



Maimonides
Medical Center



ORTHOPEDIC SURGERY

Fully Accredited Residency Program

A background image of surgeons in an operating room, wearing blue scrubs, masks, and hairnets. They are focused on a surgical procedure, with various medical instruments and equipment visible. The image is overlaid with a semi-transparent blue filter.

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MEDICAL EDUCATION AT MAIMONIDES

Welcome to the Orthopedic Surgery Residency Program at Maimonides Medical Center. Maimonides is a nonprofit, independent academic institution dedicated to the core value that the needs of our multicultural patient come first. We are the preeminent treatment facility and academic medical center in Brooklyn – and among the best in the New York region.

With 24 fully accredited residency and fellowship programs, over 400 residents, 300 full-time faculty, 550 voluntary attending physicians, 4,500 employees and 700 inpatient beds, Maimonides is one of the largest independent academic medical centers in the country.

Medical education is continuously evolving. With a history of education that stretches over 100 years, Maimonides is proud of our achievements, while remaining aware that we cannot rest on our laurels if we are to stay at the forefront of medical education.

We strive to ensure that our programs exceed all institutional, common program and specialty requirements endorsed by the Accreditation Council for Graduate Medical Education, the American Osteopathic Association, the American Dental Association and the Council on Podiatric Education.

We provide the financial, organizational and educational resources necessary to ensure that all programs deliver outstanding guidance and supervision of residents and facilitate the ethical, professional and personal development of every resident. We are also committed to promoting patient safety and resident well-being.

Excellence in patient care is our highest priority and inseparable from the resident educational experience. At Maimonides, we serve a large and diverse population, which enables our residents to gain extensive experience in all orthopedic specialties.

Our role as educators is to instill residents with those traits that are essential to success, including honesty, integrity, objectivity, self-motivation, curiosity and a sense of responsibility. We strive to graduate

residents who are expert surgeons and capable of becoming leaders in the field, as demonstrated by the large percentage of our residents who pursue academic careers.

Innovation, research and technology are woven into the fabric of the training program. The Department of Orthopedics has full-time research personnel, an arthroscopy lab, and a cadaver lab – all of which are fully integrated with the Maimonides Center for Clinical Simulation. We also utilize new technologies such as robot-assisted spine and reconstruction surgery.

We are at the threshold of an exciting period in American healthcare. At Maimonides, we invite you to take these important steps in your training experience with us. We offer you an opportunity to learn in an environment that encourages professional and personal growth and equips you to become an expert orthopedic surgeon. We encourage you to learn more about our residency training program by asking questions and discussing the program with our faculty members, current residents or recent graduates.

PROGRAM LEADERSHIP



Jack Choueka, MD
Chair



Afshin Razi, MD Vice
Chair & Residency
Program

Kijafa Fowler-Kangas
Residency Program Coordinator

WHAT SETS US APART

Orthopedic surgery residents at Maimonides enter the professional world with a complete and well-rounded foundation for providing outstanding patient care. But what makes the resident experience here truly special are the relationships residents form as both colleagues and friends.

Working with people you like and trust can have a tremendous impact on your quality of life during residency. That's why we go to great lengths to select candidates who fit the culture of our program.

And our process works. Time and again, residents cite their group as being like family. Many remain at Maimonides to become attending physicians, which is a testament to our program's positive work environment and sense of community.

Because our orthopedic residency program is smaller than many large teaching hospitals, we enjoy a high attending-to-resident ratio. Our attending physicians are dedicated to teaching and fostering a culture of camaraderie and respect.

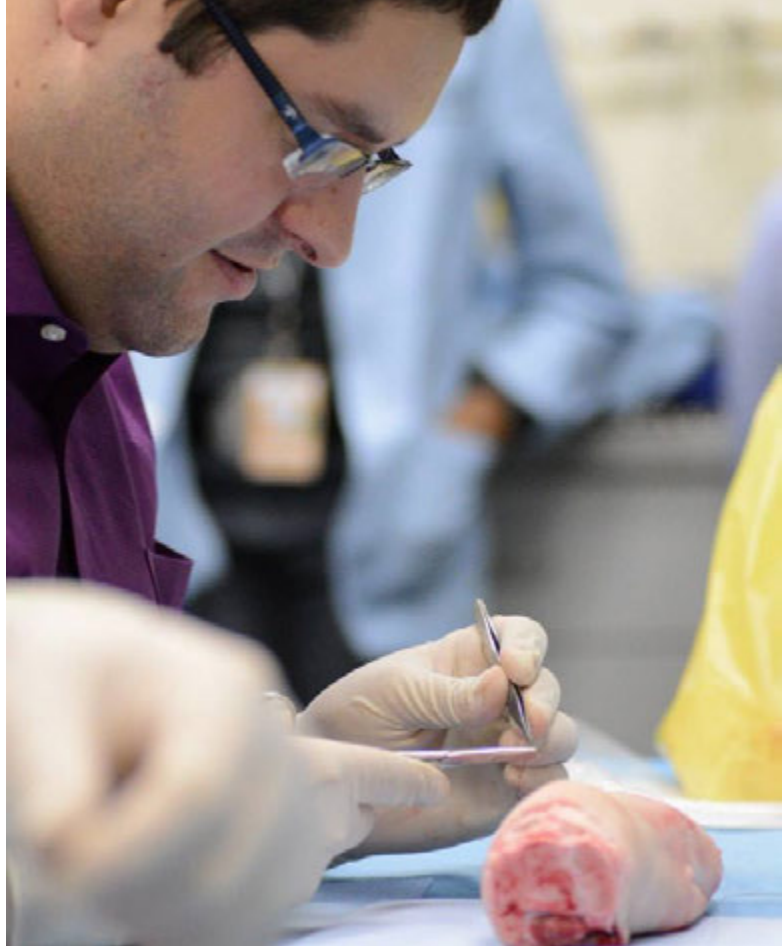
The rapport between the attendings and residents facilitates learning and creates successful mentoring relationships. The unique environment at Maimonides enables residents to connect with the attendings both inside and outside of work, which leads to improved communication, collaboration and effective education.

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“What drew me to Maimonides were the relationships I saw between the residents and attendings. I still remember my interview social where the residents and attendings were hanging out together outside of work. That was something I hadn't seen at any other hospital I visited and was something I knew I wanted to be a part of.”

