

# UF | UNIVERSITY *of* FLORIDA

COLLEGE OF MEDICINE • JACKSONVILLE



## DEPARTMENT OF MEDICINE **ANNUAL REPORT**

*2021-2022*

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**University of Florida**  
**College of Medicine–Jacksonville**  
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**STATEMENT FROM THE CHAIR**  
ACADEMIC YEAR 2022 (7/21 - 6/22)

Dear Colleagues and Friends:

I am pleased to share with you the Annual Report of the Department of Medicine at the University of Florida-College of Medicine - Jacksonville for the academic year July 2021 through June 2022. Despite the continuing challenges of the Covid-19 pandemic, the faculty and staff of the Department were able to achieve excellence in patient care, education and research.

**Patient care:** The clinical productivity continued growth in essentially every Division and service lines. The number of encounters increased for both the hospitalized patients as well in our outpatient clinics at the 8<sup>th</sup> street campus, UF Health North and Emerson street campus. The growth in our clinical activities allowed the Department to finish the year with a positive variance to the budget of \$1,173,016 and a positive bottom line of \$1,163,737

**Education:** The Department continues to excel in its mission of educating students and residents. There were 31 faculty members in the Department who received the Exemplary Teacher Award. In addition, several faculty members and trainees in the Department of Medicine were finalists for key education awards. Dr. Sottile was selected as the Kenneth Kellner Clerkship Director of the Year for the College of Medicine and Dr. Cameron Kahn (PGY-2) was inducted into University of Florida Alpha Omega Alpha (AOA) Honor Medical Society. Continuing Medical Education events, such as the annual Nephrology symposium was offered virtually.

**Research:** The Department had a productive year in research. There were 181 peer-reviewed publications and 13 monographs and book chapters. Faculty made over 130 national and regional presentations. During the academic year 2022, we had 83 research awards. The scholarly productivity of the house staff remained high with 18 published manuscripts and 56 oral/poster presentations at regional/national meetings.

The Department of Medicine continues to excel in every aspect of the academic mission. It is indeed a privilege and a distinct honor to serve as the Chair of the Department.

Sincerely,

Arshag D. Mooradian, M.D.  
Professor and Chair

**DEPARTMENT ORGANIZATIONAL OVERVIEW**  
ACADEMIC YEAR 2022 (7/21 - 6/22)

**Arshag D. Mooradian, M.D.**  
Chair, Department of Medicine

**Linda R. Edwards, M.D.**  
Associate Chair, Department of Medicine

**James Scolapio, M.D.**  
Associate Chair, Department of Medicine

**Jeffrey House, D.O.**  
Associate Chair, Department of Medicine

**Michael Haas, Ph.D.**  
Director of Research

**Ronald Stone, M.B.A., R.D.**  
Director

**DIVISION CHIEFS**

<b>Cardiology</b>	Dominick Angiolillo, M.D.
<b>Endocrinology, Diabetes and Metabolism</b>	Kent R. Wehmeier, M.D.
<b>Gastroenterology</b>	Peter Ghali, M.D.
<b>General Internal Medicine</b>	Jeffrey House, D.O.
<b>Hematology and Medical Oncology</b>	Walter Quan, Jr., M.D.
<b>Infectious Disease</b>	Michael Sands, M.D., M.P.H. & T.M.
<b>Nephrology and Hypertension</b>	Charles Heilig, M.D.
<b>Pulmonary, Critical Care and Sleep Medicine</b>	Mehdi S. Mirsaeidi, M.D.
<b>Rheumatology and Clinical Immunology</b>	Gurjit Kaeley, M.D.

**EDUCATIONAL LEADERSHIP**

**Jeffrey House, D.O.** Program Director, Internal Medicine Residency

**Carlos Palacio, M.D., M.P.H.** Associate Program Director, Internal Medicine Residency

**Elisa Sottile, M.D.** Associate Program Director, Internal Medicine Residency and Director, Medical Student Clerkship

**RESIDENTS/FELLOWS****Chief Residents - 2**

Madeline Fasen, DO  
Christopher Izzo, DO

**Housestaff I - 20**

Adefemi Adeyemo, MD  
Kylie Alberts, DO  
Kristi Anderson, DO  
Mazieyar Azad, MD  
Steven Badami, MD  
Kimberly Boldig, DO  
Pranitha Chekka, DO  
Tanya Deol, MD  
Andrew Flint, DO  
Mike Ghobrial, DO  
Emma Griffith, DO  
Hui Jun Guo, DO  
Sharif Hussein, MD  
Abhinav Karan, MD  
Amy Kiamos, DO  
Azeem Rathore, DO  
Nicholas Schuck, MD  
Kimberly Seamon, MD  
Ajay Sethi, MD  
Layton Wiemer, DO

**Housestaff II - 14**

Zachary Chandler, DO  
Ryan Coultas, DO  
David Gidla, MD  
Cameron Kahn, DO  
Reshmi Mathew, DO  
Swetha Nuthulaganti, DO  
Melissa Oye, DO  
Shaorinkumar Patel, DO  
Zack Ramilevich, MD  
Stephanie Rothweiler, MD  
Radhika Sharma, DO  
Raj Shukla, DO  
Natalie Torrente, DO  
Marcos Valentin Rentas, MD  
Yixin Zhang, MD

**Housestaff III - 14**

Aleem Ali, MD  
Joshua Calvert, MD  
Nisha Chowdhury, MD  
Pooja Dhruva, MD  
Samuel Foldy, DO  
Fadi Kandah, DO  
Naji Maaliki, MD

**Medical School**

Nova Southeastern University College of Osteopathic Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton

**Medical School**

Ross University School of Medicine  
Philadelphia College of Osteopathic Medicine  
Philadelphia College of Osteopathic Medicine  
FIU Herbert Wertheim College of Medicine  
St. George's University School of Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
University of Pikeville Kentucky College of Osteopathic Medicine  
St. George's University School of Medicine  
Nova Southeastern University College of Osteopathic Medicine  
Edward Via College of Osteopathic Medicine, Carolinas Campus  
Edward Via College of Osteopathic Medicine, Carolinas Campus  
Lake Erie College of Osteopathic Medicine, Bradenton  
American University of Antigua College of Medicine  
Univ of the West Indies Faculty of Medicine St. Augustine, Trinidad  
Edward Via College of Osteopathic Medicine, Carolinas Campus  
Lake Erie College of Osteopathic Medicine, Bradenton  
St. George's University School of Medicine  
Virginia Commonwealth University School of Medicine  
Ross University School of Medicine  
Alabama College of Osteopathic Medicine

**Medical School**

Pacific Northwest Univ Health Sciences College of Osteopathic Medicine  
Edward Via College of Osteopathic Medicine, Virginia Campus  
Univ of the West Indies Faculty of Medicine St. Augustine, Trinidad  
Edward Via College of Osteopathic Medicine, Carolinas Campus  
Philadelphia College of Osteopathic Medicine, Georgia Campus  
Lake Erie College of Osteopathic Medicine, Bradenton  
West Virginia School of Osteopathic Medicine  
Burrell College of Osteopathic Medicine  
Charles E. Schmidt College of Medicine at Florida Atlantic University  
St. George's University School of Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
Nova Southeastern University College of Osteopathic Medicine  
University of Pikeville Kentucky College of Osteopathic Medicine  
Ross University School of Medicine  
St. George's University School of Medicine

**Medical School**

Univ. of the West Indies Faculty of Medicine St. Augustine, Trinidad  
Ross University School of Medicine  
Ross University School of Medicine  
Rush Medical College of Rush University  
Alabama College of Osteopathic Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
LAU Gilbert and Rose-Marie Chagoury School of Medicine

Sebastian Mikulic, DO  
Kintin Ng, DO  
Nikita Patel, DO  
Carly Rabinowitz, MD  
Amy Roemer, DO  
Spencer Streit, DO  
Eby Thekkedath, DO

**Subspecialty Fellow – Housestaff IV - 20**

Violeta Alvarez Retamales, MD - Nephrology  
Denis Asimwe, MD - Infectious Disease  
Barrett Attarha, DO - Gastroenterology  
Jennifer Batch Joudi, MD - Endocrinology  
Anamarys Blanco Fernandez, MD - Cardiology

Kai Chen, MD - Cardiology  
Gregory Churchill, DO - Gastroenterology  
Osama Elhilali, MD - Nephrology  
Julien Feghaly, MD, MPH - Cardiology  
Anupriya Ganguly, MD – Cardiology  
Lauren Graham, MD - Endocrinology  
William Kogler, DO - Cardiology  
Nithya Krishnan, MD - Hematology Oncology  
Rabia Mazhar, MD - Pulmonary/Critical Care  
Michael Omar, MD - Cardiology  
Lilian Otalora Rojas, MD - Rheumatology  
Bijal Patel, DO - Pulmonary/Critical Care  
Hamel Patel, DO - Pulmonary/Critical Care  
Anthony Stack II, DO - Hematology Oncology  
Ele Wu, DO - Clinical Cardiac Electrophysiology

**Subspecialty Fellow – Housestaff V - 14**

Kerolos Abadeer, MD - Gastroenterology  
Thaer Ahmad Musa, MD - Cardiology  
Oyindamola Akinjogbin, MD - Cardiology  
Kevin Green, MD – Pulmonary Critical Care  
Sonal Jadeja, DO, MS - Gastroenterology  
Hafiz Sarfraz Khan, MD - Nephrology  
Kevin Liu, MD - Cardiology  
Okechukwu Mgbemena, MD - Cardiology

Jose Rivas Rios, MD - Cardiology  
Ailyn Rivero, MD - Endocrinology  
Sukhraj Singh, MD - Rheumatology  
Peter Staiano, DO – Pulmonary Critical Care  
Jorge Verdecia, MD – Infectious Diseases  
Firas Warda, MD - Endocrinology

**Subspecialty Fellow – Housestaff VI - 12**

Bashar Al-Turk, DO - Cardiology  
Zachary Burden, MD - Pulmonary Critical Care  
Sebastian Carrasquillo Montalvo, MD - Cardiology  
Bakht Cheema, MD - Gastroenterology

Lake Erie College of Osteopathic Medicine, Bradenton  
Nova Southeastern University College of Osteopathic Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
Florida State University College of Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
Nova Southeastern University College of Osteopathic Medicine  
Philadelphia College of Osteopathic Medicine

**Medical School**

Universidad Central del Caribe School of Medicine  
Makerere University School of Medicine  
Philadelphia College of Osteopathic Medicine  
Universidad Francisco Marroquín Facultad de Medicina  
Pontificia Universidad Católica Madre y Maestra (PUCMM) Facultad de Ciencias de la Salud  
Florida State University College of Medicine  
University of New England College of Osteopathic Medicine  
University of Khartoum Faculty of Medicine  
St. George's University of London  
Sidney Kimmel Medical College at Thomas Jefferson University  
Ross University School of Medicine  
Lincoln Memorial University DeBusk College of Osteopathic Medicine  
American University of the Caribbean School of Medicine  
Punjab Medical College  
University of the West Indies Faculty of Medicine, Trinidad & Tobago  
Pontificia Universidad Javeriana Facultad de Medicina  
Philadelphia College of Osteopathic Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
Lake Erie College of Osteopathic Medicine, Bradenton  
Touro College of Osteopathic Medicine

**Medical School**

Ain Shams University Faculty of Medicine  
St. George's University School of Medicine  
Lagos State University College of Medicine  
Ross University School of Medicine  
Lake Erie College of Osteopathic Medicine, Bradenton  
Aga Khan University Medical College  
FIU Herbert Wertheim College of Medicine  
University of Alabama School of Medicine

Universidad del Zulia Facultad de Medicina  
FIU Herbert Wertheim College of Medicine  
St. George's University School of Medicine  
Edward Via College of Osteopathic Medicine, Virginia Campus  
Ross University School of Medicine  
St. George's University School of Medicine

**Medical School**

Lake Erie College of Osteopathic Medicine, Bradenton  
USF Health Morsani College of Medicine  
Universidad Central del Caribe School of Medicine  
Shifa College of Medicine

Meet Kadakia, MD - Hematology Oncology  
 Shreya Mishra, MD - Cardiology  
 Jose Ruiz Morales, MD - Cardiology  
 Edin Sadic, MD - Cardiology  
 Jorge Trabanco, MD - Pulmonary Critical Care  
 Herit Vachhani, MD - Gastroenterology  
 Sukhraj Singh, MD - Rheumatology  
 Dominika Zoltowska, MD - Cardiology

Seth G.S. Medical College  
 FIU Herbert Wertheim College of Medicine  
 Universidad Central del Caribe School of Medicine  
 USF Health Morsani College of Medicine  
 Ross University School of Medicine  
 American University of Antigua College of Medicine  
 St. George's University School of Medicine  
 Medical University of Gdansk

**Subspecialty Fellow – Housestaff VII - 2**

Sebastian Carrasquillo Montalvo, MD  
 Int. Cardiology  
 Aref Obagi, MD – Int. Cardiology

**Medical School**

Universidad Central del Caribe School of Medicine  
 University of Aleppo Faculty of Medicine

GRADUATE MEDICAL EDUCATION - ACADEMIC YEAR 2022 (JULY 2021 – JUNE 2022)

**Highlights**

The program continued to pursue excellence in the areas of scholarship, board pass rate, quality improvement, and fellowship match. Training programs remain strong in graduating physicians who support and serve our community. Fellowship or hospitalist practice remains a goal for the majority of our resident trainees.

