

2019-2020

Critical Care Medicine Fellowship Program



Our mission:

To serve. To heal.
To educate.



Cooper Medical School
of Rowan University

Welcome



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Critical Care Medicine Fellowship



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Thank you for your interest in the Critical Care Medicine Fellowship Program at Cooper University Hospital. Our program offers one- and two- year fellowships in critical care medicine and is fully accredited by the Accreditation Council on Graduate Medical Education (ACGME).

The Division of Critical Care Medicine is a component of the Department of Medicine. Cooper University Hospital, the major clinical site of Cooper Medical School of Rowan University (CMSRU), is a 635-licensed bed, not-for-profit academic medical center. It is the only Level 1 Trauma Center in southern New Jersey, dedicated to the treatment of the critically ill and critically injured patient.

Our critical care trainees are exposed to the spectrum of critical illness and critical injury and are fortunate to be taught by some of the world's leading academic intensivists.

The critical care faculty, CMSRU, and Cooper University Hospital are jointly committed to delivering the finest care to patients with critical illness and injury; educating the best academic and community hospital-based intensivists to become the leaders in their field; and furthering medical knowledge through the pursuit of innovative research in critical care medicine.

serve

Critical Care Medicine Fellowship Program



Our mission is to train balanced Intensivists who are equal parts Clinician, Scholar, Communicator, and Leader.

The Clinician

Great clinicians are the product of dedicated mentorship, diversity in patients and pathology, hands-on experience, and graduated responsibility. We aim to develop capable bedside clinicians using leading evidence and therapeutic techniques along with multimodal assessment tools in a high intensity multidisciplinary intensivist model.

The Scholar

It is our responsibility to propel the science and practice of critical care. Our program is committed to producing scholars who are knowledgeable consumers, practical educators, and capable contributors to the medical literature.

The Communicator

Care comes in many forms. It can be life-saving, life-sustaining, or life-transitioning. A plan of care is only as effective as its execution. Our fellows are trained to be empathetic communicators who coordinate and deliver care both effectively and compassionately to patients, families, and colleagues.

The Leader

The healthcare landscape is changing and it will dictate the way care is delivered to future generations. We are dedicated to developing the physician leaders of tomorrow by integrating the Art, Business, and Science of medicine through structured mentorship and the practical application of evidence-based, patient outcome-driven programs and projects.

heal

Critical Care Medicine Fellowship Program continued



Cooper prides itself on tradition. For more than 130 years, patients from Camden and the surrounding communities have come to Cooper University Health Care to receive a comprehensive range of health care services, including the highest level of tertiary care in the region.

Cooper University Hospital is the major clinical site of Cooper Medical School of Rowan University, which graduated its inaugural class of medical students in 2016. It is the largest academic medical center and the only Level 1 Trauma Center in southern New Jersey. Cooper serves the needs of a broad patient population consisting of primary, secondary, and tertiary medical care.

The Division of Critical Care Medicine is dedicated to providing patient-centered, multidisciplinary care for the critically ill patient. There are 93 critical care beds divided among the Medical/Surgical ICU (30), Intermediate ICU (12), Pediatric ICU (5), Trauma ICU (16), Trauma Step-down Unit (10), CCU (12), Stroke Unit (4), and four beds in our Critical Care Admitting Area. The Dr. Edward D. Viner Intensive Care Unit at Cooper University Hospital is an acknowledged center of excellence in the Delaware Valley, featuring a 25,000-square-foot, 30-bed state-of-the-art unit with the latest in advanced imaging and invasive monitoring equipment.

Our multidisciplinary patient care teams include pharmacologists and provide rapid response, consultation and management of patients outside the intensive care unit. The Cooper Transfer Center facilitates the safe, timely transfer and management of adult critically ill patients from various outlying hospitals in the Delaware Valley.

educate

Educational Experience



The goal of the Critical Care Medicine Fellowship is to train board-eligible or board-certified internists in the subspecialty of critical care medicine.

Fellows will be exposed to the clinical aspects of critical care medicine as well as teaching, administration, and research in order to prepare them to function in either an academic center or a community hospital environment.

