

MIAMI ANESTHESIA

RYDER TRAUMA CENTER

Jackson Memorial Hospital
Jackson Memorial Hospital

JMH Anesthesiology Residency Program &
The Department of Anesthesiology,
Perioperative Medicine and Pain Management
University of Miami Miller School of Medicine



Dear Applicant,

We appreciate your interest in our program and look forward to showing you what makes us so proud of the Jackson Memorial Hospital Anesthesiology Residency Program and The University of Miami Miller School of Medicine Department of Anesthesiology, Perioperative Medicine and Pain Management.

As we extend our welcome to you, we want to give you a sneak preview of the more salient aspects of our program. We are the largest anesthesiology residency program in the country and are situated in one of the world's premier destinations. The surroundings in which you train are an important aspect of selecting a residency program, and Miami is a wonderful place both to live and work. Come see for yourself why patients, faculty, staff, and students from across the country, and the world, are drawn to Miami and the Jackson Health System.

Jackson Memorial Hospital is a large, university-affiliated county hospital and the perfect setting for your anesthesiology training. We are also associated with several other hospitals to broaden your training experience. Our residents perform hundreds of cases per year covering a wide range of surgical subspecialties and settings. Our graduates count themselves amongst the most well trained anesthesiologists in the country and all will agree that they feel more than confident entering the workforce with the skills and expertise acquired over the course of our training program.

Sincerely,

Shawn Banks, M.D.
Residency Program Director
Assistant Professor of Clinical Anesthesiology
University of Miami Miller School of Medicine

Monique Espinosa, M.D.
Associate Residency Program Director
Assistant Professor of Clinical Anesthesiology
University of Miami Miller School of Medicine



Dear Applicants,

We would like to thank you for taking an interest in the Jackson Memorial Hospital Anesthesiology Residency Program. Our program offers a superb residency experience facilitated not only by the diversity of our training sites, but also a solid didactic curriculum and the dedication of our faculty. It is our hope that you will find Miami to be as compelling from both a training and personal perspective as we did four short years ago.

During the course of our program, residents can expect exposure to highly varied and complex cases and the opportunity to train across multiple institutions, each with a different atmosphere and set of challenges. While many of our colleagues move on to well-respected fellowship positions, this variety serves to ensure that residents are well-prepared to transition to any number of different settings upon completion of the program. Along the way, residents benefit from a robust, longitudinal didactic lecture series held during protected time in the afternoon alongside rotation-specific lectures and conferences.

Another strength of our program is its size. As the largest Anesthesiology residency program, our colleagues and faculty come from across the country to train and work in the attractive environment of Miami. From the perspective of a resident, this ensures an unmatched flexibility with regard to scheduling and facilitation of elective rotations. Furthermore, residents can easily identify faculty members who share their interests and are eager to either mentor or collaborate in research endeavors. This diversity ensures that all types of interests can be pursued and further developed during the course of your training, as evidenced by the success of our graduates.

We look forward to meeting you during your time with us in Miami and hope that you will have the opportunity to get a better feel for our program and the city of Miami. Please do not hesitate to contact us at jmhchiefs2015@gmail.com should you have any questions prior to, or after, your interview.

Sincerely,

Julio Benítez, M.D.

Jennifer Charles, M.D.

Christina Le, M.D.

Chief Residents, 2014-2015

jmhchiefs2015@gmail.com





Jackson Health System and The University of Miami Miller School of Medicine

Our department maintains the largest Anesthesiology residency program in the country, proudly graduating over 30 residents each year. Including interns and fellows, our department has over 120 trainees. Our residents hail from all over the country, with residents from as far West as California, New Mexico, and Arizona, the Pacific Northwest, and throughout the East. We value our unique diversity and believe that this eclectic mix of residents enhances the learning environment.

Clinical Base Year (Anesthesiology Internship)

We offer a 4-year, integrated program to 18 interns annually. The internship is tailored for the future anesthesiologist and includes experience in intensive care, pulmonology, cardiology, emergency medicine, otolaryngology, pain medicine, as well as medical and surgical wards.

