

GENERAL SURGERY CLERKSHIP—Cedars-Sinai Department of Surgery
3 weeks per rotation

The Year 3 Surgery Clerkship at Cedars-Sinai is devoted to the education of UCLA medical students in the fundamentals of general surgery. The six rotations offered include:

Acute Care Surgery (AKA “ACS”)
Advanced General Surgery (AKA “AGS-A” and “AGS-B”)
Minimally Invasive Surgery (AKA “MIS”)
Colorectal Surgery (AKA “CRS”)
Surgical Oncology (AKA “Onc”)

Each service has a team of residents, fellows, and attendings who are responsible for your education in the ER, on the wards, in the ICU, in the OR, and in the clinics.

Clerkship Site Director: Shirin Towfigh, MD, FACS
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Clerkship Site Coordinator: Sheila Yancy
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*****Please refer to the Cedars-Sinai medical student website (<http://www.cedars-sinai.edu/Patients/Programs-and-Services/Surgery/Surgical-Educational-Programs/Medical-Student-Education/>) for administrative details for your clerkship, including required forms, calendar, call schedule, rules and regulations, FAQ’s, contact information, etc.*****

GOALS:

- To provide students with a stimulating environment in which they may acquire the knowledge and skills required to diagnose and manage common general surgical diseases.
- To encourage students to seek opportunities for learning in a case-based manner while developing their clinical decision-making

Acute Care Surgery

OBJECTIVES:

- To function as an essential member of the surgical team.
- To appreciate the entire treatment cycle of the surgical patient, from consultation to recovery.
- To understand the clinical, laboratory, and radiologic resources available for diagnosing emergency surgical diseases in a time and resource-efficient manner.
- To understand the pre-operative workup and post-operative recovery of emergency general surgical patients, with special attention to the patients' comorbidities and risks for peri-operative morbidities.
- To establish correlations among clinical presentation, surgical pathology, and physiologic responses to surgery.
- To appreciate the social interactions necessary to succeed in the practice of surgery, especially as it relates to patients with emergency surgical diseases.
- To become familiar with ward and intensive care unit standards of care.
- To participate in daily patient care activities on the ward, in the ICU, in the ER, in the operating room, and in the clinic.
- To understand the surgical management of common emergency general surgical diseases, such as appendicitis, cholecystitis, and the acute abdomen.
- To understand the medical and surgical management of blunt trauma.
- To understand the medical and surgical management of penetrating trauma.

FACULTY:

Dr. Daniel Margulies
Dr. Ali Salim
Dr. Alex Allins
Dr. Eric Ley
Dr. Marko Bukur

WEEKLY SCHEDULE:

| Hour | Monday | Tuesday | Wednesday | Thursday | Friday |
|------|--|--|--|---|---|
| AM | 7:00 Round with Team 8:00 Attending Rounds 8:00-12:00 Emergency OR + Ward/ER Patient Care | 7:00 Round with Team 8:00 Attending Rounds 8:00-12:00 Emergency OR + Ward/ER Patient Care | 6:00 Round with Team 7:00 Grand Rounds (TBA) 8:00 Attending Rounds 8:00-12:00 Emergency OR + Ward/ER Patient Care | 6:00 Round with Team 7:00 Educational Conf 8:00 M+M Matrix 9:00-11:00 ACC clinic 11:00 Attending Rounds 8:00-12:00 Emergency OR + Ward/ER Patient Care | 7:00 Round with Team 8:00 Attending Rounds 8:00-12:00 Emergency OR + Ward/ER Patient Care |
| PM | 12:00 ICU Journal Club 12:00-5:00 Emergency OR + Ward/ER Patient Care 4:00-5:00 Evening Rounds | 12:00 Core Curriculum 12:00-5:00 Emergency OR + Ward/ER Patient Care 4:00 Resident Case Conf 5:00-6:00 Evening Rounds | 12:00-5:00 Emergency OR + Ward/ER Patient Care 4:00-5:00 Evening Rounds | 12:00-5:00 Emergency OR + Ward/ER Patient Care 4:00-5:00 Evening Rounds | 12:00-5:00 Emergency OR + Ward/ER Patient Care 4:00-5:00 Evening Rounds |

Starting the Rotation:

Call the Chief Resident on Acute Care Surgery service the day before you start to arrange a time and place to meet on your first day. If you do not know who that is, refer to the call schedule provided at the beginning of your rotation; the resident pager list and call schedule can also be found on the Cedars-Sinai Intranet:

<http://web/clinical/clinical-workstation-and-resources/call-schedules/surgery.aspx>

Common Diseases you may be evaluating:

