



Norwalk Hospital

Diagnostic Radiology Residency Program



Greetings from the program director

Thank you for visiting the Norwalk Hospital Radiology Residency website. We are pleased that our program is of interest to you. We appreciate this opportunity to introduce you to our residents and faculty, and to show you our hospital and department.

Our program has many unusual features, which are detailed below. We are proud of our tradition of excellence in education, and our reputation for outstanding clinical training.

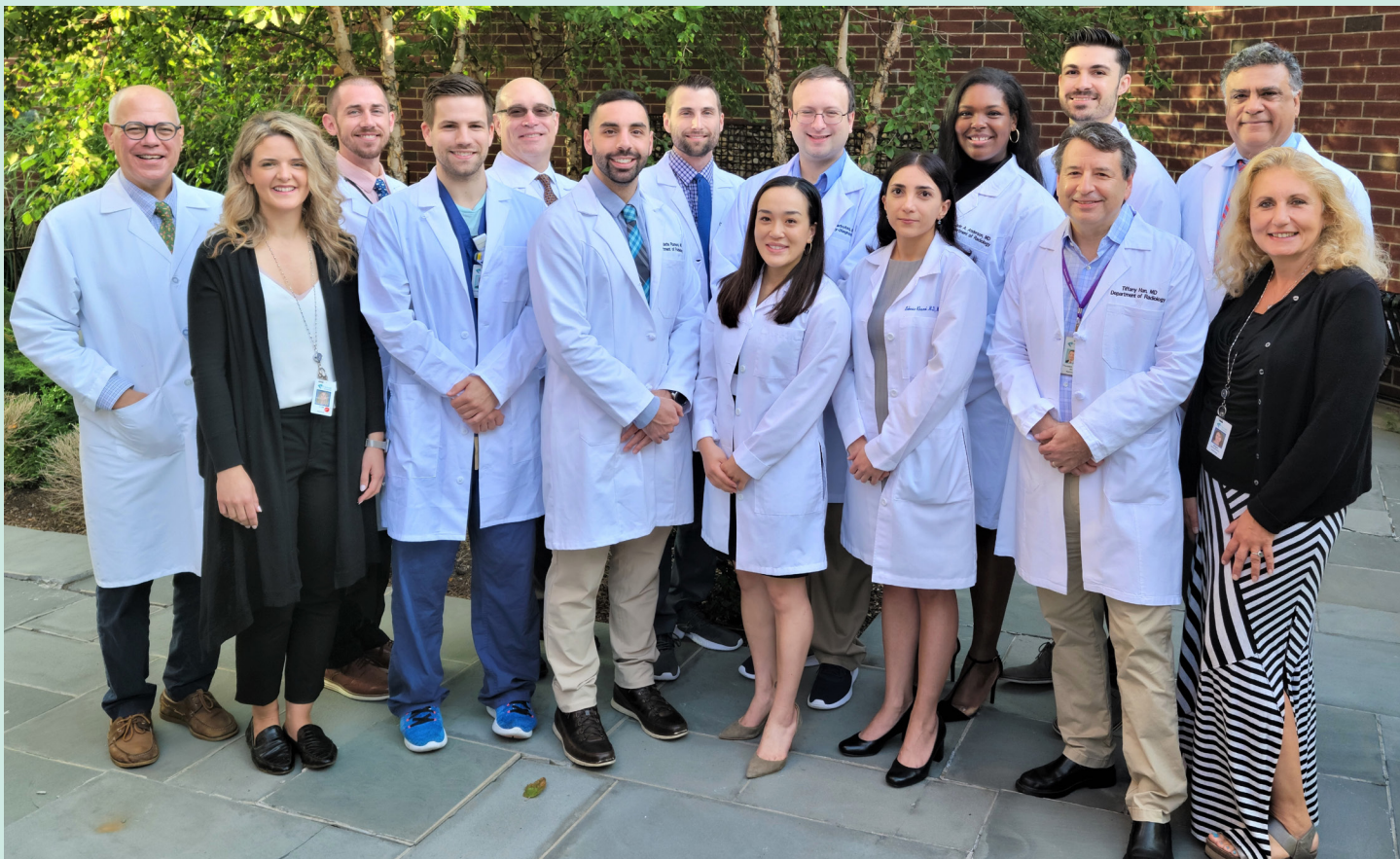
Please review the following materials to learn more about our community program. If you have additional questions, please feel free to contact our Program Coordinator, Anila Dalipi, the residents, or myself.

