

## 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

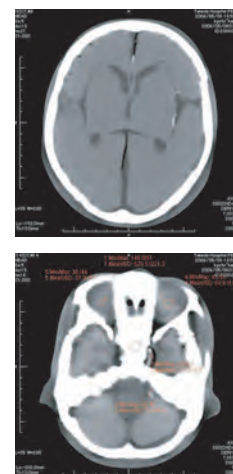
#### a. CT head phantom ..... 1

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 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 consists 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.  
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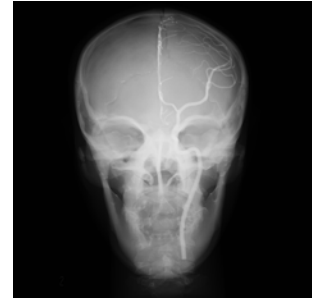
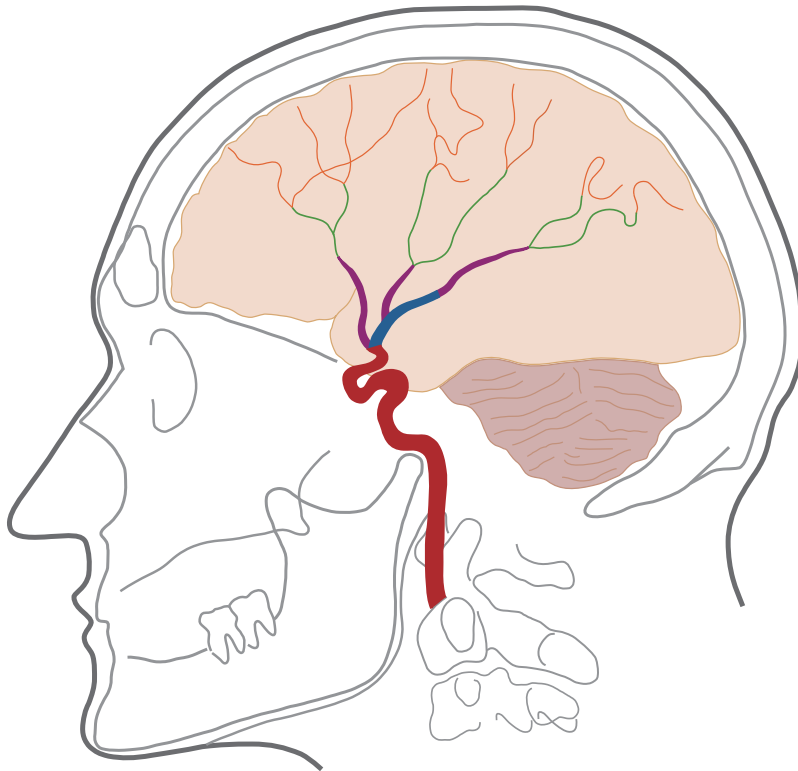
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# Specifications

## ◆ Middle cerebral artery



### ● Arteries range

	3~4 φ
	2 φ
	1.5 φ
	1 φ
	0.5 φ

## ● 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.

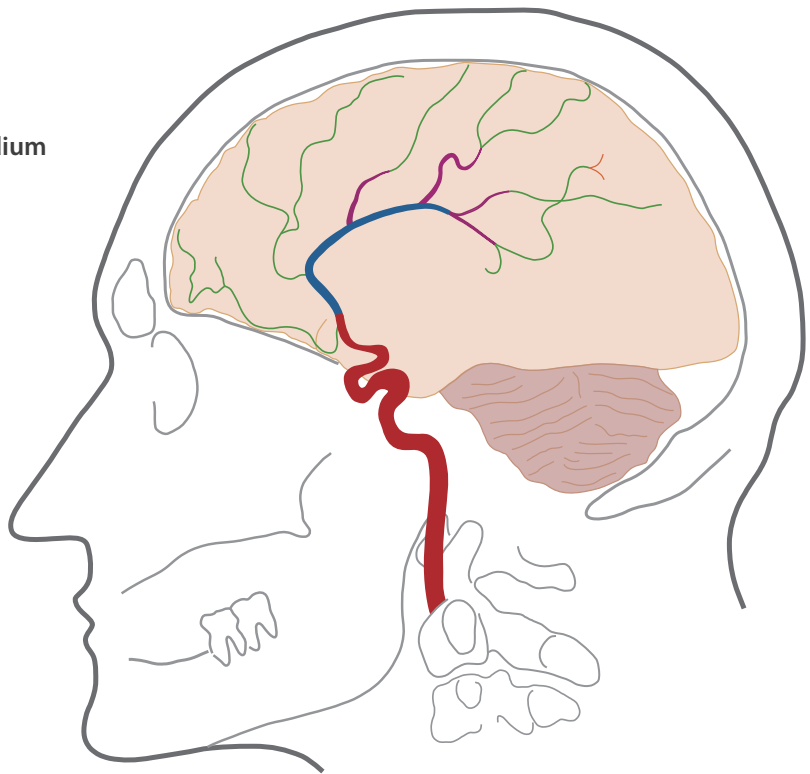
### ○ Artery density

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

### ○ Hounsfield# ※3

- |                       |    |
|-----------------------|----|
| • Soft tissue         | 0  |
| • Cerebrum            | 40 |
| • Mesencephalon       | 40 |
| • Cerebellum          | 40 |
| • Cerebral ventricles | 10 |
| • Eye balls           | 20 |

## ◆ Anterior cerebral artery



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

※3 is the value of calculation.