

ABDOMEN / PELVIS PV DATA 38 DOSES

Age
Category

Adult

Body
Region

Abdomen, pelvis

Modality

CT

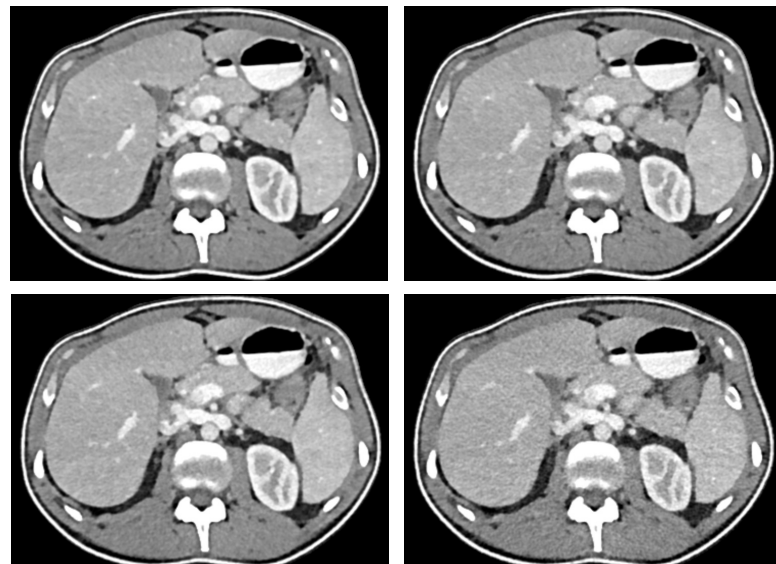
Diagnostic
FeaturesLymph node
masses

Phantom: Abdomen / pelvis phantom pv
(SKU 55-01)

This data set comprises 154,128 axial images of abdomen / pelvis phantom 55-01 acquired with a Siemens NAEOTOM Alpha photon-counting CT scanner.

The data is organized in 228 series with 38 doses from 0.6 to 27.6 mGy and two reconstruction kernels: Br40f and Qr40f. Each series is available with a slice thickness of 0.4 mm, 0.6 mm and 1 mm.

The data provides comprehensive coverage of anatomy and pathology (right side external iliac lymph node masses) across various doses and reconstruction methods, all acquired on a state-of-the-art photon-counting CT scanner.



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Specifications

Scanner:	Siemens NAEOTOM Alpha
Size (GB):	76,29
Number of images:	154,128
Number of series:	228
Repetitions per series:	1
Images per series:	385, 616, 1027
Image plane:	axial
Tube voltage (kVp):	120
CTDI (mGy):	0.6, 0.8, 1.2, 1.6, 2.0, 2.4, 2.8, 3.2, 3.6, 3.9, 4.3, 4.7, 5.1, 5.5, 5.9, 6.3, 6.7, 7.1, 7.5, 7.9, 8.3, 8.7, 9.1, 9.5, 9.9, 10.3, 10.6, 11.0, 11.4, 11.8, 13.8, 15.8, 17.8, 19.7, 21.7, 23.7, 25.7, 27.6
Tube current (mA):	11, 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96, 104, 112, 120, 128, 136, 144, 152, 160, 168, 176, 184, 192, 200, 208, 216, 224, 231, 239, 279, 319, 359, 399, 440, 480, 520, 560
Rotation time (s):	0.625
Slice thickness (mm):	0.4, 0.6, 1
Slice increment (mm):	0.3, 0.5, 0.8
Kernel types:	Soft tissue
Reconstruction kernels:	Br40f, Qr40f

For more information visit
www.phantomx.de