Sincerely,

Francis T. Flaherty, MD



Francis T. Flaherty, MD
Program Director



Pictured, Left to Right: M. Hollander, A. Dalipi, S. Carter, L. Melchior, F. Flaherty, M. Homsy, S. Wojtkiewicz, T. Han, R. Narbutas, B. Khazai, J. Anderson, B. Olson, T. Krebs, F. Sandhu, A. Afentoulides

Program structure and philosophy

Norwalk Hospital's residency in Diagnostic Radiology provides a clinically intense but highly supportive environment for resident training, which is essential to our educational philosophy and approach to teaching. The program consists of 10 radiology residents, three alternating with two in each of the four years. The teaching faculty is composed of 14 fellowship-trained radiologists.

The formal didactic education of our residents is extensive. In brief, the morning and noon lectures from our attending radiologists are excellent, with education further strengthened by several invited guest lecturers from neighboring institutions. Residents are involved in preparing the weekly tumor board, an invaluable learning experience and great preparation for fellowship. We sponsor our residents to attend AIRP to learn radiologic-pathologic correlation in preparation for the CORE boards exam. In addition to the board preparation provided by our faculty, our residents also attend multiple radiology board and physics review courses.

In the absence of fellows, residents gain a primary role in image interpretation, patient management, decision-making and the performance of procedures. This front-line position enables our residents to acquire substantial clinical skills early on in their training. For this reason, our graduates are eagerly sought for fellowships and attending positions in both academic and private practice settings. Our residents have gone on to fellowship training programs at numerous world-class academic medical centers, leading to successful careers in both academia and private practice.

Fatejeet S. Sandhu, MD



Fatejeet S. Sandhu, MD

Chairman of the
Department of Radiology

University affiliations

Norwalk Hospital is an outstanding, comprehensive community teaching hospital providing services to a diverse patient population. We are able to provide excellent clinical training in diagnostic radiology. However, it is our belief that some subspecialties of diagnostic radiology should be studied, at least in part, at a university center. For this reason, we work closely with Yale University and Columbia University, where our residents spend a total of four months of their 48 months of training. The usual rotation arrangement includes two months of pediatric radiology at the NewYork-Presbyterian Morgan Stanley Children's Hospital, and one to two months of elective rotations at Yale New Haven Hospital.

Norwalk Hospital has an inpatient pediatric unit with outstanding staff pediatricians and a newborn intensive care nursery. However, because acutely sick children are often referred to tertiary care centers, we believe there is value in performing rotations in pediatric radiology at the NewYork-Presbyterian Morgan Stanley Children's Hospital.

Similarly, residents at Norwalk Hospital acquire intensive experience in neuroradiology while on rotations in computed tomography, magnetic resonance imaging, and interventional radiology. However, two additional months of electives at Yale New Haven Hospital can be used for additional rotations in neuro-radiology or any other subspecialty. Musculoskeletal and chest radiology have both been especially popular. Alternatively, one or both months can be used for university-based research and investigation.

Our relationship with Yale University is long-standing. Several current staff radiologists at Norwalk Hospital are former Yale residents, fellows, or faculty. Many of Norwalk Hospital's radiology residents have accepted fellowship and/or faculty positions at Yale.

By including appropriate rotations and working closely with Columbia and Yale, we feel that we have created a program that includes the best of both worlds: the outstanding clinical training a community hospital can provide with enough university experience to complete a well-rounded training curriculum.





Educational curriculum

The first few weeks of initial training include a mix of didactics dedicated for the first year radiology residents. These include lectures in the basics of radiology, radiation protection, handling of emergency situations (particularly contrast reactions), ultrasound, and fluoroscopy. The clinical rotations are in four-week blocks incorporating the usual subspecialties of diagnostic radiology. Our curriculum is organ-system based with core rotations in musculoskeletal imaging, neuroradiology, interventional radiology, body imaging, nuclear medicine, ultrasound, mammography, and GI/fluoroscopy.

