2018–2019

Orthopaedic Surgery Residency Program

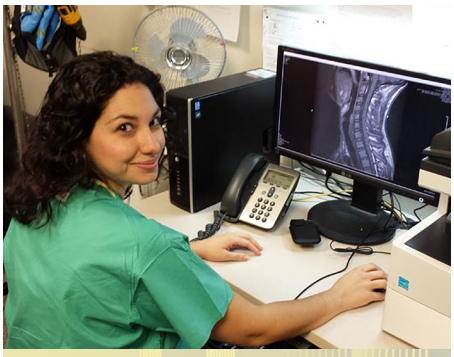
Our mission:

to serve, to heal, to educate.

Cooper University Health Care

Cooper Medical School of Rowan University

Orthopaedic Surgery Residency Program



The Orthopaedic Surgery Residency Program at Cooper University Health Care, the dominant tertiary referral hospital in southern New Jersey, prepares physicians for excellence in providing compassionate and excellent musculoskeletal care to orthopaedic patients.

For more than 30 years, orthopaedic surgery residents have received top-level training at Cooper in areas such as trauma, sports medicine, spine, adult reconstruction, tumor, hand, and microvascular surgery. In 2013, the ACGME approved Cooper University Health Care to start an independent orthopaedic surgery residency program with two residents per year.

Cooper's Orthopaedic Surgery Residency is a rigorous, five-year training program that will prepare residents to be leaders in the orthopaedic community. We follow the requirements of the ACGME. Upon completion of this program, residents will have the knowledge and skills necessary to go directly into practice as well-trained orthopaedic surgeons.

The Orthopaedic Surgery Residency is primarily concentrated within Cooper University Hospital. The only time residents will be off-site is for their pediatric orthopaedic surgery rotation. This rotation is during the third year of training and is four months in length. It takes place at Shriner's Hospital for Children in Philadelphia.

Residents rotate through all subspecialties during the five-year program, obtaining adequate exposure to all disciplines of orthopaedic surgery. Residents are given increasing responsibilities as their surgical skills allow; and, a high volume of cases ensures that residents will have the opportunity to hone their surgical skills while being exposed to a diverse case load.

Additionally, our residents have the opportunity to attend conferences such as orthopaedic Grand Rounds, daily fracture conference, tumor conference, bimonthly journal club, and more. There are opportunities for clinical research and each resident will be encouraged to complete at least one project during the five-year program. At the annual Research Day, all residents have the opportunity to present their research to the department and invited guests.

CooperHealth.edu

serve

Education Goals and Objectives

Cooper prides itself on tradition. For over 120 years, patients from Camden and the surrounding communities have come to Cooper University Hospital to receive a comprehensive range of health care services, including the highest level of tertiary care in the region.

The overall goal of the orthopaedic training program is to identify, educate, and equip physicians to treat with compassion, wisdom, and expertise in the musculoskeletal needs of others through direct care, research, education, and leadership. Successful orthopaedic residents must:

- Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.
- Gain medical knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as apply this knowledge to patient care.
- Investigate and evaluate his or her care of orthopaedic patients, appraise and assimilate scientific evidence, and continuously improve patient care based on constant self-evaluation and life-long learning.
- Demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and other health professionals.
- Commit to carrying out professional responsibilities with an adherence to ethical principles.
- Be aware and responsive to the larger context and system of health care, as well as having the ability to call effectively on other resources in the system to provide optimal health care.

heal

Educational Program and Core Curriculum

The educational program and core curriculum are intended to equip the orthopaedic resident 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.

- Daily Fracture Conference and Morning Report (30 minutes)
- Tuesday Morning Grand Rounds: 7 a.m. to 8 a.m.
- Tuesday Morning Resident Conference: 9 a.m. to 12 p.m. (Core Curriculum)
- Wednesday Morning Tumor Conference: 7 a.m. to 9 a.m.

Core curriculum lectures are protected educational time and are scheduled three hours in length. The subject matter covered in the core curriculum is based upon the content of the Orthopaedic In-Training Examination (OITE), review books, and over 130 online textbooks, as well as library access to online literature through PubMed and other databases. Each section of the core curriculum will be under the direction of one member of the orthopaedic faculty. The core curriculum time will include invited faculty lectures, case presentation and discussion, review of textbook material, and review of in-training questions with discussion.

