# CTA Abd/Pelvis Post Endo 16Sensation

| | | | | | |
|---|---|---|---|---|---|
| **Indications** | Mesenteric Ischemia, Acute GI bleed, Post-Endograft or Vascular Surgery | | | | |
| **Diagnostic Task** | Detect aneurysms, aortic dissections | | | | |
| **Scan mode** | Helical | | | | |
| **Position/Landmark** | Head or feet first-Supine inspiration | | | | |
| **Topogram** | AP 50mA 120kV | | | | |
| **kVp/Reference mass** | 120kv 200mas/Care Dose ON/100kv if pt under 140lbs | | | | |
| **Rotation time/pitch** | 0.5/pitch 1.0 | | | | |
| **Detector Configuration** | 16x0.75 | | | | |
| **Table Speed/Increment** | 12 | | | | |
| **Dose reduction** | CareDose 4D | | | | |
| **Allowed CTDI ranges*** | 7mGy-50mGy | | | | |
| **XR29 Dose Notification value** | 50mGy | | | | |
| **Helical Set 1 NON CONTRAST** | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | Abd/Pelvis | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| **Helical Set 2 ARTERIAL** | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd/pelvis cta | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| | 2 | thin abd/pel | 1mmx.8mm | 31medium smooth | mediastinum | for mpr/TR |
| **Helical Set 2 90sec** | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd/pelvis cta | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| | 2 | thin abd/pel | 1mmx.8mm | 31medium smooth | mediastinum | for mpr |
| **Scan start/End location** | Hepatic dome<br>Symphysis pubis-femoral artery | | | | | |
| **DFOV** | 40cm<br>decrease appropriately | | | | | |
| **3D Technique Used** | 2x2 coronal and sag coronal abd/pel reformats from recon 2 | | | | | |
| | 5x2 oblique coronal and oblique sag aorta MIP from recon 2 | | | | | |
| **IV contrast volume/type** | <200lbs 100ml 200+lbs 125ml isovue 370 4-5ml/sec | | | | | |
| **Scan delay** | Bolus Tracking in aorta T-12 level<br>Trigger is +100HU | | | | | |

| Patient size | weight(kg) | weight(lbs) | CTDIvol(mGy) |
|---|---|---|---|
| SMALL | 50-70 | 110-155 | 4-10 |
| AVERAGE | 70-90 | 155-200 | 8-16 |
| LARGE | 90-120 | 200-265 | 14-22 |

NOTE*

*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.

Revision Date 3-22-2018
Approved by Dr Verdini