

Welcome to the Jacobi-Montefiore EMERGENCY MEDICINE RESIDENCY PROGRAM

The Emergency Medicine Residency Program of the Albert Einstein College of Medicine was established in 1975 at Jacobi Medical Center. It was the first residency in Emergency Medicine in New York City and is one of the oldest programs in the country. The addition in 1996 of Montefiore Medical Center as a second training site established an ideal educational environment by coupling Jacobi's strength as a community-based, municipal hospital and trauma center with the tremendous resources of a tertiary care, university hospital. Emergency Medicine has full academic departmental status within the Albert Einstein College of Medicine.

The new PGY 1-4 training format that took effect in July 2006 will allow residents to be fully integrated into the program in the first post-graduate year of training and be introduced at the introductory level to Emergency Medicine. Approximately two-thirds of training occurs at Jacobi and one-third at Montefiore.

The program faculty and residents are committed to the belief that an outstanding training program should be both rigorous and enjoyable. Residents graduate from our program with the tools they will need to be not only compassionate and knowledgeable physicians, but leaders in the field of Emergency Medicine.





Jacobi Medical Center



Jacobi Hospital, the cornerstone of the Jacobi Medical Center complex, is located in a middle class section of the Bronx. A brand new 7 story state of the art Jacobi hospital facility opened in the summer of 2006. Jacobi is one of eleven acute care hospitals in New York City's unique public hospital system and is the largest public hospital facility in the Bronx. It serves as a major academic affiliate and teaching site of the Albert Einstein College of Medicine. The hospital supports residency training programs in all specialties and subspecialties. It is a 911-receiving hospital, a level one trauma center for both adult and pediatrics, as well as the only Burn Unit in the Bronx, the second largest in New York City. It also serves as the Regional Hyperbaric Center and Regional Snakebite Center for the Tri-state area. The adult Emergency Department delivers care to approximately 75,000 patients each year. The Pediatric Emergency Department manages nearly 40,000 patients annually, is supervised by Pediatric and Emergency Medicine faculty, and supports a fellowship program in Pediatric Emergency Medicine. The Psychiatric ED treats another 7,000 patients, and is staffed by members of the Department of Psychiatry.

The new Jacobi Hospital opened during the Summer of 2006. The new building houses over 300 medical, surgical and critical care beds as well as 10 new operating rooms, built on top of new, state of the art Adult and Pediatric Emergency Departments. The Adult Emergency Department, which opened its doors October 2006, houses 32 beds all fully equipped for critical care in addition to three dedicated resuscitation suites, one orthopedic room, and one asthma room. The Urgent Care / Fast Track Area consists of 13 additional rooms, contiguous with the main ED. The Pediatric Emergency Department area includes 9 Pediatric regular patient care spaces, 2 resuscitation suites, and a spacious pediatric asthma area.

The Emergency Department at Jacobi has full departmental status within the medical center and all of the faculty have appointments at the Albert Einstein College of Medicine.



Montefiore Medical Center



Montefiore Medical Center is the University Hospital for the Albert Einstein College of Medicine. It is a 745 bed facility in the north central Bronx, providing primary through tertiary care. The newly renovated and enlarged emergency department serves as a 911 receiving center and the doorway to the hospital's numerous tertiary care services including diagnostic and interventional cardiology, oncology, gerontology, critical care and various surgical subspecialties such as re-implantation, cardiothoracic, transplant, and neurosurgery. The Adult Emergency Department, one of the busiest in the tri-state area, treats approximately 80,000 patients per year.

The Children's Hospital at Montefiore, a newly constructed, state-of-the-art tertiary care facility for children includes a newly renovated pediatric Emergency Department which treats approximately 50,000 patients each year.

The Emergency Department at Montefiore has full departmental status within the medical center and all of the faculty have appointments at the Albert Einstein College of Medicine.