– Angelo Mannino, MD (Class of 2022)

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CARING FOR BROOKLYN'S DIVERSE COMMUNITIES FOR OVER 100 YEARS

Maimonides was founded in 1911 as the New Utrecht Dispensary in the rural settlement of Brooklyn. Brooklyn would eventually become New York City's largest borough and, with a population of over 2.6 million people, one of the largest and most vibrant cities in America. Our primary service area is southern Brooklyn, including Borough Park, Bensonhurst, Bay Ridge, Dyker Heights, Brighton Beach, Sunset Park and more.

Nearly 50 percent of residents in the communities we serve are foreign-born, so cultural sensitivity is vital when addressing the broad range of healthcare needs of our patient population. To encourage effective cross-cultural communication, we have long focused on hiring physicians, nurses and clerical staff that possess a variety of linguistic skills and come from diverse cultural backgrounds. We use the same diligence when considering applicants to our medical education programs.

ORTHOPEDIC SURGERY RESIDENCY AT A GLANCE

The Orthopedic Surgery Residency at Maimonides is fully accredited by the Accreditation Council of Graduate Medical Education (ACGME). Our five-year program provides a comprehensive orthopedic education for **four residents a year** through the National Resident Matching Program (NRMP). The program offers all necessary specialty rotations during the intern year and orthopedic sub-specialty rotations in postgraduate years two through five (PGY-2 through PGY-5).

Program Goals

The objective of the graduate program in orthopedic surgery is to provide a comprehensive educational experience in the management of musculoskeletal system diseases and injuries for the physician seeking accreditation as an orthopedic surgeon. In turn, our residency program also provides orthopedic hospital services and resources that enhance the health of our culturally diverse community. We aim to provide a balanced educational experience including leadership, teamwork and research opportunities for candidates with an interest in an academic or clinical career in orthopedic surgery.

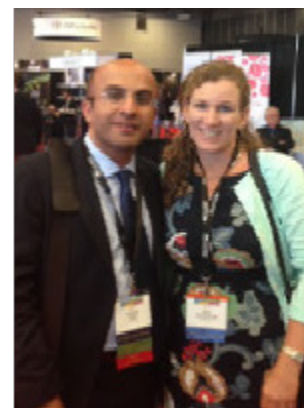
In keeping with the mission of Maimonides Medical Center, the Department of Orthopedic Surgery fosters an environment of public service and leadership. Despite its large size, Maimonides maintains a community feel that allows all its members, including residents, to participate in its mission.

All faculty and residents are required to serve on at least one committee and to participate in departmental and hospital-wide quality improvement initiatives including peer and event reviews. Residents are included at the highest levels of decision making at the hospital when appropriate, giving them insight into the workings of a complex system and inspiring their leadership potential.



The department also promotes leadership development in faculty and residents through online modules, outside courses, seminars and participation in departmental functions. Residents participate in the peer review and root cause analysis programs, which allow them to enhance practice-based learning.

Many of our alumni and faculty have utilized this training and are active members of local and national orthopedic leadership organizations such as the American Academy of Orthopaedic Surgeons, American Orthopaedic Association, New York State Society of Orthopaedic Surgeons and Brooklyn Orthopaedic Society.



To support our mission we provide:

- Current, dynamic and evidence-based educational environment
- Balanced exposure to the required educational and clinical experiences needed to develop the expertise of an independent practitioner
- Mentorship and leadership to develop residents' professional identity
- Training in teamwork to develop the critical communication skills to succeed in the future
- Research and scholarship opportunities for all residents and for those with an interest in an academic or clinical career in orthopedic surgery
- Simulation experiences for both clinical and communication skills
- An understanding of the social determinates of health and disparities of our patients, and ways to address these factors
- Involvement in an event analysis, through ACGME's Pursuing Excellence collaborative and embedded in the redesign of peer review at CRIS (clinical review to improve system safety)



Surgical Experiences

Residents in the program initially gain fundamental knowledge in areas such as soft tissue management, physiology, anatomy and radiology. As they advance, residents learn the technical and cognitive skills necessary to practice as an orthopedic surgeon.

Residents take primary responsibility for diagnostic and therapeutic approaches including preoperative evaluation, surgery and postoperative care for all patients, with the supervision of senior residents and faculty. This provides residents with autonomy and increasing levels of responsibility as they progress through the residency.

Outpatient Experiences

We offer two outpatient experiences for residents: a traditional clinic and three faculty practice offices at the Maimonides Bone & Joint Center, a state-of-the-art, all-inclusive facility. In the clinic, an attending physician serves as a consultant for the resident as they evaluate and manage their cases.

The same attending and resident follow the case together throughout the care episode if admission or surgery is necessary. This structure provides continuity of care for the resident and the attending. Residents are given responsibility in the clinic according to their level of training and knowledge.

In the faculty practice office, the resident works as part of an integrated team providing care to patients, while developing the skills necessary to practice independently.





Lectures

Didactic lectures with audiovisual aids or handouts take place each morning over a one-year cycle, providing basic information for the junior resident and integrative knowledge for the senior resident. We also offer a comprehensive orthopedic resident learning center and simulation center to enhance the entire learning experience.

Residents present several lectures to give them experience in organizing, critically reviewing and transmitting information. The conference schedule covers all major topics in orthopedic surgery, including general orthopedics, pediatric orthopedics, fractures, sports medicine, spine, upper and lower extremity, adult reconstruction, surgical indications, basic science and bioethics.

Mortality and Morbidity Conferences and Journal Club meetings occur monthly.

TEACHING INSTITUTIONS AND EDUCATIONAL FACILITIES

Maimonides Medical Center

An urban institution positioned in the heart of Brooklyn, Maimonides Medical Center features a busy, accredited level 1 trauma center. Maimonides is also Brooklyn's only pediatric trauma center. Our trauma center is recognized by the New York State Department of Health for meeting the stringent standards of care established by the American College of Surgeons Committee on Trauma (ACS COT).

As early as the intern year, residents become comfortable managing multi-trauma situations in the emergency room, from admission through

Research

Research is an integral part of the educational program. Each senior resident is required to present a quality report of original research conducted during his or her residency for possible publication, as well as a review manuscript, book chapter or case report. Funds and personnel, including research associates, are available to support our research requirements. Residents have applied for and received institutional funds to conduct research.

Relative to the small size of our program, our residents produce numerous publications for medical literature and presentations at various national forums. This reflects the importance of academic research for our residency program and Maimonides Medical Center.



discharge. Our orthopedic department is responsible for treating the majority of pediatric trauma in Brooklyn. This offers our residents a great deal of exposure throughout their training. Residents also spend time at the Brooklyn Surgery Center, a leading-edge surgical center for elective outpatient surgeries.

Connecticut Children's Medical Center

Connecticut Children's Medical Center (CCMC) in Hartford is a teaching hospital affiliated with the University of Connecticut School of Medicine. It is the only freestanding children's hospital in Connecticut.



