

Sinclair Research Center provides surgical capabilities and services ranging from simple, minimally invasive procedures to complex, invasive surgery. Whether in support of a toxicology program or the development of a new medical device, SRC's unique combination of technology, facilities and experience provide our clients with all the right tools. Representative capabilities include:

### Cardiovascular

- ☛ Drug-eluting Stents
- ☛ Thoracic Surgery
- ☛ Coronary and Peripheral Stents/Vascular Devices
- ☛ Local Delivery of Drugs and Devices
- ☛ Cardiac Device Implantation
- ☛ PFO Screening and Device Evaluation

### Orthopedics

- ☛ Cartilage Repair
- ☛ Non-Union Fracture
- ☛ Orthopedic Devices
- ☛ Spinal Procedures
- ☛ Destabilized Joint Models

### Additional Surgical Services

Surgical services are available to facilitate preclinical research in a variety of ways:

- ☛ General Surgical Services
- ☛ Vascular Access Ports
- ☛ Medical Device Implantation/Evaluation
- ☛ Bariatric Device Studies
- ☛ Instrumentation
- ☛ Surgical Product Modeling
- ☛ Bile Duct/Intestinal Cannulation

### Additional Models

Additional areas include gastrointestinal/abdominal surgery, endoscopy procedures, and urology/gynecology studies. Surgical models and services have been developed to facilitate testing in a variety of therapeutic areas:

- ☛ Wound Healing
- ☛ Osteoporosis
- ☛ Obesity
- ☛ Surgical Model Development

### Surgical Support:

#### *Facility and Personnel:*

- ☛ Two Surgical Complexes/Four Surgical Suites
- ☛ Trained and Experienced Support Staff
- ☛ Consulting Surgeons and Interventionalists
- ☛ Dedicated Necropsy Suite
- ☛ Board Certified Veterinary Pathologist
- ☛ GLP-compliant

#### *Imaging equipment including:*

- ☛ OEC 9600 Fluoroscope (12")
- ☛ Siemens SONOLINE G60 color doppler ultrasound
- ☛ Hologic Discovery-A DEXA (bone densitometer)
- ☛ Standard X-Ray Capability

### Animal Facility

- ☛ AAALAC Accredited Facility – Since 1995
- ☛ Domestic and Miniature swine (Sinclair, Yucatan, Hanford)
- ☛ Sheep and Goats
- ☛ Canines
- ☛ High Capacity for Large Animals
- ☛ Rodents
- ☛ Rabbits
- ☛ Felines
- ☛ Other Species Available