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PH-2B - Whole Body Phantom PBU-60

Order code: 4103.PH-2B



Information about product price on demand

Parameters

Phantoms and simulators

Rentgenové fantomy

Quantitative unit

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A unique, life size whole body phantom for CT provides a variety of educational application as well as visual evaluation in finding out optimal scanning conditions. The phantom can also be used for plain X-ray, showing life-like images. No metal parts or liquid structure are used.

Main joints have close-to human articulation, allowing various positioning for training. The phantom can be disassembled into 10 parts. Improved shoulder joint system enables PBU-60 to take arm-up position. Organs are anatomically correct and have appropriate HU numbers.

Features

Patient positioning:

Shoulders: rotate through a full 360 degrees in the sagittal plane, approx. 180 degrees to side-ways.

Hip joints: rotate forward up to approx. 90 degrees, then abduct up to 45 degrees each.

Knees: bend up to approx. 90 degrees.

Elbows: bend up to approx. 90 degrees.

- The phantom can be held in the supine frog leg position.
- The limbs and head are detachable at joints and neck for wider applications.
- The head supporter facilitates various head positions.

Internal organs: head and trunk

- Synthetic skull
- Cervical vertebrae
- Brain
- Vertebrae
- Clavicles
- Ribs
- Sternum
- Scapula
- Coxal bones
- Femurs
- Lungs with pulmonary vessels
- Trachea
- liver with portal and hepatic veins
- Pancreas
- Kidneys
- Gallbladder
- Spleen
- Aorta
- Cava
- Ureter
- Urinary bladder
- Prostate
- Rectum
- Sigmoid Colon

Original phantom materials:

- Radiology absorption and Hounsfield number approximate to human body.

Materials and features:

- Soft tissue and organs: Urethane base resin (SZ-50)
- Synthetic bones: Epoxy base resin
- Joint attachments: Epoxy, urethane with carbon fiber
- Screws: Polycarbonate

Set includes:

- 1 whole body phantom PBU-60 (separable into 10 parts) - Synthetic skull, Cervical vertebrae, Brain, Vertebrae, Clavicles, Ribs, Sternum, Scapula, Coxal bones, Femurs, Lungs with pulmonary vessels, Trachea, liver with portal and hepatic veins, Kidneys, Gallbladder, Spleen, Aorta, Cava, Ureter, Urinary bladder, Prostate, Rectum, Sigmoid Colon are embedded.
- 1 head supporter
- 1 set of replacement joint connectors and screws (1 piece for each)
- 1 flat head screwdriver
- 1 set of sample X-ray films

Phantom size:

- Approx. 165 cm height

Phantom weight:

- Approx. 50 kg