Orthopaedic Trauma Fellowship Program

Our mission: to serve, to heal, to educate.
Thank you for your interest in the Orthopaedic Trauma Fellowship at Cooper Medical School of Rowan University and Cooper University Hospital Program.

The Trauma Center at Cooper University Health Care was established in 1982 and is one of only three New Jersey State-Designated Level I Trauma Centers verified by the American College of Surgeons, the highest national recognition possible. Cooper serves as the regional Trauma Center for southern New Jersey and is the only hospital in the Delaware Valley that provides trauma care for both adults and children. Our Trauma Center cares for severely injured patients involved in motor vehicle crashes, falls, industrial accidents, and acts of violence. While a member Cooper’s Orthopaedic Trauma team, a vital component of caring for patients with traumatic injuries, you will have the opportunity to experience a blend of trauma that is both complex and more routine. You will frequently be asked to demonstrate independent clinical judgement and you should expect to function within a certain degree of autonomy.

At Cooper, we understand that the practice of Orthopaedic Trauma relies heavily on a multidisciplinary approach to patient care, necessary to achieve the best clinical outcomes. You will learn that achieving comprehensive, progressive care requires a large effort on the part of many specialties to get our patients and their families through this very difficult time. This team approach necessitates all clinical staff working collectively, throughout the hospital, in a collegial and collaborative fashion. We hope you will do your part to make our service the best in the country.

Rakesh P. Mashru, MD
Director, Orthopaedic Trauma Fellowship
Assistant Professor of Orthopaedics
**Educational Experience**

The educational program and core curriculum are intended to equip the Orthopaedic Trauma Fellow with the knowledge and skills to provide compassionate and excellent musculoskeletal care to orthopaedic patients.

The program consists of protected education time of no less than four hours per week.

1) Daily Fracture Conference (30 minutes)
2) Tuesday Orthopaedic Grand Rounds (1 hour)
3) Friday Core Curriculum (1 hour)
4) Journal Club, every other month (1-2 hours)

**Daily Fracture Conference**

On a daily basis, a 30-minute morning Fracture Conference is scheduled, free of clinical duties, to review and discuss fracture cases in an interactive, educational manner. New fracture cases admitted from the prior day will be presented and treatment plans formulated including discussion of surgical indications. Surgical cases from the prior day will be reviewed and critiqued in a constructive manner.

**Tuesday Morning Conference**

Every Tuesday, following daily fracture conference, dedicated time for orthopaedic grand rounds. The grand rounds is a CME approved (one credit per week) educational conference that covers a wide range of subjects including clinical orthopaedic surgery, ethics, safety, basic science (biomechanics, bone metabolism), and pain. The Fourth Tuesday of each month is Morbidity and Mortality Conference. In this conference, all relevant cases are reviewed and cases of special interest will be presented in detail including a discussion of the literature. Root Cause Analysis and Evidence-Based Medicine will be discussed as part of M&M conference with attempt and correction of any identified errors in judgement or treatment. Additionally, the fellow will present two power point presentations for Tuesday Orthopaedic Grand Rounds.

**Friday Core Curriculum**

Core curriculum lectures are protected educational time and take place on Friday mornings prior to Orthopedic Trauma Clinic. The fellow’s curriculum will be used for education, and the fellow and assigned attending will discuss the topic with a format to be chosen by the fellow and staff physician. Three to four topics per month will be covered. Each topic of the core curriculum will be under the direction of the one member of the Orthopaedic Trauma Fellowship faculty. The core curriculum time will include case presentation and discussion, review of textbook material, and review of in training questions with discussion. Each block, a new section leader will be assigned and is responsible for both direct instruction and oversight. Either the section leader or an outside lecturer of their choice can provide the didactic leadership. Section leaders, with the help of the program director, are responsible for confirming speakers. At the end of each section, a journal club will be held on the last Friday of the month under the direction of the section leader.
Journal Club

Journal Club will be held every other month at the end of each section of the core curriculum. The fellow is responsible for organizing the Journal Clubs along with the senior residents. Appropriate articles will be chosen with attending surgeon input and the fellow will decide on the format for the conference and lead the discussion. The Journal Club will be held on the last Friday of the month beginning at 5 p.m.

Gross Anatomy Dissections

Each spring, cadavers will be available as part of the medical school musculoskeletal curriculum. Fellows will be instructed in pertinent surgical anatomy and will be expected to participate in the education of the medical students. Anatomic dissections will be under the direction of the assigned faculty member for the week for the musculoskeletal curriculum. Fellows are required to complete the basic education from the PRIME Curriculum.

