

SynAtomy Anastomosis Skills

These models employ simplified versions of our patented SynTissue brand synthetic human tissues. Designed with extensive input from our medical device, hospital and military clients, these materials exhibit realistic puncture resistance, suture holding, and electrocautery, laser scalpel and plasma knife performance.

SynTissue brand synthetic human tissue components are designed on the basis of physical tests performed on actual living tissue, and each synthetic tissue is validated (tensile modulus, abrasion resistance, penetration force, coefficient of friction, thermal conductivity, dielectric constant, etc.) under the same physical conditions as the live tissue it is designed to simulate. The resulting synthetic tissue responds to stimulus much like real living tissue.

Equipment Compatibility

Laser scalpels, electrocautery and RF ablation devices, harmonic blades, monopolar and bipolar devices, plasma knives, ultrasound equipment, and all known imaging equipment.

Relevant Skills

Manual and robotic-assisted anastomosis.

Double Layer Bowel

O-BWL-E-0005

Our SynAtomy Double Layer Bowel segments feature separate external muscular and internal mucosal layers and are designed for use in anastomosis training. Product is supplied as a single segment which may be re-used many times.

Dimensions:

20mm x 15cm (OD x L)



Aortic Valve

H-ARV-E-0005

Our SynAtomy Aortic Valve is designed for use in heart valve replacement training exercises. The valve design is based on actual CT images to assure anatomical accuracy. Product is supplied as a single unit that may be reused many times.

Dimensions

22mm x 15mm (OD x L)



Mitral Valve

H-MTV-E-0005

Our SynAtomy Mitral Valve is designed for use in heart valve replacement training exercises. The valve design is based on actual CT images to assure anatomical accuracy. Product is supplied as a single unit that may be reused many times.

Dimensions

22mm x 15mm (OD x L)

