above head.</p> <ul style="list-style-type: none"> <li>- Give patient breathing instructions. Take a shallow breath or stop breathing when directed, so that there is no pressure on the chest.</li> </ul>
<b>2.</b>	<p>Position tracker level of Carina and place bolus tracker on Pulmonary Artery.</p> <ul style="list-style-type: none"> <li>- 50mL OMNI 350 @ 4.0 or 5.0mL/sec.</li> <li>- Use preset contrast saline mix on injector.</li> </ul> 
<b>3.</b>	<p>Scan top of chest through base of lungs.</p> <ul style="list-style-type: none"> <li>- CTA Axial 3mm x 1.5mm (soft tissue)</li> <li>- Coronal 2mm x 1mm (soft tissue)</li> <li>- Sagittal 2mm x 1mm (soft tissue)</li> <li>- Axial 3mm x 1.5mm (lung)</li> <li>- Coronal 3mm x 1.5mm (lung)</li> <li>- Coronal 5mm x 2.5mm MIP (soft tissue)</li> <li>- Sagittal 5mm x 2.5mm MIP (soft tissue)</li> </ul>