On Call

Fellows will take call three to four weeknights per month with an attending that has trauma privileges. The fellow will also take two weekend days on call with an orthopaedic trauma attending. The fellow’s responsibilities include speaking with the resident on-call and formulating a treatment plan prior to notifying the attending. The fellow is further responsible for executing the definitive management of the patient and elucidating a post-operative plan.

Outpatient Clinics

Fellows will have one half-day of clinic per week. This clinic time will allow for long term follow-up, evaluation, and work-up of referred malunion and non-union cases. This clinic allows the fellow the opportunity to follow multitrauma patients in the immediate post-operative period and guide the rehabilitation process.

Operating Room

Fellows will be assigned to the orthopedic trauma room (fracture room) on Monday, Tuesday, Wednesday, and Thursday. They may also spend time in the operating room with faculty not on the trauma service should the fellow wish to gain more specific experience a specific area. The fellow’s level of function will be commensurate with their ability.

Research

Fellows will be encouraged to develop and pursue independent projects and/or may participate in other on-going research. Support includes time, space, computer/statistical aid, equipment, supplies, trained orthopaedic technicians to facilitate projects, and the support of the attendings. Fellows are expected to engage actively in anatomic dissections and clinical/basic science research. The fellowship will require one completed manuscript ready for submission prior to graduation.
Faculty

Under the mentorship of three full-time orthopaedic trauma surgeons, two hand surgeons, one foot and ankle surgeon, one orthopaedic oncologist, and other subspecialty-trained orthopaedic surgeons, the fellow will be involved in the routine assessment, evaluation, and formulation of treatment plans with management strategies for orthopaedic trauma patients. The wide variety of clinical cases will allow the fellow to be comfortable with the principles needed to treat patients with all types of orthopaedic trauma and fractures.
Learning Experience

Library Services

The CMSRU Library provides a wide range of information resources and services. The collection reflects the demand for access to electronic materials with 6,000 e-journals and 2,000 e-books. The library maintains a small print collection of textbooks and review books as well as AV board review materials. Both collections are supplemented by an active and efficient document delivery service. Reference librarians can help users with quick searches and do-it-yourself search training. The librarians also perform expert, comprehensive searches of databases and internet resources on request.

Library resources are accessed through the library website. The library offers 40 public computers, with three printers and a scanner. The library is located on the ground floor of the hospital in the Roberts Pavillion. House staff may be admitted, via a badge swipe system, to the library’s computer center after regular library hours.

Block and Clinical Schedule

Monday
7 a.m. Fracture Conference Morning Report/Daily Rounding
8 a.m. Operating Room

Tuesday
7 a.m. Grand Rounds
8: a.m. Fracture Conference Morning Report/Daily Rounding
9 a.m. Operating Room

Wednesday
7 a.m. Fracture Conference Morning Report/Daily Rounding
8 a.m. Operating Room

Thursday
7 a.m. Fracture Conference Morning Report/Daily Rounding
8 a.m. Operating Room

Friday
7 a.m. Fracture Conference Morning Report/Daily Rounding
8 a.m. Fellow Specific Lecture
9 a.m. Fellow Clinic/Research/Academic Time

Library hours:
Monday–Thursday: 8:30 a.m.–8:30 p.m.
Friday: 8:30 a.m.–5 p.m.
Saturday: 10:00 a.m.–5 p.m.

Research Institute

The Cooper Research Institute (CRI) provides focused administrative and financial support for research to the Cooper Health System. CRI provides researchers with regulatory-mandated education, biostatistical support, and guidance through the Institutional Review Board. The institute helps researchers secure grants from government agencies, foundations, and industry, allowing them to continue Cooper’s long history of medical research.

Cooper faculty members conduct over 400 NIH foundation- and industry-sponsored clinical trials each year. Through basic and clinical research, researchers provide thousands of South Jersey patients access to cutting-edge treatment in the fields of cancer, cardiovascular disease, critical care medicine, diabetes, orthopaedics, stroke, and surgery.
How to Apply

The Orthopaedic Trauma Fellowship at the Cooper Medical School of Rowan University and Cooper University Hospital participates in San Francisco Match Service and all information is processed through this system without exception. Information regarding the San Francisco Match application process and timeline is available on the websites below.

**San Francisco Match**
www.sfmatch.org
www.ota.org

- Common application
- Curriculum vitae
- Medical school transcript
- Three original letters of recommendation, one of which must be from your current or most recent training director
- Personal statement describing your training goals and future career plans
- USLME reports (1, 2 and 3).