The Pediatric experience is supplemented by rotations at NewYork-Presbyterian Morgan Stanley Children's Hospital. Neuroradiology exposure is optionally supplemented by available electives at Yale New Haven Hospital, although our residents do encounter the full spectrum of Neuroradiology while at the Norwalk campus. A one-month American Institute for Radiologic Pathology rotation is typically scheduled during the third year.

In their fourth years, residents have elective blocks, which can be used for additional clinical rotations or research. It should be noted that clinical rotations are

selected and arranged in order to facilitate and enhance each resident's training and education; they are not based on merely fulfilling necessities of clinical coverage. After passing the CORE board exam, residents may elect to perform one or more mini-fellowships.

There are two learning conferences daily, usually a morning lecture and midday case conference. Most conferences are given by Norwalk Hospital's faculty, but we also incorporate guest lecturers, all luminaries in their fields, including topics such as Pediatrics, Cardiac, Chest, GU, Ultrasound, MSK, and GI. The majority of lectures and teaching cases are stored on the hospital shared drive which are easily available for residents to review. A course in radiation physics and radiation biology is offered twice a week throughout the first year.

Interdisciplinary conferences with other departments are also held regularly, usually on a monthly basis. We currently have joint conferences with pulmonary medicine, hepatobiliary and gastrointestinal surgery, gyn-oncology, heme-oncology, neurosurgery, breast oncology, and gastroenterology. Residents prepare and present cases for these interdisciplinary conferences on a weekly or monthly basis.

Diagnostic radiology residency



Research and investigation

We feel that participation in research is a crucial component of residency training. While four years is a relatively short time to become a competent clinical radiologist and to receive board certification, it is also clear to us that participation in research makes one a more critical reader and more well-rounded physician. While we strongly encourage scholarly pursuits, our only formal requirement is that each resident prepare at least one case report, abstract, or paper suitable for publication, and a QI/QA project during their four years of training. In practice, most residents do significantly more than this and some have prepared and published numerous projects.

Time is made available for research and investigation during electives and during research rotations at Norwalk Hospital and at Yale New Haven Hospital. Norwalk Hospital will pay the travel and lodging expenses for residents attending conferences for purposes of presenting a paper or exhibit.

Norwalk Hospital has an Interdisciplinary Research Committee overseeing and coordinating projects involving various departments. In addition, we have a departmental research advisor, a hospital-wide research coordinator, a biostatistician, and other support staff as needed.

On-call support

Residents begin taking call after 12 months of radiologic training, subsequent to passing an oral and practical examination in required skills.

Attendings co-read with residents on weeknight and weekend call shifts. All resident interpretations are signed off by the attending and reviewed with the resident prior to the interpretation being made available to the Emergency Department. After 9:00 PM on weeknights and 8:00 PM on weekends, the cases are sent to teleradiology for interpretation. The overnight on-call resident is then responsible for performing and interpreting emergent ultrasound studies, interpreting 'stroke-code' CT exams, and interpreting level 1 trauma exams. After 8:00 AM sign-out the next morning, the resident is provided a 24 hour post-call day.

Two radiology attendings are always on call, one for general and one for interventional radiology. The on-call radiology attendings are happily and readily available for immediate consultation if the on-call resident requires assistance or has questions. Furthermore, because of the provided hospital housing, remote access to the PACS imaging system, and the close network we have as a radiology residency, senior residents are readily available for assistance and advice.

Hospital housing

In addition to a competitive salary, Norwalk Hospital provides highly subsidized housing. Residents receive an apartment in one of two buildings on the hospital campus, directly across the street from the hospital itself, at very low cost. Hospital housing serves important functions, which relate indirectly to education. Because the apartments are on the hospital campus, residents who choose to live there have no commuting expense or excessive commuting time. With a great salary, residents can live comfortably for their four or five years of training at Norwalk Hospital. They are not forced to moonlight, borrow to make ends meet, or have to choose between beginning to pay back their student loans.

