

Services Offered

- Live Animal Surgical Models:

Pig, Rabbit, Sheep, Goat, Calf, Ferret,
Rodent (Specialized surgical studies)

- Fresh and preserved human tissues and full cadavers
- Animal tissues and cadavers
- Dry and wet lab space
- Conference rooms and catering for didactic sessions



Lara Reyelt, Senior SIRC technician

- Cardiovascular
- Neurosurgery
- Dental
- Orthopedics
- Gastrointestinal
- Urology
- Laparoscopy
- Wound healing
- Hemostasis
- Gynecology

Surgical and Interventional Research Laboratories

Department of Surgery, Tufts Medical Center Boston MA

What Sets Us Apart ?

- More than 35 years of experience working with industry partners
- Rapid protocol and contract processing
- Over 500 on-site surgeons, physicians and veterinarians
- Hands on experiment and animal model development assistance
- User friendly facilities with 3 ORs, a mobile C-arm fluoroscope, laparoscopic towers, and conference rooms
- On-site histology and pathology services with an autopsy/necropsy room
- Physician and surgical training



Memberships and Accreditations

AAALAC
PHS Assurance
USDA
ASR
AALAS
ACLS, CVT, and SRS certified
technician and veterinary
staff



Overview

Tufts Medical Center's Surgical and Interventional Research Laboratories (SIRL) is a full-service surgical testing facility used by industry and academia for preclinical medical devices and diagnostic testing. We are an ideal service center for collaborative studies that combine outside industry with academic projects and scientific objectives.

We specialize in prototype studies, product evaluation, comparative testing and physician training and demonstration. We provide Tufts investigators with a number of services including proof of concept, model development, and interventional and surgical procedures. Our team of 40 employees and staff support will work with you to bring your novel idea or new application to the next level.



Our team will support you as you work with us to bring your novel idea to fruition.

Applied Research in Cardiology

As an Interventional Cardiologist and Advanced Heart Failure Physician, Dr. Kapur's translational research focuses on large animal models of acute and chronic heart failure, circulatory support device development, and cardioprotective mechanisms in the setting of acute myocardial infarction. Unique aspects of the research program include biventricular pressure volume loop analysis and 3D-echocardiography.

Senior Team

*William Mackey, MD, FACS
Director of SIRL, Surgeon-in-Chief,
Tufts Medical Center*

*Navin Kapur, MD, FAHA, FACC, FSCAI
Director, Interventional Cardiology
Research*

*Scott Perkins, VMD, MPH, Dipl. ACLAM
Senior Director, DLAM;
Attending Veterinarian*

*Corinna Beale, DVM, SRS
Assistant Director, SIRL;
Staff Veterinarian, DLAM*

Contact Us

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Center