

CTA Chest – Pulmonary Guideline



Indications: Shortness of breath, Chest pain, Elevated D Dimer

Oral Contrast: None

IV Contrast: Yes (See [MRG Contrast Media Administration Policy](#))

Positioning	Supine, feet first
FOV	Patient Size
Axial Reconstruction: Thickness/ Interval/ Algorithm	(1) 1-2mm/1-2mm/Soft (2) 1-2mm/1-2mm/Lung (3) 5mm/5mm/Soft (4) 10mm/5mm/Sharp MIPs
Start Location	Above Lung Apices
End Location	Through entirety of the Lungs
Gantry Angle	None
Reformations: Thickness/ Interval/ Algorithm	(1) Coronal 3mm/3mm/Soft (2) Sagittal 3mm/3mm/Soft (3) RT Pulmonary (Oblique) 3mm/3mm/Soft (4) LT Pulmonary (Oblique) 3mm/3mm/Soft (5) Single 3D reconstruction if possible
Phase of Respiration	Inspiration

Additional information:

- The image sets represent a standard expectation for all CT Pulmonary Angiogram exams/patients
- The technologist may make adjustments to the protocol based on case-specific circumstances (i.e. patient body habitus)
- The technologist should always document reason for deviating from standard protocol
- Do not submit additional image sets unless specifically requested by a radiologist on a case-by-case basis