The orthopedic department conducts more than 27,000 pediatric patient visits and performs 1,100 surgeries each year. CCMC has significant volume in areas such as spinal dysraphism, cerebral palsy, muscular dystrophy, scoliosis and other congenital malformations, including limb reductions.

Residents spend three months at CCMC during the PGY-3 year. For more information, visit www.connecticutchildrens.org.

MedStar Union Memorial Hospital

MedStar Union Memorial Hospital in Baltimore, Maryland, is a not-for-profit, 279-bed acute care teaching hospital with a strong emphasis on orthopedics and sports medicine. It is also the region's premier foot and ankle center.

Residents spend two months in the PGY-4 year on the Foot and Ankle Service, where they rotate with fellowship-trained surgeons who treat the entire range of foot and ankle disorders. For more information, visit www.medstarunionortho.org.

The Center for Clinical Simulation

Simulation-supported learning is an integral part of resident education at Maimonides. Today's orthopedic surgery residents must learn many complex and diverse technical skills, and our orthopedic simulation laboratory is an invaluable tool for acquiring and practicing skills in a risk-free environment. Our simulation curriculum uses cadaver models, synthetic bones and tissues, software tools and computerized simulators.

Residents participate in weekly skills sessions at the Center for Clinical Simulation. High-fidelity mannequins enhance surgical, arthroscopic and bedside skills. And with two dedicated arthroscopy stations, residents can master basic and advanced arthroscopic techniques in the shoulder, elbow, wrist, knee and ankle, utilizing both cadaveric and simulated tissues.

Residents hone their microscopic surgical techniques using a teaching microscope. The scope has multiple wide-field oculars or optimal one-to-one mentoring by faculty. Additionally, an endless supply of synthetic bones is available on which residents refine their skills or open reduction and internal fixation of basic to highly complex fractures.

This simulation-supported curriculum enhances the situational learning that takes place in orthopedic training. The curriculum is based on American Board of Orthopaedic Surgery (ABOS)-recommended modules for interns during the first three months of residency, with advancement throughout the other years.

During simulation training, residents progress from assisting in procedures to actively performing them. At the end of each simulation module, residents demonstrate their mastery of skills and techniques through a formative assessment, depending on the content. This assessment helps the orthopedic team evaluate the resident's skill level before allowing him or her greater clinical autonomy, both in and out of the operating room (OR).

In addition to advancing technical proficiency, this curriculum fosters conscious competency for procedures and clinical reasoning. It requires residents to manifest the following higher-order decision-making and practical skills:

- Articulating the steps before performing a procedure and the reasoning behind each one
- Producing multiple strategies for accomplishing a procedure and analyzing the trade-offs of each
- Thinking through the consequences of decisions
- Performing the procedure with minimal hesitation and economy of motion
- Making consistent and accurate decisions

The clinical simulation curriculum includes:

- Anatomy dissection
- Arthroplasty
- Arthroscopy training
- Casting and splinting techniques

- Compartment syndrome
- Fluoroscopy training
- Joint aspiration and injection
- Laparoscopic surgery
- Microsurgery
- Resuscitation skills
- Skeletal traction
- Soft tissue handling, suturing skills, and knot tying
- Sterile technique and orthopedic room setup
- Trauma
- Basic skills:
 - Bone-handling techniques
 - Principles and techniques of fracture reduction
 - Basic techniques of internal fixation
 - K-wire techniques
 - External fixation
- Advanced techniques in different regions

RESIDENCY CURRICULUM

The Orthopedic Surgery Residency Program at Maimonides Medical Center provides orthopedic education in the sub-specialties of adult reconstruction, foot and ankle surgery, hand and microsurgery, orthopedic oncology, pediatric orthopedics, shoulder and elbow surgery, spine surgery, sports medicine, and orthopedic trauma and fracture management.

Rotations take place at Maimonides, Connecticut Children's Medical Center in Hartford and MedStar Union Memorial Hospital in Baltimore.

Year 1 (PGY-1)

First-year residents are supervised by faculty of the Department of Orthopedic Surgery. Every Friday for the first three months, residents participate in a simulation training curriculum based on the ABOS Surgical Skills Modules. They learn skills used in the initial management of injured patients and basic

operative skills to prepare them to participate in surgical procedures.

PGY-1 rotations include:

- Orthopedic Surgery (6 months)
- Anesthesia (1 month)
- Emergency Medicine (1 month)
- Musculoskeletal Imaging (1 month)
- General Surgery (1 month)
- Trauma Surgery (1 month)
- Vascular Surgery (1 month)

During the orthopedic surgery rotation, residents are active in the emergency room, office practices, pre- and post-operative patient management and inpatient care for all orthopedic services. All rotations are performed at Maimonides Medical Center.



Year 2 (PGY-2)

During the second year, orthopedic residents increase their responsibility for patient care through four rotations at Maimonides.

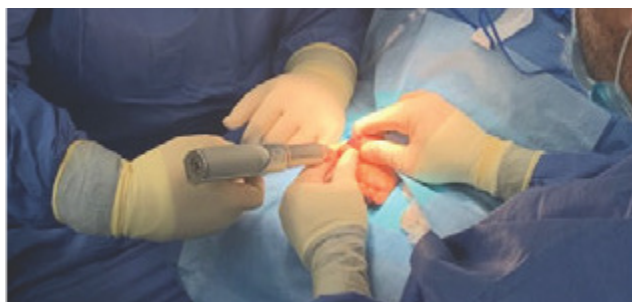
PGY-2 rotations include:

- Orthopedic Trauma (4 months)
- Pediatric Orthopedics (4 months)
- Spine (2 months)
- Sports Medicine (2 months)

Residents are directly supervised by a more senior resident and an individual member of the faculty on each of these rotations. Residents gain experience in the operative and nonoperative care of orthopedic injuries, with emphasis on continuity of care. They develop the skills to evaluate patients pre-operatively and optimize their post-operative treatment and rehabilitation plans.



Second-year residents also cover orthopedic consults on all rotations, providing care for patients treated within the Emergency Department (ED) and for those admitted for surgery.



Year 3 (PGY-3)

Third-year residents experience five orthopedic rotations and a research elective. All but the pediatric rotation take place at Maimonides.

