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Mobile : +91 88495 63724
Mobile 1: +91 98791 03905

Email: sem@semtrainers.com
Website: www.semtrainers.com

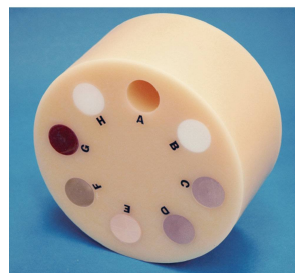
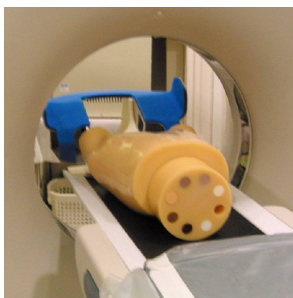
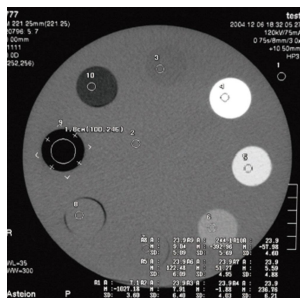
Lung Cancer Screening CT Phantom LSCT001

Item No. PH-8
Weight 18kg
Brand KYOTO KAGAKU, JAPAN

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SKU:

Categories: Radiology Phantom



Product Description

Chest phantom for standardization studies in low dose lung cancer CT screening / Anthropomorphic structure provides life-like images allowing operators visual evaluation

Features

Set includes

Size (approx.)

Packing size (approx.)

Weight (approx.)

Materials

Optional parts

Publication references

ANATOMY

Application

Update

1. Simulated GGO type tumors with different sizes and HU numbers are prepared in the vicinity of three main sections of bilateral lungs 2. Dosimeter holder on the central axis of the phantom allows housing a pencil type ion chamber. 8 step cylindrical linearity phantom to control density curve as a scale can be attached to the chest phantom base.
1 chest phantom / 1 8 step linearity phantom / 2 urethane cylinder / 1 adjustment base / 1 set of sample images / manual
chest girth 93cm□H 45cm
W63 x D50 x H29cm / W24.8 x D19.7 x H11.4in
18kg
Chest wall: human tissue substitute / Bones: synthetic bones / Alveoli: styrene foam and urethane foam
41363-020 Carrying case for PH-1
Muramatsu, Y., Tsuda, Y., Nakamura, Y., Kubo, M., Takayama, T., & Hanai, K. (2003). The Development and Use of a Chest Phantom for Optimizing Scanning Techniques on a Variety of Low-Dose Helical Computed Tomography Devices. Journal of Computer Assisted Tomography, 27(3), 364-374. doi:10.1097/00004728-200305000-00012
Bones / Lungs / Mediastinum / Simulated tumors at three lung areas / Apical portion of the lungs / Bifurcation of the trachea / Base of lungs
CT image quality evaluation / Dosimetry / Evaluation of density curve
July 10, 2020