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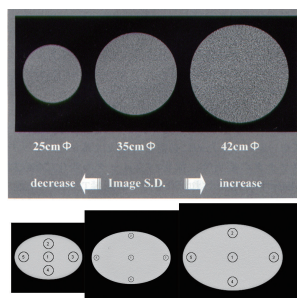
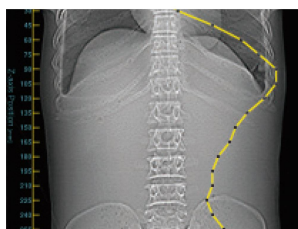
CT-AEC Phantoms

Item No. PH-7
Weight
Brand KYOTO KAGAKU, JAPAN

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SKU:

Categories: Radiology Phantom



Product Description

Four types of phantoms designed to evaluate CT-AEC performance.

Features

1. Image quality can be evaluated by noise and S.D. on the CT-AEC 2. Phantom section images

Training skills / Applications

Size (approx.)

Materials

Optional parts

Related products

Publication references

Update

CT-AEC
dia. 20 cm / dia. 7.9 inch
Acrylic resin
41339-060 Angle adjustment holder for GE / 41339-050 Angle adjustment holder for canon / 41339-090-04 storage case for Variable XY Phantom
PH-7 Cone Phantom
Muramatsu, Y., Ikeda, S., Osawa, K., Sekine, R., Niwa, N., Terada, M., . . . Miyazaki, S. (2007). Performance evaluation for CT-AEC(CT automatic exposure control)systems. Japanese Journal of Radiological Technology, 63(5), 534-545. doi: https://doi.org/10.6009/jjrt.63.534
July 10, 2020

CT-AEC Phantoms (PH-7) — Automatic Exposure Control Performance Evaluation

The CT-AEC Phantoms (Item No. PH-7) by Kyoto Kagaku, Japan are a set of four phantom types specifically designed to evaluate CT-AEC (automatic exposure control) system performance — helping institutions verify their scanner's dose modulation is functioning correctly and consistently.

Four phantom configurations for comprehensive AEC evaluation. [List the specific four phantom types and what each evaluates — confirm from Kyoto Kagaku's product brochure], giving a complete picture of AEC performance across different testing scenarios rather than relying on a single fixed configuration.

Objective, measurable image quality assessment. Image quality can be evaluated by noise and standard deviation (S.D.) on the CT-AEC system, giving technologists and physicists quantifiable data rather than relying on subjective visual comparison alone.

Materials: acrylic resin. **Size:** 20 cm diameter.

Optional parts: angle adjustment holder for GE, angle adjustment holder for Canon, storage case for Variable XY Phantom — letting institutions configure the setup to match their specific scanner brand and testing needs.

Training application: CT-AEC.

Referenced in: Muramatsu, Y., et al. (2007). Performance evaluation for CT-AEC (CT automatic exposure control) systems. Japanese Journal of Radiological Technology, 63(5), 534-545.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorised distributor of Kyoto Kagaku

products in India with over 30 years of experience supplying medical simulators and clinical skills trainers to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: What is CT-AEC testing used for? A: Evaluating the performance of a CT scanner's automatic exposure control system, verifying it correctly modulates radiation dose based on patient size and anatomy.

Q: Are scanner-specific accessories available? A: Yes — optional angle adjustment holders are available specifically for GE and Canon scanners.

Contact us at sem@semtrainers.com or call +91-88495 63724 for pricing and availability.