

PH-1C | 41337-300

Pediatric Chest Phantom

Dosimetry

CT

X-ray



CHEST PHANTOMS

A phantom representing a five-year-old for practicing and performing imaging and dosimetry



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FEATURES

- | Two types of interchangeable lung inserts are included –lung vascular insert and lung density insert
- | Pencil-shaped ion chamber for CTDI can be set in the mediastinum
- | TLD or RPL dosimeters can be set in the thyroid block and the lung density insert
- | Detachable internal structure allows insertion of variety of pathologies and targets

APPLICATIONS

- | CT
- | Plain X-ray
- | Dosimetry
- | Radiographic interpretation

ANATOMY

Rib, clavicle, spine, mediastinum, scapula, sternum and *pulmonary vessel

*lung vascular insert only

TLD or RPL dosimeters can be set in the thyroid block



DESCRIPTIONS

SET INCLUDES

| | |
|---|------------------------|
| 1 five-year-old chest torso | 1 set of sample images |
| 1 lung vasculature insert: mediastinum with pulmonary vessels | 1 storage case |
| 1 lung density insert: mediastinum, lung fields (L · R) | 1 manual |

MATERIALS

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

SPECIFICATIONS

Phantom size:
 32 x 17 x 38 cm
 12.6 x 6.7 x 15 in
 Phantom weight:
 6 kg / 13.3 lb

Packing size:
 W51 x D43 x H45 cm
 W20 x D17 x 17.7 in
 Packing weight:
 14 kg / 30 lb