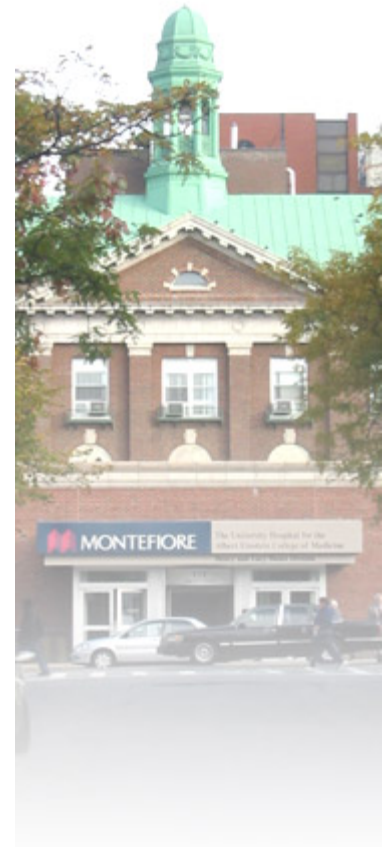
TRAINING

The combination of experiences at Jacobi and Montefiore provides our residents with an incredibly diverse and rewarding education in Emergency Medicine. Our residents learn compassionate and socially sensitive care of patients from all walks of life and all parts of the world. At the same time, the combined Jacobi-Montefiore experience provides our residents with the tools they will need to be successful practitioners and leaders in the field.

Residents are equipped with the latest in diagnostic and therapeutic equipment at both sites including new ultrasound machines (now 6 in total) capable of pelvic, abdominal, trauma and cardiovascular sonography, fiberoptic laryngoscopes for upper airway evaluation and management, state of the art electronic patient records and digitalized radiology as well as 24 hour access to 100's of online medical journals and references.

The Pediatric Emergency Departments at both training sites are home to Pediatric Emergency Medicine fellowships and Pediatric Emergency Medicine faculty.

The Department offers fellowships in Clinical Research, Ultrasound and Pediatric Emergency Medicine.

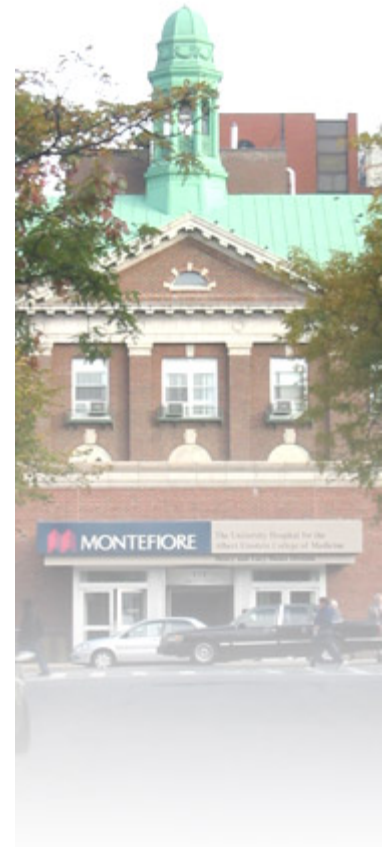


TRAINING

WORK ENVIRONMENT

Residents work under the direct supervision of full-time residency-trained and/or board-certified Emergency Medicine faculty at both training sites at all times. Patient care in the Jacobi ED is provided entirely by members of the house staff under supervision of the full-time Emergency Medicine faculty. There is a clearly defined graded progression of resident responsibility from direct patient care to supervisory and team leader roles in subsequent training years. In addition to around the clock supervision by EM faculty, a dedicated “teaching” attending provides supplemental bedside teaching to EM housestaff ninety four hours each week.

In the Montefiore ED, residents have primary patient care responsibility in all areas of the ED. Direct supervision and teaching of Emergency Medicine residents is provided by designated faculty for all cases. Five to seven Emergency Medicine attendings are present during each day, and three on every overnight, providing an environment where preceptor and resident work closely together on all cases.





TRAINING

CURRICULUM

The First Year

The training program is structured to allow residents a progressive role in clinical responsibility, and in the teaching and supervision of house staff, students and other EM personnel. Residents begin their training with a one month comprehensive orientation to Emergency Medicine, providing an introduction to ultrasound, trauma/critical care and procedures in emergency medicine. The first year will be spent rotating through the adult and pediatric emergency department as well as in-patient services, including internal medicine, critical care, obstetrics and orthopedics. While in the emergency department, first year residents are responsible for all aspects of patient care and will be the primary physicians responsible for endotracheal intubation, conscious sedation, bedside sonography, as well as central venous catheter and thoracostomy tube placement. They will be trained in ATLS and PALS in their first year.