Anesthesiology Residency

A large residency program offers many advantages. Residents have the opportunity to rotate through several different locations during the course of their residency. Exposure to both academic and community-based practice settings provides for a well-balanced learning experience.

CA-1

The year begins with a one month introduction to the basics of anesthesia. Residents will spend their mornings working alongside senior residents in the operating room prior to didactic lectures in the afternoon. During this initial month of duty, residents do not take call in order to facilitate adequate time for reading and academic preparation. The remainder of the year is spent strengthening these basic skills at our various clinical sites. Residents also gain exposure to critical care and obstetric anesthesia.

CA-2

Residents transition to a higher level of patient care and more challenging anesthesia care plans. This year focuses on subspecialty rotations including neuro, cardiothoracic and pediatric anesthesia. Acute/Chronic pain management, preop evaluation, postop management, further training in critical care and obstetric anesthesia also occur during this year.

CA-3

The final year of education focuses on preparing our residents for entering the workforce in both autonomous and supervisory capacities. Residents will serve as “team chiefs” during a portion of their senior year and will manage the operating room schedule, ensure timely case starts and turnover, as well as supervise junior residents. Residents also have the opportunity to enhance their skills within the subspecialties they choose.



Jackson Memorial Hospital is an expansive 1550 bed, non-profit community teaching hospital and tertiary care center that maintains four primary clinical training sites on the same campus:

- **Diagnostic & Treatment Center (DTC/Main OR)** is our most diverse site and houses over 30 operating suites with a wide variety of case exposure, including a pediatric, cardiothoracic, and a robust cranial and spine neurosurgical service. Daily case assignments are made with the input of senior residents, thus ensuring our trainees capture the best cases available.

- **Ryder Trauma Center** is South Florida's only Level 1 adult and pediatric trauma and burn center, housing 6 busy operating rooms, 5 trauma resuscitation bays, and a dedicated 28 bed trauma/burn ICU. Residents gain unique exposure not only to the operative and ICU management of trauma patients, but also acute care surgery. Emergency airway management is the exclusive purview of the Anesthesiology department, which further broadens resident training.

- **Holtz Children's Hospital** is among the nation's top children's hospitals and a leader in pediatric and neonatal care. Holtz houses its own separate operating suites and is home to our pediatric cardiothoracic anesthesia rotation.

- **Women's Hospital Center** is one of the largest women's centers in South Florida with five operating suites and 30 labor and delivery suites. Anesthesiology residents play an integral role in the management of our approximately 3500 deliveries per year and can expect exposure to a large number of high-risk pregnancies and diverse pathology.

Within walking distance on the same medical campus, residents will also rotate through several affiliated hospitals, each with unique educational benefits:

- **University of Miami Hospital**, a 560-bed facility with 14 operative suites and an attached ambulatory surgery center, offers a highly varied and challenging case load in a setting more akin to private practice.

- **Sylvester Comprehensive Cancer Center**, with its four operative suites, hosts a large number of complex head and neck surgeries, which often present unique challenges in airway management.

- **Bascom Palmer Eye Institute**, routinely rated the #1 ophthalmologic hospital in the country, offers residents exposure to pediatric and adult ambulatory surgery and assorted ophthalmologic blocks.



Across the greater Miami metropolitan area, our program has sought out valuable training opportunities at community hospitals to further broaden the experience of our trainees:

- Miami Veterans Affairs Hospital**, located across the street from the main medical campus, is often requested by residents who prize its excellent didactics and medically complex patient population undergoing the full gamut of surgical procedures, including open vascular and cardiothoracic surgery. Residents also rotate through the VA surgical/ cardiothoracic ICU.

