

Mary Culver Department of Surgery

Website: <http://www.surgery.wustl.edu>

Courses

Visit online course listings to view offerings for M95 Surgery (<https://courses.wustl.edu/CourseInfo.aspx?sch=M&dept=M95>).

M95 Surgery 814 Acute and Critical Care Surgery (Clinical Elective)

The student on this elective will function as a subintern on the Trauma and Acute Care Surgical Service within the Section of Acute and Critical Care Surgery. Through completion of this elective, the student will gain an ability to evaluate, resuscitate and manage trauma and emergency general surgery patients. Subinterns will actively interact with patients in the outpatient office, hospital ward and operating room. Practical experience will involve preoperative patient evaluation, resuscitation of acutely ill patients, operative patient management, in-hospital patient care and postoperative outpatient follow-up. The student will also participate in affiliated conferences and in-house call.

M95 Surgery 817 Surgical Night Float / Emergency Surgical Consults and Trauma Night Rotation (Clinical Elective)

This elective is specifically designed to give senior medical students an intern-level experience in managing acute on-call problems in surgical patients and in evaluating urgent and emergent problems in the ED. The rotation will be divided into two, two-week segments: one segment in the ED and the second on night float call on the surgical floors. Students will gain experience evaluating and managing the types of acute problems they will encounter as surgical interns as first responders to patients with acute abdominal pain, chest pain, hypotension, mental status changes, and other ER/on-call type problems. They will be assigned to the on-call surgical resident and will have a structured experience in order to maximize development of their diagnostic, management, and case presentation skills in the acute care setting so that they may more smoothly make the transition to a surgical internship. Medical students are also invited to participate in ongoing research projects under the mentorship of surgery faculty.

M95 Surgery 820 Cardiothoracic Surgery (Clinical Elective)

The elective in cardiothoracic surgery is a four-week clinical rotation with two-week blocks divided between adult cardiac, pediatric cardiothoracic, and general thoracic surgery (according to the student's preference). Students will participate in morning work rounds, attend the operative procedures of their choice, and attend weekly conferences and teaching rounds. Students will be introduced not only to the surgical procedures, but also to the postoperative care of the surgical patients. On the pediatric and adult cardiac services, students will be introduced to the principles of cardiopulmonary bypass, repair of congenital heart defects, ventricular assist devices, heart lung transplantation and procurement, coronary artery bypass surgery (on and off pump), valve repair and replacement, complex aortic surgery, the MAZE procedures and others. On the adult cardiac surgery service, students will function as sub-interns under the direct supervision of a faculty member. On the thoracic surgical rotation, students will have the opportunity to perform bronchoscopy, esophagoscopy, gastroscopy, and participate in surgical resections of lung cancer

and esophageal cancer, as well as surgery for emphysema and for benign esophageal conditions. Students will also participate in lung transplantation surgery. Medical students are also invited to participate in ongoing research projects under the mentorship of surgery faculty. Please contact course director if you are interested in this option.

M95 Surgery 830 Plastic & Reconstructive Surgery (Clinical Elective)

The period on Plastic Surgery may either be spent as a clinical clerkship or conducting a research project. The purpose of the clinical clerkship is to familiarize the student with the basic principles of Plastic Surgery. The student will have successive assignments to each of the attending staff and the ward resident services during the four weeks. This will expose the student to the breadth and depth of plastic surgery. Alternatively, if the student has identified a focus of interest, the student may participate on those services of special interest, such as hand or pediatric plastic surgery. The student will assume an active role on the plastic surgery service and will participate in the total management of a wide variety of surgical problems including congenital anomalies, microvascular surgery, surgery of the upper extremity, peripheral nerve surgery, cosmetic surgery, and general reconstructive plastic surgery. Research projects should be student-motivated, and must be approved prior to scheduling and confirming the research rotation. Student will perform a ten-minute case presentation.