<u>Rotation</u>	<u>No of Blocks*</u>	<u>Location</u>
Orientation / Anesthesia#	2	Jacobi / Montefiore
Jacobi Adult Medical ED	4	Jacobi
Jacobi Adult Surgical ED	2	Jacobi
Montefiore Adult ED	4	Montefiore
Pediatric ED	2	Montefiore
Internal Medicine In-Pt.	4	Jacobi
Critical Care	4	Jacobi
Obstetrics	1	Jacobi
Orthopedics	1	Jacobi
Vacation	2	

*Each rotation block is two weeks

TRAINING

CURRICULUM

The Second Year

EM-2 residents build upon the strong knowledge base from the first year. They have primary patient care responsibilities in both the Jacobi and Montefiore Emergency Departments. Residents will also spend 4 weeks on an ED gynecology rotation in which they will acquire the skills care for obstetric and gynecological emergencies. Additionally residents will have an elective with FDNY EMS in which they will receive didactics and conduct ride-alongs with New York City's EMS. During a two week elective with Jacobi's Emergency Radiologists, residents will acquire the proficiency to interpret x-rays and CT scans. Two weeks will be spent on research in which residents, in conjunction with dedicated research trained faculty, will plan and design a research project to executed during the remainder of their residency.

<u>Rotation</u>	<u>No of Blocks*</u>	<u>Location</u>
Jacobi Adult Medical ED	6	Jacobi
Jacobi Adult Surgical ED	6	Jacobi
Pediatric ED	2	Jacobi
Montefiore Adult ED	5	Montefiore
ED Gynecology	2	Jacobi
Research+	1	Jacobi
EMS	1	FDNY EMS
Radiology	1	Jacobi
Vacation	2	

*Each rotation block is two weeks





TRAINING

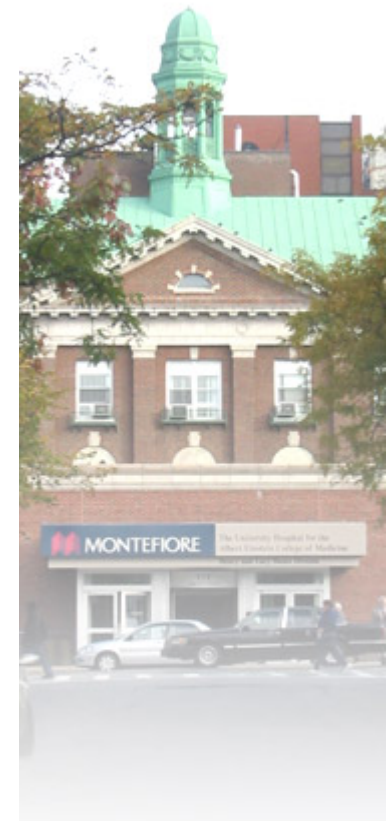
CURRICULUM

The Third Year

In the Jacobi adult ED, the EM-3 resident coordinates all patient care. This resident is the primary decision-maker; assigning cases to junior residents, prioritizing patient care, formulating clinical management decisions and ED dispositions, and serving as team leader in all resuscitations under the supervision and teaching of Emergency Medicine faculty. In addition to their ED experience, rotations in Toxicology, Cardiology and PICU offer in-depth exposure to these specialties as well. During the four week rotation in the Jacobi and Montefiore Fast Track / Urgent Care Centers residents will work alongside emergency medicine faculty where they will splint, suture, incise, drain and diagnose in a high volume / lower acuity setting.

<u>Rotation</u>	<u>No of Blocks*</u>	<u>Location</u>
Jacobi Adult Medical Chief	6	Jacobi
Jacobi Adult Surgical Chief	4	Jacobi
Pediatric ED	3	Jacobi / Montefiore
Montefiore Adult ED	4	Montefiore
Urgent Care / Fast Track	2	Jacobi / Montefiore
Cardiology	1	Montefiore
Toxicology	2	NYC Poison Control Center
Research	1	Jacobi
PICU	1	Jacobi
Vacation	2	

*Each rotation block is two weeks





TRAINING

CURRICULUM

The Fourth Year

The EM-4 resident gains further clinical experience while acquiring new skills in teaching, supervision, and academic pursuits. During EM-4 shifts in the Jacobi Adult ED, the fourth year resident oversees care on one side of the ED (Medical or Surgical), under the supervision of the ED attending. In this way, independent thought is encouraged while faculty support is always present. By the completion of the EM-4 year, residents will have significant experience making patient care treatment and disposition decisions, coordinating patient flow, and teaching junior house staff in conjunction with EM faculty. In the Montefiore Emergency Department, residents will continue to have primary patient care responsibilities working one-on-one alongside Emergency Medicine faculty.

