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PH-1 - Chest Phantom N1 "LUNGMAN"

Order code: **4103.PH-1**

Information about product price on demand

Parameters	
Phantoms and simulators	Rentgenové fantomy
Quantitative unit	ks

This is a multipurpose phantom which is applicable for both plain radiography and CT scanning.
The inner components consisting of mediastinum, pulmonary vasculature and an abdomen block are easily detachable, allowing insertion of mimic tumors or other lesions. The unique radiological substitute material and the elaborate three-dimensional modeling of pulmonary

vessels offer the most life-like X-ray and CT images.
A combination of various approaches will enrich the training opportunities.

Multipurpose

Applicable for both plain radiography and CT scanning.
Wide variety of uses in interpretation training, anatomical education, evaluation and assessment of devices and other research.

Accurate anatomy and high quality substitute materials

The phantom is an accurate life-size anatomical model of a human torso.
The thickness of the chest wall is based on measurement of clinical data.
The soft tissue substitute material and synthetic bones have x-ray absorption rates very close to those of human tissues.

X-ray

The phantom provides life-like radiographs very close to actual clinical images. The three-dimensional structure allows both PA and LATERAL images to be obtained. The phantom bones and vessels show life-like contrast gradations on the image along with tube voltages.

Computed tomography

Arms-abducted position of the torso suits the CT scanning. The pulmonary vessels are spatially traceable. Assessment of computer-aided detection systems is possible.

Plain radiography

- Radiograph training
- Interpretation training
- Assessment of tube voltages, films and other devices

Computed tomography

- CT scan training
- Interpretation training
- Assessment of computer-aided detection systems

Set includes:

1 male chest torso

- Main body: synthetic bones are embedded
- Internal parts: separates into four parts
  Mediastinum: heart, trachea
  Pulmonary vessels (right and left)
  Abdomen (diaphragm) block: no internal structure
- 30 simulated tumors (15 variations, 2 pcs each)
- 3 varieties of Hounsfield number: approx -800, -630,+100
- 5 sizes for each type: diameters 3, 5, 8, 10, 12 mm

Materials:

- Soft tissue: polyurethane (gravity 1.06)
- Synthetic bones: epoxy resin

Phantom size:

43 x 40 x 48H cm, chest girth 94 cm
weight: approx.18 kg