

ROUTINE PELVIS 16 Sensation

| | | | | | | | |
|-------------------------------------|--|-------------|-------------------|-----------------|-------------|-------------------|--------------|
| Indications | For pelvic pain, lymphoma, bloating, bladder cancer | | | | | | |
| Diagnostic Task | Detect masses, diverticulitis, free fluid, appendicitis, abscess, obstruction | | | | | | |
| Scan mode | Helical | | | | | | |
| Position/Landmark | 2cm superior to xiphoid/Inspiration | | | | | | |
| Topogram | AP 50mA 120kV | | | | | | |
| kVp/Reference mass | 120kv 200mas/100kv if pt under 140lbs | | | | | | |
| Rotation time/pitch | 0.5/1.0 | | | | | | |
| Detector Configuration | 16x0.75 | | | | | | |
| Table Speed/Increment | 12 | | | | | | |
| Dose reduction | CareDose 4D | | | | | | |
| Allowed CTDI ranges* | 7mGy-50mGy | | | | | | |
| XR29 Dose Notification value | 50mGy | | | | | | |
| Helical Set | recon | body part | thickness spacing | kernel | window | recon destination | |
| | 1 | pelvis | 2mmx 2mm | 31medium smooth | mediastinum | pac | |
| | 2 | thin pelvis | 1mmx.8mm | 31medium smooth | mediastinum | for mpr | |
| Scan Start/end location | 1cm superior to the crest 5cm below lesser trochanters | | | | | | |
| DFOV | 40cm decrease appropriately | | | | | | |
| 3D Technique Used | 2x2 coronal and sag pelvis reformats from recon both recon # 2 | | | | | | |
| IV contrast volume/type | 75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 2.5-3cc/sec | | | | | | |
| | Performed as directed by the supervising radiologist | | | | | | |
| Scan delay | 70 seconds | | | | | | |
| | WITH IV AND ORAL CONTRAST | | | | | | |
| | Approximate Values for CTDIvol | | | | | | |
| | Patient size | weight(kg) | weight(lbs) | | | | CTDIvol(mGy) |
| | SMALL | 50-70 | 110-155 | | | | 10-17 |
| | AVERAGE | 70-90 | 155-200 | | | | 15-25 |
| | LARGE | 90-120 | 200-265 | | | | 22-35 |
| 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. | | | | | | |