For the few that choose to live off campus, Norwalk Hospital provides an additional monthly housing stipend of \$370 per month.

Outpatient center

The Diagnostic Radiology Department of Norwalk Hospital consists of the facilities at Norwalk Hospital itself and at Norwalk Radiology and Mammography Center, an outpatient facility. The Department, together with the outpatient facility, performs over 120,000 exam-inations each year, employing state-of-the-art equipment in all areas. Training at these two different facilities (inpatient and outpatient) enables residents to experience contrasting types of patients and diseases. This combination serves to broaden the resident's clinical experience and practical skills.

Over the last several years, both the inpatient and outpatient departments completed major physical and technological renovations. Both centers are completely digital (film-less), with state-of-the-art equipment, voice recognition transcription, and PACS, RIS, and CAD enhanced systems. The combined centers operate a total of four CT scanners, four MRI scanners, four digital mammography units, multiple digital fluoroscopy suites, three nuclear medicine cameras, PET/CT, and state-of-the-art interventional facilities. We also have multiple Vitrea workstations, which enables us to evaluate both CT and MR images in multiple dimensions, and also create 3-D model reconstructions.

Norwalk Radiology and Mammography Center was designated a National Showcase by GE Healthcare for its "exceptional clinical expertise in breast health, use of the latest technology, and outstanding patient care." The center was the only facility in Connecticut to receive this prestigious award. Both centers are accredited by the American College of Radiology.



Diagnostic radiology residency



PGY-1 year

Norwalk Hospital permits many options for the required PGY-1 (internship) year. Any ACGME-accredited approved clinical year is acceptable. Many residents have completed their PGY-1 year in medicine or surgery, while some have completed transitional years.

Vacation and conference time

Annually, each resident receives four weeks of vacation and two personal days, in addition to one optional week of continuing medical education. Residents are solely in charge of scheduling their vacation time as they please. We only ask during certain critical months (first year ultrasound rotation, fluoroscopy rotation, or during the month of June for first and second years) that you do not take vacation during this time.

Residents are allotted a post-call day after a call shift. In addition, during scheduled calls on a weekday (Monday-Thursdays), residents are excused 2 hours before they are scheduled for their evening call shift in order to help relieve resident burnout.

Traditionally, holiday coverage is covered by the current 2nd year residents (the eve and day of). In return, each eve/holiday call shift is converted into an "extra" vacation day for use by that resident.

Furthermore, as third year residents, we are allotted time off to attend two board review courses of our choice that is reimbursed by the department. We are also allotted time off for fellowship and job interviews.

Benefits

- Residents' salaries are competitive and Norwalk Hospital provides highly subsidized housing. Medical, dental, life, and disability insurance are provided for house staff and their families.
- All first-year radiology residents receive, from the faculty, a myriad of radiology textbooks deemed important for learning general radiology and passing the CORE exam.
- For outside rotations, including the American Institute for Radiologic Pathology and clinical rotations at Yale New Haven Hospital and NewYork-Presbyterian Morgan Stanley Children's Hospital, Norwalk Hospital and the faculty pay tuition, travel costs, and lodging. There is no expense to the resident.
- A physics review and clinical review course for the ABR Core exam is fully reimbursed.



