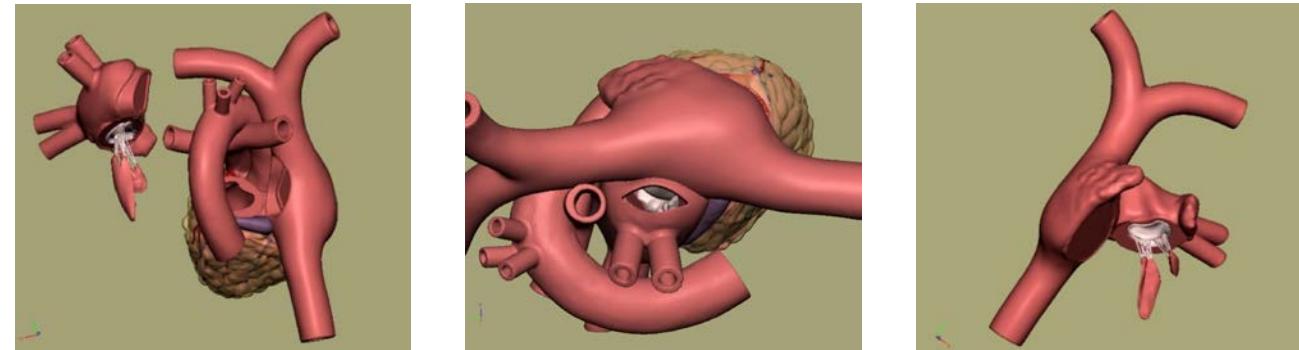


## Our latest development in CT surgery:



**MICS Mitral CABG Heart, #1390**

Our new MICS Mitral CABG Heart is designed to **provide a realistic environment and access for minimally invasive mitral valve and CABG procedures**. Now with **three left atrium options** (with prolapsed posterior mitral leaflet, with or without chordae, and papillary muscles, or with healthy mitral leaflet) this heart is our most immersive solution to date for mitral valve repair and annular ring placement with appropriate pathologies. Replaceable left atria are held to the heart magnetically, making rapid exchange possible. The MICS Mitral CABG Heart is designed specifically for use with our MICS Thorax. The CABG sites are compatible with all our native coronaries and graft vessels for MIS bypass practice. Please contact us for details and pricing.



**The Chamberlain Group specializes in lifelike anatomy for surgical and interventional training that captures the consistency and response of living tissue – with an emphasis on cardiothoracic procedures.**





**The Chamberlain Group** produces anatomically accurate medical models that provide the best alternative to animals and cadavers for training in new devices and procedures. In close collaboration with medical device companies and teaching hospitals in over 50 countries, we meet procedural training objectives with clean, smart solutions that illuminate, educate and differentiate.

**Call to discuss your needs: +1.413.528.7744 or 800.562.7569 email: [info@thecgroup.com](mailto:info@thecgroup.com) www.thecgroup.com**



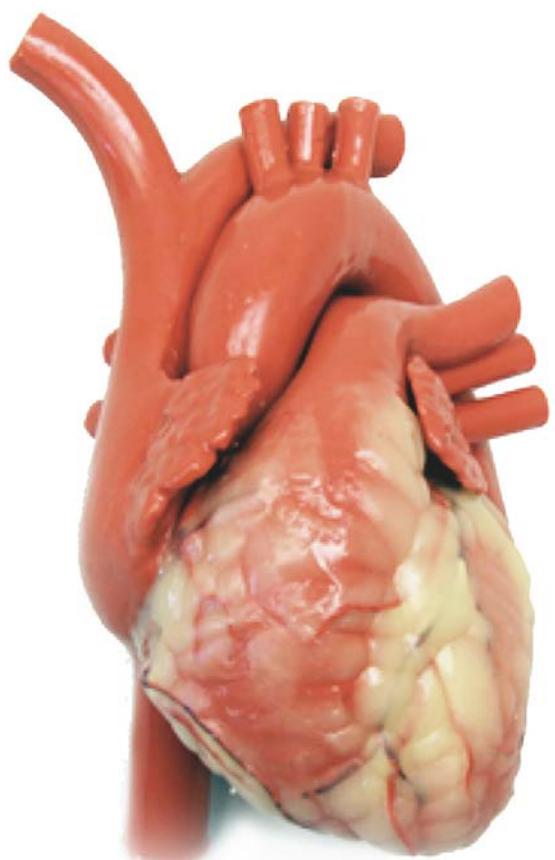
#### **MICS THORAX**

Developed from patient CT data, this is the most realistic mimetic thorax available for MICS procedures. Replaceable right and left chest wall panels contain ribs 4 through 8 embedded in tissue to accommodate ports, incisions and the use of rib spreaders. Replaceable IMAs allow the learner to perform thoracoscopic takedown and grafting. Includes lungs (inflated and collapsed), diaphragm, and a heart with pericardium. The MICS Thorax accepts a variety of our hearts, both beating and non-beating.



#### **VATS TRAINER**

Designed for refining thoracoscopic skills, the Trainer is a right hemi-thorax with incisable skin/muscle layer and spreadable ribs. The replaceable lung, derived from patient CT data, includes blunt-dissectible parenchyma and a main bronchus, vein and artery for each of the three lobes for individual dissection and ligation. The Trainer also accommodates porcine heart/lung blocks and includes a tray to capture resulting effluence.



#### **HEARTS AND BEATING HEARTS**

The non-beating Heart features extended vasculature and lifelike atrial appendages; it is available in non-patent and patent versions. The non-patent version is a durable option for procedures not requiring access to the heart chambers. Our patent heart presents all four valve annuli; valve leaflets are optional. With all versions, suturable native coronaries can be added for CABG training. Our Beating Heart Trainer includes a mechanism that functions like real muscle and is programmable at different speeds and rhythms. The heart accepts our suturable native coronary arteries at multiple sites for off-pump CABG training. We have created a variable rate controller to enhance your simulation experience. The beating heart can also sync to the Orpheus™ Simulator for perfusion training. Patented.

#### **REPLACEMENT LUNG**

The replaceable lung contains an artery, vein and bronchus for each of the three lobes; the lung parenchyma can be blunt-dissected to reveal these structures. The vessels are fluid-filled and ooze blood if improperly stapled.