At the annual program evaluation in the spring, we reviewed components of its self-study, including a SWOT (strengths, weaknesses, opportunities, and threats) analysis and a review of aims for what kind of graduates we want to send out to the medical community at large. In particular, the program aims listed below were reaffirmed and deemed reflective of our academic mission.

- Produce competent, independent practicing internists, who can comprehensively care for patients in both inpatient and outpatient settings
- Prepare competitive resident applicants for fellowship, who have the opportunity to pursue other interests beyond internal medicine. This may include scholarship, education, advocacy, or leadership
- Train practitioners to have a basic understanding of quality improvement and patient safety
- Produce residents who will serve the local community through their practice of primary care, hospital medicine, and medical subspecialties. These practitioners should have expertise in treating the variety of patient populations in our community, with a particular understanding of the medically underserved.
- Develop well-adjusted residents through a programmatic focus on physician well-being. The intent is that emotionally healthy physicians will be more resilient and able to deliver the best care to our community.

The Class of 2022 was diverse in their destinations following graduation. Seven of our graduates sought fellowship training in the subspecialties of cardiology, endocrinology, gastroenterology, pulmonary/critical care, and hematology/oncology. While three graduates were matched to fellowships at other institutions in Florida, New York, Colorado, and Hawaii. Four residents stayed in UF Jacksonville for fellowship and others have pursued hospital medicine and clinical practice in the Southeast region of the country.

We await the American Board of Internal Medicine examination results for the Class of 2022. The Class of 2021 was successful in achieving a 93% pass rate. Presently the program's ABIM three-year rolling average is 98%, above the national average of 93%. The program continues to provide trainees with a plethora of board preparation materials that include MKSAP and UWorld question banks along with Rosh Board Review each Friday in addition to high-quality clinical training.

The leadership within the residency program remained stable for the past academic year. Drs. Izzo and Fasen continued the tradition of strong chief resident teaching and leadership. They continued to build on the strong foundation from their predecessors with the continuation of the Research Club. The Research Club is a forum for trainees to present new ideas and proposed projects in front of seasoned faculty, research professionals, and fellow trainees to solicit advice and feedback before embarking on a new research endeavor. In addition, they helped develop an ultrasound curriculum (bedside echocardiography, pulmonary, renal, and bladder examinations) that included lectures at Morning Report, clinical bedside training using Butterfly ultrasounds, and hands-on training in the Center for Simulation Education and Safety Research (CSESar).

The residents presented to local conferences of the Duval County Medical Society Annual Meeting and the UF College of Medicine Research Day in Jacksonville. Presentations were made at regional conferences that included the Florida Chapter of the American College of Physicians Meetings and the American Federation for Medical Research Southern Region. Residents presented at prestigious national conferences that include the American College of Cardiology, American Thoracic Society, CHEST, Southern Medical Association, Society of General Internal Medicine, and American College of Gastroenterology meetings. Residents continue to produce scholarly activities that included presentations, publications, and abstracts despite the pandemic.

The ultrasound online learning platform and curriculum continued to develop under the leadership of our chief residents, Drs. Izzo and Fasen, as well as our faculty Drs. Harrison and Aung. The utilization of Point of Care Ultrasound (POCUS) increased with the Butterfly handheld ultrasounds in the inpatient and outpatient settings. To facilitate the supply demands for all procedures including POCUS, Dr. Fasen worked with the teams of our Epic electronic medical record, nursing leadership, and central supply department in locating a physical space near the inpatient floors to develop an automated weight bin supply process. Many health care organizations find the need to get a more precise measure of inventory by using weighted bin technology. This inventory management system uses supply bins connected to scales that are hard-wired into a system that records usage based on weight changes. When an item is removed from the bin, the scale shows the count for that item decreasing, indicating the need for restocking. This technology is a real-time saver for the residents as the supplies they need are automatically replenished and ready for the next procedure. This system contributes to billing efficiency while identifying the appropriate amount of supplies to keep on hand to ensure flowing operations.

The medical student experience in the department has continued to thrive with Dr. Elisa Sottile as the clerkship director. In June 2022, Dr. Sottile was appointed the Assistant Dean for Medical Education, working to enrich the UME programs across all Departments. Dr. Sottile meets with students individually to provide feedback, to facilitate self-reflection, and growth plans. As a member of the UF College of Medicine Regional Medical Campus Task Force, Dr. Sottile fashioned innovative changes to the student curriculum to provide an opportunity for learners to better understand health systems science as well as how the social determinants of health impact their provision of care to an underserved population. The campus continues to attract visiting medical students from other institutions. The student program notably continued to grow in terms of the number of students coming from many medical schools to do elective rotations. These students rotate in internal medicine and all of our subspecialties. Student evaluations call attention to the high value of their clinical experiences and the supportive culture maintained by their resident and faculty teachers.

Dean of our campus and CEO of UF Health Jacksonville, Dr. Leon L. Haley, died tragically in a watercraft accident on July 24, 2021. Several leadership changes occurred as a result of the loss of Dr. Haley. Dr. Linda Edwards, the previous DIO (designated institutional official), Senior Associate Dean for Educational Affairs, and Division Chief of General Internal Medicine accepted the position of Dean. Dr. Elisa Zenni, the previous Associate Dean for Educational Affairs, agreed to serve as the DIO and Interim Senior Associate Dean for Educational Affairs. Dr. Zenni became the permanent Senior Associate Dean on July 1, 2022.

For the first time, the program experienced the premature death of a beloved resident, Dr. David Gidla, in May 2022. We have since discovered that it was not a work-related issue but a personal choice to end his life. It was very hard on the residency but we had grief counselors from our institutional Center for Healthy Minds and Practice (CHaMPS) come to our memorial service and made themselves available anytime to be a source of comfort. We received a great resource from our institutional GME office and found the after-suicide toolkit from the American Foundation for Suicide Prevention indispensable in supporting our program and department. Our awareness of suicide and prevention measures was brought to light and we continue to be a support to our residents after such a great loss of an esteemed colleague and friend.

Our institution had Emergency Categorization with ACGME from August 1, 2021 to September 29, 2021 for COVID. The program was able to manage the extra admissions with minimal interruptions to the educational curriculum of the program. Despite all the challenges, the program remained strong and productive thanks to the support of the department and the dedication of our staff, faculty, and trainees.

**LISTING OF RESIDENCY PROGRAM LEADERSHIP**



**Jeff House, DO - Professor, Associate Chair of Education & Quality Improvement, Division Chief of General Internal Medicine, and Program Director**

Medical School	Nova Southeastern University College of Osteopathic Medicine	1997
Rotating Internship	Broward General Hospital	1998
Internship, Residency, and Chief Medical Resident	University of Florida Jacksonville	2001



**Carlos Palacio, MD, MPH - Professor, Associate Program Director**

Medical School	University of Miami, Miller School of Medicine	1993
Internship and Residency	University of Florida Jacksonville	1996
Chief Medical Resident	University of Florida Jacksonville	1997



**Elisa Sottile, MD - Assistant Professor, Associate Program Director, & Clerkship Director**

Medical School	Temple University, Lewis Katz School of Medicine	1993
Internship and Residency	Graduate Hospital, Philadelphia, PA	1996
Chief Medical Resident	Graduate Hospital, Philadelphia, PA	1997



**Madeline Fasen, DO - Post-Doctoral Associate and Chief Medical Resident**

Medical School	Nova Southeastern University College of Osteopathic Medicine	2018
Internship and Residency	University of Florida Jacksonville	2021
Chief Medical Resident	University of Florida Jacksonville	2022



**Christopher Izzo, DO - Post-Doctoral Associate and Chief Medical Resident**

Medical School	Lake Erie College of Osteopathic Medicine, Bradenton Campus	2018
Internship and Residency	University of Florida Jacksonville	2021
Chief Medical Resident	University of Florida Jacksonville	2022

**PUBLICATIONS**

Sorted by category (published manuscripts, published abstracts, and presentations) and by year within each category.