The program director and additional faculty members will review applicant files. Invitation for interview will be based upon their recommendations.

**Program Eligibility**

Eligibility for the Orthopaedic Trauma Fellowship Program requires that applicants must have completed an ACGME accredited residency and be ABOS eligible.

Individuals accepted for a position in the fellowship program must be a U.S. Citizen, classified as a resident alien, or hold a J-1 Visa.

Please visit the SF match or OTA websites for application deadlines.
It is extraordinary to have such a high concentration of leadership at one institution, but then, Cooper is an extraordinary health care system.

Cooper University Hospital is the center of a growing health sciences campus that includes the hospital, Cooper Medical School of Rowan University, MD Anderson Cancer Center at Cooper, the internationally acclaimed Coriell Institute for Medical Research, Sheridan Pavilion at Three Cooper Plaza medical offices, and the Ronald McDonald House. Adjacent to the Cooper Plaza/Lanning Square neighborhood, Cooper has a long history of outreach and service efforts to its local community. Some of these initiatives include health and wellness programs for the neighborhood, development of neighborhood parks and playgrounds, and outreach to programs into local schools.

The hospital’s 312,000-square-foot, 10-story Roberts Pavilion features an expansive lobby and concourse, a restaurant and coffee shop, health resource center, business center, gift shop, and chapel. State-of-the-art patient care facilities include private patient rooms, technologically advanced operating room suites with hybrid imaging capabilities, and an advanced laboratory automation facility. The Emergency Department features 25 beds, dedicated isolation suites, and autonomous CT scanning technology. Designated floors serve specific patient populations including those needing advanced surgical and heart care, along with South Jersey’s only dedicated 30-bed inpatient cancer unit.

Also in the Roberts Pavilion is the 25,000-square-foot Dr. Edward D. Viner Intensive Care Unit—featuring 30 private patient rooms equipped with the latest in advanced technology, and allowing 360-degree patient access. Five patient rooms are capable of negative pressure isolation, and five rooms have chambered isolation alcoves. In addition, an enlarged room with operating room caliber lighting is outfitted to perform bedside exploratory laparotomy in patients too unstable for transport to the operating room.

MD Anderson Cancer Center at Cooper, a four-story, 103,050-square-foot center located on the Cooper Health Sciences Campus in Camden, is dedicated to cancer prevention, detection, treatment, and research. The center includes bright, spacious chemotherapy treatment areas, patient exam rooms, a conference center, and advanced diagnostic and treatment technologies.

The design incorporates an aesthetic approach to healing with abundant natural light, a rooftop Tranquility Garden, an illuminated floor-to-ceiling “Tree of Life” centerpiece, and more than 100 pieces of original art created by 71 New Jersey artists.

Cooper Medical School of Rowan University’s (CMSRU) Medical Education Building is located on the Cooper Health Sciences Campus on South Broadway, between Benson and Washington Streets in Camden. The building, which opened in July 2012, was designed for CMSRU’s curriculum with spaces and technologies to support faculty and students in their educational process.
The Cooper Health Sciences Campus is located in the heart of Camden’s business district. The academic medical center campus is easily accessible by car or public transportation via the commuter high-speed line and bus terminal adjacent to the hospital.

Cooper is a short walk or drive from the exciting Camden waterfront which includes a magnificent waterfront park and marina; the Adventure Aquarium; and the BB&T amphitheater, which hosts nationally renowned entertainment throughout the year. Nearby are the Sixers Training Complex, L3 Communications complex, Lockheed Martin, Rutgers University Camden Campus, and Camden County College. There are expected to be $350M in transportation and infrastructure improvements within the next four- to five-years to handle the influx of thousands of new employees to the area and students at nearby growing academic campuses.

Cooper is conveniently close to Philadelphia. Just a mile-long drive over the Benjamin Franklin Bridge will put you at the doorstep of Philadelphia’s cultural, culinary, and historic venues. South Jersey also offers a range of living and entertainment options. Quaint towns such as Haddonfield and Collingswood are just 10 minutes away. The lights and action of Atlantic City and popular beach towns such as Cape May and Ocean City are a one-hour drive from Cooper.
Cooper Campus Map

The most up-to-date directions to Cooper University Hospital are available at: CooperHealth.org/Directions
World Class Care. Right Here. Right Now.

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Hospital Main Number: 856·342·2000  Graduate Medical Education: 856·342·2922