

Hybrid Surgical Canine

The SynDaver Surgical Canine provides an unparalleled platform for repeatable procedures. Featuring realistic organs integrated with complete vasculature, the system affords veterinary students and surgeons an incomparable experience in surgical situations commonly faced in the operating room. This model is comprised of a silicone chassis and limbs, with patented SynTissue or Silicone head, airway, and abdominal organs.



Surgical Canine Capabilities

Technical Procedures

- Cephalic venipuncture
- Cephalic vein catheterization
- External jugular venipuncture
- External jugular catheterization
- Orotracheal intubation
- Nasoesophageal tube placement
- Cystoscopy
- Stomach tube placement
- Cystocentesis
- Urinary catheterization
- Upper GI endoscopy
- XXT Training Capability

Abdominal Procedures

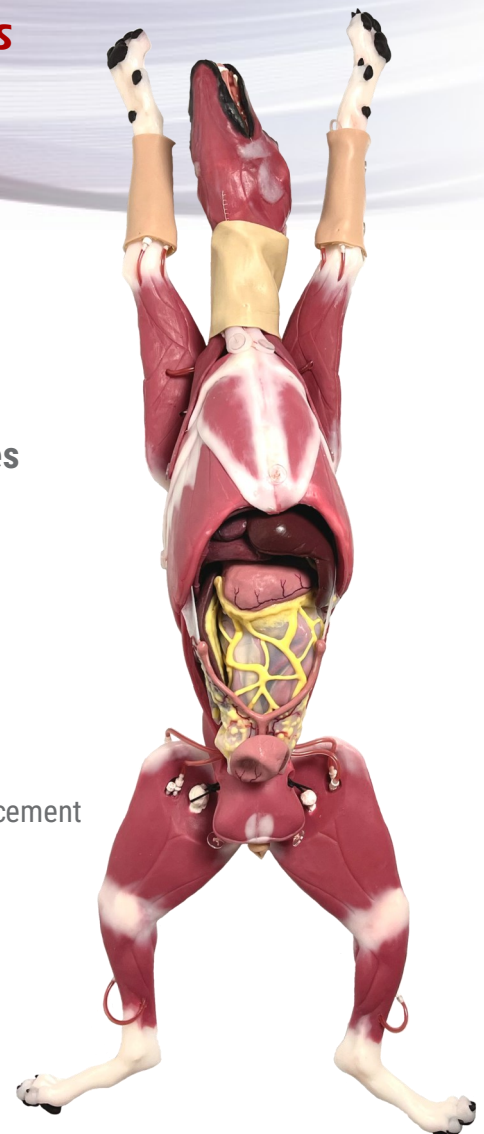
- Gastrotomy with foreign body removal
- Gastropexy
- Splenectomy
- Liver lobe biopsy
- Partial liver lobectomy
- Enterotomy with foreign body removal
- Intestinal resection with anastomosis
- Small intestinal biopsy
- OVH
- Cystotomy with stone removal

Other Surgical Procedures

- Mammary mass resection
- Cutaneous suturing
- Muscular suturing
- Surgical hemostasis

Custom Add Ons

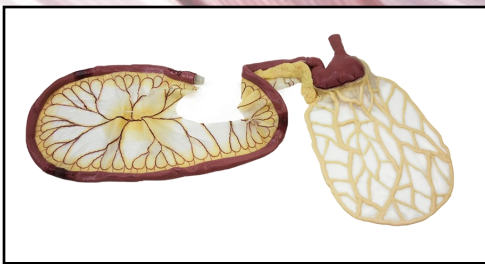
- Hernia Diaphragm & Replacement Patches
- GDV Stomach
- Gastropexy Patch
- Pathology Liver
- Pathology Spleen
- Silicone Head & Airway



SynTissue Canine Organs

Our SynDaver organ models are by far the most realistic synthetic organs of their type available anywhere in the world.

These models employ simplified versions of our patented SynTissue® synthetic canine tissues, specifically designed with extensive input from veterinary clients. These materials exhibit realistic puncture resistance, suture holding, and performance under electrocautery, laser scalpel, and plasma knife procedures. SynTissue synthetic canine tissue components are engineered based on physical tests conducted on actual living tissues. Each synthetic tissue is validated for tensile modulus, abrasion resistance, penetration force, coefficient of friction, thermal conductivity, and dielectric constant under the same conditions as the live tissue it simulates. The resulting tissue responds to stimuli much like real living tissue, providing an unparalleled level of realism in training.



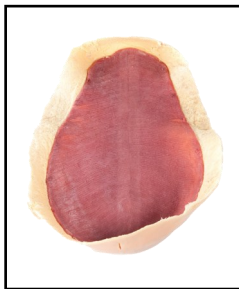
GI Tract (Stomach with Omentum, Pancreas, Small Intestine with Mesentery)



Vascularized Female Reproductive System



Vascularized Liver Lobe



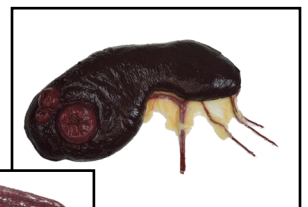
Abdominal Skin Plate



Bladder



Cephalic Vein Access Plate



Shown with pathologies



Vascularized Spleen



Jugular Access Skin Plate