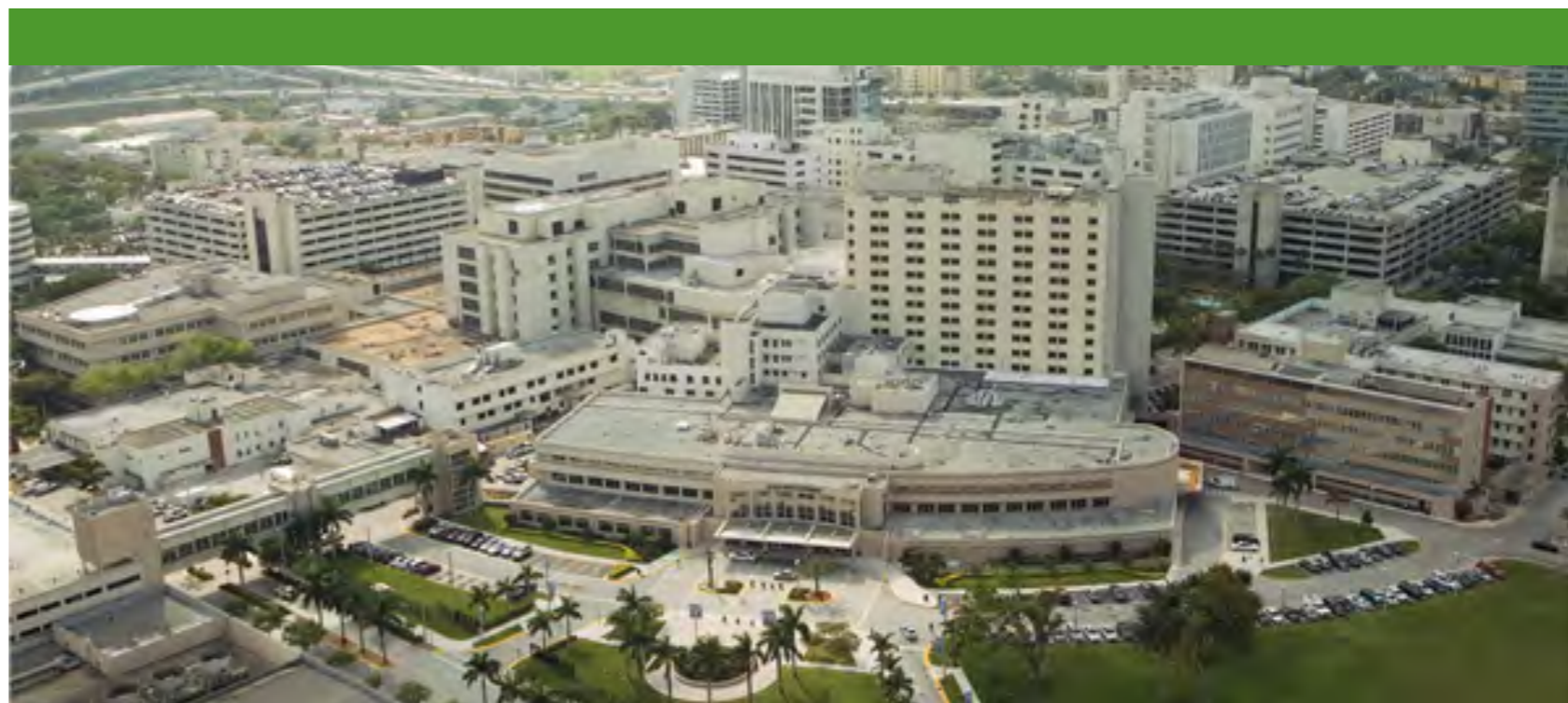
- Mount Sinai Medical Center** is a private, non-profit 672 bed teaching hospital situated on Miami Beach that hosts popular ambulatory and cardiothoracic surgery rotations. Residents gain exposure to minimally invasive valvular and bypass procedures in a fast-paced environment.

- Jackson South Community Hospital** is a 230-bed acute care facility with a varied operative schedule and low-risk obstetrics.

- Miami Children's Hospital**, which is ranked among the nation's best children's hospitals, provides residents with experience in the operative management of pediatric patients ranging from routine ambulatory surgery to complex patients undergoing high-risk procedures.

