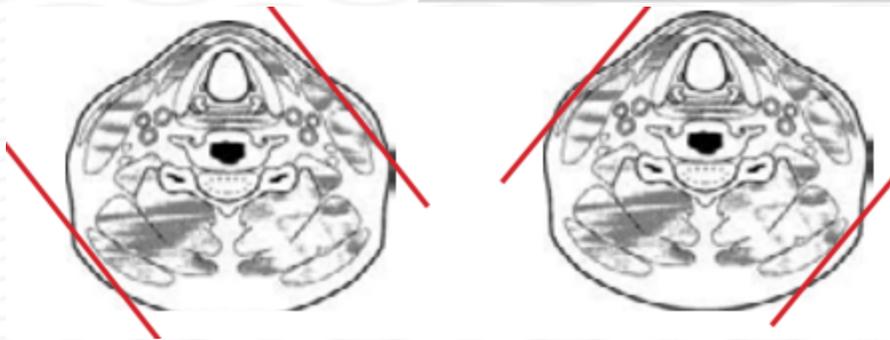


CTA NECK - CAROTIDS



| | |
|------------------|---|
| Indications | Traumatic vascular injuries, Arterial aneurysms or pseudoaneurysms, venous varices, vasculopathy. |
| Patient position | Supine, IOML perpendicular to table |
| Contrast | IV = 100 mL |
| Injection rate | 3.5 mL/sec minimum 20 g prefer 18 g. |
| Injection site | PREFER IV IN RIGHT ARM |
| Respiration | Breath hold - no swallowing |
| Scan parameters | Above Sella turcica through aortic arch. |
| | ROI in arch |
| NOTE | Non contrast scan of the neck is NO longer required (change as of Sept 10, 2020) |



| PLANE | ALGORITHM | THICKNESS | DFOV | |
|------------------------|-------------|------------------------------------|------|---|
| Axial + C | Soft tissue | 3.0 mm x 1.5 mm | | No greater than 3 mm |
| Coronal & Sagittal + C | Soft tissue | 1.0 mm - 1.5 mm x 0.5 - 0.75 mm | | MPR Reformats |
| R and L OBLIQUE + C | Soft tissue | 1.0 mm - 1.5 mm x 0.5 - 0.75 mm | | MIP reformat each oblique angled to carotid bulb. |

NOTES:

- LMP on pts of child-bearing age
- Shield children when possible
- Follow GFR and metformin protocol for contrast studies

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