

Emory Radiology and Clinical Care

The Department of Radiology and Imaging Sciences has 11 clinical divisions serving Emory Healthcare, the largest academic health system in Georgia. Emory Healthcare's network of hospitals, clinics, and specialty care centers serves highly diverse populations in both urban and suburban settings starting in metropolitan Atlanta and spreading across north Georgia.

ABDOMINAL IMAGING

The division provides clinical imaging services utilizing CT, MR, ultrasound, and fluoroscopic imaging. Clinical research advances diagnostic and treatment possibilities for abdominal conditions while dose optimization efforts are setting new standards for quality and safety.

BREAST IMAGING

Breast health centers at each hospital serve distinct, diverse populations. Their multidisciplinary team approach means imagers collaborate with surgeons, pathologists, and oncologists to provide outstanding patient and family-centered care. Research is advancing clinical care with breast digital tomosynthesis, stereoscopic breast imaging, radioactive seed localization, and modality comparison for optimum imaging in neoadjuvant chemotherapy.

CARDIOTHORACIC IMAGING

The division operates a state-of-the-art Cardiac Imaging Center in partnership with the Department of Cardiology, where radiologists, cardiologists, and research physicists collaborate on novel diagnostic and monitoring protocols. The division also provides comprehensive cardiothoracic imaging services across Emory's network of hospitals.

COMMUNITY RADIOLOGY SPECIALISTS

The division delivers Emory's world-class care to patients in Atlanta's suburbs through Emory Johns Creek Hospital, Emory Saint Joseph's Hospital, Emory Decatur Hospital, and Emory Hillandale Hospital. The division also serves outpatient imaging centers in Cobb, Forsyth, and Henry counties. It also provides comprehensive coverage for other Emory-affiliated hospitals and outpatient imaging centers as they come online. The division's subspecialty fellowship-trained, board certified radiologists emphasize clinical service with bi-directional use of PACS infrastructure to promote efficiency without sacrificing the quality of interpretations.

EMERGENCY AND TRAUMA IMAGING

The division's subspecialty-trained radiologists work across Emory's network of hospitals including the Level 1 trauma center at Grady Hospital to meet growing demand for emergency department imaging services and also for off-hours STAT inpatient imaging interpretation. The division also leads the Department of Radiology and Imaging Sciences' planning for mass-casualty events in coordination with Emory's Office of Critical Event Preparedness and Response.

INTERVENTIONAL NEURORADIOLOGY

The division is based at Emory University Hospital and also provides care for Children's Healthcare of Atlanta at Egleston. Faculty members specialize in cutting-edge clinical techniques for numerous neurovascular conditions including cerebral aneurysms, stroke, arteriovenous malformations, and compression fractures. Advanced research is possible with two state-of-the-art angiographic suites with 3-D capability.

INTERVENTIONAL RADIOLOGY & IMAGE-GUIDED MEDICINE

Faculty are field leaders pioneering image-guided oncologic care for liver, kidney, lung, and bone cancers through Emory Winship Cancer Institute, a National Cancer Institute-Designated Comprehensive Cancer Center. The division also offers novel treatments for peripheral vascular disease, vascular malformation, and venous disease as well as for uterine fibroids and nerve pain syndromes. Collaboration with colleagues in other specialties is a hallmark.

MUSCULOSKELETAL IMAGING

The division provides musculoskeletal imaging across Emory Healthcare's network, plus diagnostic and interventional sports medicine imaging at select locations including the sports medicine and training complex shared with the Atlanta Hawks NBA team. MSK radiologists perform both diagnostic and therapeutic ultrasound and CT-guided interventions as well as MR arthrography. Specialized equipment includes the Carestream Cone Beam CT for 3-D weight-bearing imaging studies and a Siemens Magnetom Skyra 3T MRI for 3-D joint and spine imaging.

NEURORADIOLOGY

The division provides highly subspecialized imaging expertise across sites. Reading rooms embedded within Otolaryngology, Neurology, and Neurosurgery clinics facilitate multidisciplinary approaches to clinical care and foster research and educational collaborations. The division also provides expertise with stroke and head trauma imaging for Grady Memorial Hospital, and pediatric neuroradiology expertise for Children's Healthcare of Atlanta locations. Cutting-edge MR and CT imaging techniques are routinely utilized in the care of patients.

NUCLEAR MEDICINE & MOLECULAR IMAGING

Nurse navigators, nuclear medicine technologists, and medical physicists join our nuclear medicine and molecular imaging physicians in providing personalized, holistic patient care. We take primary responsibility for therapeutic decisions in collaboration with our colleagues in medical oncology, urology, endocrinology, and other specialties through Winship Cancer Institute. We additionally advance knowledge and quality of care through clinical and translational research. All of this is why Emory is the first and only SNMMI Comprehensive Radiopharmaceutical Therapy Center of Excellence in Georgia.

PEDIATRIC IMAGING

The division serves Children's Healthcare of Atlanta locations at Egleston, Scottish Rite, and Hughes Spalding, Grady Hospital NICU, Emory University Hospital Midtown, and Emory Johns Creek Hospital. The division covers radiography, fluoroscopy, CT, PET/CT, ultrasound, nuclear medicine, bone densitometry, and MR imaging, plus radiopharmaceutical therapy with I-131 for thyroid disease and I-131 MIBG for neuroblastoma. The division also offers a consultative fetal MRI program. The division utilizes protocols designed for children with precise configurations to accurately diagnose clinical questions, minimize radiation exposure, and reduce sedation.