

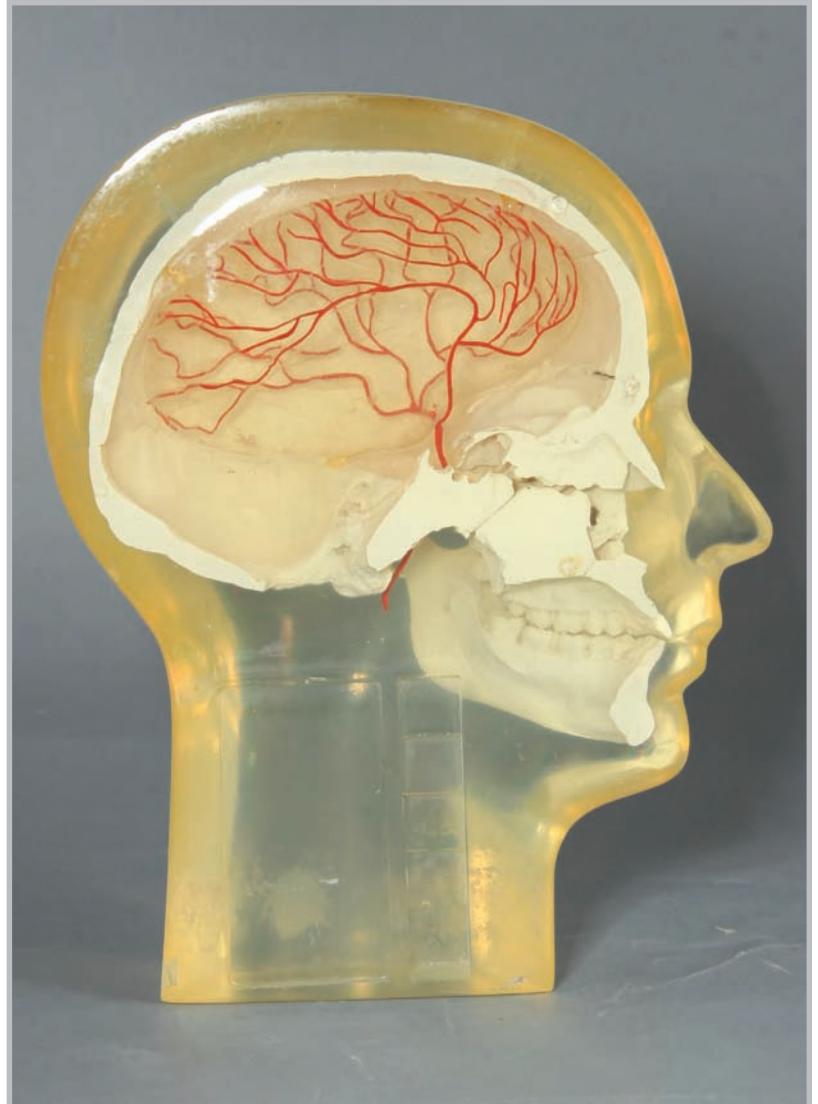
ANGIOGRAPHIC HEAD PHANTOMS

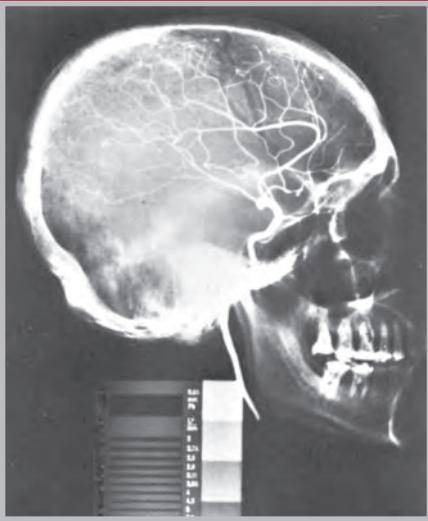
The Anthropomorphic Quality Assurance Phantom

- 3-dimensional high-contrast vascular pattern
- Full or half-head
- Tissue equivalent materials
- Step wedge and resolution test patterns
- Opaque or transparent

Alderson ANGIOGRAPHIC HEAD PHANTOMS bridge the gap between physical and anatomical information requirements. Molded in tissue equivalent material, an accurate male skull contains a 3-dimensional, high-contrast vascular simulation to facilitate correlation of the radiologist's subjective evaluation of angiographic image quality with actual measurements of resolution and contrast under the same exposure conditions.

Each ANGIOGRAPHIC HEAD PHANTOM contains a 5-step wedge. A 2-10 line pair/mm test pattern is optional. Other patterns or test objects and custom pathologies are available on special order.





The ANGIOGRAPHIC HEAD PHANTOM provides a “dry run” to completely check out angiographic equipment and ensure that is operating satisfactorily in all significant details before subjecting patients to radiological procedures. If the imaging system malfunctions, the phantom also plays a critically important role in isolating and verifying correction of the problems. The ANGIOGRAPHIC HEAD PHANTOM confines the variables to components and technique and is an invaluable service and teaching tool.

Unique RSD soft-tissue equivalent material is used for the skin tissue and neck and is adjusted to brain density in the cranium. This material closely duplicates brain tissues in radio-absorptive and scatter properties. The phantom is virtually shatterproof.

A high contrast 3-dimensional vascular pattern is placed in the median plane. The pattern closely resembles an internal carotid arteriogram in its early phase. The radio-density of the angiographic pattern has been adjusted to represent a 75% contrast-media. The phantom can be used omnidirectionally.

The ANGIOGRAPHIC HEAD PHANTOM is available as either a full or half head. The full head has the advantage of representing the full scatter properties and subject contrast of a human head. The half-head model is well suited to non-grid techniques. It has the advantages of lighter weight, lower cost and smaller size, easily fitting into a briefcase.

The combination of the simulated vascular pattern, resolution chart, and stepwedge enables the user to correlate physical parameters (such as resolution, contrast and speed) with the subjective evaluation of the skull markings and the vascular detail.

The ANGIOGRAPHIC HEAD PHANTOM is available in either transparent or opaque models.

MODEL NUMBERS

RS-230

Opaque Full Angiographic Head with stepwedge

RS-230T

Transparent Full Angiographic Head with stepwedge

RS-235

Opaque Full Angiographic Head with resolution test pattern (2-10 lp/mm) and stepwedge

RS-235T

Transparent Full Angiographic Head with resolution test pattern (2-10 lp/mm) and stepwedge

RS-240

Opaque Half Angiographic Head with stepwedge

RS-240T

Transparent Half Angiographic Head with stepwedge

RS-245

Opaque Half Angiographic Head with resolution test pattern (2-10 lp/mm) and stepwedge

RS-245T

Transparent Half Angiographic Head with resolution test pattern (2-10 lp/mm) and stepwedge