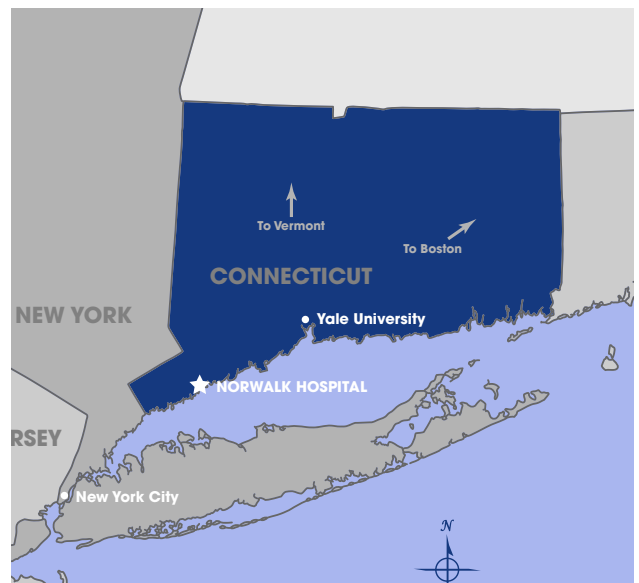
Welcome to Norwalk Hospital

In order to serve the lower Fairfield County community's health care needs well into the future, Norwalk Hospital was renovated in 2015—building a new, state-of-the-art ambulatory care pavilion. This project provided additional space and modern facilities for the ever-growing ambulatory services.

Of note, Norwalk Hospital received the John D. Thompson Award for Excellence in 2019.

The region

Norwalk, Connecticut is a coastal city in Fairfield County within easy commuting distance of New York City. The City of Norwalk itself, and the communities surrounding it, are attractive, safe, and diverse with many cultural and recreational opportunities.



Just minutes outside of Norwalk is the beautiful Connecticut countryside. In addition, the Long Island Sound is just a stone's throw from the hospital—providing beach, swimming, boating, and fishing activities.

New York City, with all that it has to offer, is only 45 minutes away by train or car. Many people who live in Norwalk and the surrounding area work in New York City, commuting daily. New Haven, with Yale University, is about 35 minutes away by car or train.

The climate is moderate with dramatic seasons. The school systems are excellent. The variety of restaurants, retail stores, theaters, and museums are outstanding. It is hard to imagine a more ideal environment in which to live and work.

Present residents



Jade A. Anderson, MD

College: Hampton University, VA

Medical School: Boston University School of Medicine

Internship: The Ohio State Wexner Medical Center, OH

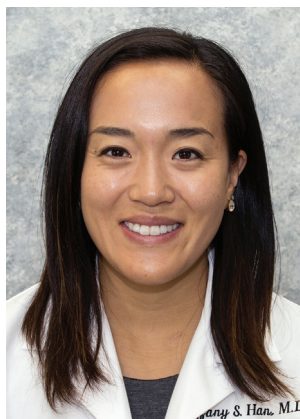


Stephen Carter, MD

College: University of Missouri, MO

Medical School: St. George's University School of Medicine

Internship: Richmond University Medical Center, NY



Tiffany Han, MD

College: University of Utah, UT

Medical School: University of Utah School of Medicine

Internship: Brookwood Baptist Health, AL



Matthew Homsy, DO

College: Rutgers University, NJ

Medical School: Rocky Vista University School of Osteopathic Medicine

Internship: Inspira Health Network, NJ



Behnaz Khazai, MD

College: NODET, Iran

Medical School: Mashhad University of Medical Sciences

Internship: Hurley Medical Center-Michigan State University Program, MI



Landon Melchior, MD

College: University of North Dakota, ND

Medical School: University of North Dakota School of Medicine and Health Sciences

Internship: University of North Dakota School of Medicine and Health Sciences, ND