The duration of the fellowship is one or two years, depending on board-eligibility requirements. A fellow may be offered an additional year to pursue research interests by special arrangement.

The medical/surgical intensive care unit is staffed by a multispecialty group of full-time faculty members from the departments of medicine, surgery and anesthesia. The ratio of faculty to trainees exceeds 1:1.

The first year is predominantly clinical, with the majority of time spent in the medical/surgical ICU and additional time in related clinical areas, such as intubation training, the cardiovascular surgery service and the coronary care unit. The second year provides time in the following areas: additional clinical experience in the critical care units, elective and research. Fellows who intend to pursue academic careers are encouraged to spend at least six months on a research rotation.

Rotations are available in the pediatric ICU (under the direction of the pediatric intensivists) and shock-trauma unit (under the direction of the trauma surgeons). Electives available include pulmonary medicine, nephrology, clinical anesthesia, infectious diseases, neurocritical care, and echocardiology. The program for each fellow is tailored to that fellow's background and goals.

Procedures

The attending physician has ultimate responsibility for care rendered by the critical care fellow. Therefore, depending on the procedure and the degree of experience of the trainee, supervision of procedures may or may not be required. Supervision, when required, will be direct observation of the fellow performing the procedure by the attending physician or other qualified supervisor.

Research

All fellows will be expected to complete a research, quality improvement, and patient safety project during their fellowship, and protected time is provided for this purpose. The time commitment and extent of research involvement depends upon the fellow's interest in pursuing an academic career. Each fellow's research interest will be matched with appropriate investigative projects in clinical or basic science research, and will be guided and monitored by an academic critical care physician whose expertise coincides with the area under study.

While participation in ongoing projects is invited, two-year trainees are required to implement at least one laboratory or clinical research project of their own design and present their data in an open scientific forum.

Didactic Conferences



Didactic conferences are held daily.

Critical Care Board Review

Faculty present at this lecture every Monday. The conferences are designed to teach the fellows about the mechanics of multiple-choice questions and to help our fellows maintain a 97 percent board pass rate.

Critical Care Case Conference

Every Wednesday morning, fellows and faculty present a clinical case prior to rounds. The goal of this conference is to provide real-world bedside education in a clinical case format.

Critical Care Journal Club

Critical care fellows are assigned a journal club article and a faculty mentor to dissect the article and present it once a month.

Fellows' Grand Rounds

Our senior fellows have the responsibility for presenting one topic each year with faculty support. The fellow is expected to assemble and moderate the conference, provide audiovisual support and hand-outs for the case and invite individuals with special expertise to the conference.

Didactic Lectures

These lectures are held bi-weekly. State-of-the-art lectures are presented not only by the critical care faculty, but in keeping with the multidisciplinary nature of the training program, didactic lectures may also be given by faculty and visiting professors specializing in trauma, infectious disease, cardiovascular, or emergency medicine. We invite regional, national and internationally-renown faculty to discuss the most important topics in critical care.

Morbidity and Mortality

All deaths in the medical/surgical intensive care unit and any morbidity is reviewed. Fellows are assigned to present a case synopsis for the deaths and morbidities once a month.

Ultrasound

Critical Care Faculty and Fellows present at this lecture every Friday morning in preparation for Critical Care Echo Boards. Image review is an integral part of this conference.

Didactic Conferences continued



Teaching Rounds

Conducted daily in the medical/surgical ICU by critical care faculty with active participation by fellows and the multidisciplinary patient care team members.

Annual Board Review

A two-day comprehensive, multidisciplinary review.

Simulation Lab

Simulation Lab is held once a month. Sample topics are:

- Difficult Airway
- Bleeding cardiac surgery patient
- Mechanical circulatory support
- Cricothyrotomy
- Management of elevated intracranial pressures

The SimLab is a state-of-the-art-simulation facility where fellows develop and enhance their procedural skills, difficult airway management, bronchoscopy and crisis team response. In addition, the SimLab provides the opportunity for fellows to teach junior residents and medical students basic procedures and management of medical emergencies.

Fundamental Critical Care Support (FCCS)

Developed by the Society of Critical Care Medicine, FCCS is a standardized course on the basic principles of critical care that is administered in August to all new critical care fellows and residents.

