2015 / 2016
Diagnostic Radiology Residency Program

To serve, to heal and to educate
Welcome to the Cooper University Hospital Department of Radiology. We are an advanced diagnostic radiology residency that is accredited through the ACGME. We are a 4-year program with an optional transition year here at the hospital. We currently accept 4 residents per year through the ERAS match program. We pride ourselves in educating and training clinically oriented diagnostic radiologists who are comfortable practicing in both, academic and community settings. We have outstanding faculty with representation throughout all subspecialties. They are committed to teaching the residents their areas of expertise.

Our residents have exposure to a wide variety of pathology here. We are the South Jersey designated Level 1 Trauma Center. Two years ago we affiliated with MD Anderson Cancer Center to provide comprehensive treatment of all malignancies. The Cooper Medical School of Rowan University started its inaugural class in August 2012. The students will rotate through the Department of Radiology in their fourth year elective time. They also longitudinally follow patients which periodically brings them to the Radiology Department to answer questions. Our residents look forward to teaching the medical students on their elective rotations.

The residents have ample opportunity for pursuing scholarly activities. Many of our past graduates have published papers, on-line case reports and frequently attend national meetings presenting posters and scientific presentations. We emphasize a team approach and pride ourselves in the camaraderie of frequent consultations between the faculty and residents within our reading room. I believe that a friendly environment improves teaching and productivity. Our residents consistently are selected to outstanding fellowships throughout the country. Many of our graduates currently hold academic positions. I believe it is the highest compliment to have graduates to return as faculty. We now have six faculty members that trained at our institution. If you would like to get a well-rounded education at a busy but friendly work environment, this is the place for you.
The Diagnostic Radiology Residency is a four year program commencing at the PGY-2 level with the option of an included transitional year. Each year through the ERAS match program we welcome four new residents. The principal objective of our program is to educate clinically oriented general diagnostic radiologists who are equally qualified to practice in an academic university or community setting.

In addition, our faculty engender in the residents, the skills and enthusiasm required to maintain a lifelong commitment to continuing education in the field of radiology. Upon completion of the program our residents are selected to outstanding fellowships throughout the country.

The Program Director and Program Coordinator are dedicated to enforcing the ACGME, ACR and ABR teaching requirements. This includes attending the National AUR conferences for maintaining updated and accurate information. A dedicated conference room with AV equipment and ample space for daily resident conferences is provided. A minimum of ten hours weekly is designated to these conferences. The conferences consist of a combination of didactic clinical lectures and presentations of case material. A full course in the physics of radiology and radiobiology is integrated into the conference schedule. Through the Gilbert Endowment educational funding is provided for guest lectures, oral board reviews and various courses. As a result of our close proximity to Philadelphia, residents are encouraged to take advantage of the many city-wide conferences and lectures sponsored by the Philadelphia Roentgen Ray Society and other city-wide Radiology societies. The department maintains a PACS teaching file, ACR teaching files, a wide selection of CD-ROMs, videotape lectures and electronic teaching tools such as STATdx and RADPrimer.

Outside rotations include attendance at the American Institute for Radiologic Pathology (AIRP™) four-week Radiologic Pathology Correlation Course in Silver Spring, MD, and a four-week rotation at St. Christopher’s Hospital for Children in Philadelphia. The mammography rotations are at our Voorhees outpatient faculty under the supervision of fellowship trained women’s imaging subspecialists.

The Department of Radiology at Cooper University Hospital has developed objectives to guide the residents through clinical rotations. Clinical rotations enable the resident to accumulate knowledge, develop technical skills and establish decision-making processes. These objectives are to be used as general guidelines with respect to the residents’ progression. The objectives are used as a relative measure of the residents’ progress.
The emphasis of the radiology residency curriculum is the acquisition of knowledge and skills utilizing a system-based approach including all of the subspecialties (e.g., neuroradiology, musculoskeletal, etc). This ensures that the six core competencies; patient care, medical knowledge, practice based learning, interpersonal skills, professionalism, and system based practice are attained. The department performs over 250,000 examinations yearly at our locations. The small program gives the residents ample opportunity for considerable hands-on experience, as well as an ideal faculty-to-resident ratio. The residents assume graduated clinical responsibility under the critical review and supervision of our professional staff. These are evaluated through monthly and semi-annual evaluations using the New Innovations Residency Program. Commensurate with the resident’s increasing level of experience, individuals assume teaching responsibilities for house staff and medical students, as well as participate in research activities. Cooper University Hospital provides the residents with an opportunity to present posters during research week. Residents attend teaching conferences by the director of research, the hospital statistician, medical library staff and risk management. Our Medical Library houses over 4,000 online journals available to all residents, fellows and physicians. A one month research elective is required. During this time residents develop the necessary research skills to pursue academic endeavors such as publishing peer reviewed articles. Funding is provided to present the accepted research projects at national meetings.

The Department of Diagnostic Radiology at Cooper University Hospital is pleased to introduce:

PACS (Picture Archiving and Communication System)
Revolutionizing Medical Imaging Services

- Conversion to the new integrated RIS/PACS system was completed in June 2006.
- This is a “filmless and paperless” system where all radiology studies are available on-line via the intra or internet to referring physicians.
- This system is 100% SR (Speech Recognition)
- The prior radiological hardcopy films (x-rays, CT’s, etc.) are stored off-site at the Cooper University Hospital warehouse. Appropriate prior studies have been stored in the RIS/PACS system.

