

PH-2C | 41350-300

Pediatric Whole Body Phantom "PBU-70"



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



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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

HU numbers of each organ:

liver 70
kidney 30

Internal organs

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

Position of Hands and feet

left foot : plantar flexion
right foot : dorsiflexion
left hand : aligned fingers
right hand : spread fingers

DESCRIPTIONS

SET INCLUDES

- 1 pediatric whole body phantom
- 1 hand fixture belt
- 1 screwdriver

SPECIFICATIONS

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

MATERIALS

Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)
Skull: epoxy resin (density: 1.11)
*Phantom has no metal parts or liquid structure

OPTIONAL PARTS

41363-080 storage case for PH-2C / 2D

PUBLICATION REFERENCES Söderberg, M., & La, S. (2013). Evaluation of adaptation strengths of CARE Dose 4D in pediatric CT. SPIE Medical Imaging, 9-14. doi:10.1117/12.2001694