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. Improved shoulder joint system to take arm-up position.

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

Elbows: bend up to approx. 90 degrees.

Knees: bend up to approx. 90 degrees.

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

Materials and features:

- Soft tissue and organs: Synthetic base resin (SZ-50)
- Synthetic skull
- Synthetic bones: Epoxy base resin
- Joint attachments: Epoxy, urethane with carbon fiber
- Screws: Poly carbonate
- Synthetic skin
- Incorporation Achieved Anatomy: Whole Body CT

Materials and features:

Soft tissue and organs:

- Internal Organs
  - Head: Synthesized skull
  - Cervical vertebrae
  - Brain: Cranial bones, Brainstem, Meninges, Brain
  - Temporal bones
  - Gas tubes
  - Ears
  - Arteries with contrast medium
  - Teeth: Arteries with contrast medium (left half only)

Internal Organs

Trunk:
- Vertebrae: Cervical, Thoracic, Lumbar
- Rib Cage
- Sternum
- Scapula
- Shoulder joints
- Elbows: Bend up to approx. 90 degrees.
- Knees: Bend up to approx. 90 degrees.
- Hip joints: Rotate forward up to approx. 90 degrees, then abduct up to 45 degrees each.

Materials and features:

- Soft tissue: Epoxy, urethane with carbon fiber
- Screws: Poly carbonate

Full internal organs for CT scanning with appropriate HU numbers.

Incorporated Anatomy

Internal Organs

Head
- Synthesized skull
- Cranial vertebrae
- Brain: Cranial bones, Brainstem, Meninges, Brain
- Temporal bones
- Gas tubes
- Ears
- Arteries with contrast medium
- Teeth: Arteries with contrast medium (left half only)

Internal Organs

Trunk
- Vertebrae: Cervical, Thoracic, Lumbar
- Rib Cage
- Sternum
- Scapula
- Shoulder joints
- Elbows: Bend up to approx. 90 degrees.
- Knees: Bend up to approx. 90 degrees.
- Hip joints: Rotate forward up to approx. 90 degrees, then abduct up to 45 degrees each.

Materials and features:

- Soft tissue: Epoxy, urethane with carbon fiber
- Screws: Poly carbonate

Full internal organs for CT scanning with appropriate HU numbers.