Published manuscripts

1. Mathew R, Sethi A, Flint AT, Omman R, House J. A Case of Undifferentiated Pleomorphic Sarcoma. *Cureus*. 2022;14(6):e26153. Published 2022 Jun 21. doi:10.7759/cureus.26153
2. Mathew R, Zhang Y, Izzo C, Reddy P. Wellens' Syndrome: A Sign of Impending Myocardial Infarction. *Cureus*. 2022;14(6):e26084. Published 2022 Jun 19. doi:10.7759/cureus.26084
3. Zhang Y, Green K, Shah S, Sattiraju S. Rare case of a large intracardiac serpiginous thrombus. *BMJ Case Rep*. 2022;15(6):e250545. Published 2022 Jun 10. doi:10.1136/bcr-2022-250545
4. Karan A, Jun Guo H, Kandah F, Reddy P. Delayed Onset Heparin-Induced Thrombocytopenia Presenting as Fever of Unknown Origin. *Am J Med*. 2022;135(10):e391-e392. doi:10.1016/j.amjmed.2022.05.019
5. Mathew R, Churchill G, Cheema B, et al. Concomitant Gastric Malignancy and Hepatocellular Carcinoma. *Cureus*. 2022;14(6):e25607. Published 2022 Jun 2. doi:10.7759/cureus.25607
6. Valentin M, Coultas R, Sottile E. Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) in Diabetes Mellitus: A Diagnostic Dilemma. *Cureus* 14(5): e25332. doi:10.7759/cureus.25332(May 25, 2022).
7. Boldig K, Montanarella M, Marji N, Siddiqi A. Uterine Sarcoma Presenting as Hypercapnic Respiratory Failure. *Case Rep Oncol*. 2022;15(2):586-592. Published 2022 May 30. doi:10.1159/000524547
8. Torrente N, Verdecia J, Sands M. An eye-opening presentation of syphilis. *Cureus* 14(5): e25132. doi:10.7759/cureus.25132(May 19, 2022).
9. Kandah F, Dhruva P, Shukla R, et al. Invasive versus non-invasive hemodynamic monitoring of heart failure patients and their outcomes. *J Geriatr Cardiol*. 2022;19(4):315-318. doi:10.11909/j.issn.1671-5411.2022.04.004
10. Zhang Y, Nuthulaganti SR, Liu K, et al. Another way to break hearts: reverse Takotsubo cardiomyopathy. *Cureus* 14(4): e24537. doi:10.7759/cureus.24537(April 27, 2022).
11. Nuthulaganti S R, Zhang Y, Akinjogbin T, et al. Flecainide-induced left bundle branch block. *Cureus* 14(4): e24385. doi:10.7759/cureus.24385(April 22, 2022).
12. Oye M, Alkhasawneh A, Quan JR. Gamma-Delta Large Granular Lymphocytic Leukemia: A Diagnostic Dilemma. *Cureus*. 2022;14(4):e24124. Published 2022 Apr 13. doi:10.7759/cureus.24124
13. Kiamos A, Nuthulaganti SR, Gujarathi R, Candula N. Ventriculitis Presenting as a Complication of Haemophilus Influenzae Mastoiditis and Meningitis. *Cureus*. 2022;14(4):e24480. Published 2022 Apr 25. doi:10.7759/cureus.24480
14. Karan A, Adeyemo A, Omar M, Fahmi K, Sattiraju S. The Lupus Attack: A Case Report and Literature Review of Myocardial Infarction and Antiphospholipid Syndrome. *Cureus*. 2022;14(4):e24067. Published 2022 Apr 12. doi:10.7759/cureus.24067
15. Sharma R, Attarha BO, Abadeer K, Ribeiro B. Massive Lower Gastrointestinal Hemorrhage as a Complication of Severe Campylobacter Enteritis. *Cureus*. 2022;14(4):e24239. Published 2022 Apr 18. doi:10.7759/cureus.24239
16. Rivas Rios J, Zhang YX, Oye M, Altunkaynak C, Saremian J, Missov E. New-onset heart failure masking a massive retroperitoneal liposarcoma. *J Geriatr Cardiol*. 2022;19(4):319-321. doi:10.11909/j.issn.1671-5411.2022.04.003
17. Nuthulaganti SR, Patel BR, Rabinowitz CA, Gutierrez M, Esmail K, Omman R. Caseous calcification of mitral annulus in the setting of multivessel disease. *J Geriatr Cardiol*. 2022;19(3):238-240. doi:10.11909/j.issn.1671-5411.2022.03.003
18. Karan A, Adeyemo A, Omar M, Fahmi K, Sattiraju S. The lupus attack: a case report and literature review of myocardial infarction and antiphospholipid syndrome. *Cureus* 14(4): e24067. doi:10.7759/cureus.24067
19. Zhang Y, Kogler W, Sattiraju S. Single leaflet device attachment. *BMJ Case Reports CP* 2022;15:e247747.
20. Zhang Y, Culpepper K, Mathew R, et al. Marchiafava-Bignami disease presenting as reversible coma. *BMJ Case Reports CP* 2022;15:e247852.
21. Zhang Y, Kogler W, Sattiraju S. Single Leaflet Device Attachment. *BMJ Case Rep*. 2022;15(2):e247747. Published 2022 Feb 28. doi:10.1136/bcr-2021-247747
22. Karan A, Guo HJ, Ng K, Izzo C. A Breathtaking Hernia: A Giant Hiatal Hernia Masquerading as Poorly Controlled Asthma. *Cureus*. 2022;14(2):e22268. Published 2022 Feb 16. doi:10.7759/cureus.22268
23. Sharma R, Nuthulaganti SR, Maharaj RP. Enhancing Communication and Patient Care: The Reverse Stethoscope Technique. *Cureus*. 2022;14(2):e22069. Published 2022 Feb 9. doi:10.7759/cureus.22069
24. Maaliki N, Ali A A, Izzo C, et al. Alarming eosinophilia from dobutamine infusion. *Cureus* 13(1): e12530. doi:10.7759/cureus.12530(January 06, 2021).
25. Valentin M, Sharma R, Trabanco J, et al. Congenital pulmonary airway malformation in an adult male presenting with hemoptysis. *Cureus* 14(1): e20862. doi:10.7759/cureus.20862(January 01, 2022).
26. Seecheran N, Grimaldos K, Ali K, Karan A, et al. The Effect of Dapagliflozin on Platelet Function Testing Profiles in Diabetic Patients: The EDGE Pilot Study. *Cardiol Ther*. 2021;10(2):561-568. doi:10.1007/s40119-021-00242-6
27. Oye M, Ali A A, Wasserman P L, et al. Manubriosternal joint involvement as a presenting feature of axial spondyloarthritis. *Cureus* 13(12): e20527. doi:10.7759/cureus.20527(December 20, 2021).
28. Verdecia J, Kunz Coyne AJ, Patel S, Oye M, Ravi M, Sands M. Miliary Histoplasmosis in a Renal Transplant Patient. *Cureus*. 2021;13(11):e19338. Published 2021 Nov 7. doi:10.7759/cureus.19338
29. Mathew R, Attarha BO, Kallumkal G, et al. A Primary Care Approach to Constipation in Adults with Intellectual and Developmental Disabilities. *Adv Med*. 2021;2021:3248052. Published 2021 Nov 15. doi:10.1155/2021/3248052
30. Nuthulaganti S R, Kandah F, Valentin M E, et al. Blasting into acute coronary syndrome. *Cureus* 13(11): e19589. doi:10.7759/cureus.19589(November 15, 2021).
31. Mathew R, Ali A, Sanders K, et al. Adrenal infarction in pregnancy secondary to elevated plasma factor VIII activity. *Cureus* 13(11): e19491. doi:10.7759/cureus.19491(November 11, 2021).
32. Mgbemena O, Zhang Y, Velarde G. Role of diabetes mellitus in heart failure with preserved ejection fraction: a review article. *Cureus* 13(11): e19398. doi:10.7759/cureus.19398(November 09, 2021).
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#### Published abstracts

1. Valentin M, Nuthulaganti S, Trabanco JM, Cury JD. Loculated Effusion Due to Lupus Pleuritis Successfully Treated with Intrapleural Tissue Plasminogen Activator and DNase. *Am J Respir Crit Care Med* 2022;205:A4166.
2. Valentin M, Sharma R, Trabanco JM, Ashby T. Congenital Pulmonary Airway Malformation in Adult Male Presenting with Hemoptysis. *Am J Respir Crit Care Med* 2022;205:A4125.
3. Chandler Z, Sharma R, Deol T, Najjar N, Isache C. A Dangerous Double Act: A Case of Pulmonary Aspergillus and Nocardiosis Coinfection in an Orthotopic Heart Transplant Patient. *Am J Respir Crit Care Med* 2022;205:A4945.

4. Kahn C, Izzo C, Seeram V. No Flow Defect Pulmonary Embolism Diagnosed by Endobronchial Ultrasound (EBUS). *Am J Respir Crit Care Med* 2022;205:A1821.
5. Nuthulaganti S, Valentin M, Rios J, Esmail K. Ranolazine induced qt prolongation and t-wave inversions. *J Am Coll Cardiol.* 2022 Mar, 79 (9\_Supplement) 2504.
6. Valentin M, Nuthulaganti S, Mishra S, Esmail K. Spontaneous coronary artery dissection in a young female with rheumatic heart disease. *J Am Coll Cardiol.* 2022 Mar, 79 (9\_Supplement) 3393.
7. Karan A, Gidla D, Mgbemena O, Esmail K. Thrombosis or hemorrhage: cardiac catheterization in a patient with hemophilia. *J Am Coll Cardiol.* 2022 Mar, 79 (9\_Supplement) 2964.
8. Karan A, Mgbemena O, Guo H, Gidla D, Velarde G. A tale of two waves: refractory t wave oversensing leading to multiple inappropriate shocks. *J Am Coll Cardiol.* 2022 Mar, 79 (9\_Supplement) 2563.
9. Karan A, Mgbemena O, Rollini F, Al-Turk B, Liu K, Rivas J, Dhruva P, et al. Percutaneous ECMO-associated harlequin (north-south) syndrome following v-a ECMO initiation. *J Am Coll Cardiol.* 2022 Mar, 79 (9\_Supplement) 2700.
10. Ganguly A, Kadakia M, Nuthulaganti S, et al. Preventing life-threatening 5-fluorouracil cardiotoxicity. *J Am Coll Cardiol.* 2022 Mar, 79 (9\_Supplement) 2209.
11. Ali A, Maaliki N, Ruiz-Morales J, Esmail K. Heart failure secondary to non-compaction cardiomyopathy. *J Investig Med.* 2022;70-2:476.
12. Ali A, Chowdhury N, Hasan I, Jaikaransingh V. Severe hypomagnesemia secondary to PPI in a patient with an ostomy. *J Investig Med.* 2022;70-2:633.
13. Dhruva P, Mikulic S, Omar MB, Reddy P. Reverse Takatsubo from profound hypokalemia. *J Investig Med.* 2022;70-2:476.
14. Flint A, Mathew R, Sethi A, Masri G. Necrotizing pancreatitis secondary to COVID-19. *J Investig Med.* 2022;70-2:668.
15. Gidla D, Ali A, Sharma R, Ghali M. Breaking the law: acute cholelithogenesis secondary to ketogenic diet. *J Investig Med.* 2022;70-2:712.
16. Kahn C, Singh S, Mathew R, Mohammad I, Omman R, Ramrattan L. Nonuremic calciphylaxis, a complication of prolonged glucocorticoid use in systemic lupus erythematosus. *J Investig Med.* 2022;70-2:726.
17. Kandah F, Nuthulaganti S, Chowdhury N, Verdecia J. A deceptive case of TB. *J Investig Med.* 2022;70-2:570.
18. Mathew R, Sethi A, Flint A, House J. Sarcoma of the hand. *J Investig Med.* 2022;70-2:461.
19. Maaliki N, Streit S, Roemer A, Staiano P, Green KR, Steinberg S, Seeram V. Implantable cardioverter defibrillator perforates the right atrium but fails to shock arrhythmia. *J Investig Med.* 2022;70-2:509.
20. Mikulic S, Guo H, Rivas Rios J, Esmail K. The misfit mitral valve. *J Investig Med.* 2022;70-2:510.
21. Ng K, Ashby T. Culture-negative septic shock—a diagnostic dilemma. *J Investig Med.* 2022;70-2:624.
22. Nuthulaganti S, Zhang Y, Kogler W, Zoltowska D, Su J. Arrhythmias in cardiac sarcoidosis: a case report. *J Investig Med.* 2022;70-2:511.



23. Oye M, Maaliki N, Al-Turk B, Aung W. Elusive myocarditis unfolding as cardiogenic shock. *J Investig Med.* 2022;70-2:512.
24. Rathore A, Mgbemena O, Rollini F. Outpatient oral corticosteroid strategy for non-fulminant myocarditis associated with COVID-19. *J Investig Med.* 2022;70-2:700.
25. Streit S, Patel S, Jablonski D, Masri G. Rare etiology of gastrointestinal bleeding. *J Investig Med.* 2022;70-2:711.
26. Thekkedath E, Sharma R, Farah J, Reddy P. An unorthodox case of May Thurner syndrome: a treatment dilemma. *J Investig Med.* 2022;70-2:564.
27. Oye M, Kahn C, Green K, Najjar N. Pneumoscrotum as a complication of spontaneous pneumothorax in a covid-19 patient. *Critical Care Medicine.* 2022 Jan;50-1:140.
28. Chandler Z, Hasan I, Jaikaransingh V. Severe Thrombocytopenia due to Electron-Beam Sterilized Polysulfone Dialyzer Membrane Reaction. *J Am Soc Nephrol.* 2021 Nov;32:322.
29. Sharma R, Stemboroski L, Ribeiro BD. An Unexpected Case of Esophageal Perforation Following Transesophageal Echocardiography. *Amer J Gastro.* 2021 Oct;116:S944.
30. Sharma R, Stemboroski L, Attarha B, Ribeiro BD, Schey R. A Rolling Stone: A Rare Case of Severe Acute Pancreatitis Caused by Obstructive Suppurative Pancreatic Ductitis. *Amer J Gastro.* 2021 Oct;116:S702.
31. Ali A, Sharma R, Vachhani H, Schey R. Dysphagia Refractory to Pharmacotherapy in a Myasthenic Patient. *Amer J Gastro.* 2021 Oct;116:S890.
32. Ali A, Mathew R, Jadeja S, Schey R, Masri G. Small Intestinal Bacterial Overgrowth After COVID-19 Infection. *Amer J Gastro.* 2021 Oct;116:S1243-1244.
33. Karan A, Solomon S, Ali K, et al. An Unusual Case of Dysphagia: Tuberculous Bronchoesophageal Fistula. *Amer J Gastro.* 2021 Oct;116:S932.

#### Presentations

1. Badami S. Epithelioid inflammatory myofibroblastic sarcoma presenting as a pericardial mass with pericardial effusion: a clinical vignette. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
2. Boldig K. Transfusion dependent congenital sideroblastic anemia in a female patient. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
3. Foldy S. Recurrent CSFoma: an uncommon cause of bowel obstruction. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
4. Guo H. It's pneumonia...it's fibrosis...it's pneumonitis! - the diagnostic conundrum of drug-induced interstitial lung disease. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
5. Karan A. The Bard's curse - a rare cause of upper extremity weakness. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.