PGY-3 rotations include:

- Adult Joint Reconstruction (2 months)
- Hand & Upper Extremity (2 months)
- Orthopedic Trauma (2 months)
- Sports Medicine (2 months)
- Research Elective (1 month)
- Pediatric Orthopedics at Connecticut Children's Medical Center (3 months)

Residents will also spend one month preparing a clinical research project, including abstracts, publications and a final thesis

Year 4 (PGY-4)

Residents in the fourth post-graduate year assume independent patient care responsibilities and are directly supervised by orthopedic faculty. All but the foot and ankle rotation take place at Maimonides.



PGY-4 rotations include:

- Adult Joint Reconstruction/Orthopedic Oncology (4 months)
- Hand & Upper Extremity (2 months)
- Pediatric Orthopedics (2 months)
- Spine (2 months)
- Foot & Ankle at MedStar Union Memorial in Baltimore (2 months)

Year 5 (PGY-5)

Fifth-year residents spend time in the practitioner's office, directly interacting with patients. They will gain an appreciation of the complexities necessary to perform an initial evaluation in a private office setting, as well as learn about office management.

All PGY-5 rotations occur at Maimonides. They include:

- Adult Joint Reconstruction (4 months)
- Hand & Upper Extremity (4 months)
- Orthopedic Trauma (4 months)



PGY-4 and -5 residents are responsible for orthopedic emergency calls when they are assigned with faculty members. They provide back-up supervision for the PGY-2 and -3 residents who initiate the orthopedic evaluation of the injured patient.

Should a patient require admission or emergent surgery, PGY-4 or -5 residents assume primary responsibility with immediate supervision by a member of the faculty. They are expected to review the literature and develop competence in discussing such cases.

Chief Residents

One fifth-year resident is selected as the Executive Chief Resident. Responsibilities of the chief resident include:

- Organizing the day-to-day operations of the orthopedic surgery service
- Helping the program director develop conference and call schedules
- Being a resource for the junior residents and medical students in the clinic
- Working with the attending in the clinic to develop a differential diagnosis, workup and treatment plan for each patient
- Assuming a leadership role in the OR by developing the surgical plan for each patient and reviewing it with the other residents and attendings involved in the patient's care

DIDACTICS AND EDUCATIONAL ACTIVITIES

Core Curriculum: We use a 2-year comprehensive reading and lecture series curriculum. Residents will receive weekly emails with reading assignments that help build and maintain a core foundation of orthopedic knowledge.

Formal didactic lectures are held each Friday morning by members of the orthopedic faculty from 7:00 to 10:00 am. Based on the curriculum, these lectures cover all orthopedic specialties and basic science. Residents have access to Orthobullets and American Academy of Orthopaedic Surgeons (AAOS) ResStudy platforms and ROCK.

“The strong fellowships residents match into every year and the fact that our program recruits former residents to come back after fellowship to start their careers as orthopedic surgeons is a testament to the excellent training we get here.”

- Bilal Mahmood, MD (Class of 2022)



Practice-Based Learning and Improvement (PBL&I):

This conference also takes place on Friday morning. Interactive sessions allow residents to present interesting cases and discuss the relevant literature on the topic among fellow residents, faculty, physician assistants and students.

Core Fracture Conference: Held on Monday mornings, one resident goes over a chapter from Skeletal Trauma. Both adult and pediatric fractures are covered throughout the academic year.

Teaching Rounds: An assigned attending meets with residents twice a week to review X-rays and consults and discuss clinical presentation, classification and treatment/management options.



Orthopedic Gross Anatomic Dissection Sessions:

Under the supervision of an attending surgeon, residents learn anatomy and practice various surgical approaches, approximately at least every six weeks

Residents also attend the following once a month:

- **Grand Rounds** includes presentations from both faculty and visiting professors.
- **Morbidity and Mortality Conferences** feature cases presented by the residents.
- **Journal Club** allows residents and attendings to review and discuss scientific articles.

Other orthopedic conferences held on a rotating basis include indication rounds, pathology, OITE review sessions, research seminars and a **variety of Academic Affairs-sponsored resident workshops** on topics such as cultural competency, sleep deprivation, substance abuse and practice management.

The Institute of Healthcare Improvement (IHI) Open School Curriculum: Maimonides aims to train residents to be leaders in healthcare and the organizations they serve. The IHI Open School curriculum gives learners the opportunity to gain crucial skills that will help them become change agents in healthcare.

To receive a Basic Certificate in Quality and Safety, residents must complete the following online courses by the end of their fourth year:

1. Improvement Capability
2. Patient Safety
3. Person- and Family-Centered Care
4. Triple Aim for Populations
5. Leadership

Professional Courses and Conferences

In addition to local conferences, residents attend the following at departmental expense:

- **PGY-1/2:** AO North America Basic Principles & Techniques of Operative Fracture Management Course
- **PGY-4:** Two residents attend the AAOS annual meeting, and one resident attends the American Orthopaedic Association (AOA) leadership meeting and the AOA Resident Leadership Forum
- **PGY-5:** One review course for Part I of the ABOS exam



ORTHOPEDIC RESEARCH

Research is an essential component of the Orthopedic Surgery Residency Program at Maimonides. Each resident must perform at least two research projects during their residency, including a manuscript worthy of submission to and publication in a peer-reviewed journal. Residents are encouraged to apply for competitive grants to get experience with grant writing.

With the assistance of a faculty mentor, residents will:

- Develop a well-designed hypothesis
- Develop a method to test the hypothesis
- Learn what statistical methods work best in establishing the validity of the study
- Learn about the strengths and potential pitfalls of statistical analysis
- Learn how to understand and interpret the quality of the literature

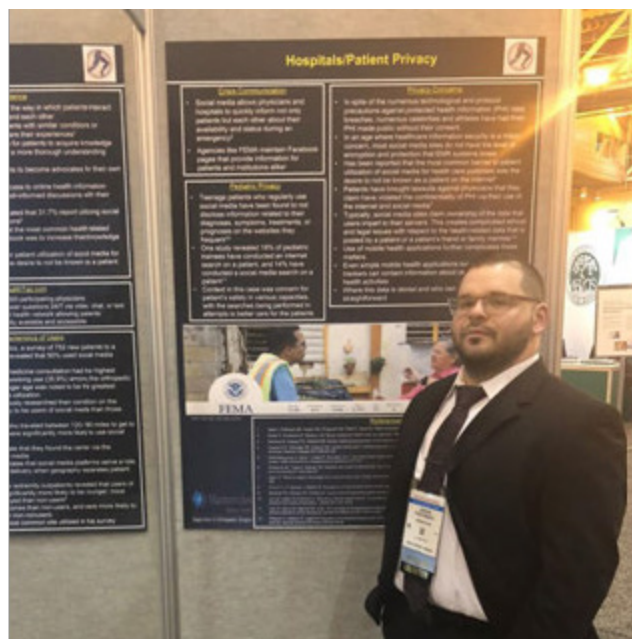
Two-Year Research Fellowship

The Department of Orthopedic Surgery at Maimonides Medical Center in Brooklyn, New York invites medical students or recently graduated physicians interested in a career in orthopedic surgery to apply to a **two-year funded position as a research fellow**. The research fellow will work in close conjunction with Dr. Jack Choueka, Dr. Afshin Razi, and other Orthopedic faculty at Maimonides Medical Center. The fellow will be given the opportunity to attend daily educational conferences with the orthopaedic surgery residents, cadaver labs, and continue to expand their clinical acumen by shadowing and observing attendings and residents within the clinical setting.

