

ABDOMEN LOW CONTRAST-SPHERES DATA 38 DOSES

Age
Category

Adult

Body
Region

Abdomen

Modality

CT

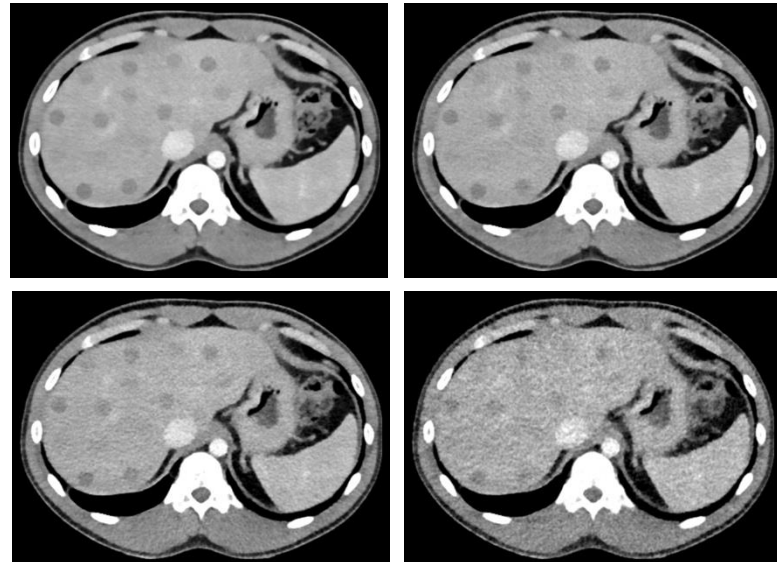
Diagnostic
FeaturesMasses, Spherical
lesions

Phantom: Abdomen phantom pv LC
spheres (SKU 53-03)

This data set comprises 104,286 axial images of abdomen phantom 53-03 acquired with a Siemens NAEOTOM Alpha photon-counting CT scanner.

The data is organized in 228 series with 38 doses from 0.8 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 offers comprehensive coverage of anatomy and pathology (masses and spherical lesions) 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):	86,23
Number of images:	104,286
Number of series:	228
Repetitions per series:	1
Images per series:	191, 382, 764
Image plane:	axial
Tube voltage (kVp):	120
CTDI (mGy):	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, 10.2, 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):	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, 360, 400, 440, 480, 519, 559
Rotation time (s):	0.625
Slice thickness (mm):	0.4, 0.6, 1
Slice increment (mm):	0.2, 0.4, 0.8
Kernel types:	Soft tissue
Reconstruction kernels:	Br40f, Qr40f

For more information visit
www.phantomx.de