- Acute abdomen
- Altered mental status
- Appendicitis
- Blunt Trauma
- Cholecystitis
- Penetrating Trauma
- Pneumothorax
- Shock
- Traumatic Brain Injury

Advanced General Surgery

OBJECTIVES:

- To understand the surgical management of common general surgical diseases, such as hernias, gallstone disease, breast masses, and abdominal tumors.
- To understand the clinical, laboratory, and radiologic resources available for diagnosing general surgical diseases in a time and resource-efficient manner
- To understand the pre-operative workup and post-operative recovery of general surgical patients, with special attention to the patients' comorbidities and risks for peri-operative morbidities
- To establish correlations among clinical presentation, surgical pathology, and physiologic responses to surgery
- To appreciate the social interactions necessary to succeed in the practice of surgery
- To become familiar with ward and intensive care unit standards of care
- To participate in daily patient care activities on the ward, in the ICU, in the ER, in the operating room, and in the clinic.
- To function as an essential member of the surgical team
- To appreciate the entire treatment cycle of the surgical patient, from consultation to recovery.

FACULTY:

AGS-A:

Dr. Brendan Carroll
Dr. Moses Fallas
Dr. Humberto Martinez
Dr. Mousa Moshfegh
Dr. Ricardo Navas
Dr. Daniel Schibler
Dr. Robert Uyeda

AGS-B:

Dr. Kenneth Adashek
Dr. Anton Bilchik
Dr. David Fermelia
Dr. Neel Joshi
Dr. Gregg Kai Nishi
Dr. Greg Tsushima
Dr. Matthew Wilson

Minimally Invasive Surgery

OBJECTIVES:

- To understand the surgical management of common general surgical diseases, such as hernias, gallstone disease, breast masses, abdominal tumors, morbid obesity, and diseases of the foregut.
- To understand the clinical, laboratory, and radiologic resources available for diagnosing general surgical diseases in a time and resource-efficient manner
- To understand the pre-operative workup and post-operative recovery of general surgical patients, with special attention to the patients' comorbidities and risks for peri-operative morbidities
- To establish correlations among clinical presentation, surgical pathology, and physiologic responses to surgery
- To appreciate the social interactions necessary to succeed in the practice of surgery
- To become familiar with ward and intensive care unit standards of care
- To participate in daily patient care activities on the ward, in the ICU, in the ER, in the operating room, and in the clinic.
- To function as an essential member of the surgical team
- To appreciate the entire treatment cycle of the surgical patient, from consultation to recovery.

FACULTY:

Dr. Edward Phillips
Dr. Harmik Soukiasian
Dr. Shirin Towfigh

WEEKLY SCHEDULE:

| Hour | Monday | Tuesday | Wednesday | Thursday | Friday |
|------|---|---|---|---|--|
| AM | 6:30-8:00 Phillips' Rounds (1 st , 3 rd Mondays, 8215NT) 7:15-1:00 5 th floor OR (2 nd , 4 th Mondays, Soukiasian) 9:00-12:00 Clinic (Soukiasian) | 7:00-1:00 310 Bldg OR (Phillips) | 7:00-8:00 Grand Rounds (ECC) 8:15-1:00 5 th floor OR (Towfigh), 310 Bldg OR (Phillips) | 7:00-8:00 Basic Science Conf (ECC) 8:00-9:00 Matric Conf (ECC) 9:00-11:00 Skills Center (Saperstein, MS10) | 7:00-1:00 5 th floor OR (Phillips, Soukiasian, Towfigh) |
| PM | 1:00-5:00 Clinic (Phillips and Towfigh, 770 W-MOT) | 1:00-4:00 310 Bldg OR (Phillips) 5:00-6:00 Journal Club (1 st , 3 rd Tuesdays), M and M (2 nd , 4 th Tuesdays), in 650 W-MOT | 1:00-5:00 5 th floor OR (Towfigh), 310 Bldg OR (Phillips) | 1:00-5:00 Clinic (Phillips and Towfigh, 770 W-MOT) | 1:00-5:00 5 th floor OR (Phillips, Soukiasian, Towfigh) |

Colorectal Surgery

OBJECTIVES:

- Take an accurate, focused patient history as it relates to colorectal and anal disorders, including risk factors, precipitating factors, and family history
- Ability to perform a focused physical exam, including a complete abdominal and rectal exam
- Knowledge of common acute and chronic disorders of the colon, rectum, and anus.
- Knowledge of gender and age-specific preventive measures for colorectal disorders
- Knowledge of appropriate use and interpretation of imaging modalities, such as plain x-ray, ultrasound, MRI, CT scan to diagnose or follow-up on colorectal diseases
- Knowledge of appropriate bedside procedures to diagnose common anorectal disorders, including hemorrhoids, fissures, and benign and malignant masses
- Knowledge of the indications and risks of minimally invasive surgery for colorectal diseases
- Evidence-based knowledge of treatment recommendations for colon cancer
- Knowledge of medical and surgical indications for treatment of inflammatory bowel disease
- Knowledge of colorectal and anal anatomy