Ten weeks have been set aside as research/elective/selective time which is tailored according to the resident's interests to include pursuit of research and clinical electives (such as emergency or pediatric radiology, ultrasound, oral surgery, trauma and hyperbarics to name a few.)

<u>Rotation</u>	<u>No of Blocks*</u>	<u>Location</u>
Jacobi ED Pre-Attending	6	Jacobi
Montefiore Adult ED	5	Montefiore
Pediatric ED	4	Jacobi / Montefiore
Urgent Care / Fast Track	2	Jacobi
Dermatology	1	Jacobi
Psychiatry ED	1	Jacobi
Elective	4	Jacobi / Montefiore
Selective (Cardiology or Neurology)	1	Jacobi / Montefiore
Vacation	2	

*Each rotation block is two weeks

TRAINING

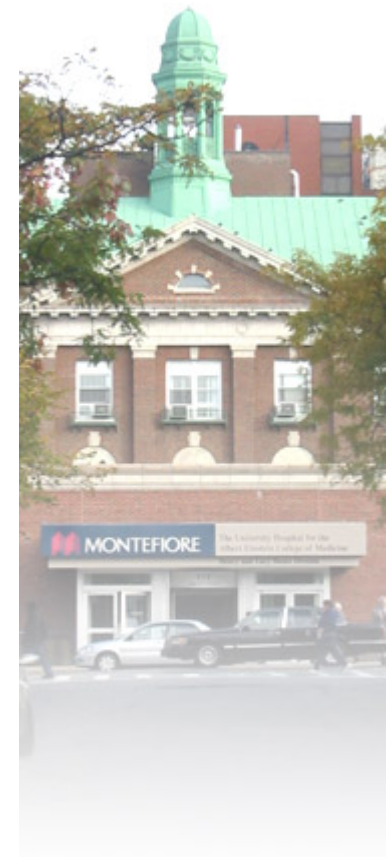
CONFERENCES

The didactic portion of the program includes five hours of core conference each Wednesday during which residents working at both sites attend conference at Jacobi. The core conference is supplemented with additional site specific conferences on other days of the week. Emergency Department Follow-up Rounds, a case-based interactive presentation that is traditionally a favorite conference of residents and faculty alike, is held each Friday to review recent Emergency Department cases with educational value.

The conference curriculum is designed to follow the Emergency Medicine Core Content / Model of the Clinical Practice of Emergency Medicine. Conference topics cycle every 18 months, with key topics repeated annually. Conferences are presented by the emergency medicine faculty, specialists from the Albert Einstein medical community, and emergency medicine faculty invited from other institutions.

Wednesday morning conference formats include morbidity and mortality conference, small group exercises and symptoms-based discussions and exercises, journal club, evidence based medicine, and journal watch in which pertinent articles are presented and discussed by small teams of residents and attendings. A lecture series on fundamentals of research methodology is provided. Trauma Rounds, a joint conference organized with the Department of Surgery, is held every other week to discuss the management of interesting and/or challenging cases. A didactic conference with the Department of Pediatrics is also held every other week. A popular hands-on anatomy / procedure lab takes place once per month. A didactic and hands on ultrasonography curriculum, taught by a group of EM faculty with RDMS ultrasonography certification, is integrated into the core conference series.

Bedside teaching rounds are also held at both sites. A Resident/Attending Meeting, organized by the emergency medicine chief residents, is held monthly to provide for open discussion of departmental issues. Morbidity and Mortality rounds are held every month. Cases with valuable teaching points related to ED management, (triage, diagnosis, therapy, disposition), and quality assurance are selected for presentation and discussion.