Research Opportunities

The Department of Anesthesiology is aggressively pursuing research in both the clinical and basic science arenas. Our current major areas of research involve pain, transplant, and clinical trials. The Department has funding both from the NIH as well as private sources. Residents are offered the opportunity to conduct and run research projects during their CA-2 and CA-3 years, including the option for a dedicated 6 month block during the CA-3 year. The Department is also a strong supporter of the Gulf Atlantic Resident Research Conference and encourages residents to attend and participate. We truly value our residents' academic endeavors and offer full financial support for residents to attend regional and national conferences for presentations of their work.





Clinical Rotations

Our practice sites offer amazing opportunities to rotate through subspecialty areas and advanced clinical rotations that may not be available at smaller institutions.

Cardiothoracic Anesthesia

Residents can expect exposure to the full gamut of CT cases, including on- and off-pump coronary artery bypass grafting, valve repair and replacement, minimally-invasive procedures, including VATS, major vascular surgery, ventricular assist devices, heart and lung transplantation, and repair of congenital heart defects. Exposure to the cath lab and instruction in trans-esophageal echocardiography (TEE) helps to round-out the experience.

Neuroanesthesia

Our sites provide a high volume of challenging adult and pediatric cases involving the brain and spinal cord. Neuro and Orthopedic surgeons perform approximately 1000 major spine procedures, including spine decompression/fusion, spinal instrumentation, and spinal cord tumor surgery. Over 800 surgical procedures involving the brain are done annually, including complex craniotomies, stereotactic procedures, and awake cases. The department is actively involved in the provision of anesthesia to patients undergoing neurointerventional procedures in the radiology department.

Transplant Anesthesia

JMH is one of the largest transplant centers in the world, and one of the few centers to perform intestinal and multi-visceral transplantation. Residents provide anesthetic care for all types of solid organ transplantation with one month available for a liver transplantation rotation.

Trauma Anesthesia

The Ryder Trauma Center is one of the busiest trauma centers in the world, receiving large volumes of blunt and penetrating trauma as well as burns. Challenging airway management and aggressive resuscitation are highlights of the trauma rotation. Daily morning conferences and monthly trauma journal clubs are an integral part of the education program. CA-3 residents may rotate as trauma “team chiefs,” serving as educators for junior residents and gaining experience in OR management.

Obstetric Anesthesia

The obstetric anesthesia service treats approximately 3500 women annually. Patients range from the young and healthy to very high-risk women receiving the latest in care from maternal-fetal medicine specialists. Residents enjoy daily, protected conference time with some of the nation’s most prominent obstetric anesthesiologists.



Critical Care Medicine

Residents have the opportunity to rotate through several intensive care units as interns and residents: Surgical ICU, CT Surgical ICU, VA Surgical ICU, and Trauma ICU. Our department believes in an open, interdisciplinary approach to critical care. Residents will interact with critical care anesthesiologists as well as surgically and medically trained intensivists. Our program places a strong emphasis on critical care, which ensures that residents will be comfortable managing high-acuity patients.

Regional Anesthesia

Residents rotate on a dedicated acute pain service and regional anesthesia teams for one month blocks. Residents can expect to participate in approximately 100 blocks per month, and will gain a thorough knowledge of both nerve stimulator and ultrasound-guided nerve block techniques.

Pain Management

Jackson Memorial Hospital and its affiliated sites offer interventional treatment and clinical management for patients from all over the world. Residents receive first-hand experience in patient examination, clinical diagnosis, and formulation of treatment plans for a diverse patient population. In addition to the usual variety of diagnostic blocks and therapeutic injections, residents have the opportunity to participate in state of the art interventional procedures, including intrathecal pump placement, as well as spinal cord and peripheral nerve stimulator implantation.



Post-Anesthesia Care Unit/Airway Rotation

Residents rotating through the Post-Anesthetic Care Unit (PACU) learn to recognize and manage acute post-surgical problems, such as hemodynamic instability, acute pain, and acute respiratory problems. They also learn to determine if patients are suitable to be discharged from the PACU. During the PACU rotation, residents will also carry the airway pager and respond to respiratory/cardiac arrests.