Each month of the year will rotate to a new topic:

- July/August: Trauma
- September: Sports Medicine
- October: Basic Science
- November: Orthopaedic Oncology
- December: Foot & Ankle
- January: Joint Reconstruction
- February: Hand
- March: Shoulder/Elbow
- April: Spine
- May: Pediatrics
- June: Knee

Clinical Rotations

Adult Orthopaedic Surgery, Including Joint Reconstruction

Residents will have a structured learning environment that exposes them to both inpatient and outpatient adult orthopaedics, including primary and revision joint arthroplasty, sports medicine, oncologic surgery, spinal surgery, and reconstructive limb surgery. Joint replacement surgery will be done at the main teaching hospital under the direction of full-time, fellowship-trained total joint surgeons. Decision making regarding osteotomy and arthroplasty will be taught. Preoperative planning, templating implants, choosing appropriate biomaterials and rehabilitation after surgery will be emphasized. Residents will be in the clinics to develop competence in preadmission care and decision making, as well as involved during the hospital stay including surgery, post-surgical care, and discharge planning. Residents will also be involved with outpatient follow-up visits in the clinics. The opportunity for increasing responsibility for patient care will be possible as the residents will rotate on the joint replacement service in the PGY-2, 4, and 5 years. Instruction will include basic motor skills, soft tissue balancing, biomechanics of joint components, restoration of limb alignment and gait analysis.

Pediatric Orthopaedic Surgery

The residents rotate through the Shriner's Hospital for Children for four months during the PGY-3 year. During this rotation, the resident will gain experience in a vast array of pediatric orthopaedic disorders including neurologic disease, acquired deformity, developmental deformity, metabolic disease and trauma. Spinal cord and brachial plexus clinics will be attended by the residents. Post-traumatic and developmental deformities such as leg length inequality and angular deformity will be treated with instruction in decision making and surgical intervention. Surgical and nonsurgical fracture care will be taught including casting techniques both in and out of the operating room while at the Shriner's Hospital. Drs. Kozin, VanBosse, Pahys, Alburger, and others at Philadelphia Shriner's Hospital are fellowship-trained pediatric orthopaedic surgeons with vast experience as both clinicians and educators.

In addition to the broad exposure at the Shriner's Hospital for Children, residents will be exposed to pediatric trauma at Children's Regional Hospital at Cooper. All major pediatric trauma from southern New Jersey is brought to our trauma center and extensive pediatric trauma care is delivered including treatment of pediatric spine trauma, pelvic trauma, and limb trauma. In addition to isolated trauma, residents will be involved with multisystem pediatric trauma and pediatric ICU medicine. Fracture reduction, casting techniques, skin and skeletal traction, and operative treatment of pediatric fractures will be experienced throughout the residency.

How to Apply

The Orthopaedic Surgery Residency Program at Cooper University Health Care is an ACGME accredited program. We participate in the Match via the Electronic Residency Application Service (ERAS). Information regarding the ERAS application process and timeline is available on the website listed below.

Association of American Medical Colleges

ERAS applications must contain of the following information in order for your application to be considered:

- Common application form
- Photo
- 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.
- ECFMG certification (IMG only)
- USMLE reports (parts 1 and 2)

The program director and two additional faculty members will review applicant files. Invitation for interview will be based upon their recommendations. We generally hold two interview dates, one in December and one in January, by invitation only. There are two PGY1 positons each year.

Program Eligibility

Applicants must be U.S. citizens, be classified as resident aliens, or hold a J-1 Visa (for non-U.S. citizens, documentation is required). All applications are screened by the Selection Committee. Applicants must be eligible for graduation from a U.S. medical school before June 1 and be in good standing with the medical school.

Visiting medical student rotations are coordinated via VSAS. Please visit the following website for further information: http://www.rowan.edu/coopermed/students/visiting_students/.

Questions can be directed to visitingstudents@rowan.edu.

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The Cooper Campus and Surrounding Area

The expansion project at Cooper is a direct reflection of the growth in services that Cooper has experienced over the past several years.

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 Campus and Surrounding Area continued

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

campus

World Class Care. Right Here. Right Now.

One Cooper Plaza · Camden, NJ 08103-1489 · CooperHealth.edu

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