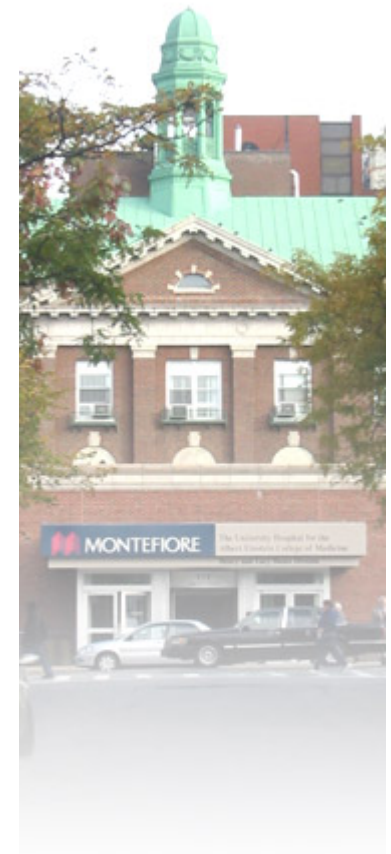
TRAINING

LIBRARY / RESOURCES

- The Department of Emergency Medicine maintains its own library of current textbooks and relevant journals at both training sites. The library of the Albert Einstein College of Medicine which is available to all residents houses over 165,000 volumes of books and journals and provides free computerized literature search facilities.
- Residents and faculty are provided with direct on-line access to the D. Samuel Gottesman library of the Albert Einstein College of Medicine. Full-text access to over 1300 journals, 25 books (via Books@Ovid and StatRef) and 29 databases to which the library subscribes is available through this internet-based service. This service is available at all of the multiple terminals available in the ED patient care areas, resident and administrative spaces, from home, and from anywhere where an internet service provider and a web browser are available.
- Multiple computer terminals within the ED provide immediate access to reference materials that include: Micromedex (complete drug and toxicology databases, including Poisondex), Medline, Up To Date Online, and a link that allows direct access to the Einstein library.
- The Montefiore medical library is also readily accessible to residents and provides approximately 700 journal titles, 25,000 bound journals and 12,000 medical books, as well as access to medline.

OTHER RESOURCES

- A resident office/lounge equipped with personal computers, educational software, and internet access is available at both Jacobi and Montefiore sites.
- The department has an active ultrasound program and sponsors an Emergency Medicine Ultrasound fellowship. A subset of EM faculty are RDMS certified. A total of five ED dedicated ultrasound machines exist between the two training sites.
- All diagnostic images (plain films, CT scans, ultrasounds, etc) are immediately available for viewing on multiple ED terminals at both training sites via a picture archiving and communication system (PACS).
- A state of the art centralized patient care information system allows virtually all medical care to be ordered and patient care information to be rapidly retrieved electronically, facilitating patient care.
- Oral and written board-type examinations are administered twice each year to allow residents to perform self-assessment and develop test-taking skills.

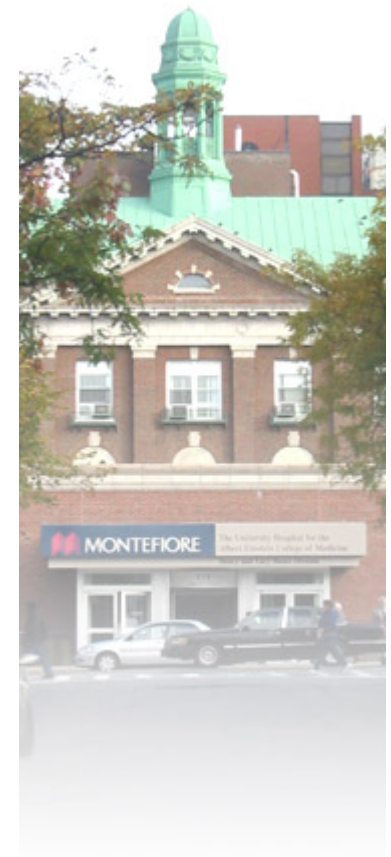




TRAINING

RESEARCH

The Department of Emergency Medicine is dedicated to an active and productive research program. Research projects are a collaborative effort between faculty and residents working in small groups to design and implement projects and analyze results. The academic and scholarly environment has grown to include a significant subset of faculty members with formal clinical research training, interest, ability, and devoted time to secure funding and perform research. Medical students employed throughout the summer months and data collectors supported by departmental and grant funding facilitate collection of data. The research program has been highly successful to date, with numerous publications in emergency medicine journals and abstracts presented at scientific assemblies. The department sponsors an Emergency Medicine research fellowship.





ACCREDITATION

The residency program in Emergency Medicine at Jacobí- Montefiore is designed to meet all requirements of the American Board of Emergency Medicine and the Residency Review Committee of Emergency Medicine, the residency credentialing body of the Accreditation Council for Graduate Medical Education. Our residents have an excellent performance record on both the written and oral parts of the certifying examination.

The Emergency Medicine program is fully accredited by the ACGME through January 2013, AECOM fully supports the ACGME work hour requirements.



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