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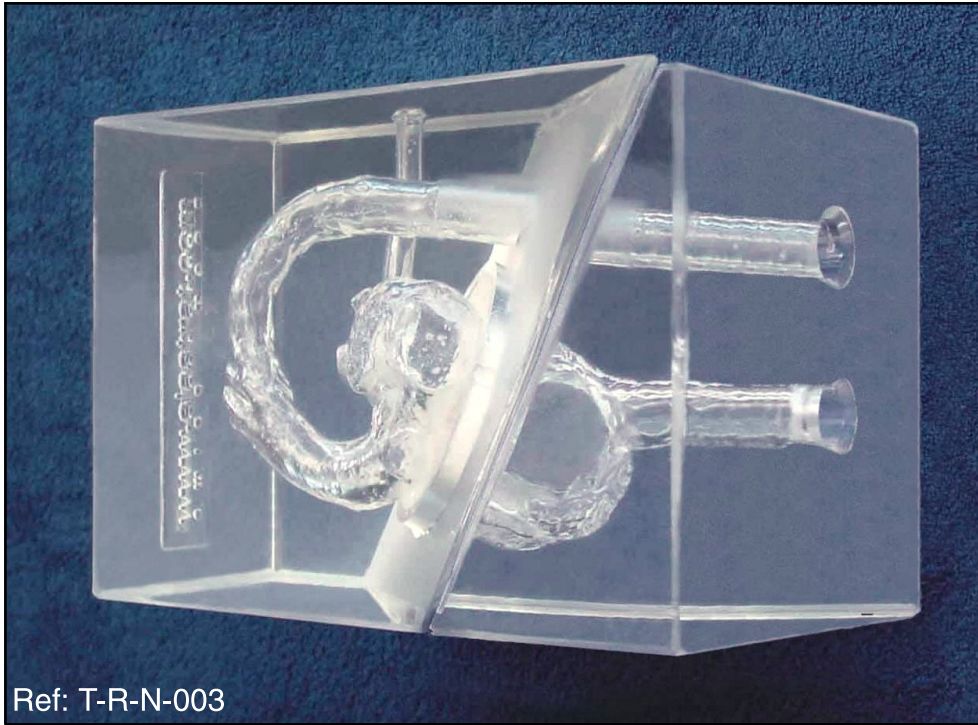
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Transseptal Model

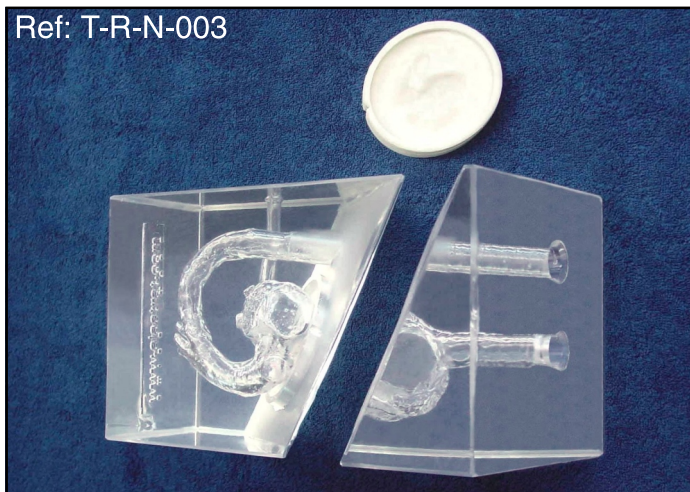
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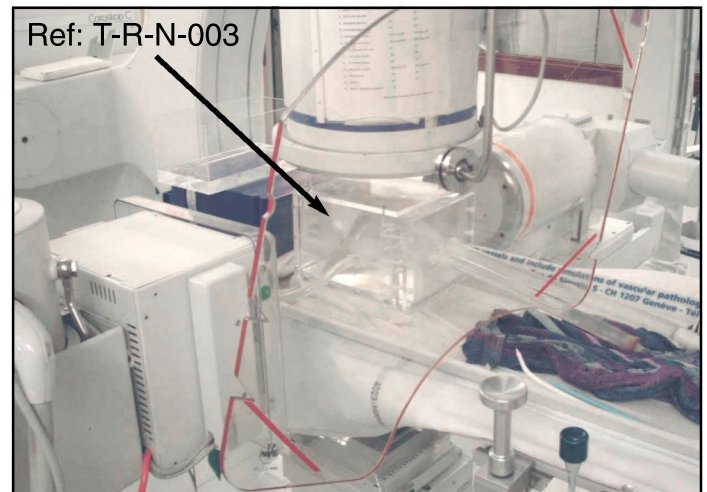
The present heart model represents an anatomically correct hollow cast in silicon of the two atrial chambers. It demonstrates the right and left atria including their appendages. Furthermore the left atrium includes the four ostia of the pulmonary arteries. The right atrium includes the ostium of the superior vena cava and is accessible via the inferior vena cava. The main feature of the model is a disposable interauricular septum allowing access via the inferior vena cava and the right atrium to the left atrium using a standard transseptal puncture technique.

After multiple punctures the disposable interauricular septum can be exchanged. This "foramen ovale" membrane of this heart model has been specially designed to be easily replaced after trainings so that an unlimited number of students can check the efficiency of their work. Furthermore an artificial fluid filled circuit can be established between the right and the left atrium to use the system under 'wet' conditions.



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This model has been designed for teaching purposes, in particular for training in transseptal punctures and other interventions in the left atrium.



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This heart model corresponds perfectly to the apprenticeship of the standard transseptal technique with respect of the patients security.

Our Elastrat in vitro models are compatible with modern imaging modalities such as digital subtraction angiography, computed tomography and magnetic resonance imaging. Providing the use of an adequate circulating fluid, Doppler techniques can also be performed. The in vitro models transparency to light makes them suitable for video and photographic monitoring.