6. Kiamos A. Invasive mucormycosis presenting with common stroke like symptoms. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
7. Zhang Y. Coronary cameral fistula: a complex finding during coronary angiography. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
8. Maaliki N. Implantable cardioverter defibrillator perforates the right atrium, but fails to shock arrhythmia. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
9. Mathew R. A tale of two carcinomas. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
10. Nuthulaganti S. Flecainide-induced left bundle branch block. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
11. Oye M. A case of hungry bone syndrome. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
12. Roemer A. Malignant Müllerian adenocarcinoma manifesting with cardiac tamponade and pleural effusion. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
13. Streit S. Rare etiology of gastroenterology bleeding. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
14. Thekkedath E. An unorthodox case of may thunder syndrome: a treatment dilemma. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
15. Torrente N. Gynecomastia with Dasatinib use in chronic myeloid leukemia. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
16. Valentin Rentas M. Massive retroperitoneal well-differentiated liposarcoma. Photo presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
17. Calvert J. Blue rubber bleb nevus syndrome revealed by anticoagulation. Photo presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2022.
18. Valentin Rentas M. Congenital pulmonary airway malformation in adult male presenting with hemoptysis. Poster presentation at: American Thoracic Society; San Francisco, CA. May 2022.
19. Valentin Rentas M. Loculated effusion due to lupus pleuritis successfully treated with intrapleural tissue plasminogen activator and DNase. Poster presentation at: American Thoracic Society; San Francisco, CA. May 2022.
20. Kahn C. No flow defect pulmonary embolism diagnosed by endobronchial ultrasound (EBUS). Poster presentation at: American Thoracic Society; San Francisco, CA. May 2022.
21. Chandler Z. A dangerous double act: A case of pulmonary aspergillus and nocardiosis coinfection in an orthotopic heart transplant patient. Poster presentation at: American Thoracic Society; San Francisco, CA. May 2022.
22. Karan A. Thrombosis or hemorrhage: cardiac catheterization in a patient with hemophilia. Poster presentation at: American College of Cardiology; Washington, DC. April 2022.

23. Karan A. A tale of two waves: refractory t wave oversensing leading to multiple inappropriate shocks. Poster presentation at: American College of Cardiology; Washington, DC. April 2022.
24. Nuthulaganti S. Ranolazine induced qt prolongation and t-wave inversions. Poster presentation at: American College of Cardiology; Washington, DC. April 2022.
25. Valentin Rentas M. Spontaneous coronary artery dissection in a young female with rheumatic heart disease. Poster presentation at: American College of Cardiology; Washington, DC. April 2022.
26. Chandler Z. Severe Rhabdomyolysis due to Legionella pneumophila infection. Poster presentation at: Florida Chapter American College of Physicians; March 2022.
27. Guo HJ. It's pneumonia...it's fibrosis...it's pneumonitis! - The Diagnostic Conundrum of Drug-Induced Interstitial Lung Disease. Poster presentation at: Florida Chapter American College of Physicians; March 2022.
28. Karan A. The Bard's Curse: A Rare Cause of Upper Extremity Weakness. Poster presentation at: Florida Chapter American College of Physicians; March 2022.
29. Kiamos A. Invasive Mucormycosis presenting with common stroke like symptoms. Poster presentation at: Florida Chapter American College of Physicians; March 2022.
30. Ali A. Heart failure secondary to non-compaction cardiomyopathy. Cardiovascular Case Report Award Winner. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
31. Ali A. Severe hypomagnesemia secondary to ppi in a patient with an ostomy. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
32. Dhruva P. Reverse Takatsubo from profound hypokalemia. Cardiovascular Case Report Award Winner. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
33. Flint A. Necrotizing pancreatitis secondary to covid-19. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
34. Gidla D. Breaking the law: acute cholelithogenesis secondary to ketogenic diet. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
35. Kahn C. Nonuremic calciphylaxis, a complication of prolonged glucocorticoid use in systemic lupus erythematosus. SAFMR/SSCI Trainee Research Travel Award Winner. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
36. Kandah F. A deceptive case of TB. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
37. Maaliki N. Implantable cardioverter defibrillator perforates the right atrium but fails to shock arrhythmia. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
38. Mathew R. Sarcoma of the hand. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.

39. Mikulic S. The misfit mitral valve. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
40. Ng K. Culture-negative septic shock-a diagnostic dilemma. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
41. Nuthulaganti S. Arrhythmias in cardiac sarcoidosis: a case report. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
42. Oye M. Elusive myocarditis unfolding as cardiogenic shock. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
43. Rathore A. Rare etiology of gastrointestinal bleeding. SAFMR/SSCI Trainee Research Travel Award Winner. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
44. Streit S. Rare etiology of gastrointestinal bleeding. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
45. Thekkedath E. An unorthodox case of May Thurner syndrome: a treatment dilemma. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2022.
46. Kahn C. Pneumoscrotum as a complication of spontaneous pneumothorax in a covid-19 patient. Poster presentation at: Society of Critical Care Medicine Congress; San Juan, PR. February 2022.
47. Chandler Z. Severe thrombocytopenia due to electron-beam sterilized polysulfone dialyzer membrane reaction. Poster presentation at: Kidney Week, San Diego, CA. November 2021.
48. Abhinav K. Shattering the Vase: A case of recurrent calcific embolic strokes in a patient with a Porcelain Left Atrium. Poster presentation at: Florida Chapter American College of Physicians; October 2021.
49. Deol T. Ace-of-Spades: A rare variant of Hypertrophic Cardiomyopathy. Poster presentation at: Florida Chapter American College of Physicians; October 2021.
50. Rathore A. A rare cause of myopericarditis with cardiac tamponade due to Arcobacter spp. in the setting of COVID-19. Poster presentation at: Florida Chapter American College of Physicians; October 2021.
51. Rothweiler S. Kun-ya, a Case of Areca Nut Toxicity. Poster presentation at: Florida Chapter American College of Physicians; October 2021.
52. Zhang Y. Another Way to Break Hearts: Reverse Takotsubo cardiomyopathy. Poster presentation at: Florida Chapter American College of Physicians; October 2021.
53. Chandler Z. Acute hypercapnic respiratory failure following initiation of hemodialysis. Poster presentation at: CHEST Annual Meeting; Virtual. October 2021.
54. Torrente N. An eye-opening presentation of syphilis. Poster presentation at: Southern Medical Association Scientific Assembly; Orlando, FL. October 2021.
55. Abhinav K. An unusual case of dysphagia: tuberculous bronchoesophageal fistula. Poster presentation at: American College of Gastroenterology Annual Meeting; Las Vegas, NV. October 2021.

- 56. Ali AA. Dysphagia refractory to pharmacology in a myasthenic patient. Poster presentation at: American College of Gastroenterology Annual Meeting; Las Vegas, NV. October 2021.
- 57. Ali AA. Small intestinal bacterial overgrowth after covid-19 infection. Poster presentation at: American College of Gastroenterology Annual Meeting; Las Vegas, NV. October 2021.
- 58. Sharma R. An unexpected case of esophageal perforation following transesophageal echocardiography. Poster presentation at: American College of Gastroenterology Annual Meeting; Las Vegas, NV. October 2021.
- 59. Sharma R. A rolling stone: a rare case of severe acute pancreatitis caused by obstructive suppurative pancreatic ductitis. Winner of Outstanding Poster Presenter. Poster presentation at: American College of Gastroenterology Annual Meeting; Las Vegas, NV. October 2021.
- 60. Rathore A. 76 consecutive cases of robotic-assisted navigational bronchoscopy at a single center. Poster presentation at: Duval County Medical Society Annual Meeting; Jacksonville, FL. October 2021.

**HONORS AND AWARDS**

Abhinav Karan, MD	Intern of the Year
Jorge Verdecia, MD	Fellow of the Year
Win Aung, MD	Teacher of the Year
Nikita Patel, DO	Best Conference Attendance & Procedure Completion Award
Samuel Foldy, DO	ACP Resident of the Year
Aleem Ali, MD	Senior Resident of the Year, Malcolm T. Foster, Jr., MD Scholarship, & Ann Harwood-Nuss Resident Advocate Awards
Carly Rabinowitz, MD	Rosilie O. Saffos Outstanding Resident Teacher Award

Elisa Sottile, MD was the winner of the Kenneth Kellner, M.D., Ph.D. Outstanding Clerkship Director Award.

Spencer Streit, DO was a nominee for the resident UF College of Medicine Excellence in Student Education Awards.

Carly Rabinowitz, MD was one of the recipients of the resident UF College of Medicine Exemplary Teachers Award.

Dominick Angiolillo, MD; Win Aung, MD; John Catanzaro, MD; Dave Cury, MD; Linda Edwards, MD; Khadija Esmail, MD; Gunjan Gandhi, MD; Peter Ghali, MD; Bharatsinh Gharia, MD; Maria Gutierrez, MD; Jeff House, DO; Carmen Isache, MD; Rafik Jacobs, MD; Vishal Jaikaransingh, MD; Mariam Louis, MD; Ravindra Maharaj, MD; Ronald Mars, MD; Ghania Masri, MD; Carlos Palacio, MD; Walter Quan Jr., MD; Malleswari Ravi, MD; Pramod Reddy, MD; Bruno Ribeiro, MD; Michael Sands, MD; Srinivasan Sattiraju, MD; James Scolapio, MD; Ron Schey, MD; Vandana Seeram, MD; Elisa Sottile, MD; Siva Suryadevara, MD, Myint Thway, MD; and Martin Zenni, MD are recipients of the faculty UF College of Medicine Exemplary Teachers Award.

**ENDOWMENTS AND GIFTS**

The Anne and Max Michael, Jr. Education Fund, Established 2006, by Mrs. Anne Michael

**CLASS OF 2022 DESTINATIONS**

<u>Chief Medical Residents</u>	<u>Professional Status</u>	<u>Location</u>
Madeline Fasen, DO	Endocrinology Fellowship	University of Colorado, Denver
Christopher Izzo, DO	Pulmonary/Critical Care Fellowship	University of Florida Jacksonville
<u>Preliminary Residents</u>	<u>Professional Status</u>	<u>Location</u>

- Kristi Anderson, DO
- Mazieyar Azad, MD
- Sharif Hussein, MD
- Nicholas Schuck, MD
- Kimberly Seamon, MD
- Ajay Sethi, MD

Categorical Residents

- Aleem Ali, MD
- Joshua Calvert, MD
- Nisha Chowdhury, MD
- Pooja Dhruva, MD
- Samuel Foldy, DO
- Fadi Kandah, DO
- Naji Maaliki, MD
- Sebastian Mikulic, DO
- Kintin Ng, DO
- Nikita Patel, DO
- Carly Rabinowitz, MD
- Amy Roemer, DO
- Spencer Streit, DO
- Eby Thekkedath, DO

- Neurology Residency
- Neurology Residency
- Internal Medicine Residency
- Neurology Residency
- Ophthalmology Residency
- Neurology Residency

Professional Status

- Gastroenterology Fellowship
- Baptist Hospital Medicine
- Baptist Hospital Medicine
- Cardiology Fellowship
- Baptist Hospital Medicine
- Cardiology Fellowship
- Cardiology Fellowship
- Chief Medical Resident
- Pulmonary/Critical Care Fellowship
- Baptist Hospital Medicine
- Group Practice
- Baptist Hospital Medicine
- Chief Medical Resident
- Pulmonary/Critical Care Fellowship

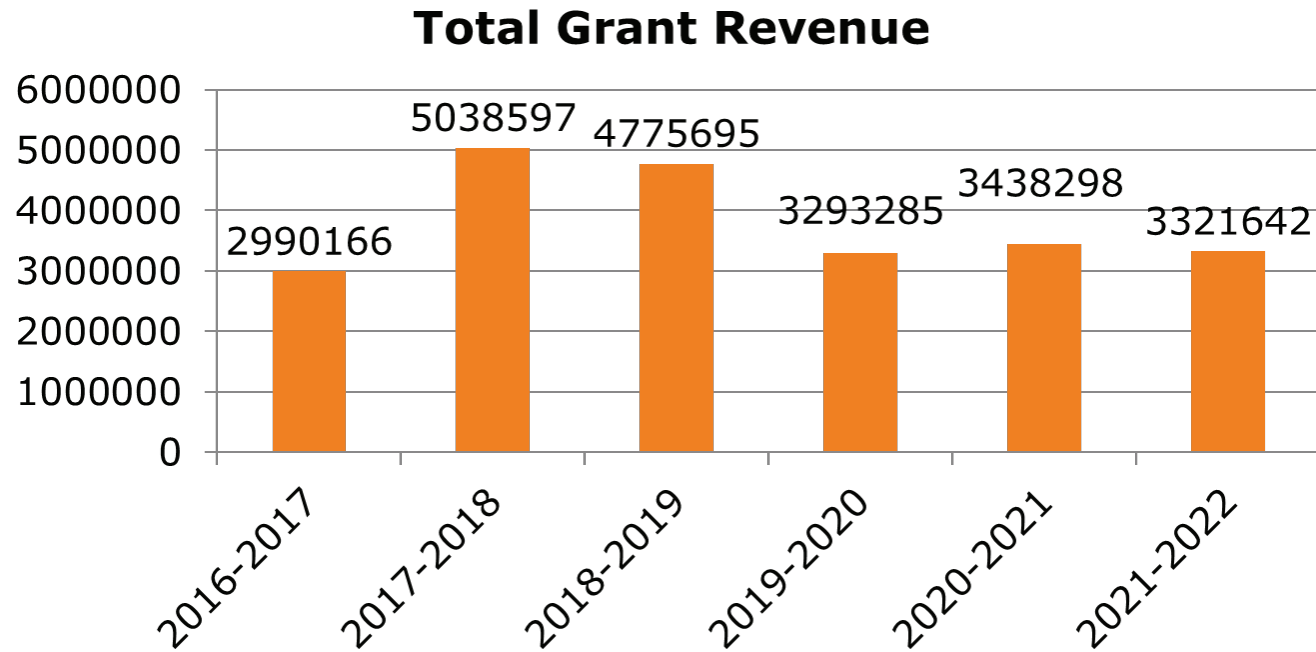
- University of Florida Jacksonville
- University of Florida Jacksonville
- University of Florida Jacksonville
- University of Florida Jacksonville
- University of Florida Jacksonville
- University of Florida Jacksonville

