

ABDOMEN PV LIVER METASTASES

DATA 38 DOSES

Age
Category

Adult

Body
Region

Abdomen

Modality

CT

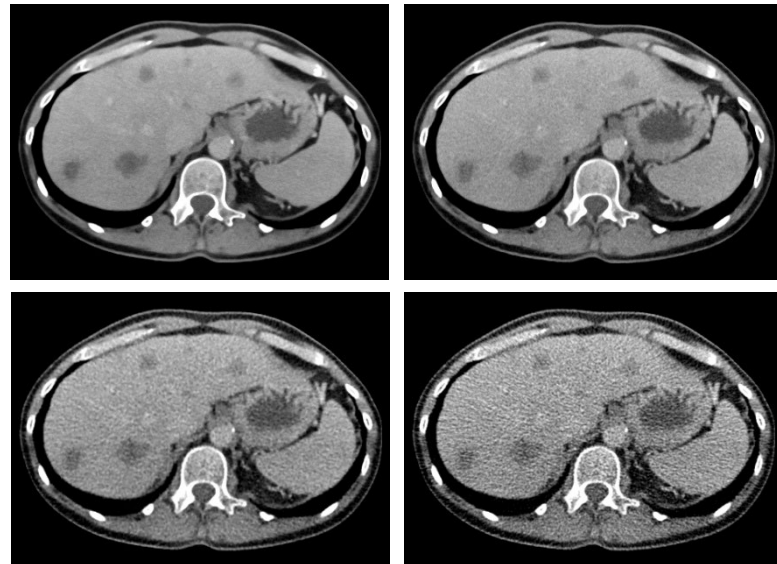
Diagnostic
FeaturesPancreatic mass,
Liver metastases

Phantom: Abdomen phantom pv liver
metastases (SKU 53-09)

This dataset comprises 33,440 axial images of abdomen phantom 53-09 acquired with a Canon Aquilion ONE scanner.

The data is organized in 190 series with 38 doses from 0.3 to 25.5 mGy and five reconstruction methods: Filtered back projection (FBP), standard hybrid iterative reconstruction (AIDR 3D), and deep-learning reconstruction (AiCE). FBP and AIDR 3D images come with two kernels (FC08 and FC13). One acquisition of each series is included.

The dataset provides comprehensive coverage of anatomy and pathology (metastases and pancreatic cancer) across various doses and reconstruction methods in state-of-the-art CT imaging.



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Specifications

Scanner:	Canon Aquilion ONE
Size (GB):	16,4
Number of images:	33440
Number of series:	190
Repetitions per series:	1
Images per series:	176
Image plane:	axial
Tube voltage (kVp):	120
CTDI (mGy):	0.3, 0.7, 1.0, 1.4, 1.7, 2.1, 2.4, 2.8, 3.1, 3.5, 3.8, 4.2, 4.5, 4.9, 5.2, 5.6, 5.9, 6.3, 6.6, 7.0, 7.3, 7.7, 8.0, 8.4, 8.7, 9.1, 9.4, 9.8, 10.1, 10.5, 12.2, 14.6, 16.4, 18.2, 20.0, 21.9, 23.7, 25.5
Tube current (mA):	10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 350, 400, 450, 500, 550, 600, 650, 700
Rotation time (s):	0.5
Slice thickness (mm):	1
Slice increment (mm):	0.8
Kernel types:	Soft tissue
Image reconstruction:	FBP, AIDR 3D, AiCE

For more information visit
www.phantomx.de