Diane Moliva, MD

College: Concordia College at Moorhead, MN; McGill University, CAN

Medical School: Ross University School of Medicine

Internship: University of Minnesota, MN



Ryan Narbutas, MD

College: University of California Los Angeles, CA

Medical School: Drexel University College of Medicine

Internship: Hemet Global Medical Center, Hemet, CA

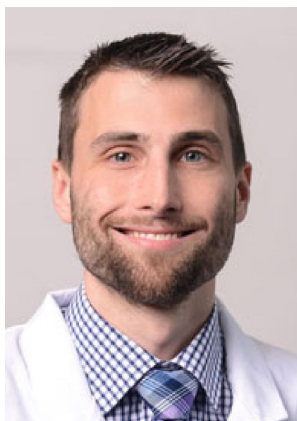


Brent Olson, MD

College: Nevada State College, NV

Medical School: Ross University School of Medicine

Internship: Saint Agnes Healthcare, MD



Steven Wojtkiewicz, DO

College: Suffolk University, MA and Drexel University, PA

Medical School: University of New England College of Osteopathic Medicine

Internship: Berkshire Medical Center, Pittsfield, MA

Residents' email addresses

Jade A. Anderson, MD	PGY-5	jade.anderson@nuvancehealth.org
Tiffany Han, MD	PGY-5	tiffany.han@nuvancehealth.org
Brent Olson, MD	PGY-5	brent.olson@nuvancehealth.org
Stephen Carter, MD	PGY-4	stephen.carter@nuvancehealth.org
Landon Melchior, MD	PGY-4	landon.melchior@nuvancehealth.org
Matthew Homsj, DO	PGY-3	matthew.homsj@nuvancehealth.org
Behnaz Khazai, MD	PGY-3	behnaz.khazai@nuvancehealth.org
Diane Moliva, MD	PGY-3	cecilediane.molivaanendaga@nuvancehealth.org
Ryan Narbutas, MD	PGY-2	ryan.narbutas@nuvancehealth.org
Steven Wojtkiewicz, DO	PGY-2	steven.wojtkiewicz@nuvancehealth.org

Outcomes

Fellowship placement

2022

- University of Wisconsin, WI – Musculoskeletal Imaging
- University of California San Francisco, CA – Abdominal Imaging & Ultrasound
- University of California Irvine – Long Beach, CA – Musculoskeletal Imaging

2021

- Northwell Health, NY – Breast & Body Imaging
- Thomas Jefferson University, PA – Body Imaging

2020

- Mount Sinai, NY – Neuroradiology
- Northwell Health, NY – Breast & Body Imaging
- Beth Israel Deaconess Medical Center, MA – Neuroradiology

2019

- Dartmouth-Hitchcock Medical Center – Interventional Radiology
- Northwell Health, NY – Breast & Body Imaging

2018

- Baylor Medical Center, Houston, TX – Breast Imaging
- Northwell Health, NY – MSK
- University of California, Irvine, CA – MSK

2017

- University of California, San Francisco – Neuroradiology

2016

- Yale New Haven Hospital – Neuroradiology
- University of California, San Francisco – Body Imaging

2015

- Stanford University – Pediatric Radiology
- Medical University of South Carolina – Vascular/Interventional
- Yale New Haven Hospital – Neuroradiology

2014

- NYU Langone Medical Center – Neuroradiology
- Beth Israel Deaconess Medical Center – Neuroradiology
- Yale New Haven Hospital – Nuclear Medicine

2013

- Columbia University – Neuroradiology
- Duke University – Neuroradiology

2012

- University of Maryland Medical Center – Thoracic Imaging
- St. Francis Hospital and Medical Center – Body Imaging
- University of Southern California – Vascular/Interventional

2011

- University of Maryland – Women’s Imaging
- Mount Sinai Hospital – Neuroradiology

2010

- Hospital for Special Surgery – Musculoskeletal
- University of Southern California – Vascular/Interventional

2008

- Yale New Haven Hospital – Women’s Imaging
- Thomas Jefferson University – Neuroradiology

2007

- Thomas Jefferson University – Body Imaging
- Columbia University – Body Imaging

2006

- Yale New Haven Hospital – Abdominal Imaging
- Yale New Haven Hospital – Women’s Imaging

2005

- Columbia University – Neuroradiology
- Mallinckrodt Institute of Radiology – Nuclear Medicine

Contact information



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francis.flaherty@nuvancehealth.org