Perioperative Medicine/Preop Clinic

The preoperative clinic, which is directed by faculty from the department of anesthesiology, is an integral part of our expanding focus on the perioperative care of surgical patients. Residents rotating through the clinic learn to comprehensively assess pre-operative patients, ensuring that they are medically and emotionally prepared for surgery. Residents learn the principles of risk estimation, appropriate laboratory and diagnostic testing and interpretation, utilization of consultants from other specialties, and the formulation of a complete medical assessment.



Education and Training

Academics are a priority at our institution, and residents are unfailingly provided with relief from clinical duties to attend lecture. Educational programs are considered protected academic time.

Lectures

Level-specific, weekly lectures for each clinical anesthesia class constitute the core of the didactic program. CA-1 lectures focus on the basic elements of anesthesia practice, while CA-2 lectures direct attention to subspecialties within our practice. During the third year, our lecture series takes on a problem-based learning approach which strengthens senior residents' clinical skills, judgment and prepares them for oral examinations. Journal Club is a resident-directed, round table discussion of current literature and research topics at the forefront of our field. Additionally, many rotations host dedicated lecture series with arrangements made therein for relief from clinical duties.



Conferences

Grand Rounds and Morbidity & Mortality conferences occur on alternating weeks. Our newly designed Grand Rounds program focuses on resident presentations as well as an active Visiting Professor lecture series. Our M&M conferences focus on creating a non-hostile environment where residents and faculty can discuss anesthetic management issues and increase the quality of patient care across our institution. Residents are also welcome at all fellowship conferences and lectures.

Board Preparation

Annual written exams include the ABA In-Training Exam and Anesthesia Knowledge Test. We are very proud of our exam success rates, and our residents routinely perform above the national average. Detailed, personalized exam reports are provided to each resident, enabling residents to focus on areas of weakness.

Mock oral exams are administered at least biannually starting in the CA-1 year by Anesthesiology faculty, many of whom are actual Oral Board Examiners.

Faculty

Our program offers the opportunity to work alongside a wide variety of attendings from a myriad of academic backgrounds. Residents' feedback is taken very seriously, and a portion of each attending's salary is dependent on the anonymous faculty evaluations completed by residents.

The Center for Patient Safety

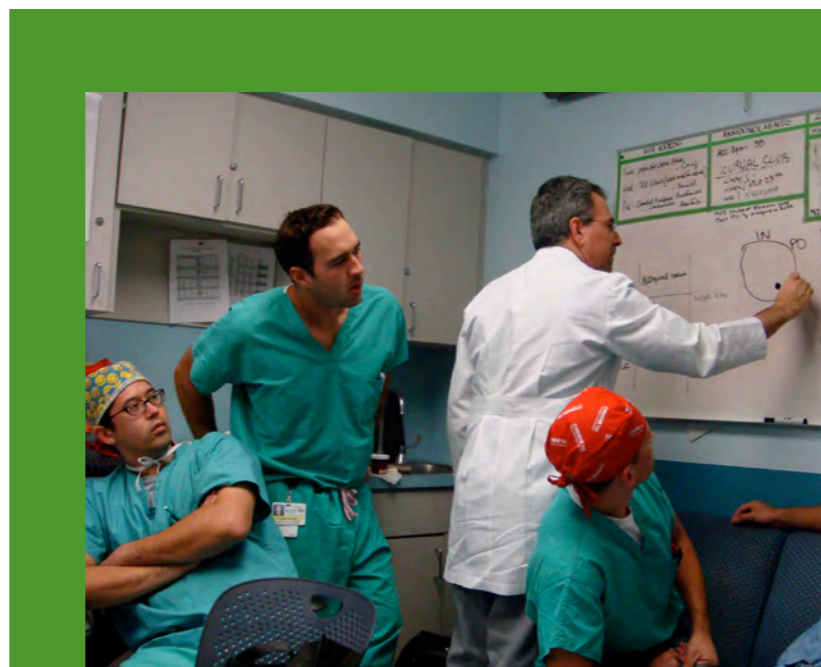
Our department-run simulation center houses a facility with high-fidelity mannequins, real-time video feedback, and attending-led debriefing sessions. Simulation has become a cornerstone of resident education, and all residents receive protected time for simulator sessions throughout the year. Groups of residents participate in simulations directed at complex clinical scenarios with a focus on the management of potentially life-threatening conditions and the management of the difficult airway.