FACULTY:

Dr. Eiman Firoozmand
Dr. Phillip Fleshner*
Dr. Mari Madsen
Dr. Beth Moore
Dr. Zuri Murrell*
Dr. Thomas Sokol

* Main contact faculty

WEEKLY SCHEDULE:

| Hour | Monday | Tuesday | Wednesday | Thursday | Friday |
|------|--|---------------|--|--|--|
| AM | 7:00-12:00 Colonoscopy | 7:00-12:00 OR | 7:00-8:00 Grand Rounds 8:00-12:00 Colonoscopy | 6:00 -7:00 work rounds 7:00-8:00 Resident/med student teaching conf 8:00 - 9:00 M+M Matrix Conference 9:00-12:00 OR | 6:00 -7:00 work rounds 7:00-12:00 OR |
| PM | 1:00-4:00 Physiology Lab 5:15-6:15 Core textbook Review | 12:00-5:00 OR | 12:00 IBD Conference 1:00: Clinic 5:00 Colorectal Clinical Conference 6:00 Case Review Conference (First Wed each month=Colorectal Cancer Conference) (Last Wed each month=Journal Club) | 200-4:30 Colorectal Surgery clinic (1 st Thurs each month) | 12:00: Pathology Conf (every other Friday) 1:00-5:00 OR |

Starting the Rotation:

Call the Chief Resident on Surgical Oncology service the day before to arrange time and place to meet on your first day. If you do not know who that is, refer to the call schedule provided at the beginning of your rotation; the resident pager list and call schedule can also be found on the Cedars-Sinai Intranet:

<http://web/clinical/clinical-workstation-and-resources/call-schedules/surgery.aspx>

Common Diseases you may be evaluating:

- Colon cancer
- Hemorrhoids
- Inflammatory bowel disease
- Anal fissures
- Bowel obstruction
- Anal tumors—benign and malignant
- Diverticulitis
- Infectious colitis

Surgical Oncology

OBJECTIVES:

- Take an accurate, focused patient history as it relates to their malignant disease, including risk factors, precipitating factors, and family history
- Ability to perform a focused breast exam
- Ability to concisely make a patient presentation at the bedside and in the clinic setting
- Knowledge of common malignant disorders, their biology, and their surgical and adjuvant therapies. These include breast, melanoma, stomach, endocrine, colon, etc.
- Knowledge of gender and age-specific preventive measures for patients at high risk for breast and other endocrine malignancies
- Knowledge of appropriate use of imaging modalities, such as ultrasound, MRI, CT scan to diagnose or follow-up on different malignancies, such as breast, pancreas, stomach, etc.
- Knowledge of appropriate bedside procedures to diagnose common benign and malignant breast disorders, including ultrasound, fine needle aspiration, core needle biopsy, stereotactic biopsy, etc.
- Knowledge of the indications and risks of minimally invasive surgery for malignant diseases
- Evidence-based knowledge of treatment recommendations for breast cancer, stomach cancer, pancreatic cancer, colon cancer, melanoma, etc.
- Knowledge of breast and axillary anatomy

FACULTY:

Dr. Allan Silberman
Catherine Dang
Scott Karlan
Edward Phillips
Farin Amersi

WEEKLY SCHEDULE:

| Hour | Monday | Tuesday | Wednesday | Thursday | Friday |
|------|---|---|---|---|---|
| AM | 6:00-7:15 Work rounds 7:15-9:00 Ward Patient Care 9:00—12:00 Clinic | 6:00-7:15 Work rounds 7:15-8:00 Ward Patient Care 8:00-12:00 Operating Room | 7:00-8:00 Grand Rounds 8:00-12:00 Library Research | 6:00-7:15 Work rounds 7:00-8:00 Educational Conference 8:00-9:00 M+M Matrix 9:15-10:15 Breast Cancer Tumor Board 10:30-12:00 Operating Room | 6:00-7:15 Work rounds 7:15-9:00 Ward Patient Care 9:00—12:00 Clinic |
| PM | 12:00-3:00 Clinic 3:00-4:00 Work Rounds | 12:00-3:00 Operating room 3:00-4:00 Work Rounds | 12:00-1:00 Surgical Oncology Tumor Board 1:00-5:00 Breast Clinic | 12:00-4:00 Operating Room 4:00-5:00 Surgical Oncology Conference | 1:00-3:00 Clinic 3:00-4:00 Work Rounds |