M95 Surgery 850 Urologic Surgery (Clinical Elective)

The four-week clinical elective will offer the interested student experience with a spectrum of problems in clinical urology - both adult and pediatric. The student will learn the basic diagnostic procedures and management of surgical and non-surgical aspects of patient care under the supervision of the attending staff and house staff. Clinical conferences are held two days per week. Medical students are also invited to participate in ongoing research projects under the mentorship of urology faculty. Please contact course director prior to the start of the elective if you are interested in this option.

M95 Surgery 862 Colon & Rectal Surgery (Clinical Elective)

This elective is designed to give students in-depth experience in the clinical management of patients on the Colorectal Surgery Service. Students work closely with the attendings within the Section of Colon and Rectal Surgery, and clinical exposure is focused on a wide range of benign and malignant colorectal diseases. There is exposure to radiation oncology and the specialized areas of nursing related to care of patients with colorectal cancer and inflammatory bowel disease. The course will offer opportunities for students to gain experience in preoperative, intraoperative and postoperative, patient management under house staff, fellows, and faculty guidance, as well as ample opportunity to attend and participate in conferences. Notice: If a student desires to work more closely with a specific attending, he/she must make special arrangements with the Colorectal Surgery Office prior to beginning this elective.

M95 Surgery 863 Surgical Oncology & Endocrine Surgery (Clinical Elective)

This elective is designed to give students in-depth experience in the clinical management of patients on the Endocrine and Surgical Oncology Service (Unit I Service). Students will serve as clerks and will be responsible for patient management with house staff under the guidance of the chief resident and attending surgeons. Clinical exposure is focused on thyroid and parathyroid surgery, as well as breast oncology, melanoma, and soft-tissue sarcomas. The course will offer opportunities for students to gain experience in preoperative, intraoperative, and postoperative patient management. There

will be opportunity for students to evaluate patients, decide on a diagnostic and management strategy and provide care under house staff and faculty guidance, as well as ample opportunity to attend and participate in conferences.

M95 Surgery 864 Ethical Challenges in Surgery and Medicine (Non-Clinical Elective)

This elective will involve exploration of the ethical challenges discussed during didactic conferences and in clinical settings within the Department of Surgery at Washington University in St. Louis School of Medicine. The student will be guided through readings, discussions, and projects by department faculty members with expertise in clinical ethics. The elective will result in a manuscript ready to be revised/finalized for publication submission with the student as lead author. This elective provides the opportunity to work closely with faculty mentors and should appeal to any student interested in the ethical and humanitarian challenges facing physicians in particular and society in general.

M95 Surgery 871 Vascular Surgery (Clinical Elective)

This elective is designed to give students in-depth experience in the clinical management of patients on the Vascular Surgery Service. The elective will offer opportunities for students to gain experience in preoperative, intraoperative and postoperative management of patients with surgically treated vascular diseases/conditions. Students will serve as clerks and will be responsible for patient management with house staff under the guidance of the fellow and attending surgeons. There will be opportunity for students to evaluate patients, decide on a diagnostic and management strategy, and provide care under house staff and faculty guidance, as well as ample opportunity to attend and participate in conferences. Notice: If a student desires to work more closely with a specific attending, he/she must make special arrangements with the faculty member prior to beginning this elective.

M95 Surgery 879 Hepatobiliary-Pancreatic Surgery (Clinical Elective)

This course is designed to give students in-depth experience in the clinical management of patients on the Hepatobiliary-Pancreatic (HPB) Service. The HPB Service is a busy upper gastrointestinal service with a focus on hepatobiliary and pancreatic diseases and their treatment. The course offers opportunities for students to gain experience in preoperative, intraoperative, and postoperative patient management. Students will serve as clerks and will be responsible for patient management with house staff under the guidance of the fellow, chief resident and attending surgeons. There will be opportunity for students to evaluate patients, decide on a diagnostic and management strategy, and provide care under house staff and faculty guidance, as well as ample opportunity to attend and participate in conferences. Note: If a student desires to work more closely with a specific attending, he/she must make special arrangements with the faculty member prior to beginning this elective.