Fellowships

Our program offers fellowships in all ABA-approved subspecialties including Critical Care, Cardiothoracic, Obstetric and Pediatric Anesthesia, as well as Pain Management. Additionally, we offer one-year fellowships in Regional, Transplant and Neuroanesthesia.

We have a long history of placing residents in some of the most prestigious fellowship programs across the country. Recent graduates have accepted fellowship positions at institutions including:

Cleveland Clinic, Harvard Children's, Johns Hopkins, Denver Children's, Texas Heart Institute, Pittsburgh Children's, Mayo Clinic, Beth Israel Deaconess, Brigham and Women's, Massachusetts General, University of Washington, Children's National, Boston Children's, Duke University, Hospital for Special Surgery, Children's Hospital of Philadelphia, UC-San Diego, and UC-Los Angeles.



Resident Benefits

In addition to offering nationally competitive salaries, resident benefits include:

Medical Insurance for the resident and their dependents. The Jackson Health Plan offers 100% coverage with no deductibles, co-payments, or premiums. It also includes 100% prescription coverage, dental insurance and mental health coverage for the resident and their dependents.

Disability Insurance and a \$50,000 term Life Insurance policy is provided free to the resident.

Each year, a \$1250.00 Professional Educational Allowance is provided to each resident in the form of a bonus check. These funds are allowed to be used at the resident's discretion.

Residents will receive three new lab coats and three pairs of scrubs at the onset of each academic year. Annual discounted parking is provided to all residents. Vacation totals 28 days per year along with 14 sick days annually.

Residents receive a Physician Dining Card allocated for meals within the Jackson Health System with free meals or meal vouchers at all satellite locations.

Miami is a major metropolis set in a subtropical enclave of palms, mangroves, and flowering trees. The city, located on Biscayne Bay, borders an extensive waterway that extends south to the Florida Keys. To the west, Miami borders on the ecologically unique area known as the Everglades. The beautiful beaches of Key Biscayne and Miami Beach are just minutes from the medical campus. Winters are warm and dry, and the summer is typically moderated by sea breezes. Our average year-round temperature is a balmy 76 degrees.

The Miami area is a young, culturally diverse region served by two major orchestras, opera, and ballet. There are frequent concerts of rock, jazz, folk, Latin, and Caribbean music year-round. There are repertory theater productions as well as road shows of Broadway plays. The city hosts numerous events throughout the year including Art Basel, the Winter Music Conference, Miami Fashion Week, the Sony Ericsson Open, and the SoBe Wine & Food festival. As a major tourist destination, there is never a lack of opportunities for entertainment.

Greater Miami is a sports mecca with a professional team in every sport including the Dolphins, Heat, and Marlins. Miami is an excellent location for outdoor activities, including scuba diving and snorkeling on the coral reefs, year-round golf, tennis, fishing, sailing, swimming, running, and biking. Marathon training and triathlon competitions are local favorites. It is truly a great place to partake in outdoor activities year-round. The casual atmosphere of the city and its establishments ensure that children and families are always comfortable and welcome virtually anywhere.

Choosing the city of Miami to call your home is a wise decision. The 'Magic City', filled with ethnic and cultural diversity, will satisfy anyone's desire to live in a wonderful place. You won't be disappointed





Jackson Memorial Hospital

<http://www.jacksonhealth.org>

Anesthesiology Residency Website

<http://www.jacksonhealth.org/residency-anesthesiology.asp>

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Please direct questions to:

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Assistant Program Director

mespinosa@med.miami.edu

Jackson Memorial Hospital is easily accessible from both Miami International (MIA) and Fort Lauderdale (FLL) Airports.

In order to take full advantage of all Miami has to offer, we recommend visitors plan their stays in one of the following areas:

Miami Beach/South Beach

Brickell/Downtown

Coconut Grove/Coral Gables