Location

- University of Florida Jacksonville
- Jacksonville, FL
- Jacksonville, FL
- University of Hawaii, Honolulu
- Fleming Island, FL
- University of Florida Jacksonville
- University of Florida Jacksonville
- University of Florida Jacksonville
- Largo Medical Center, Largo, FL
- Jacksonville, FL
- Tampa, FL
- Fleming Island, FL
- University of Florida Jacksonville
- Lenox Hill Hospital, New York, NY

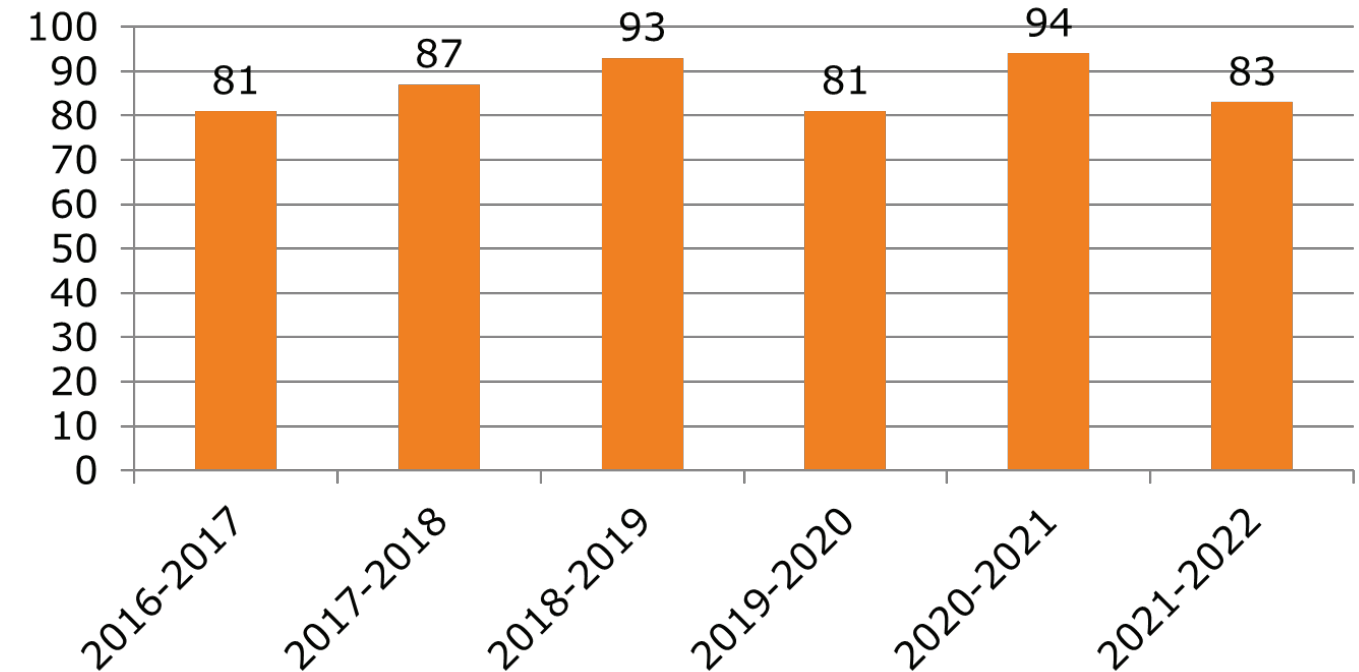
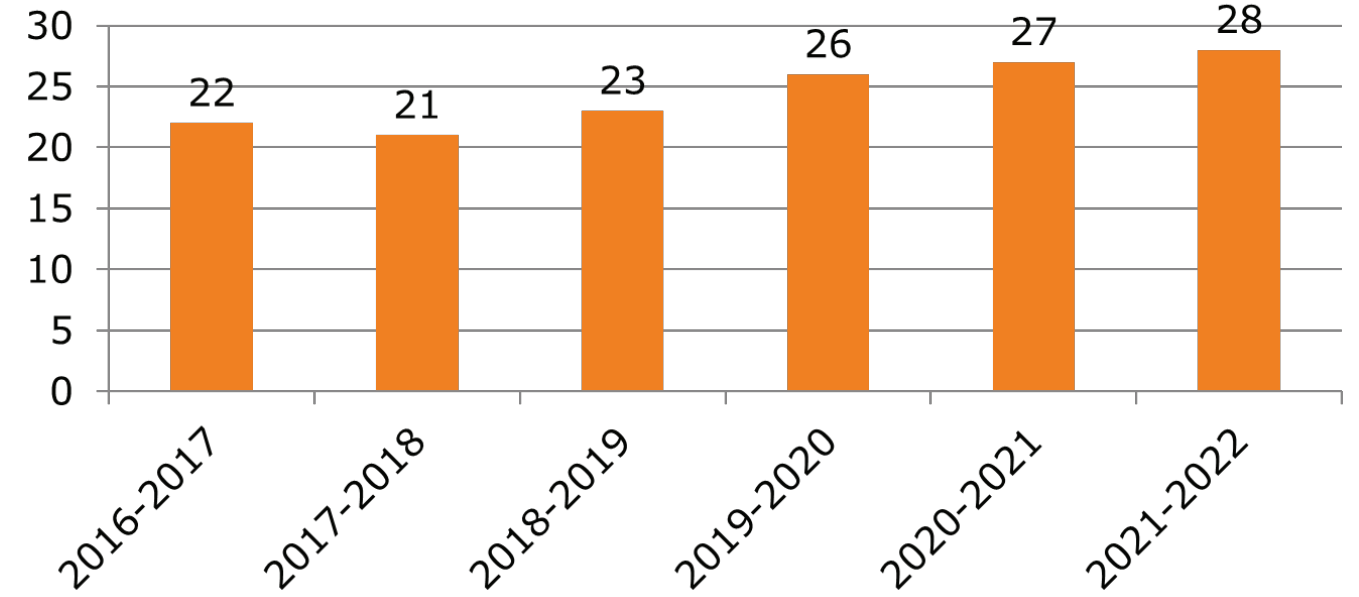
**DEPARTMENT RESEARCH**  
ACADEMIC YEAR 2021 (7/21 - 6/22)

The faculty in the Department of Medicine continue to obtain research awards and train future investigators; an important aspect of the University of Florida College of Medicine-Jacksonville’s mission. Trends in external funding for fiscal year 2021-2022 and four prior years are shown in **Figure 1**.



External funding from federal, state, industry, foundation and other sources decreased 3% this fiscal year compared to last. There was an increase in the number of funded investigators, from 27 investigators last fiscal year to 28 investigators this fiscal year (**Figure 2**). Unfortunately, there was a decrease in the number of funded projects; from 94 last year to 83 this fiscal year (**Figure 3**).

**# Funded Investigators**



Several faculty members in the Department of Medicine have basic/translational science projects in the Medical Research Building. **Mehdi Mirsaiedi, M.D., M.P.H.**, (Pulmonary, Critical Care and Sleep Medicine) is participating in prospective clinical trials in critical care medicine and in the area of reducing medical error and optimizing end-of-life decisions. A major aspect of his basic science research is the development of specific lytic bacteriophages for the treating lung infections. **Michael Haas, Ph.D.**, (Endocrinology) is investigating molecular mechanisms that regulate expression of genes involved in cholesterol transport and the integrated stress response in human coronary artery endothelial cells. **Kent Wehmeier, M.D.**, (Endocrinology), now retired, investigated the effects of nicotine on cellular stress in

smokers and in human coronary endothelial cells and studied the effects of magnetic fields on osteoblast differentiation. **Charles Heilig, M.D.**, (Nephrology and Hypertension) is examining the effect of mechano-growth factor on glucose transporter 1 expression in kidney mesangial cells as well as examining the role of glucose transporters in liver cancer.

Residents and sub-specialty fellows in the Department of Medicine are assigned a mentor and participate in basic, translational, quality improvement research, epidemiological, or clinical research. At the Celebration of Resident and Fellow Education and Research Awards, **Dr. Jose Rivas Rios** was a poster winner and **Dr. Aleem Azal Ali** received the Ann Harwood-Nuss Resident Advocate Award. **Dr. Carly Anne Rabinowitz** received the Rosilie O. Saffos Outstanding Resident Teacher Award.

**DIVISION OF CARDIOLOGY**  
**ACADEMIC YEAR 2021 (7/21 - 6/22)**

### Highlights

- Expansion of clinical faculty (n=5), including new Section head of EP, 1 EP, 1 non-invasive, 1 interventional cardiologist, and Chief of CT surgery.
- Recruitment efforts for 2 additional non-invasive cardiologist and second CT surgeon
- Collaborative efforts between Cardiovascular Imaging Program and Anesthesia allowing to further expand transesophageal (TEE) program resulting in an overall increase in TEE volume; such expansion has been of benefit for cardiovascular fellowship program
- Expanded outpatient 2D-echo facility (i.e., addition of room downtown and UF North) leading to increase in volume
- Expanded outpatient Vascular Imaging lab providing carotid ultrasound and vascular imaging/mapping (arterial and venous) of lower extremities with plan to expand activities at UF North
- Expansion of Cardiac Rehab program with new facility planned for opening in June 2021; rehab program have expanded to include heart failure and peripheral vascular disease patients, in addition to coronary artery disease patients.
- Further expansion of APP program at Downtown, UF North and St. Mary's outpatient practices
- Started discussions for expansion of non-invasive imaging program at Kernan in collaboration with Radiology
- Started discussions for expansion of outpatient clinic visits at Fernandina primary care office
- Started pilot scribe program to evaluate increase in outpatient clinic metrics (volume and level of service)
- Started new Cardiology Ground Round series
- Developed an Education Committee
- Developed a Fellowship Review Committee
- Developed a Clinical Assistant Program

**Education:** The fellowship programs remain competitive. We had a very successful match filling all 6 positions with top tier candidates in our general fellowship program and clinical cardiac electrophysiology.

*Scholarly Activity:* Our fellows had an exceptional year for scholarly activities acceptance into major regional and international venues. Several projects have been accepted to venues such as; The Society of interventional Cardiology, The Heart Failure Society, The American Heart Association and The European Society of Cardiology among others. This past March, fourteen presentation from our general cardiovascular fellowship were accepted for presentation at the American College of Cardiology National meeting alone. These projects have been presented virtually given COVID 19 restrictions, while more recently, some were presented in person.

Our fellows actively participate in research projects and quality improvement initiatives, which have been showcased on national platforms as well.

#### *Subspecialty training and work placement:*

Our graduates who seek further sub specialization continue to successfully match and pursue advanced training into highly competitive subspecialty programs nationwide.

Our post doc/OPS research fellowship has expanded and are integrated with the clinical and translations aspects of the Cardiovascular Research program and partake in other educational activities within the Division of Cardiology.

Our graduates who seek to enter the clinical work force continue to secure employment in very competitive practices.

*Board Examination Performance*

While this past year our cumulative 3-year board pass rate dropped to 88% (90% mean) due to external circumstances affecting two of our trainees, our fellows performed above average in the In-training Board Examination.

