Surgery

Chair
• Ronald Weigel

Interim Director, Perfusion Technology
• Shahna L. Helmick

Undergraduate certificate: perfusion technology
Faculty: https://medicine.uiowa.edu/surgery/people/primary-appointments
Website: https://medicine.uiowa.edu/surgery/

The Department of Surgery offers didactic instruction as well as clinical and other practical experiences for medical students. It also hosts a wide spectrum of clinical and scientific research. In addition, it offers the undergraduate Certificate in Perfusion Technology.

Cardiothoracic Surgery

The University of Iowa cardiothoracic surgery program is the third oldest program of its kind in the United States. Since its establishment in 1948 as a division within the Department of Surgery, the program has advanced from providing operative interventions for patients with diseases of the chest to performing a broad range of the most current and innovative surgical procedures.

Cardiothoracic surgery’s facilities are located at University of Iowa Hospitals & Clinics. Each year cardiothoracic surgeons at the hospitals perform more than 500 adult and pediatric heart surgeries, including coronary bypasses, transplants, and placement of mechanical cardiac assist devices; minimally invasive procedures such as mitral valve replacement and epicardial lead placement; and more than 600 general thoracic surgeries with emphasis on esophageal and lung diseases. Preparations are under way for providing coronary artery bypass grafting using robotics.

Postbaccalaureate Training

The Department of Surgery plays a primary instructional role in University of Iowa Hospitals & Clinics’ 20-month postbaccalaureate Perfusion Technology Program; see the perfusion courses listed under Courses [p. ] in this section of the Catalog. For more information about the Perfusion Technology Program, contact the Department of Surgery or visit the Perfusion Technology Program website.

Faculty

The faculty’s strengths center in pathophysiology and problems of severe burns, trauma, organ transplantation, surgical control of morbid obesity, surgical oncology, bowel disease, biliary tract disease, pediatric surgery, endocrine disease, plastic surgery, diseases of the esophagus, artificial organs, pediatric cardiac surgery, transplantation, and vascular surgery. Research also is under way in the sequence of mutations and in localization of genes predisposed to cancer.