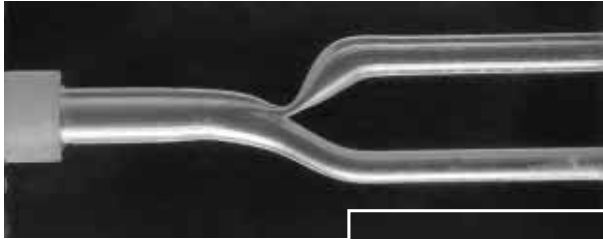
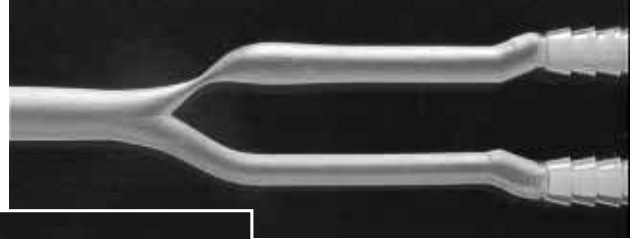


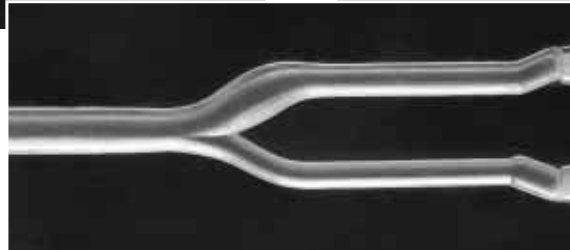
CAROTID ANTHROPOMORPHIC VASCULAR PHANTOMS



Asymmetric 70%
diameter stenosis



Symmetric 70%
diameter stenosis



Normal Bifurcation

Product Description

Shelley's Carotid Anthropomorphic Vascular Phantoms are designed to very accurately mimic complex physiological vascular geometries and are compatible with MR and radiographic imaging modalities.

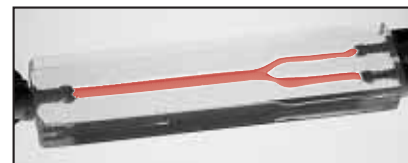
The phantoms are manufactured using the latest CAD/CAM and NC machining techniques. The carotid vessels are embedded within rigid, transparent acrylic or a compliant silicone material. Custom carotid vasculatures can be manufactured for individual applications.

Applications

- Calibration of clinical angiographic imaging systems.
- Research and product development requiring complex vascular geometries.
- Comparisons between finite-element modeling and *in vitro* measurements.
- Custom applications where a specific geometry can be designed to meet individual needs.
- Ideal for flow experiments when used with the CompuFlow 1000 MR System.

Features

- Complex geometries including arterial bifurcations and stenoses are available.
- Geometry is known to within 0.005 cm.
- Customer can specify vascular geometry.
- Geometrical parameters can be specified by customer's CAD files.
- Phantoms are fitted with quick-disconnect entrance and exit fluid connectors.
- Phantoms are compatible with MRI and x-ray techniques.
- Available as a sealed, non-flow model for MR and x-ray imaging studies.



Phantoms are ideal for magnetic resonance angiography evaluation



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