We continue to provide a robust platform for learning and academic discussion.

Most of our didactic and academic exchanges changed to virtual or hybrid (virtual and in person) platforms in view of the COVID19 pandemic.

- Monday Morning Report – A case discussion format and mandatory meeting for all fellows to discuss important, challenging cases that present to CCU and/or consult service over the weekend or preceding week.
- Updated core curriculum lectures (weekly) on every cardiology discipline. Content and format is reviewed twice yearly by Education Committee
- Goals and objectives for every clinical and nonclinical rotation by program year level reviewed yearly by Education Committee.
- Active Cardiology Journal Club q 6 – 8 weeks
- Ongoing participation on Wellness/Well-Being initiatives for all faculty and fellows.
- Guest lecture faculty participating in our weekly didactic conference sessions
- Hemodynamic simulation programs
- Transthoracic and Trans esophageal Echo simulation program via CESAr sim lab for first year fellows
- General Cardiology fellows develop quality assessment and improvement protocols and present them at research conferences and research day.
- General Cardiology and Clinical Cardiac Electrophysiology fellows participate in a variety of research opportunities in the division and present their work at research conferences and research day
- General fellows continue to actively participate in EKG, Echo, EP, Valvular and Cath conferences

The following initiatives have taken place this past year and are resulting in positive results:

- General fellows participation in community engagement – COVID 19 pandemic vaccination efforts to decrease vaccination hesitancy within our institution and in partnership with Florida Blue in disadvantaged ethnic minority communities
- Update of educational materials for fellowship program, including general cardiology, echocardiography, and nuclear cardiology board review material
- Updated curriculum to include lectures on bias, discrimination, diversity and inclusion in partnership with the community engagement and diversity office and IDEA
- Modernization of schedule flow in high clinical demand areas (i.e., non-invasive laboratories)
- Simulation for leadless pacemakers and subcutaneous implantable cardiac defibrillators
- Left ventricular support and hemodynamic simulation programs, in addition other simulation programs for TEE
- General Cardiology fellows continue to develop quality assessment and improvement protocols and present them at research conferences
- General Cardiology fellows participate in a variety of research opportunities in the division
- Cardiology Grand Round series with invited internal, national and or international experts
- Opportunities to obtain CME credit through Cardiology Grand Rounds and Cath Conferences
- Advanced imaging rotation (Cardiac CT and MR) at UF Health –Jacksonville – Dept. of Radiology
- Promoted Quality improvement course (yellow Belt Certification)
- Updated core curriculum lectures on every cardiology discipline reviewed twice yearly by Didactic Curriculum Committee
- Expanded Guest lectures in specific therapeutic areas
  - Pulmonary series with Dr. Seeram (UF – Jax)

- Advance imaging series with Dr. Gopireddy (UF- Jax)

**Research:** Our faculty continues to excel in research, scholarly production and participation in national and international scientific sessions. We have approximately 50 ongoing studies, which range from basic/translational research to large scale clinical trials in various areas of cardiovascular disease. These include investigator initiated as well as sponsored studies. We have published approximately 80 peer-reviewed manuscripts, several book chapter, numerous abstracts and presentations at local, national and international meetings. We currently hold leadership positions in most major cardiovascular societies and editorial positions in many major cardiovascular journals. We continue to receive consistently increasing extramural funding, from private and federal sources. Our research staff has also expanded with the addition of research OPS who assist with our research activities at our cardiovascular research building which hosts a state-of the art thrombosis research laboratory, patient waiting area, clinical visit rooms, and offices for research staff.

**LISTING OF FACULTY MEMBERS****Dominick Angiolillo, M.D. Ph.D., Professor**

Medical School  
Professional Education – Ph.D.  
Internship/residency  
Subspecialty training

The Catholic University of the Sacred Heart Medical School, Italy  
The Catholic University of the Sacred Heart Medical School, Italy  
The Catholic University of the Sacred Heart Medical School, Italy  
San Carlos University Hospital, Madrid Spain

**Theodore Bass, M.D., Professor and Division Chief**

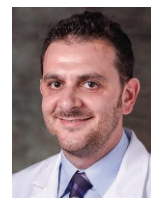
Medical School  
Internship/residency  
Subspecialty training

Brown University  
Mayo Clinic  
Boston University

**John Catanzaro, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training  
Subspecialty training

State University of New York  
North Shore University Hospital  
North Shore University Hospital  
The John Hopkins Hospital – Cardiac Electrophysiology

**Francesco Franchi, M.D., Assistant Professor**

Medical School  
Subspecialty training

University of Modena and Reggio Emilia, Modena, Italy  
School of Cardiology, University of Modena and Reggio Emilia,  
Modena, Italy

**Alan Miller, M.D., Professor**

Medical School  
Internship/residency  
Internship/residency  
Subspecialty training and year

University of Pittsburgh  
Mount Sinai  
George Washington University  
Cleveland Metropolitan Hospital

**Robert Percy, M.D., Associate Professor**

Medical School University of Mississippi  
 Internship/residency University of Mississippi  
 Subspecialty training Jacksonville Health Education Programs  
 Subspecialty training Mass General Hospital – Cardiac Rehabilitation  
 Subspecialty training Joslin Clinic – Diabetes

**Andres Pineda Maldonado, M.D., Assistant Professor**

Medical School Pontificia Universidad Javeriana, Bogota Colombia  
 Internship/residency Mount Sinai Medical Center, Miami, FL  
 Subspecialty training Mount Sinai Medical Center, Miami, FL  
 Subspecialty training Mount Sinai Medical Center, Miami, FL–Interventional Cardiology  
 Subspecialty training Duke University Hospital – Structural Heart Disease Interventions

**Fabiana Rollini, M.D., Assistant Professor**

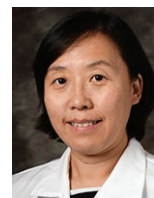
Medical School University of Modena and Reggio Emilia, Modena, Italy  
 Subspecialty training School of Cardiology, University of Modena and Reggio Emilia, Modena, Italy

**Srinivasan Sattiraju, M.D., Assistant Professor**

Medical School Adichunchanagri Institute of Medical Sciences, Karnataka, India  
 Internship/residency University of Medicine and Dentistry of New Jersey  
 Subspecialty training University of Minnesota Medical School,

**Daniel Soffer, M.D., Associate Professor**

Medical School Ben Gurion University, Israel  
 Internship/residency Lenox Hill Hospital  
 Subspecialty training Lenox Hill Hospital – Cardiovascular Disease  
 Subspecialty training William Beaumont Hospital – Interventional Cardiology

**Jialin Su, M.D., Ph.D., Assistant Professor**

Medical School Peking Union Medical College/Tsinghua University, Beijing, China  
 Professional Education – Ph.D. Peking Union Medical College/Tsinghua University, Beijing, China  
 Internship/residency North Shore-Long Island Jewish Health System  
 Subspecialty training Rhode Island Hospital/Brown University  
 Subspecialty training Beth Israel Deaconess Medical Center - Electrophysiology

**Siva Suryadevara, M.D., Assistant Professor**

Medical School University of the West Indies  
 Internship/residency University of Florida College of Medicine-Jacksonville  
 Subspecialty training University of Florida College of Medicine-Jacksonville

**Gladys Velarde, M.D., Associate Professor**

Medical School New York University School of Medicine  
 Internship/residency Columbia Presbyterian Medical Center  
 Subspecialty training Boston University/Mount Sinai Hospital

**Martin Zenni, M.D., Associate Professor**

Medical School University of Chicago  
 Internship/residency Tufts University  
 Subspecialty training Harvard Medical School

**PUBLICATIONS**

**Angiolillo DJ**, Galli M, Collet JP, Kastrati A, O'Donoghue ML. Antiplatelet therapy after percutaneous coronary intervention. *EuroIntervention*. 2022 Apr 1;17(17):e1371-e1396. doi: 10.4244/EIJ-D-21-00904. PMID: 35354550.

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Xiang K, Morales J, Becoats K, Mikulik S, **Catanzaro JN** Implementing Quality Improvement with Fellow-In-Training SuperUsers: Preventing Preventable Strokes Initiative *Circulation* Nov 2021;144:A6907

**CLINICAL ACTIVITIES**

Outpatient Activity	FY 22
Physician clinic visits	25,297
Echo	15,125
Stress tests	4162
Cath Lab Procedures	2401
EP Lab Procedures	693
Monitoring	2957
Cardiac rehab visits	3267
Structural (Mitraclip, Watchman, TAVR)	105
EKG	74,689

**CONTRACTS AND GRANTS**

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Angiolillo, D	Impact of the PCSK9 inhibitor evolocumab on the pharmacodynamics effects of clopidogrel in patients with atherosclerotic	2017-2021	Amgen	\$543,126
Angiolillo, D	Switching from standard of care dual antiplatelet treatment (DAPT) regimens with aspirin plus a P2Y12 inhibitor to dual pathway inhibition (DPI) with low-dose rivaroxaban in adjunct to aspirin in patients with coronary artery disease: The Switching Anti-Platelet and Anti-Coagulant Therapy (SWAP-AC)	2019-2022	Janssen	\$335,367.57
Angiolillo, D	Impact of DNA methylation in candidate genes on reduced CYP2C19 metabolic activity and increased P2Y12 activity in coronary artery disease patients with type 2 diabetes mellitus patients and impaired renal function	2020-2021	Scott R Mackenzie Foundation	\$250,000

**DIVISION OF ENDOCRINOLOGY, DIABETES AND METABOLISM**  
ACADEMIC YEAR 2022 (7/21 - 6/22)

**Highlights**

The Division of Endocrinology, Diabetes and Metabolism had a year of sustained change and development in all areas of the academic mission of the University of Florida. Clinically, major events included expansion of clinical services geographically and provision to a broader audience including the growth of virtual visits as a way to provide care to patients during the COVID-19 crisis. Academically, the Division submitted multiple manuscripts, delivered multiple scholarly presentations and contributed to the university's educational mission.

**Patient care:** The Division provided inpatient and outpatient consultation on site and virtually at the University of Florida College of Medicine-Jacksonville campuses, Emerson Medical Plaza, and UF North campus to faculty of the university and referring physicians in the northeast Florida/southern Georgia region and beyond. The core clinical faculty of the Division include Dr. Joe Chehade, Dr. Marilu Jurado, Dr. Gunjan Gandhi, Dr. Arshag Mooradian and Dr. Kent Wehmeier. During this academic year Melody Beers, ARNP, was added to care for these patients. The Division addressed clinical endocrinology issues related to hypothalamus, pituitary, thyroid, pancreas, adrenal and sex hormone gland dysfunction as well as gender identity. Patients with metabolic disorders including diabetes mellitus, polycystic ovary syndrome, obesity, anorexia, hypercholesterolemia, calcium and metabolic bone diseases such as osteoporosis and vitamin D deficiency were evaluated and treated. The Division's clinical operations occurred at UF Endocrinology and Diabetes at Emerson Medical Plaza, UF Health - Jacksonville Ambulatory Care Center (ACC) and at the UF Health North Hospital and Clinic. Our providers performed analyses of the glucose monitoring data, obtained by continuous glucose monitoring to make recommendations regarding diabetes management. Institution of point-of-care HbA1c testing expedited decisions in diabetes management at all sites. Diabetes care has matured with the partnering of outpatient diabetes medical nutrition therapy with the Division of Endocrinology. Kristina Worthington, MSH, RD/N, CSSD, LD/N provides onsite education at the UF Emerson and UF North clinics for diabetes management, carbohydrate counting and medical nutrition therapy (MNT). Ms. Worthington also brings to the Division expertise in high performance dietetics and other areas of nutrition counseling including measurement of basal metabolic rate and onsite facilitated nutrition prescriptions for patients. Dr. Chehade and Dr. Jurado utilized ultrasound for diagnosis and ultrasound guidance for the evaluation of patients with thyroid nodules, parathyroid neoplasia, lymph nodes, and thyroid cancer.

A unique collaboration with the UF College of Medicine-Jacksonville's Department of Oral Maxillofacial Surgery, Surgery, Radiology, Nuclear Medicine and Pathology has enhanced the care of patients with thyroid and parathyroid disease. Through the discussion and implementation of diagnostic and treatment protocols, the care of these patients has been standardized to better evaluate outcomes and focus on patients with more challenging management issues.

