GAMMEX
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peo MEDICAL

Mercury 4.0 Phantom

Advanced CT Performance Assessment

Now it's easy to characterize advanced CT features that fall outside of your routine QA program. Like Automatic Exposure Control. And Iterative Reconstruction. Plus, you can revamp your traditional tests with new metrics that enable robust and quantitative evaluation.

The Mercury 4.0 Phantom is the latest iteration of the Mercury Phantom, designed at Duke University. It was created to meet the following needs:

- Performance and effectiveness of Automatic Exposure Control / Tube Current Modulation
- Evaluation of image quality for Iterative Reconstruction
- Advanced quantitative metrics that reflect what clinicians see
- Size-dependent image quality evaluation

Features & Benefits

- Collect and analyze data for:
  - Automatic Exposure Control
  - Noise Power Spectrum
  - Modulation Transfer Function
  - Task Transfer Function
  - Detectability (d')
  - Cone-beam artifacts
  - Superior-Inferior resolution
- 5-tiered sections reflect canonical patient sizes
- Includes a stand with a handle and leveling feet, and a wheeled case

Specifications

Material:	Polyethylene
Diameter:	16.0, 21.0, 26.0, 31.0, and 36.0 cm
Length:	52.0 cm
Contrast Materials:	HE CT Solid Water®, Bone Mimicking Material, Polystyrene, 10 mg/mL Iodine, and Air
Resolution Wedge:	HE CT Solid Water®
Software Analysis:	Phantom includes a license for the Duke ImQuest software
Included:	Wheeled Case and Stand

Dx DIAGNOSTIC

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