Multi-disciplinary Conference

ED-CCM: Engaging interdepartmental collaborations around stimulating topics. An example is: "Controversies in Critical Care: Prophylactic antibiotics after cardiac arrest – yes or no?"

Educational Presentations

Mondays, Wednesdays, and Fridays the fellows and faculty give educational lectures to residents and medical students to educate the house staff and refine their presentation skills.

Opportunity to Function as a Junior Attending

Fellows will have the opportunity to function as an attending and lead the multidisciplinary team in making patient-care rounds during the final months of either the two-year or one-year training program.

Didactic Conferences continued



Critical Care In-Service Examination

The Multidisciplinary Critical Care Knowledge Assessment Program (MCCKAP) administered through the Society of Critical Care Medicine is a four-hour standardized critical care in-service examination given annually to all critical care fellows. MCCKAP allows critical care fellows to compare their knowledge base with other critical care fellows nationwide, and the fellows in the two-year program are able to evaluate their progress between the first and second year of the program. Only the respective fellow and the program director will know actual examination results.

Schedule

Weekday	Educational Conference
Monday	Board Review
Monday, Wednesday, Friday	Resident and Medical Student Lectures
Tuesday and Thursday	Didactics, M&M, Grand Rounds, Journal Club, Simulation
Wednesday	Case Conference
Friday	Ultrasound

How to Apply



The Critical Care Medicine Fellowship Program at Cooper University Hospital participates in the Electronic Residency Application Service (ERAS). Information regarding the ERAS application process and timeline is available on the websites listed below.

Association of American Medical Colleges

aamc.org/eras

ERAS Fellowship Document Office

aamc.org/students/medstudents/eras/fellowship_applicants

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

- Common application form
- 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)
- USLME reports (1,2 and 3)
- Osteopathic COMLEX examination

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

Program Eligibility

Eligibility for the Critical Care Medicine Fellowship requires a minimum of three years of ACGME medical training in internal medicine or emergency medicine. Individuals accepted for a position in the fellowship program must be U.S. citizen, classified as a resident alien, or hold a J-1 visa.

The application deadline for the 2019-2020 academic year is July 31, 2018.

Interviews will be complete by early September, 2018.

Contact Information

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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 Camden health sciences campus that includes the hospital, Cooper Medical School of Rowan University (CMSRU), MD Anderson Cancer Center at Cooper, Sheridan Pavilion at Three Cooper Plaza medical offices, the internationally acclaimed Coriell Institute for Medical Research, 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, 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 considered too medically unstable for transport to the operating room.

Cooper University Health Care and MD Anderson Cancer Center in Houston, Texas, partnered in 2013 to create MD Anderson Cancer Center at Cooper. Our partnership is a full clinical integration between the two programs. MD Anderson at Cooper physicians adhere to the same philosophy, processes, and guidelines set by MD Anderson in Houston, and patients receive the same proven practice standards and treatment plans provided at MD Anderson. Today at MD Anderson at Cooper, patients have access to more clinical trials for more types of cancer than ever before, as well as a full range of supportive care services.

Advanced, comprehensive cancer services are provided at our Camden, Voorhees, and Willingboro campuses. Cooper Digestive Health Institute locations are fully accredited MD Anderson at Cooper locations providing



The Cooper Campus and Surrounding Area continued



innovative gastrointestinal cancer prevention, detection, and treatment services. Additional cancer clinical services are provided at multiple locations throughout the Philadelphia-South Jersey areas.

CMSRU's Medical Education Building is located on the Cooper Health Sciences Campus on South Broadway, between Benson and Washington Streets in Camden. The medical school, which opened in July 2012, was designed to support an innovative curriculum that integrates knowledge of basic science concepts, early clinical experience and patient care, self-directed learning, teamwork, and medical and non-medical activities for the greater community's benefit.

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 PATCO 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 Pavilion, 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 Camden Campus Map



The most up-to-date directions to Cooper University Hospital are available at:

CooperHealth.org/Locations

campus



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

Hospital Main Number: **856.342.2000** Graduate Medical Education: **856.342.2922**