

CAP Pancreas

Siemens 16 Slice

| | |
|--|-------------------------------------|
| Application Examples: pancreatic tumor | |
| Oral Contrast | Yes-Routine Omnipaque oral contrast |
| IV Contrast / Volume | 125 ml Omnipaque 350 |
| Injection Rate | 3 ml / sec |

Technical Factors

| | |
|------------------------------------|------------------------|
| Care Bolus ROI Location / HU | N/A |
| Monitoring Delay | N/A |
| Cycle Time | N/A |
| Scan Delay | 40 seconds |
| Breath Hold | Inspiration |
| Scan Type | Spiral |
| Detector Collimator | Acq 16 x 0.6 mm |
| kV / mAs / Rotation Time (seconds) | 130 kV / 155 mAs / 0.6 |
| Care Dose 4D | On |
| Pitch | 0.8 |
| Typical CTDIvol | 19.26 mGy± 50% |

Topogram: AP, 768 mm

| Pancreas | Width / Increment | Kernel | Window | Series Description | Networking |
|----------|-------------------|--------|----------|------------------------|----------------|
| Recon 1 | 3 x 1.5 | B30s | Abdomen | PANCREAS AXIAL | PACS |
| Recon 2 | 1.0 x 0.5 | B20s | CT Angio | AXIAL 1.0 x 0.5 SMOOTH | PACS/TeraRecon |

| CAP | Width / Increment | Kernel | Window | Series Description | Networking |
|---------|-------------------|--------|-------------|----------------------|---------------|
| Recon 1 | 5 x 5 | B30s | Mediastinum | AXIAL | PACS |
| Recon 2 | 2 x 2 | B70s | Lung | AXIAL LUNG | PACS |
| Recon 3 | 1.5 x 0.7 | B30s | Mediastinum | AXIAL 1.5 X 0.7 STND | MPR/TeraRecon |

This protocol is used for evaluating pancreatic masses.

Patient Position: Patient lying supine with arms above head.

Scan Instructions: First, scan pancreas using a 40 second scan delay which will image the pancreas in a late arterial phase. The pancreas is located between mid T12 and bottom of L3. Then, scan entire CAP in portal venous phase at approximately 65 seconds from the start of injection—adjust series 2 scan delay accordingly.

Scan Range: Series 1— pancreas only. Series 2— CAP.

Recons: Adjust FoV to fit body contour.

Reformations: Coronal & sagittal MPRs from PV phase. Axial MIP of lungs only.

| Series: CAP | Reformat Type | Width / Increment | Window | Series Description | Networking |
|-------------|---------------|-------------------|-------------|--------------------|------------|
| Recon 3 | Coronal MPR | 3 x 3 | Mediastinum | COR | PACS |
| Recon 3 | Sagittal MPR | 3 x 3 | Mediastinum | SAG | PACS |
| Recon 3 | Axial MIP | 8 x 5 | Lung | AXIAL MIP | PACS |

3D: Upon request, CPR views—see post processing protocol.