



## CTA Upper Extremity

<b>Indications</b>	<b>presurgical planning , vascular interventional planning</b>
Patient Position	Supine
Contrast	Contrast amount determined by weight and renal function.
Injection rate	4 ml/ sec using 20 g PIV. Use bolus tracking to trigger the scan from the Aorta at 200 HU.
Respiration	Breath- hold
Scan Parameters	Extremity of interest is placed by the patients side. Other arm should be placed over patients head. PIV should NOT be in the arm of interest.

<b>PLANE</b>	<b>ALGORITHM</b>	<b>THICKNESS</b>	<b>DFOV</b>	
Axial + C	Soft tissue	1 mm x 0.8 mm	40 cm	
Axial + C	Soft tissue	1 mm x 0.8 mm	cone to extremity	Reformats of above
Coronal and Sagittal + C	Soft tissue	10 mm x 5 mm		MIPS

**NOTES:**

- Use at least 22g needle
- Follow GFR and Metformin protocols for contrast studies
- LMP on pts of child-bearing age
- Shield children when possible
- NOT to be used for PTE exam/CT pulmonary angio to r/o PE

Any deviation from protocol MUST be Radiologist approved. Rad Director will be notified if this occurs without prior approval.