The care of patients with pituitary or sellar tumors was also advanced through the collaboration of the departments of neurosurgery, radiology, radiation therapy, pathology and otolaryngology. During weekly conferences, challenging cases were presented to the group to provide unique diagnostic and treatment approaches for individuals with rare neoplasms and unique presentations.

On the inpatient service, more patients were served by endocrinology consultation. The Division also provided evaluation and management in the areas of diabetes, thyroid disease, electrolyte disorders, adrenal insufficiency and patients with pituitary issues at UF Health Jacksonville and UF Health North to facilitate optimal care of patients with these conditions. Leading the charge for better inpatient diabetes care, the Division's own Dr. Gandhi chaired the Diabetes Steering Committee. This multidisciplinary body of physicians, nurses, pharmacists, dieticians and performance improvement specialists comes together to

discuss common issues in glucose control at UF Health Jacksonville. Strategies to improve outcomes are discussed and implemented.

**Education:** The Endocrinology fellowship continues to maintain its ACGME accreditation, under the direction of Program Director, Dr. Gunjan Gandhi and Dr. Kent Wehmeier as Associate Program Director. Drs. Jennifer Batch and Lauren Graham joined the Division in July 2021. Dr. Ailyn Rivero and Dr. Firas Warda have been exceptional and productive additions to the Division and completed their fellowships June 30, 2022. All four fellows have made substantive contributions to the clinical care, education and research mission of the Division. In resident physician education, Dr. Wehmeier continued as rotation coordinator of relevant educational programs for Endocrinology. He is the primary liaison between the Core Residency Program and the Division, and is a member of the Resident Education Committee. The faculty members and fellows participate in teaching rounds in the clinic and in conferences to enhance the experience of the rotating residents. Dr. Gandhi has been a Steering Panel member for the Endocrine Society in preparing In-Training Exams for endocrine fellows.

In the educational program of the University of Florida, Dr. Chehade, Dr. Gandhi, Dr. Haas, Dr. Mooradian, Dr. Jurado, and Dr. Wehmeier precept trainees at UF clinics in Endocrinology and coordinate lectures for the University of Florida medical students and residents in medicine. The Division of Endocrinology Grand Rounds provides an avenue for speakers at UF Jacksonville and Gainesville to share knowledge and enhance collaboration between various disciplines at UF. Multiple faculty members were chosen to receive the 2022 University of Florida-College of Medicine's Exemplary Teachers Award.

**Research:** Strides have been made in making clinical research more attractive to industry and to potential subjects. Under the guidance of Division members, the awards and numbers of subjects have continued to grow. Additional research staff has been added to grow the Division's efforts. The research has involved the use of devices to control diabetic neuropathy, disorders of hypogonadism, surveillance of thyroid cancer and metabolic bone disease. Dr. Joe Chehade is also spearheading a clinical trial in the new Jacksonville Aging Studies Center (JAX-ASCENT). This site will serve as a hub for aging research in the Northeast Florida/Southeast Georgia area. The basic science research lab, under the direction of Dr. Michael Haas, continues to be a place of learning and scholarly activity. Investigations regarding the effects of multiple hormones on the expression of the most important protein in the high-density lipoprotein (HDL) particle, apolipoprotein AI, and the involvement of endoplasmic reticulum (ER) stress and oxidative stress in coronary artery disease continue to reveal critical insights.

**Service:** Leading the charge for better inpatient diabetes care, the Division's Dr. Gandhi chairs the Diabetes Steering Committee. This multidisciplinary body comes together to discuss common issues in glucose control. Strategies to improve outcomes are discussed and implemented. Dr. Chehade served in the patient satisfaction committee on the ambulatory side. Dr. Gandhi serves on the institution's Pharmacy and Therapeutics Committee.

**Philanthropy:** The Division members have been the recipients of many gifts. In the spirit of giving back, the members have contributed their time, effort and resources to the underserved and to children in Jacksonville, as well as overseas.

### LISTING OF FACULTY MEMBERS



**Joe Chehade, M.D., Professor**  
Medical School  
Internship/residency  
Subspecialty training

St. Joseph University School of Medicine, Beirut-Lebanon  
Staten Island University Hospital  
Saint Louis University School of Medicine



**Gunjan Gandhi, M.D., MSc, Associate Professor**

Medical School  
Internship/residency  
Subspecialty training  
Post-Graduate Training

Maharaja Sayajirao University, Baroda India  
University of Illinois College of Medicine  
Mayo Clinic, Rochester  
Mayo Clinic, Rochester – Masters in Biomedical Research



**Michael Haas, Ph.D., Research Associate Professor**

Graduate School  
Post-Graduate Training

University of Nebraska Medical Center  
McArdle Laboratory for Cancer Research



**Marilu M. Jurado Flores, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

Catholic University of Santiago De Guayaquil, Guayas Ecuador  
University of Miami Hospital and Clinics  
University of Florida College of Medicine-Jacksonville



**Arshag D. Mooradian, M.D., Professor and Chair, Department of Medicine**

Medical School  
Internship/residency  
Subspecialty training

American University of Beirut  
American University of Beirut  
University of Minnesota



**Kent Wehmeier, M.D., Professor and Division Chief**

Medical School  
Internship/residency  
Subspecialty training

University of Missouri-Columbia  
Barnes-Jewish Hospital, Washington University  
Saint Louis University School of Medicine

### PUBLICATIONS

**Haas MJ, Warda F, Bikkina P, Landicho MA, Onstead-Haas L, Kalidas P, Parekh S, Mooradian AD.** Differential effects of cyclooxygenase-2 (COX-2) inhibitors on endoplasmic reticulum (ER) stress in human coronary artery endothelial cells. *Vascular Pharmacology*. 2022; 142:106948.

**Haas MJ, Parekh S, Kalidas P, Richter A, Warda F, Wong NCW, Tokuda M, Mooradian AD.** Insulin mimetic effect of D-allulose on apolipoprotein A-I gene. *J. Food Biochem*. 2022; 46(2): e14064.

**Jurado Flores M, Warda F, Mooradian A.** Pathophysiology and clinical features of neuropsychiatric manifestations of thyroid disease. *J. Endocrine Society*. 2022; 6(2):bvab194.

**Gandhi GY, Mooradian AD.** Management of Hyperglycemia in Older Adults with Type 2 Diabetes. *Drugs and Aging* 2022 Jan; 39(1):39-58. doi: 10.1007/s40266-021-00910-1. Epub 2021 Dec 18

**Gandhi GY, Mooradian AD.** Clinical Considerations for Insulin Therapy in Older Adults with Type 1 Diabetes. *Drugs and Aging* 2022 Jan; 39(1):23-37. doi: 10.1007/s40266-021-00900-3. Epub 2021 Oct 19

Kapadia P, Bikkina P, Landicho AM, Parekh S, **Haas MJ, Mooradian AD**. Effect of antihyperglycemic drugs on endoplasmic reticulum (ER) stress in human coronary artery endothelial cells. *Eu. J. Pharmacol.* 2021 Sep 15; 907:174249.

**Mooradian AD, Haas MJ**. Reduced cellular glucose transport confers natural protection against dextrose-induced superoxide generation and endoplasmic reticulum stress in domestic hen. *Physiol Rep.* 2021; 9:e14816. <https://doi.org/10.14814/phy2.14816>

Rivero A, Fasen M, **Gandhi GY**. Acute, Rapid-onset, Severe and Protracted Denosumab-Induced Hypocalcemia in a Patient with Intact Kidney Function, Skeletal Metastasis and High Bone Turnover. *Endocrine Practice*, Volume 27, Issue 6, Supplement, Page S104. 2021. <https://doi.org/10.1016/j.eprac.2021.04.689>

Richter A, **Gandhi GY**. Rapidly Enlarging Neck Mass Progressing to Acute Respiratory Failure and Death: A Case of Anaplastic Thyroid Carcinoma. *Endocrine Practice*. Volume 27, Issue 6, Supplement, Pages S146. 2021. <https://doi.org/10.1016/j.eprac.2021.04.777>

Fung R, Fasen M, Kapadia P, Richter A, Warda F, **Gandhi GY**. Meeting the Needs of the Internal Medicine trainee during their Endocrinology Subspecialty Rotation: Development and Implementation of a Structured Curriculum. *Endocrine Practice*. Volume 27, Issue 6, Supplement, Pages S191-192. 2021. <https://doi.org/10.1016/j.eprac.2021.04.872>

### CLINICAL ACTIVITIES

	AY 21/22
<b>Inpatient Activity</b>	
Initial Inpatient Encounters	700
<b>Outpatient Activity</b>	
Clinic Visits	9636
Thyroid Biopsies	234

### GRANTS AND CONTRACTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Mooradian, A	Pragmatic Evaluation of eVENTs And Benefits of Lipid-lowering in older adults (PREVENTABLE)	5/2020 – 6/2025	NIH	
Mooradian, A (Co-Investigator)	The University of Florida Jacksonville Aging Studies Center (JAX-ASCENT)	9/15/2017 – 5/31/2022	NIH	\$3,696,891
Chegade, C	A Phase III, Double-blind, Randomized, Placebo-Controlled, Multi-center Study To Assess The Safety and Efficacy of VM202 in Subjects with Painful Diabetic Peripheral Neuropathy	11/2016 -12/2019	Viromed	\$178,696
Chegade, C	Testosterone Replacement therapy for Assessment of long-term Vascular Events and efficacy ResponSE in hypogonadal men (TRAVERSE) Study	08/2018 - 08/2023	AbbVie	\$484,455.00
Chegade, C	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Demonstrate the Effects of Sotagliflozin on Cardiovascular and Renal Events in Patients with Type 2 Diabetes, Cardiovascular Risk Factors and Moderately Impaired Renal Function	04/2018 - 04/2022	Sanofi	\$44,558.14

### DIVISION OF GASTROENTEROLOGY ACADEMIC YEAR 2022 (7/21 – 6/22)

### Highlights

Gastroenterology Division has built an inter-disciplinary team of faculty, advanced practitioners and nurses. Our faculty members were Dr. James Scolapio, Dr. Ron Schey, Dr. Bruno Ribeiro, Dr. Neha Agrawal, Dr. Robert Bass, Dr. Paul Sievert, Dr. Peter Ghali, Dr. Lauren Stemboroski, Dr. Alex Al Houry and Dr. Yusuke Hashimoto. The allied health professionals included, Rhonda Broughton, Mei Lyn Lamar, Angela Massey, as well as our nurse William Ecker. Our Division continued to respond well to ever changing and challenging clinical environments. Working closely with our surgical colleagues, we continue to have one of the premier upper GI tract disease centers in the state. Our endoscopic ultrasound activity continues to lead the way with diagnostic tools such as EndoFLIP and DigiTrapper, which have made us a referral destination for a wide catchment area. Our hepatology program now has regular transplant clinics in close conjunction with the team in Gainesville. Several patients have now been successfully transplanted and their care integrated between the two sites. Our Fellowship program remains strong and is academically productive. We would like to thank every team member for going the extra mile to take care of our patients and each other.

**Patient care:** The patient care aspect of our academic mission is pursued at the following locations: UF Health North with general GI clinics and endoscopy, Emerson campus, where we provide general gastroenterology, inflammatory bowel disease, and hepatology services, Towers clinic with general gastroenterology and hepatology clinics, UF Beaches with general gastroenterology clinic. Endoscopy is performed at three clinical sites: UF Health Downtown, UF Health North, and Jacksonville Beach Surgery Center. Inpatient consult services are provided at UF Health Downtown as well as UF Health North. Our mission is to have timely patient access to top quality patient care with specific attention to reduced patient wait times and increased access to high-quality gastroenterology and hepatology services in any of our locations.

**Education:** Dr. Ghali, as the Program Director of our fellowship-training program, has maintained a high quality of trainees' satisfaction based on the 2021-2022 ACGME survey. Dr. Lauren Stemboroski has now accepted the role of Associate Program Director and her impact has been immediate and overwhelmingly positive. The overall evaluation of the program was rated at 80%, and the gastroenterology faculty that participated in the ACGME survey gave the program an overall, 86%, both just above the national mean. Our fellows' board pass rate has consistently been 100% for fellows that have taken the exam. Our priority remains recruiting gastroenterology fellows with a proven track record of clinical research as well as commitment to superb patient care, interpersonal skills and professionalism. Our fellowship complement has increased to three per year. We continue to be very active at the Jacksonville Gut Club quarterly meetings. This educational venue is very important to our division's presence in the community. We have reacted to the COVID-19 pandemic. We discussed the challenges with each other, with our fellows, and with our staff, and we are all involved in improving the processes to promote physician well-being.

