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Multipurpose Chest Phantom N1 "LUNGMAN"

Item No. PH-1
Weight 18 kg
Brand KYOTO KAGAKU, JAPAN

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SKU:

Categories: Radiology Phantom



Product Description

PH-1 is used in a study by the FDA to create a database of CT scans with different scanners and protocols, as a resource for assessment of lung nodule size estimation method.

Features

Set includes

Size (approx.)

Packing size (approx.)

Weight (approx.)

Packing weight (approx.)

Materials

Replacement parts

Related products

Production ? Development Supervision

Publication references

Update

1. Radiation absorption and HU number approximate to human body, in an arms-abducted position suits the CT.
2. Simulated tumors and other targets can be attached at any points in the lung fields. 3. Wide variety of uses in interpretation training, anatomical education, evaluation and assessment of devices and other research.

(41337-100) 1 chest torso / 15 simulated tumors (15 variations 1 piece each) / 1 set of chest plates / 1 set of sample X-ray data (DVD) / manual (41337-000) 1 chest torso / 15 simulated tumors (15 variations 1 piece each) / 1 set of sample X-ray data (DVD) / manual

W43xH48 cm / W16.9xH18.9 in chest girth: 94 cm / 37 in

(41337-000) W63 x D50 x H29cm / W24.8 x D19.7 x H11.4inch

18kg / 39.6lb

25kg / 55.1lb

Soft tissue: urethane based resin (density: 1.06) /
Synthetic bone: epoxy resin (density: 1.31) / *Phantom has no metal parts or liquid structure

41337-010 Chest Plates for PH-1 / 41363-020 Carrying case for PH-1 / 41337-070 N1 Simulated tumors for PH-1

[PH-1C Pediatric Chest Phantom](#) [PH-8 Lung Cancer Screening CT Phantom](#) [LSCT001 Breast plate for Chest Phantom](#) [N-1 LUNGMAN Pneumonia module for Chest Phantom](#) [N-1 LUNGMAN Components for Radioisotope](#)

Kiyoshi Murata, Professor, Department of Radiology, Shiga Medical University / Norihisa Nitta, Director of Angiography Center, Kyoto Okamoto Memorial Hospital

Xie, X., Zhao, Y., Snijder, R. A., van Ooijen, P. M., de Jong, P. A., Oudkerk, M., ... Greuter, M. J. (2013). Sensitivity and accuracy of volumetry of pulmonary nodules on low-dose 16- and 64-row multi-detector CT: an anthropomorphic phantom study. *European radiology*, 23(1), 139-147. doi:10.1007/s00330-012-2570-7 / Gomi, T., Nakajima, M., Fujiwara, H., Umeda, T. (2011) Comparison of Chest Dual-energy Subtraction Digital Tomosynthesis Imaging and Dual-energy Subtraction Radiography to Detect Simulated Pulmonary Nodules with and without Calcifications. *Academic Radiology*, 18(2), 191-196. doi:10.1016/j.acra.2010.09.021

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