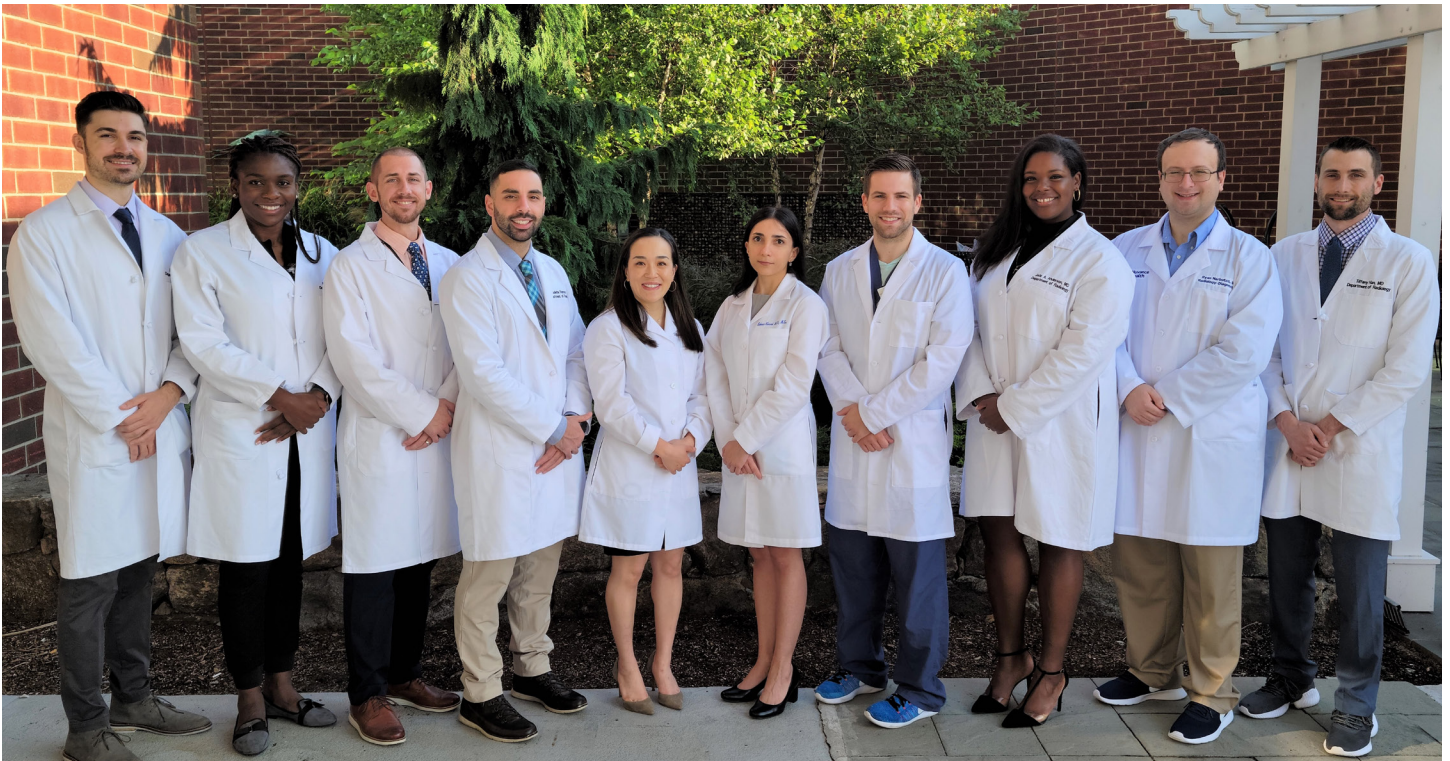


Program Coordinator:
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Email: Anila.Dalipi@nuvancehealth.org
Mail: Department of Radiology
Norwalk Hospital
34 Maple Street
Norwalk, CT 06850