George A. Degenshein, MD Memorial Library

The Library's extensive collection includes over 7,000 electronic journals, more than 10,000 combined print and electronic books, and CD-ROMs. The scope of these resources includes all medical specialties, nursing, dentistry, allied health, the basic sciences, healthcare administration and consumer health.

The Library also features a multimedia room equipped with computers, a scanner and audiovisual hardware. Health sciences literature and information worldwide is available on the Library's Intranet website, which provides access to key bibliographic and knowledge-based full-text databases.



MENTORSHIP PROGRAM

At Maimonides Medical Center, the Department of Orthopedic Surgery's mentorship program is designed to provide residents with faculty support and guidance throughout their training. Residents meet with their mentor at least three times per year and at any other time they wish. Residents are encouraged to speak freely with their mentors, discuss their strengths and weaknesses and set goals. Residents share their career goals and expectations and receive advice and direction from their mentors.

This program:

- Helps strengthen the relationship between orthopedic surgeons and residents
- Aids in conflict resolution and career planning
- Leads to an overall positive morale among residents and staff

Each resident will have a chance to choose a mentor at the beginning of their residency. If the resident is unable to choose one within three months, the program will assign one. If there are issues between a mentor or mentee, residents can switch mentors to allow for a positive experience, and the specific issues will be addressed on a case-by-case basis.

Mentors act as role models, providing mentees with guidance during the personal and professional challenges of residency training.

RESIDENT WELL-BEING

Maimonides Medical Center has a multifaceted approach to wellness. Our hospital-wide wellness committee seeks to improve the health and wellness of all employees. Lead by the Director of Employee Health Services, the committee focuses on nutrition, activity, support and resilience. We offer onsite yoga and Zumba® classes, Weight Watchers® and a walking club, including a team-based walking contest. Heart-healthy food is available in the cafeteria at steeply discounted prices.

To help support healthy breaks for residents, the Department of Academic Affairs offers nutritious snacks, adult coloring books, puzzles and games, and outdoor green space for relaxation.

Residents have access to an employee assistance program (EAP) for 24/7 mental health support through their union. A psychologist who works exclusively for Academic Affairs is available to support the mental wellness of residents and fellows. Sessions are free and confidential.

The dedicated psychologist co-leads the Resident Wellness Committee and runs Stress Management and Resiliency Training for Residents (SMART-R) sessions, group sessions, mentorship training sessions, fatigue management sessions and suicide awareness sessions.



Two other wellness faculty also focus on group dynamics, feedback and wellness. One is a family systems therapist. The other is embedded on the units and provides an Eastern/holistic approach to wellness and communications that supports handoffs and work/life balance.

We offer onsite support for any issues that may impact the residency experience, including wellness and mental health, communication or relationship conflicts, exam difficulties, organizational skills and any other residency-related stressors. Individual counseling sessions are available as frequently as needed. We can also provide referrals to outside therapists or psychiatrists.



FORMER RESIDENTS

Class of 2025

Keith Diamond, MD

Medical School: Rutgers Robert Wood Johnson Medical School, New Jersey, NJ

Specialty: Hand and Upper Extremity

Fellowship: University of Chicago, Chicago, IL

Andrew Horn, MD

Medical School: Georgetown University, Washington, DC

Specialty: Sports Medicine

Fellowship: Hoag Orthopaedic Institute, Irvine, CA

Aaron Lam, MD

Medical School: Albert Einstein College of Medicine, Bronx, NY

Specialty: Foot and Ankle Surgery

Fellowship: Baylor University Medical Center, Dallas, TX

Mitchell Ng, MD

Medical School: Case Western School of Medicine, Cleveland, OH

Specialty: Spine Surgery

Fellowship: (2-Year) Rothman Orthopaedic Institute, Philadelphia, PA

Class of 2024

Francis Rosato, III, MD

Medical School: Sidney Kimmel Medical College at Thomas Jefferson University, Philadelphia, PA

Specialty: Sports Medicine

Fellowship: University of Pennsylvania Sports Medicine, Philadelphia PA

Samuel Swiggett, MD

Medical School: FIU Herbert Wertheim College of Medicine, Westchester, FL

Specialty: Shoulder and Elbow

Fellowship: Brown University Shoulder and Elbow Fellowship, Providence RI

Miriam Weisberg, MD

Medical School: FIU Herbert Wertheim College of Medicine, Westchester, FL

Specialty: Shoulder and Elbow

Fellowship: Johns Hopkins Shoulder & Elbow, Baltimore MD

Class of 2023

Eric Roth, MD

Medical School: University of Miami, Miami, FL

Specialty: Pediatric Orthopaedic Surgery

Fellowship: Children's Hospital, University of Colorado, Denver, CO

Ivan Golub, MD

Medical School: Robert Wood Johnson Medical School, New Jersey, NJ

Specialty: Orthopaedic Trauma

Fellowship: Massachusetts General Hospital, Boston, MA

Asad Ashraf, MD

Medical School: Zucker School of Medicine at Hofstra/Northwell, Long Island, NY

Specialty: Hand and Upper Extremity

Fellowship: Tufts/New England Baptist Combined, Boston, MA

Class of 2022

Bilal Mahmood, MD

Medical School: Albany Medical College

Specialty: Hand and Upper Extremity

Fellowship: NYU Langone Health, New York, NY

Angelo Mannino, MD

Medical School: Eastern Virginia Medical School

Specialty: Adult Reconstruction

Fellowship: Northwell Health Lenox Hill Hospital, New York, NY

Jordan Pasternack, MD

Medical School: Rutgers NJMS

Specialty: Foot and Ankle

Fellowship: MedStar Union Memorial, Baltimore, MA

Class of 2021

Garret Garofolo Gonzalez, MD

Medical School: American University of the Caribbean

Specialty: Sport

Fellowship: Southern California Orthopedic Institute, Los Angeles, CA

Matthew Ciminero, MD

Medical School: University Of Miami, Miami, FL

Specialty: Trauma

Fellowship: UC San Francisco, San Francisco General Hospital, San Francisco, CA

Daniel Komlos, MD PhD

Medical School: Rutgers NJMS, New Jersey, NJ

Specialty: Hand

Fellowship: Surgery at University of Miami, Miami, FL



Class of 2020

Michael Collins

Medical School: Louisiana State University, New Orleans, LA
 Specialty: Spine Surgery
 Fellowship: University of Southern California, Los Angeles, CA

