PH-3 Angiographic CT Head Phantom ACS

Simulated arteries for CT scanning with contrast medium (41309-100)
Simulated arteries for Angiography scanning with contrast medium (41309-200)

● Specifications
  a. CT head phantom ................................. 1
    Life-size adult phantom
    weight: 6.5kg
    height: approx. 33cm
    material: Urethane base resin (SZ-50), Epoxy base resin
  
Sample X-ray images ................................. 1
Carrying case ......................................... 1
Instruction manual ................................. 1

● Introduction
  • This ACS head phantom is designed for image evaluation in CT angiography scanning and can be used as an educational tool for medical image interpretation.
  • Two kinds of head phantoms with different density of arteries are available:
    • CT type (41309-100) / Angiography type (41309-200).

● Features
  • The head phantom includes a synthetic skull, cervical vertebrae (C1-C7), brain and arteries, along with arteries with contrast medium embedded in the left half of the head.
  • Simulated arteries cover left anterior cerebral arteries and middle cerebral artery.
  • Diameters of simulated arteries range from approx. 0.5 mm to 4.0 mm.
  • State-of-the-art synthetic skull. (Substantia spongiosa is not reproduced.)

● CAUTION

● Handle with care
  The models consist of special compositions of resin. Please handle them with the utmost care at all times.

● Even if color on its surface might be changed across the ages, this does not affect the guilty of its performance.

● Storage
  Store model at room temperature, away from shock, heat, moisture and direct sunlight.

● Don’t mark on the models with pen or leave any printed materials in contact with their surface. Ink marks on the models are not removable.

For inquiries and service, please contact your distributor or KYOTO KAGAKU CO., LTD.

KYOTO KAGAKU CONTACT & ORDERING INFORMATION

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Specifications

- **Middle cerebral artery**
- **Anterior cerebral artery**

### Specifications

- **A synthetic skull**
  - Skull bones / Cervical vertebrae (C1-C7)
  - Epoxy base resin

- **Soft tissue**
  - Urethane base resin (SZ-50)

- **Simulated arteries with contrast medium**
  - Left anterior cerebral arteries
  - Left middle cerebral arteries
  - Internal carotid artery
  - Diameters of simulated 0.5~4.0 mm
  - Arrangement of both arteries of CT type and Angiography type are the same.

### Artery density

- **CT scanning**: Hounsfield about 280 ※1
- **Angiography scanning**: Hounsfield 4700 ※2

### Hounsfield

- **Soft tissue**: 0
- **Cerebrum**: 40
- **Mesencephalon**: 40
- **Cerebellum**: 40
- **Cerebral ventricles**: 10
- **Eye balls**: 20

※1 and ※2 are the measurement value of the blood vessel materials.
※3 is the value of calculation value.