

Pancreas 3 phase 64 Sensation

| | | | | | | |
|--------------------------------|--|-----------------|-------------------|-----------------|-------------|-------------------|
| Indications | For acute pancreatitis, pancreatic mass, pancreatic mass ordered by GI or other subspecialist | | | | | |
| Diagnostic Task | Detect masses, abscess | | | | | |
| 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 | 0.5/0.8 | | | | | |
| Detector Configuration | 24x1.2 | | | | | |
| Table Speed/Increment | 23.04 | | | | | |
| Dose reduction | CareDose 4D | | | | | |
| Allowed CTDI ranges* | 7mGy-50mGy | | | | | |
| XR29 Dose Notification value | 50mGy | | | | | |
| Helical Set #1 non con | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| Helical Set #2 40 sec delay | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| | 2 | coronal abdomen | 2mmx2mm | 31medium smooth | mediastinum | pacs |
| | 3 | sag abdomen | 2mmx2mm | 31medium smooth | mediastinum | pacs |
| Helical Set #3 70sec | recon | body part | thickness spacing | kernel | window | recon destination |
| | 1 | abd | 2mmx 2mm | 31medium smooth | mediastinum | pacs |
| | 2 | coronal abdomen | 2mmx2mm | 31medium smooth | mediastinum | pacs |
| | 3 | sag abdomen | 2mmx2mm | 31medium smooth | mediastinum | pacs |
| Scan start/end location | 1cm superior to diaphragm | | | | | |
| for both helical sets | iliac crest | | | | | |
| DFOV | 40cm decrease appropriately | | | | | |
| IV contrast volume/rate | 75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec | | | | | |
| | Performed as directed by a supervising radiologist | | | | | |
| Scan delay | non-con/40sec-arterial/ 70sec-venous | | | | | |
| | WITH WATER PREP AND IV 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. | | | | | |

