

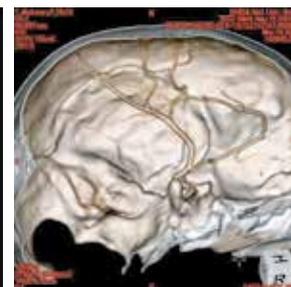
PH-3 | 41309-100 for CT / 41309-200 for Angio / 41309-300 for MECT

# Angiographic CT Head Phantom ACS



**Kyoto Kagaku's best-selling head phantom for CT**

**With new variation: Head Phantom for MECT, which contains arteries of innovative water equivalent material**



## FEATURES

- Three variations of head phantoms with different features for arteries to meet your requirements: CT / Angiography / Multi Energy CT
- Contrast-enhanced left cerebral arteries are three-dimensionally embedded in the brain
- Vessels with 13mgI/ml iodine (MECT type)

## APPLICATIONS

- CT (41309-100)
- Angiography (41309-200)
- Multi-energy CT (41309-300)

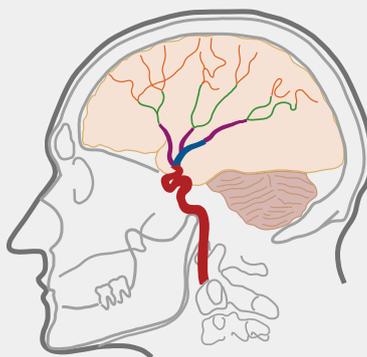
## ANATOMY

- A synthetic skull
- Soft tissue
- 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 arteries are the same for all three types.

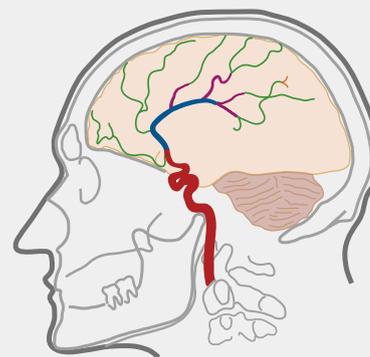
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|---------------|----|---------------------|----|
| Soft tissue   | 0  | Cerebellum          | 40 |
| Cerebrum      | 40 | Cerebral ventricles | 10 |
| Mesencephalon | 40 | Eye balls           | 20 |

\*\*calculated value at 80 keV



Middle cerebral artery



Anterior cerebral artery

## DESCRIPTIONS

### SET INCLUDES

- 1 head phantom
- 1 set of sample X-ray data (DVD)
- 1 storage case manual

### MATERIALS

- Soft tissue: urethane based resin
- Cervical vertebrae (C1-C7): epoxy resin

### SPECIFICATIONS

Phantom height: 33 cm / 13 in    Phantom weight: 5.25 kg / 11.57 lb    Packing size: W46×D31×H32 cm / W18.1×D12.2×H12.6 in    Packing weight: 8 kg / 17.6 lb

### PUBLICATION REFERENCES

Kim C, Park M, Sung Y, Lee J, Choi J, Cho S. Data consistency-driven scatter kernel optimization for x-ray cone-beam CT. Phys Med Biol. 2015 Aug 7;60(15):5971-94. doi: 10.1088/0031-9155/60/15/5971.