Nicholas Richardson

Medical School: Albany Medical College, Albany, NY
 Specialty: Foot and Ankle
 Fellowship: Cleveland Clinic, Cleveland, OH

Nicholas Yohe

Medical School: New York Medical College, Valhalla, NY
 Specialty: Joint Reconstruction
 Fellowship: Lenox Hill Hospital Northwell Health, New York, NY



Class of 2019

Sheriff Akinleye

Medical School: Perelman School of Medicine at University of Pennsylvania, Philadelphia, PA
 Specialty: Hand Surgery Fellowship: University of Virginia, Charlottesville, VA

Jadie DeTolla

Medical School: SUNY Downstate, Brooklyn, NY
 Specialty: Hand Surgery
 Fellowship: New York University Langone Health, New York, NY

August Funk

Medical School: University of South Alabama College of Medicine, Mobile, AL
 Specialty: Orthopedic Trauma
 Fellowship: Denver Health, Denver, CO



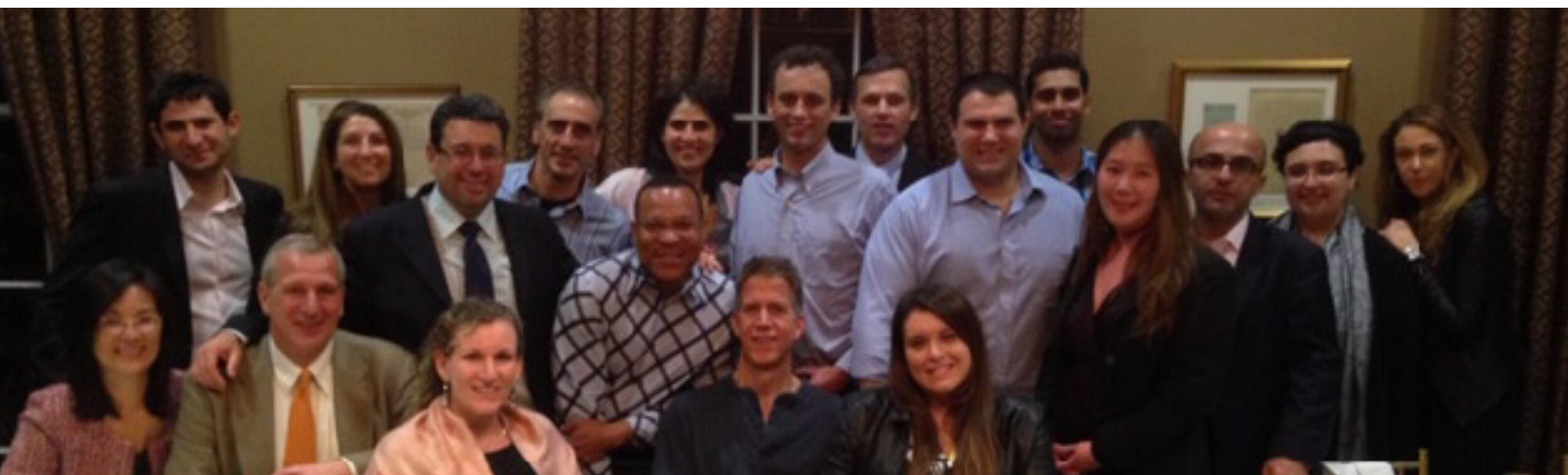
Class of 2018

Nishant Suneja

Medical School: State University of New York at Buffalo Jacobs School of Medicine & Biomedical Services, Buffalo, NY
 Specialty: Orthopedic Trauma
 Fellowship: Harvard University, Boston, MA

Elan Golan

Medical School: George Washington University School of Medicine and Health Sciences, Washington, DC
 Specialty: Sports Medicine
 Fellowship: University of Pittsburgh/UPMC, Pittsburgh, PA



Class of 2017

Giacomo Cappelletti

Medical School: Temple University, Philadelphia, PA
Specialty: Hand Surgery
Fellowship: NYU Hospital for Joint Diseases, New York, NY

Jenifer Hashem

Medical School: UMDNJ Robert Wood Johnson Medical School, Newark, NJ
Specialty: Hand Surgery
Fellowship: Oregon Health & Sciences University, Portland, OR

Ryan Krochak

Medical School: New York University, New York, NY
Specialty: Sports Medicine
Fellowship: University of Pennsylvania, Philadelphia, PA

Lana Nirenstein

Medical School: Albert Einstein College of Medicine, Bronx, NY
Specialty: Pediatric Orthopedic Surgery
Fellowship: Johns Hopkins, Baltimore, MD



Class of 2016

Jeffrey Orr

Medical School: Georgetown University School of Medicine, Washington DC
Specialty: Sports Medicine
Fellowship: University of South Florida, Tampa, FL

Ramin Sadeghpour

Medical School: Tulane University School of Medicine, New Orleans, LA
Specialty: Shoulder and Elbow
Fellowship: San Francisco Shoulder and Elbow Clinic, San Francisco, CA



Class of 2015

Yvette Ho

Medical School: Georgetown University, Washington, DC
Specialty: Musculoskeletal Oncology
Fellowship: MD Anderson Cancer Center, Houston, TX

Christopher Mileto

Medical School: New York Medical College, Valhalla, NY
Specialty: Adult Reconstruction
Fellowship: Hedley Orthopedic Institute, Tempe, AZ

Ahmed Saleh

Medical School: Dartmouth College, Hanover, NH
Specialty: Spine Surgery
Fellowship: University of Rochester, Rochester, NY

Class of 2014

Kevin Kang

Medical School: UMDNJ Robert Wood Johnson Medical School, Newark, NJ
Specialty: Orthopedic Trauma
Fellowship: University of Pittsburgh, Pittsburgh, PA

Zachary Mallon

Medical School: Michigan State University College of Human Medicine, East Lansing, MI
Specialty: Orthopedic Trauma
Fellowship: Orthopedic Trauma Surgeons of Northern California, Roseville, CA