M95 Surgery 880 Pediatric Surgery (Clinical Elective)

This course will expose the student to a wide variety of pediatric surgical cases. This includes the preoperative and postoperative care of patients as well as the care of pediatric trauma patients. Daily walking or sit-down rounds are made with the resident, nurse practitioner, and attending staff, and participation is expected in the pediatric surgery clinic and the operating room. Weekly conference attendance is mandatory and includes mortality and morbidity, radiology, pathology, solid tumor board, ED/trauma, and GI conferences. Students have the opportunity to understand the widely differing anatomy and physiology of patients ranging from newborn infants to teenagers and young adults. The student functions as a team member and assumes level-appropriate responsibilities as determined by senior team members in this highly specialized care field.

M95 Surgery 891 Organ Transplantation (Clinical Elective)

The care of transplant patients requires the integration of multiple diverse medical and surgical disciplines. This course in organ transplantation encompasses the preoperative evaluation and management of adult and pediatric recipients of liver, kidney, and pancreas. Students participate in procurement of allografts from cadaveric or living donors, organ preservation, and transplantation. Emphasis is also placed on postoperative care, multimodality immunosuppression and management of allograft rejection. Basic hepatic and renal physiology, fluid and electrolyte balance, and transplantation immunology are stressed. Rotation provides an elaborate exposure to different facets of management of end stage renal and liver disease. Management of the complications of diabetes, hypertension, portal hypertension, and infectious problems are an integral part of pre- and post-transplant care. This course is designed to offer the student an overview of the field of organ transplantation, however, in addition to transplant surgery, students will also get some exposure to vascular access and hepatobiliary surgery. The student functions as a member of the transplant team and assumes appropriate responsibilities under supervision.

M95 Surgery 893 Minimally Invasive Surgery (Clinical Elective)

This elective in minimally invasive surgery is offered by the Chief of the Section of Minimally Invasive Surgery in the General Surgery Division. Surgeons in the Minimally Invasive Surgery group regularly perform the following procedures laparoscopically: cholecystectomy, splenectomy, adrenalectomy, hiatal hernia repair, endoscopic myotomy for achalasia, inguinal hernia repair, ventral hernia repair, complex abdominal wall reconstruction, robotic surgery, and bariatric surgery for morbid obesity. The medical student electing this rotation will participate in the outpatient office and direct patient care, assist and observe in a wide range of laparoscopic procedures and participate in teaching rounds and conferences. During this rotation, the student will also have the opportunity to observe and participate in minimally invasive surgical procedures performed by various surgeons within the Section of Minimally Invasive Surgery and will function as an acting intern.

M95 Surgery 910 General Surgery Advanced Clinical Rotation (ACR)

Students in the General Surgery ACR are placed in one of the following seven services. Students may enroll in this ACR twice. Acute and Critical Care Surgery: The ACCS service provides experience with a broad range of general surgical problems. Typically, students encounter patients with acute traumatic injuries or burns and are exposed to many acute surgical problems such as acute abdominal emergencies, skin and soft tissue infections (including some amputations), acute appendicitis, and acute cholecystitis. Students will likely experience a combination of laparoscopic, robotic, and open operations. Students also gain experience with pre-operative evaluation and operative management of patients undergoing elective surgical procedures such as hernia repair and cholecystectomy. Colorectal Surgery: The Colorectal Surgery rotation covers all aspects of benign and malignant colorectal and anal disease. The operative procedures vary from simple anorectal operations to large open abdominal, robotic and laparoscopic operations. Students will likely encounter both urgent/emergent and elective operations. Hepatobiliary and Pancreatic Surgery: The HPB service exposes students to a variety of surgical conditions of the pancreas, liver, stomach, and biliary tract. This includes benign and cancerous conditions. Students may also encounter surgeries for various types of sarcomas. They will encounter laparoscopic, robotic, and large open operations. Minimally Invasive Surgery: The MIS service exposes students to patients with a variety of surgical problems (including hernias, gallstone disease, gastrointestinal foregut problems, morbid obesity, and endocrine disorders). Students are exposed to basic and advanced minimally invasive surgery (laparoscopic and robotic operations) as well as complex open operations. Pediatric

