

PH-2C | 41350-300

Pediatric Whole Body Phantom "PBU-70"



**This phantom is easy to position, and provides complete bone images for every joint
Represents a five-year-old**



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FEATURES

- | Radiology absorption and HU number approximate to human body
- | Main joints have close-to human articulation
- | Phantom can be disassembled into 10 individual parts

APPLICATIONS

- | Plain X-ray
- | CT
- | Basic patient positioning

ANATOMY

Bony Structure

skull/ spine/ clavicles/ scapulae/ ribs/ sternum/ coxal bones/ humerus/ antebrachial bone/ bones of hand/ femur/ patella/lower leg bone / bones of foot

Internal organs

lung with pulmonary vessels/ trachea (up to primary bronchi)/ heart/ liver with portal and hepatic veins

HU numbers of each organ:

- liver 70
- kidney 30

DESCRIPTIONS

SET INCLUDES

1 pediatric whole body phantom	1 screwdriver
1 head supporter	1 set of sample X-ray data (DVD)
1 hand fixture belt	1 manual

MATERIALS

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

SPECIFICATIONS

Phantom height: 110 cm 43.3 in	Packing size: W86 x D60 x H32 cm W33.8 x D23.6 x H12.6 in
Phantom weight: 20 kg/ 44 lb	

OPTIONAL PARTS

41363-080	storage case for PH-2C/ 2D
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PUBLICATION REFERENCES Marcus Soderberg, Sonny La. Evaluation of adaptation strengths of CARE Dose 4D in pediatric CT. SPIE Medical Imaging, February 2013: 9-14.
Read more: <http://dx.doi.org/10.1117/12.2001694>