Class of 2013

Eric Eisemon

Medical School: Medical College of Virginia,
 Richmond, VA
 Specialty: Adult Reconstruction
 Fellowship: Massachusetts General Hospital / Harvard
 Combined Orthopedic Program, Boston, MA

Karthik Jonna

Medical School: UMDNJ Robert Wood Johnson
 Medical School, Newark, NJ
 Specialty: Adult Reconstruction
 Fellowship: Columbia University Medical Center, New
 York, NY



Class of 2012

Philip Lahey

Medical School: Tufts University School of Medicine,
 Boston, MA
 Specialty: Sports Medicine
 Fellowship: Brown University, Providence, RI

Archit Patel

Medical School: Washington University, St. Louis, MO
 Specialty: Hand and Upper Extremity
 Fellowship: University of Chicago, Chicago, IL

Norman Stone

Medical School: Tufts University School of Medicine,
 Boston, MA
 Staff Orthopedic Surgeon, US Air Force, Washington, DC



Class of 2011

Robert Getter

Medical School: Autonomous University of
 Guadalajara, Mexico
 Specialty: Spine Surgery
 Fellowship: Spine Institute of Arizona, Scottsdale, AZ

David Hardeski

Medical School: Drexel University College of
 Medicine, Philadelphia, PA
 Specialty: Orthopedic Trauma
 Fellowship: R Adams Cowley Shock Trauma Center,
 Baltimore, MD

Class of 2010

Marc Kaye

Medical School: Albert Einstein College of Medicine,
 Bronx, NY
 Specialty: Hand and Upper Extremity
 Fellowship: University of Pittsburgh, Pittsburgh, PA

Stephen Ou

Medical School: Nova Southeastern University, North
 Miami Beach, FL
 Specialty: Sports Medicine
 Fellowship: University of Arizona, Tucson, AZ

Class of 2009

Louise Boyce

Medical School: Northeastern Ohio University College of
 Medicine, Rootstown, OH
 Specialty: Pediatric Orthopedics
 Fellowship: Nemours/Alfred I DuPont Hospital for
 Children, Wilmington, DE

Francisco Rubio

Medical School: Harvard Medical School, Boston, MA
 Specialty: Hand and Upper Extremity
 Fellowship: Cleveland Clinic, Cleveland, OH

Class of 2008

Howard Goodman

Medical School: Albert Einstein College of Medicine,
 Bronx, NY
 Specialty: Musculoskeletal Oncology
 Fellowship: UMDNJ Robert Wood Johnson Medical
 School, Newark, NJ

Class of 2007

Lorenzo Gamez

Medical School: Autonomous University of Guadalajara, Mexico
Specialty: Foot and Ankle
Fellowship: Mercy Medical Center/Union Memorial Hospital, Worcester, MA

Class of 2006

Ashok Dubey

Medical School: New York University, New York, NY
Specialty: Hand and Upper Extremity
Fellowship: NYU Hospital for Joint Diseases, New York, NY

David Edelstein

Medical School: Albert Einstein College of Medicine, Bronx, NY
Specialty: Hand and Upper Extremity
Fellowship: NYU Hospital for Joint Diseases, New York, NY

Abhay Patel

Medical School: Boston University School of Medicine, Boston, MA
Specialty: Foot and Ankle
Fellowship: Michigan International Foot and Ankle Center, Pontiac, MI
Specialty: Sports and Knee
Fellowship: Orlando Regional Medical Center, Orlando, FL

Class of 2005

Ki Soo Hwang

Medical School: UMDNJ - Robert Wood Johnson Medical School, Newark, NJ
Specialty: Spine Surgery
Fellowship: University of California, San Francisco, CA

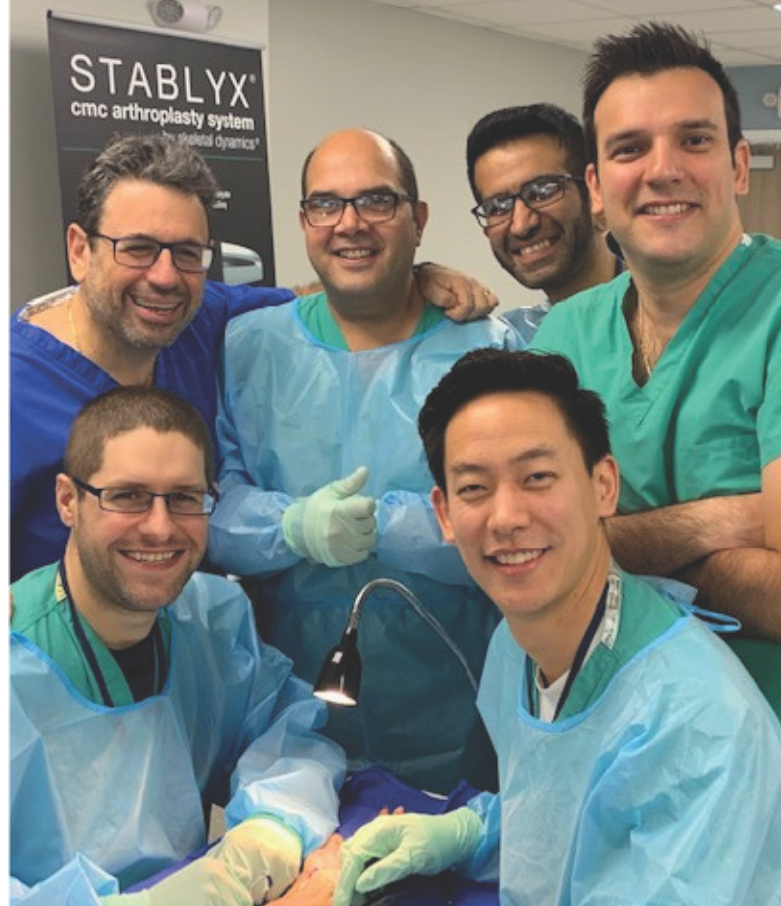
Class of 2004

Vinson Smith

Medical School: University of Florida College of Medicine, Gainesville, FL
Specialty: Sports Medicine

Craig Weinstein

Medical School: Tulane University School of Medicine, New Orleans, LA
Specialty: Sports Medicine
Fellowship: American Sports Medicine Institute, Birmingham, AL



Class of 2003

Jeremy Stevens

Medical School: University of Illinois College of Medicine, Chicago, IL
Specialty: Sports Medicine
Fellowship: Doctors Hospital, Miami, FL

Class of 2002

John Klein

Medical School: Medical College of Wisconsin, Milwaukee, WI
Specialty: Sports Medicine

Amir Matityahu

Medical School: Hahnemann University, Philadelphia, PA

Specialty: Orthopedic Trauma

Fellowship: R Adams Cowley Shock Trauma Center, Baltimore, MD

HOW TO APPLY

The Department of Orthopedic Surgery participates in the National Resident Matching Program (NRMP). Each year we match three residents.