Surgery: Pediatric surgery is essentially general surgery on children. Students are exposed to a wide variety of conditions involving the gastrointestinal tract, genitourinary tract, lung, diaphragm, etc. The service handles a significant amount of penetrating and blunt trauma, burns, and other acute surgical emergencies such as appendicitis, intestinal obstruction, and perforated viscus. In addition, the student will be exposed to surgery on newborns for vascular access and intestinal and abdominal wall conditions. Students will be exposed to a variety of surgical approaches including open, laparoscopic, and thoracoscopic procedures. Surgical Oncology: The Surgical Oncology (formerly Endo/Onc) service is primarily dedicated to the treatment of some of the most common cancers in adults (including breast, melanoma, and thyroid). Students will also obtain experience with many other surgeries for benign disease processes in breast and endocrine glands (thyroid, parathyroid, and adrenal). Students may also encounter surgery for sarcomas and a unique operation that involves heated intra-peritoneal chemotherapy for advanced cancers (HIPEC). They will likely encounter some laparoscopic procedures (adrenalectomy). Transplant Surgery: Abdominal Organ Transplantation exposes students to a blend of medical and surgical care of solid-organ transplant patients (kidney, pancreas, and liver). Organ procurements provide the ultimate exposure to human anatomy in a heart-beating, brain-dead donor. Students will likely experience other hepato-biliary procedures (liver resection, pancreatic resection, biliary tract surgery etc) for benign/malignant conditions and vascular access procedures (AV fistula formation), providing broad anatomical exposure. Most of these operations are performed with large, open incisions but students may encounter some laparoscopic procedures (cholecystectomy).
Credit 140 units.

M95 Surgery 915 Cardiothoracic Surgery Advanced Clinical Rotation (ACR)

Available blocks: TBD 4 week rotations

The description for this course will be added as soon as it is finalized.

Student time distribution: TBD
Patients seen weekly: TBD
On-call/weekend responsibility: TBD

M95 Surgery 920 Plastic and Reconstructive Surgery Advanced Clinical Rotation (ACR)

The period on Plastic and Reconstructive Surgery will be spent as a clinical clerkship. The purpose of the clinical sub-internship is to familiarize the student with the basic principles of Plastic and Reconstructive Surgery and prepare for internship. The student will have successive assignments to each of the attending staff and the ward resident services during the four weeks. This will expose the student to the breadth and depth of plastic and reconstructive surgery. Alternatively, if the student has identified a focus of interest, the student may participate on those services of special interest, such as hand or pediatric plastic surgery, although rotation will be required each week. Students will submit a preference list for service assignments prior to the rotation and efforts will be made to accommodate these preferences. The student will assume an active role on the plastic and reconstructive surgery service and will participate in the total management of a wide variety of surgical problems including congenital anomalies, microvascular surgery, surgery of the upper extremity, peripheral nerve surgery, cosmetic surgery, and general reconstructive plastic surgery. Students will be expected to participate in patient care on morning and afternoon rounds, in clinic, the emergency department, and in the operating room. Students will gain basic procedural skills including wound care, splinting, and suturing. Student will perform a ten-minute case presentation at PRS Grand Rounds.
Credit 140 units.

M95 Surgery 925 Urologic Surgery Advanced Clinical Rotation (ACR)

The Phase 3 Urology ACR will provide exposure to the full spectrum of clinical urology over four weeks. The student will learn the basic evaluation of the urologic patient, including diagnostic procedures, as well as the management (both surgical and non-surgical) of urologic conditions, under the supervision of the attending staff and house staff. The majority of the rotation will be with the Adult Urology Service in both inpatient and outpatient settings along with a few days on Pediatric Urology.
Credit 140 units.
