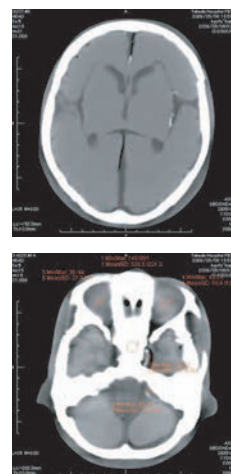


## PH-3 Angiographic CT Head Phantom ACS

Simulated arteries for CT scanning with contrast medium (41309-100)  
 Simulated arteries for Angiography scanning with contrast medium (41309-200)  
 Simulated arteries for Multi energy CT (41903-300)

### ● Specifications

- a. CT head phantom ..... 1
  - Life-size adult phantom
  - weight: 6.5kg
  - height: approx. 33cm
  - material: Urethane base resin, 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.
  - Three kinds of head phantoms with different density of arteries are available : CT type (41309-100) / Angiography type (41309-200)/MECT type (41903-300)

### ● 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 quality** 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

 **KYOTO KAGAKU co.,LTD**

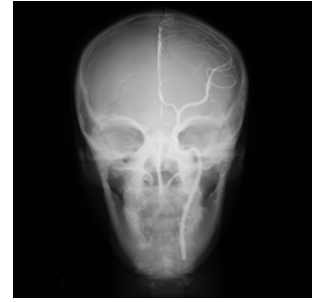
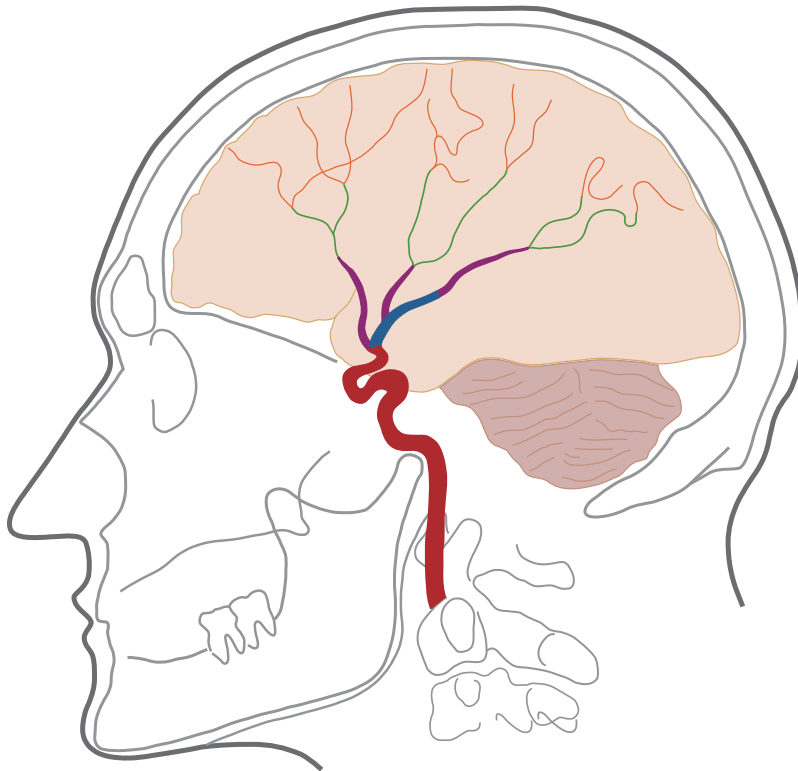
URL●<http://www.kyotokagaku.com>  
 e-mail●[rw-kyoto@kyotokagaku.co.jp](mailto:rw-kyoto@kyotokagaku.co.jp)

Worldwide Inquiries & Ordering  
**Kyotokagaku Head Office and Factories:**  
 15 Kitanechoya-cho, Fushimi-ku, Kyoto, 612-8388, JAPAN  
 Tel: +81-75-605-2510 Fax: +81-75-605-2519






All American regions  
**KYOTOKAGAKU AMERICA INC.**  
 3109 Lomita Boulevard, Torrance, CA 90505-5108, USA  
 Tel: 1-310-325-8860 Fax: 1-310-325-8867

# 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 : Urethane base resin
- Cervical vertebrae (C1-C7): Epoxy base resin

### • Soft tissue

- Urethane base resin

### • 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.

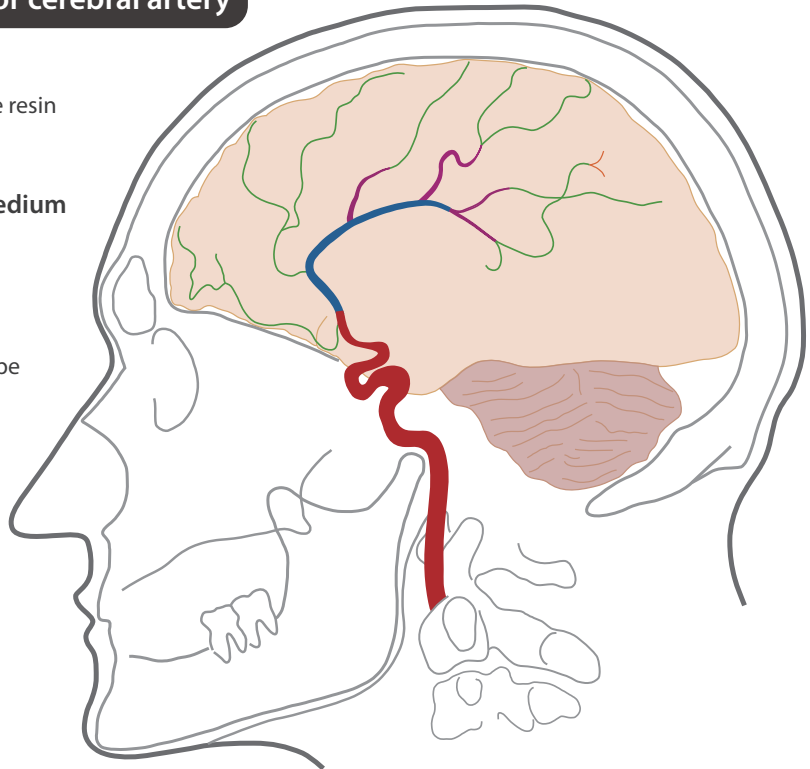
### ○ Artery density

- CT type: Hounsfield about 280 ※1
- Angiography type: hounsfield 4700 ※2
- MECT type: contains 13mg/ml Iodine

### ○ 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 value.