

# Pancreas 3 phase+Pevlis 64 Sensation

|                                       |                                                                                                                                                                                                                                                                                                                                                  |                 |                   |                 |             |                   |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|-----------------|-------------|-------------------|
| <b>Indications</b>                    | For acute pancreatitis, pancreatic mass, pancreatic mass ordered by GI or other subspecialist                                                                                                                                                                                                                                                    |                 |                   |                 |             |                   |
| <b>Diagnostic Task</b>                | Detect masses, abscess                                                                                                                                                                                                                                                                                                                           |                 |                   |                 |             |                   |
| <b>Scan mode</b>                      | Helical                                                                                                                                                                                                                                                                                                                                          |                 |                   |                 |             |                   |
| <b>Position/Landmark</b>              | 2cm superior to xiphoid/Inspiration                                                                                                                                                                                                                                                                                                              |                 |                   |                 |             |                   |
| <b>Topogram</b>                       | AP 50mA 120kV                                                                                                                                                                                                                                                                                                                                    |                 |                   |                 |             |                   |
| <b>kVp/Reference mass</b>             | 120kv 200mas/100kv if pt under 140lbs                                                                                                                                                                                                                                                                                                            |                 |                   |                 |             |                   |
| <b>Rotation time/pitch</b>            | 0.5/0.8                                                                                                                                                                                                                                                                                                                                          |                 |                   |                 |             |                   |
| <b>Detector Configuration</b>         | 24x1.2                                                                                                                                                                                                                                                                                                                                           |                 |                   |                 |             |                   |
| <b>Table Speed/Increment</b>          | 23.04                                                                                                                                                                                                                                                                                                                                            |                 |                   |                 |             |                   |
| <b>Dose reduction</b>                 | CareDose 4D                                                                                                                                                                                                                                                                                                                                      |                 |                   |                 |             |                   |
| <b>Allowed CTDI ranges*</b>           | 7mGy-50mGy                                                                                                                                                                                                                                                                                                                                       |                 |                   |                 |             |                   |
| <b>XR29 Dose Notification value</b>   | 50mGy                                                                                                                                                                                                                                                                                                                                            |                 |                   |                 |             |                   |
| <b>Helical Set #1</b><br>non con      | recon                                                                                                                                                                                                                                                                                                                                            | body part       | thickness spacing | kernel          | window      | recon destination |
|                                       | 1                                                                                                                                                                                                                                                                                                                                                | abd             | 2mmx 2mm          | 31medium smooth | mediastinum | pacs              |
| <b>Helical Set #2</b><br>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              |
| <b>Helical Set #3</b><br>70sec        | recon                                                                                                                                                                                                                                                                                                                                            | body part       | thickness spacing | kernel          | window      | recon destination |
|                                       | 1                                                                                                                                                                                                                                                                                                                                                | abd/pelvis      | 2mmx 2mm          | 31medium smooth | mediastinum | pacs              |
|                                       | 2                                                                                                                                                                                                                                                                                                                                                | coronal abdomen | 2mmx2mm           | 31medium smooth | mediastinum | pacs              |
|                                       | 3                                                                                                                                                                                                                                                                                                                                                | sag abdomen     | 2mmx2mm           | 31medium smooth | mediastinum | pacs              |
| <b>Scan start all sets</b>            | 1cm superior to diaphragm                                                                                                                                                                                                                                                                                                                        |                 |                   |                 |             |                   |
| <b>end location</b>                   | NC-40sec iliac crest// 70sec through lesser trochanters                                                                                                                                                                                                                                                                                          |                 |                   |                 |             |                   |
| <b>DFOV</b>                           | 40cm decrease appropriately                                                                                                                                                                                                                                                                                                                      |                 |                   |                 |             |                   |
| <b>IV contrast volume/rate</b>        | 75ml < 200lbs, 100ml 200-250lbs, 125ml>250lbs isovue 370 4cc/sec                                                                                                                                                                                                                                                                                 |                 |                   |                 |             |                   |
|                                       | Performed as directed by a supervising radiologist                                                                                                                                                                                                                                                                                               |                 |                   |                 |             |                   |
| <b>Scan delay</b>                     | 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           |             |                   |
| <b>NOTE*</b>                          | *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. |                 |                   |                 |             |                   |