Faculty educational background



Seema Bakhru, MD

Undergrad: Brandeis University, MA

Medical School: Dartmouth Medical School

Internship: Roger Williams Medical Center Internal Medicine, RI

Residency: Hartford Hospital, CT

Fellowship: Breast Imaging—Beth Israel Deaconess Medical Center, MA



Gilda Boroumand, MD

Undergrad: New York University, College of Arts & Science, NY

Medical School: New York University School of Medicine

Internship: Yale New Haven Hospital, CT

Residency: Thomas Jefferson University Hospital, PA

Fellowship: Breast Imaging—Yale Medicine, CT



Bradford Bottger, MD

Undergrad: Princeton University, NJ

Medical School: Cornell University Medical College

Internship: The New York Hospital, NY

Residency: The New York Hospital, NY

Fellowship: MRI and Neuroradiology—Thomas Jefferson University Hospital, PA



Andrew Colucci, MD

Undergrad: Boston College, MA

Medical School: Boston University School of Medicine

Internship: Brockton Hospital, MA

Residency: Beth Israel Deaconess Medical Center, MA

Fellowship: Neuroradiology—Beth Israel Deaconess Medical Center, MA



Todd Everett, MD

Undergrad: Brown University, RI

Medical School: Brown University School of Medicine

Internship: Roger Williams Medical Center, Brown University, RI

Residency: University Hospital and Medical Center, SUNY at Stony Brook, NY

Fellowship: Interventional Radiology—Columbia-Presbyterian Medical Center, NY



Francis T. Flaherty, MD

Undergrad: Amherst College, MA

Medical School: New York University School of Medicine

Internship: New York University Medical Center, NY

Residency: New York Hospital/ Cornell University Medical Center, NY

Fellowship: Body Imaging—Thomas Jefferson University Hospital, PA

Faculty educational background



Michael Hollander, MD

Undergrad: Hobart College, NY

Medical School: Royal College of Surgeons, Ireland & Georgetown University School of Medicine

Internship: Hackensack University Hospital, NJ

Residency: Beth Israel Medical Center, NY

Fellowship: Neuroradiology—Thomas Jefferson University Hospital, PA



Nikhil Jain, MD

Undergrad: Monmouth University, NJ

Medical School: Drexel University College of Medicine

Internship: Lenox Hill Hospital, NY

Residency: Winthrop–University Hospital, NY

Fellowship: Vascular & Interventional Radiology—Mount Sinai, NY



Thorsten Krebs, MD

Undergrad: Washington University, MO

Medical School: SUNY Downstate Medical Center

Internship: The Staten Island Hospital, NY

Residency: Columbia–Presbyterian Medical Center, NY

Fellowship: Abdominal Imaging and Interventional Radiology—Massachusetts General Hospital, MA



Madhavi Raghu, MD

Undergrad: SUNY Buffalo, NY

Medical School: SUNY Buffalo School of Medicine

Internship: Yale School of Medicine, CT

Residency: Pennsylvania Hospital, University of Pennsylvania Health System, PA

Fellowship: Breast and Body Imaging—Yale New Haven Hospital, CT



Fatejeet S. Sandu, MD

Undergrad: Duke University, NC

Medical School: Emory University School of Medicine

Internship: Yale School of Medicine, CT

Residency: University of California, San Francisco, CA

Fellowship: Body Imaging—San Francisco General Hospital, CA & Interventional Radiology—Emory University Hospital/Grady Hospital, GA



Stuart Sherman, MD

Undergrad: State University of New York at Binghamton, NY

Medical School: New York Medical College

Internship: Danbury Hospital, CT

Residency: State University of New York, Health Science Center at Syracuse, NY

Fellowship: Cardiovascular and Interventional Radiology—Montefiore Medical Center, NY

Faculty educational background



Stephen Sherry, MD

Undergrad: Carnegie Mellon University, PA

Medical School: Boston University School of Medicine

Internship: Roger Williams Medical Center, RI

Residency: University of Pittsburgh Medical Center

Fellowship: Neuroradiology—Massachusetts General Brigham Hospital, MA



Jaime L. Szarmach, MD

Undergrad: Rutgers University, NJ

Medical School: Rutgers—New Jersey Medical School

Internship: Greenwich Hospital, CT

Residency: Hospital of Saint Raphael, CT

Fellowship: Breast Imaging—Yale New Haven Hospital, CT

Our Reason for Being

We exist to...

Pursue Impossible

So we can improve the lives of every person in our community.

Our Values

Personal

Being top caliber starts with how we treat and respect people. So we see each patient, listen, then speak and act with purpose and compassion.

Imaginative

Discovering what's possible for our patients and our communities means challenging the expected. So we seek better, never settle and inspire curiosity.

Agile

Progress is only achieved through change. So we better serve our patients by overcoming barriers, pivoting with efficiency and staying open-minded.

Connected

Achievements don't happen in silos. So we share ideas, communicate clearly, act with consistency and work together as a unified team to care for those who need us.

Redefine Expected

Changing assumptions by challenging traditional healthcare experiences.

Therefore
we are
committed
to being...

Because
we strive to...

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nuvancehealth.org