All applications are handled through the Electronic Residency Application Service (ERAS) at www.aamc.org/eras and will be reviewed by two members of our selection committee. Complete details and timelines are available on the ERAS website.

Applicants to the residency program must submit the following:

1. ERAS application
2. The following supporting materials are submitted through ERAS:
 - Medical Student Performance Evaluation (MSPE – Dean's Letter)
 - Medical school transcript
 - Three (3) letters of recommendation (at least one of which should be from a member of the applicant's faculty)
 - USMLE/NBME transcripts
 - Personal statement

Important Dates for 2022-2023

1. Applications are due by October 1, 2022.
2. Invitations will be sent on November 14, 2022.
3. Virtual interviews will be scheduled in December 2022, January 2023, February 2023 through Thalamus.

Maimonides Medical Center complies with federal and city laws and orders prohibiting discrimination in employment. Such discrimination includes race, creed, color, national origin, sex, age, handicap, marital status or sexual orientation.



MEDICAL STUDENT ELECTIVE PROGRAM IN ORTHOPEDICS

The Department of Orthopedic Surgery at Maimonides Medical Center is an outstanding atmosphere to present senior medical students a comprehensive outline of the spectrum of orthopedic surgery as practiced in a community hospital. Our residency program is a fully accredited orthopedic training program that accepts three residents per year. There is a large volume of elective orthopedic surgery performed at Maimonides, and an active emergency department that presents a variety of orthopedic trauma.

This elective rotation is for fourth-year medical students interested in pursuing a career in orthopedic surgery. It is a four-week experience in the management of injury and illness of the musculoskeletal system.

Students will participate in the care of patients treated in the hospital, emergency room, operating room and outpatient clinics. Students will work as members of the orthopedic resident team, participate in resident lectures and have the opportunity to conduct orthopedic research.

Students will act in the capacity of a junior resident with regular patient responsibilities, clinic duties and operating room duties. They will attend teaching conferences and rounds with the orthopedic staff. Students are not observers in this elective, but an integrated part of the patient care team.

Students are required to meet with their preceptor at the beginning of the rotation to discuss learning objectives. Students should also seek and receive preceptor feedback midway through the rotation. Because of the short duration of this rotation, students must be professionally confident, considerate and well-prepared. These characteristics are imperative for students to get the most out of this rotation.

Students are encouraged to go to the operating room to scrub on cases. The basic schedule begins with ward rounds, followed by a conference daily. These conferences include grand rounds, didactic lectures and a weekly case review. Guest lecturers are frequently present for grand rounds presentations.

We are committed to providing medical students with the best possible experience. Our program offers the following:

- A structured, but personalized, learning experience
- Introduction to the scope and character of the practice of orthopedic surgery
- Intense exposure to the inpatient and outpatient treatment of orthopedic pathologies through participation in clinical, operative and call activities
- Overview of specific diseases encountered and types of surgery performed in the various subspecialty areas of orthopedic surgery
- In-depth instruction to develop competency and mastery of musculoskeletal examination techniques and skills
- Personal experience with faculty mentors, fellowship-trained in their respective orthopedic subspecialties
- Opportunities to participate in new and ongoing research projects within the department

The overall goal of this rotation is to provide medical students with a basic understanding of the pre- and post-operative evaluation of emergent and elective surgery cases, basic knowledge of surgical decision making and proper musculoskeletal management.

At the completion of this rotation, students should have reinforced certain broad goals, including:

- The ability to obtain and report a basic orthopedic patient history for common orthopedic conditions and injuries
- The ability to perform and report a basic orthopedic physical examination of the spine, shoulder, elbow, wrist and hand, pelvis and hip, knee, and foot and ankle
- Demonstrate an understanding of the basic science and natural history of common orthopedic conditions and injuries
- The ability to develop a working differential diagnosis for common orthopedic conditions and injuries and to demonstrate an understanding of the appropriate timing and use of common diagnostic testing modalities to assist with determining a definitive diagnosis

- Knowledge of appropriate available treatment alternatives, including both nonoperative and operative, for common orthopedic conditions and injuries

To maximize the learning experience for all students, only one student is placed on any given rotation. Rotations are designed around the schedules and academic calendars of the applicants.

Medical students on orthopedic surgery rotations will be responsible for the following:

- Participation in rounds, clinics and operating rooms
- Demonstration of basic knowledge of patient care during clinic
- Conference attendance
- Participation in call
- Maturity and professionalism
- Three one-on-one case presentations to faculty
- Formal presentation to faculty and residents at the end of the rotation

How to Apply for the Medical Student Elective The

Department of Orthopedic Surgery accepts fourth-year medical students from U.S. allopathic medical schools.

Maimonides Medical Center uses the Visiting Student Application Service (VSAS) to receive visiting student applications. To apply, complete and send us a VSAS application for the orthopedic surgery elective and desired dates. This service is for participating U.S. LCME-accredited schools to use.

For more information on VSAS, visit www.aamc.org/vsas or contact VSAS at vsas@aamc.org or (202) 478-9878. If your school does not participate in VSAS, use the link below for the Maimonides online application.

Apply Online for Undergraduate Medical Education

For additional information, contact:

Tina Marshall, UME - Student Education Coordinator

Phone: (718) 283-7629

Fax: (718) 283-8239

Email: tmarshall@maimonidesmed.org



VISITING PROFESSORS



Charles R. Clark, MD
Professor of Orthopedics and
Rehabilitation, University of Iowa
Health Care (JBJS Journal Club
Visiting Professor)



Amir Matityahu, MD,
Director of Pelvis and
Acetabular Trauma
Reconstruction at San Francisco
General Hospital (Alumni Class
of 2002 Visiting Professor)



Lew C. Schon, MD
Professor of Orthopedics and
Rehabilitation, University of Iowa
Health Care (JBJS Journal Club
Visiting Professor)



Martin A. Posner, MD, Clinical
Professor of Orthopedic
Surgery, New York University



Freddie H. Fu, MD
Professor and Chair,
Orthopedic Surgery, University
of Pittsburgh (Brooklyn
Orthopaedic Society Visiting
Professor)



Felix "Buddy" Savoie, III, MD,
Chairman of Orthopaedic
Surgery, Tulane University
(Brooklyn Orthopaedic Society
Visiting Professor)





DEPARTMENT OF ORTHOPEDIC SURGERY
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