State-of-the-art equipment includes:

- 64 Slice Toshiba CT
- 32 Slice Toshiba CT
- 16 Slice Toshiba CT
- Digital Fuji CR
- Digital Siemens Fluoro
- Digital Mammography
- Antares Ultrasound
- Phillips Ultrasound
- 1 MRI 1.5 T Siemens Symphony
- 2 MRI 1.5 T Siemens Espree Magnet
- 1 MRI 1.5 T Toshiba Titan Magnet
- Bone Densitometer
- PET/CT Biograph 6
- 2 Digital Angio Suites
- Hiver Angio Suite
Benefits

- Professional yet friendly atmosphere among residents and attending staff
- No independent call until late June of the first year after "mentored call" with a more senior resident from April to June.
- AIRP—tuition and $1,700 for living expenses
- 3rd year meeting (must be a major National meeting and must be approved in advance by the program director): tuition and up to $1,000 expenses
- Tuition for core exam reviews will be provided
- Book Stipend - $500/year, including iPads in the first year
- Brant & Helms–Fundamentals of Diagnostic Radiology (or other pertinent text for Annual Course) presented at orientation
- Vascular Interventional Requisites Text
- Additional meeting tuition:
  - Physics Review
  - St. Christopher’s Pediatric Weekend
  - Other meetings as approved
- 10 hours of conferences per week
- Monthly meal subsidy
- Free resident parking
- Vacation:
  - 4 weeks per year, plus 1 week at Christmas/New Years
  - 5 days during the 3rd or 4th year for job/fellowship interviews
- 2 months elective time in the first 3 years, 9 months elective in the 4th year
- ACR CD ROM teaching file
- Internet access for on-line learning
- STATdx and RADPrimer

The emphasis of the diagnostic radiology residency curriculum is the acquisition of knowledge and skills based upon organ-specific categories and subspecialties.
How to Apply

The Diagnostic Radiology Residency Program at Cooper University Hospital participates in the Electronic Residency Application Service (ERAS), and all information is processed through this system without exception. Information regarding the ERAS application process and timeline is available on the websites listed below.

**Association of American Medical Colleges**  
www.aamc.org/eras

**ERAS Fellowship Document Office**  
www.erasfellowshipdocuments.org

ERAS applications must contain 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)
- USMLE 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 Diagnostic Radiology Residency Program requires a minimum of three years of ACGME-accredited training in internal 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 2015-16 academic year is August 31, 2014.

**Contact Information**

**Director:**  
Joshua D. Brody, DO

**Associate Director:**  
Ron Gefen, MD

**Contact:**  
Sandra Knapp, Coordinator

**Phone:**  
856·342·2383

**Fax:**  
856·365·0472

**E-mail:**  
knapp-sandra@cooperhealth.edu

**Website:**  
cooperhealth.edu/diagnosticradiology

**Address:**  
Cooper University Hospital  
Department of Radiology  
One Cooper Plaza, Suite B23  
Camden, NJ 08103
The Cooper Campus and Surrounding Area

It is extraordinary to have such a high concentration of leadership at one institution but, then, Cooper is an extraordinary hospital.

Cooper University Hospital is the center of a growing health science campus that includes the main hospital, Cooper Medical School of Rowan University, MD Anderson Cancer Center at Cooper, the internationally acclaimed Coriell Institute for Research, 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 three neighborhood parks and playground, and outreach to programs into local schools.

The Hospital’s 312,000-square-foot, 10-story Roberts Pavilion houses state-of-the-art patient care facilities, including 120 private patient rooms, a 30-bed medical/surgical intensive care unit, 12 technologically advanced operating room suites with hybrid imaging capabilities, an advanced laboratory automation facility and a 14,000-square-foot Emergency Department. The Emergency Department features 25 beds, dedicated isolation suites and autonomous CT scanning technology. Two new floors in the Roberts Pavilion, each with 30 private patient rooms, opened in August 2014. The two floors are designed to serve specific patient populations with Pavilion 8 serving a growing advanced-care surgery patient population and Pavilion 9 serving the Cooper Heart Institute for hospitalized heart patients. The Pavilion features an expansive lobby and concourse, a restaurant and coffee shop, health resource center, business center, gift shop and chapel.

The Pavilion also houses the 25,000-square-foot Dr. Edward D. Viner Intensive Care Unit. A design showcase for patient and family-centered care, the unit features 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.

In 2013 Cooper celebrated the opening of MD Anderson Cancer Center at Cooper, the $100 million, four-story, 103,050-square-foot center located on the Cooper Health Sciences Campus in Camden, dedicated to cancer prevention, detection, treatment and research. MD Anderson Cancer Center at Cooper offers South Jersey’s only dedicated inpatient, 30-bed cancer unit adjacent to the new cancer center at Cooper University Hospital. The center includes bright, spacious chemotherapy treatment areas, patient exam rooms, conference centers and advanced diagnostic and treatment technologies. The designers incorporated 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.
The Cooper Campus and Surrounding Area

Cooper Medical School of Rowan University Medical Education Building is located on the Cooper Health Sciences Campus on South Broadway, between Benson and Washington Streets in Camden. The new $139 million 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. In 2012, CMSRU welcomed the class of 2016 with 50 students.

The Cooper campus is located in the heart of the Camden’s business district. The academic medical center campus is easily accessible by car or public transportation—the commuter high-speed line and bus terminal are located a half-block from the campus. Cooper is a short walk or drive from the exciting Camden waterfront where the New Jersey State Aquarium, the River Sharks stadium, the USS New Jersey and Susquehanna Bank Center are located.

Cooper is conveniently close to Philadelphia. Just a mile-long drive over the Benjamin Franklin Bridge or a ferry boat ride 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 those other 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