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Pediatric Whole Body Phantom "PBU-70"

Item No. PH-2C
Weight 20 kg
Brand KYOTO KAGAKU, JAPAN

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SKU:

Categories: Radiology Phantom



Product Description

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

Features

1. Radiology Absorption and HU number approximate to human body.
2. Main joints have close-to human articulation.
3. Phantom can be disassembled into 10 individual parts

Training skills / Applications

Set includes

Height (approx.)

Packing size (approx.)

Weight (approx.)

Packing weight (approx.)

Materials

Replacement parts

Related products

Publication references

Anatomy

Update

Plain X-ray / CT /Basic patient positioning
1 pediatric whole body phantom / 1 head supporter / 1 hand fixture belt / 1 screw driver / 1 set of sample X-ray data(DVD) / manual
110cm / 43.3inch
W86 x D60 x H32cm / W33.9 x D23.6 x H12.6inch
20kg / 44lb
25kg /49lb
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
41363-080 storage case for PH2C/2D
PH-2D Bone Fracture Pediatric Phantom PBU-70B PH-50B Newborn Whole Boday Phantom "PBU-80" PH-2 Whole Boday Phantom "PBU-50" PH-2B CT Whole Body Phantom "PBU-60" CT Whole Body Phantom with Pathologies
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
skull / spine/ clavicles / scapulae / ribs / sternum / coxal bones / humerus / antebrachial bone / bones of hand / femur / patella / lower leg bone / bones of foot
July 28, 2020

Why Choose the Pediatric Whole Body Phantom "PBU-70" for Pediatric X-Ray and CT Positioning Training in India?

The Pediatric Whole Body Phantom PBU-70 (Item No. PH-2C, Brand: Kyoto Kagaku, Japan) represents a five-year-old child, designed for easy positioning and complete bone imaging at every joint. Radiation absorption and HU values closely approximate the human body, and main joints feature close-to-human articulation for realistic positioning practice. The phantom disassembles into 10 individual parts for detailed study and handling training. The phantom has no metal parts or liquid structure.

Training applications:

- Plain X-ray
- CT
- Basic patient positioning

Anatomy represented: Skull, spine, clavicles, scapulae, ribs, sternum, coxal bones, humerus, antebrachial bones, bones of the hand, femur, patella, lower leg bones, bones of the foot.

Set includes: 1 pediatric whole body phantom, 1 head supporter, 1 hand fixture belt, 1 screwdriver, sample X-ray data set (DVD), manual.

Specifications:

- Height approx. 110cm (43.3in)
- Packing size approx. W86×D60×H32cm (W33.9×D23.6×H12.6in)
- Weight approx. 20kg (44lb)
- Packing weight approx. 25kg (49lb)
- Materials: Soft tissue — urethane-based resin (density 1.06); synthetic bone — epoxy resin (density 1.31); skull — epoxy resin (density 1.11)

Replacement parts: Storage case for PH-2C/2D (41363-080).

Backed by published research: This phantom's application in pediatric CT dose evaluation is referenced in Söderberg & La (2013), "Evaluation of adaptation strengths of CARE Dose 4D in pediatric CT," SPIE Medical Imaging.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of Kyoto Kagaku products in India with over 30 years of experience supplying pediatric imaging and positioning training phantoms to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: Can this phantom be disassembled for detailed joint study? A: Yes — it separates into 10 individual parts, with main joints featuring close-to-human articulation for realistic positioning practice.

Q: How do I order from SEM Trainers? A: Contact us at sem@semtrainers.com or call +91-88495 63724 for pricing and availability.