**Research:** All faculty members have been productive in scholarly activities over the past academic year. The Division produced four peer-reviewed published manuscripts, six abstracts and one oral presentation. The GI faculty have given multiple presentations at local, regional, national, and international meetings. The Division now has eight funded research protocols and was able to generate over \$900,000 in grants last year.

## LISTING OF FACULTY MEMBERS

**Neha Agrawal, M.D., Assistant Professor**

Medical School Motilal Nehru Medical College, Allahabad University, Allahabad, India  
 Internship/residency John H. Stroger, Jr., Hospital, Chicago, IL  
 Internship/residency University of Illinois College of Medicine, Urbana, IL  
 Subspecialty training Temple University Hospital, Philadelphia, PA

**Alex Al Khoury, M.D., Assistant Professor**

Medical School McGill University, Montreal, Canada  
 Internship/residency McGill University, Montreal, Canada  
 Subspecialty training McGill University, Montreal, Canada  
 Subspecialty training University of Miami Hospital and Clinics, Miami, FL

**Robert Bass, M.D., Assistant Professor**

Medical School Medical College of Georgia, Augusta, GA  
 Internship/residency University of South Alabama, Mobile, AL  
 Subspecialty training University of Florida Health Science Center, Jacksonville, FL

**Peter Ghali, M.D., Professor and Division Chief, Gastroenterology**

Medical School McGill University, Montreal, Canada  
 Internship/residency McGill University, Montreal, Canada  
 Subspecialty training McGill University, Montreal, Canada  
 Subspecialty training Mayo Graduate School of Medicine, Rochester, MN

**Yusuke Hashimoto, M.D., Associate Professor**

Medical School Tokushima University, Shinkuracho, Tokushima, Japan  
 Internship/residency Asahi General Hospital, Chiba, Japan  
 Subspecialty training Showa University Fujigaoka Hospital, Kanagawa, Japan  
 Subspecialty training California Pacific Medical Center, San Francisco, CA

**Bruno de Souza Ribeiro, M.D., Assistant Professor**

Medical School Santa Casa de Sao Paulo, Brazil  
 Internship/residency Federal University of Sao Paulo, Brazil  
 Subspecialty training Sirio Libanes Hospital, Sao Paulo, Brazil  
 Subspecialty training California Pacific Medical Center, San Francisco, CA

**Ron Schey, M.D., Professor**

Medical School Sackler School of Medicine, Tel-Aviv University, Israel  
 Internship/residency Meir Medical Center, Kfar Saba, Israel  
 Subspecialty training Wolfson Medical Center, Holon, Israel

**James Scolapio, M.D., Professor and Associate Chair**

Medical School Marshall University School of Medicine, Huntington, WV  
 Internship/residency Mayo Graduate School of Medicine, Rochester, MN  
 Subspecialty training Mayo Graduate School of Medicine, Rochester, MN

**Paul Sievert, M.D., Assistant Professor**

Medical School University of Miami School of Medicine, Miami, FL  
 Internship/residency Medical College of Virginia, Richmond, VA  
 Subspecialty training University of Florida College of Medicine – Jacksonville, Jacksonville, FL

**Lauren Stemboroski, D.O., Assistant Professor and Associate Program Director**

Medical School Lake Erie College of Osteopathic Medicine, Bradenton, FL  
 Internship/residency University of Florida College of Medicine – Jacksonville, Jacksonville, FL  
 Subspecialty training University of Florida College of Medicine – Jacksonville, Jacksonville, FL

## PUBLICATIONS

## Manuscripts:

Hasan I, Rashid T, Chirila RM, **Ghali P**, Wadei HM, Hepatorenal Syndrome: Pathophysiology and evidence-based management update. Rom J Intern Med. 2021 Aug 26;59(3):227-261. doi: 10.2478/rjim-2021-0006. Print 2021 Sep 1.

**Stemboroski L**, Samuel J, Alkaddour A, Agresti N, Gupta E, Palacio C, Munoz JC, Deutch A, Yap JEL, Vega KJ. Characteristics of Serrated Adenomas in Non-Hispanic Whites and African Americans Undergoing Screening Colonoscopy. Cureus. 2021 Jul 5;13(7):e16200. doi: 10.7759/cureus.16200. PMID: 34367803; PMCID: PMC8339107.

Sebastiani G, Patel K, Ratziu V, Feld J, Neuschwander-Tetri B, Pinzani M, Petta S, Berzigotti A, Metrakos P, Shoukry N, Brunt E, Tang A, Cobbold J, Ekoe J, Seto K, **Ghali P**, Chevalier S, Anstee Q, Watson H, Bajaj H, Stone J, Swain M, Ramji A. Current considerations for clinical management and care of non-alcoholic fatty liver disease: insights from the 1<sup>st</sup> International Workshop of the Canadian NASH Network (CanNASH) Canadian Liver Journal. Oct 2021. <https://doi.org/10.3138/canlivj-2021-0030>

Alhinai A, Qayyum-Khan A, Zhang X, Samaha P, Metrakos P, Deschenes M, Wong P, **Ghali P**, Chen TY, Sebastiani G. Non-alcoholic steatohepatitis in liver transplant recipients diagnosed by serum cytokeratin 18 and transient elastography: A prospective study. World J Hepatol. 2021 Dec 27;13(12):2179-2191. doi: 10.4254/wjh.v13.i12.2179.

## Abstracts:

Sharma R; **Stemboroski L**; Attarha B; **Ribeiro B**; **Schey R**, F1551 A Rolling Stone: A Rare Case of Severe Acute Pancreatitis Caused by Obstructive Suppurative Pancreatic Ductitis, The American Journal of Gastroenterology: October 2021 - Volume 116 - Issue - p S702 doi: 10.14309/01.ajg.0000779736.29213.80

Sharma R; **Stemboroski L**; **Ribeiro B**, S2203 An Unexpected Case of Esophageal Perforation Following Trans-esophageal Echocardiography, The American Journal of Gastroenterology: October 2021 - Volume 116 - Issue - p S944 doi: 10.14309/01.ajg.0000782344.26239.87

**Ghali P**, Hodge D, White L, Wadei HM. Outcomes in kidney after liver versus simultaneous liver kidney transplant. (Poster presentation) AASLD- The Liver Meeting Virtual experience. Nov 2021/

Cheema BS, **Ghali M**, **Schey R**, Awad Z, **Ribeiro B**, Esophageal Perforation after Using a Single-Use Disposable Duodenoscope. Case Rep Gastroenterol 2021; 15:972-977. doi: 10.1159/000519685

Hashiba K, Alberto C, Rodrigo de Siqueira P, Conrado C, **Ribeiro B**, et al. Applying Basic Principles of Surgery May Pave the Way for More Effective Endoscopic Bariatric Techniques. CC BY-NC-ND 4.0. Endosc Int Open 2021; 09(07): E1049-E1054. doi: 10.1055/a-1451-3854

Hahn, G., Golovics P., Wetwittayakhleng P, **Al Khoury A.**, Bessissow T., Lakatos P. Is There A Best First Line Biological/Small Molecule in IBD: Are We Ready for Sequencing? Novel Therapeutic Approaches in Inflammatory Bowel Disease/Biomedicine Mar 2022; doi:10.3390/biomedicines10040749

**Presentations:**

Parkman H, Blackford A, Yates K, Grover M, Malik Z, **Schey R**, Bulat R, Koch K, Sarosiek I, Kuo B, Shulman R, Farrugia G, Miriel L, Tonascia J, Hamilton F, Pasricha P, McCallum R, Abell T. Patients With Gastroparesis Using Enteral and/or parenteral Nutrition: Clinical Characteristics and Clinical Outcome Digestive Disease Week, San Diego, CA, May 2022 (Oral Presentation)

**CLINICAL ACTIVITIES**

<b>GASTROENTEROLOGY</b>	<b>FY 21/22</b>
<b>Inpatient Activity</b>	
Initial IP Encounters	1445
Shands Jacksonville Inpatient Procedures	1039
Baptist Beaches Inpatient Procedures	14
UF North Inpatient Procedures	202
<b>Outpatient Activity</b>	
Clinic Visits	13868
Shands Jacksonville Outpatient Procedures	4760
Baptist Beaches Outpatient Procedures	640
Jacksonville Beach Surgery Center Outpatient Procedures	650
Jacksonville Surgery Center	1132
UF North Outpatient Procedures	3515

**CONTRACTS AND GRANTS**

Local Principal Investigator	Study Title	Sponsor	Project Period	Total Award
Peter Ghali	<b>TARGET-NASH</b> - A 5-year Longitudinal Observational Study of Patients with Nonalcoholic Fatty Liver Disease or Nonalcoholic Steatohepatitis	Target PharmaSolutions, Inc.	1/8/2017 - present	\$100,043
Peter Ghali	<b>TARGET IBD</b> - A 5-year Longitudinal Observational Study of Patients Undergoing Therapy for Inflammatory Bowel Disease	Target PharmaSolutions, Inc.	10/03/2017 - present	\$55,352
Peter Ghali	<b>REGENERATE</b> - A Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis (NASH)	Intercept Pharmaceuticals, Inc.	12/14/2016 - present	\$355,694
Peter Ghali	<b>REVERSE</b> -A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis	Intercept Pharmaceuticals, Inc.	7/19/18-present	\$161,549
Peter Ghali	<b>CULTIVATE</b> - A Phase 2b, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess the Efficacy and Safety of Oral Etrasimod as Induction Therapy in Subjects with Moderately to Severely Active Crohn's Disease	Arena Pharmaceuticals, Inc.	6/11/2020-present	\$20,333

Peter Ghali	<b>Biospecimens Resource for Hepatocellular Carcinoma Research</b>	Mayo Clinic	5/6/2020-present	\$250,000
Peter Ghali	<b>GS-US-454-6075</b> - A Phase 2, Randomized, Double-Blind, Double-Dummy, Placebo-Controlled Study Evaluating the Safety and Efficacy of Semaglutide, and the Fixed-Dose Combination of Cilofexor and Firsocostat, Alone and in Combination, in Subjects with Compensated Cirrhosis (F4) due to Nonalcoholic Steatohepatitis (NASH)	Gilead Sciences, Inc.	5/16/2022-present	\$10,709
Peter Ghali	<b>VANTAGE</b> - A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Volixibat in the Treatment of Cholestatic Pruritus in Patients with Primary Biliary Cholangitis (VANTAGE)	Mirum Pharmaceuticals, Inc.	3/01/2022-present	\$9,003

**DIVISION OF GENERAL INTERNAL MEDICINE**  
ACADEMIC YEAR 2022 (7/21- 6/22)

**Highlights**

The division continues a robust inpatient and outpatient practice and is an integral part of the educational experience for the Internal Medicine residency. The division is looking for new opportunities for clinical and educational platforms.

**Patient Care:** The Division of General Internal Medicine is comprised of 18 members, including the two chief medical residents and one PhDs. All full time clinical faculty are certified by the American Board of Internal Medicine. The clinical care provided by members of the division include the provision of inpatient care as the attending for the four inpatient teaching services and an inpatient Internal Medicine consultation service, including medical evaluation of patients admitted to the inpatient Psychiatry service. Win Aung, who oversees the medicine consultation service, are trained in bedside ultrasound guided procedures. The procedural service is available to other services to ensure the provision of safe care.

The group has a busy outpatient practice offering services at three locations: the Ambulatory Care Center (ACC) at UF Health Jacksonville, the UF Internal Medicine Clinic at Emerson Multispecialty Clinic and the General Internal Medicine Clinic at UF Health North. Based on patient satisfaction scores, the physicians in the group are considered excellent clinicians. In addition to the excellent physicians in the group, the outpatient primary care practices are certified as NCQA Level 3 Patient Centered Medical Homes. Our outpatient practices offer two unique clinical initiatives. The *PAIDD* (Program for Adults with Intellectual and Developmental Disability) clinic established in 2013 provides primary care services and care coordination to adults with special needs who are unable to manage their health independently. *PAIDD* providers, Drs. Edwards and Jacob, provide care to almost 200 adults with intellectual and developmental disabilities. RN care coordination of these patients has been supported by a grant from the Jess Ball DuPont Foundation.

Our four inpatient teaching services are supervised by two teaching hospitalists, Drs. Aung and Reddy and other members of the Division of General Internal Medicine. The four teaching services provide an excellent educational experience for the internal medicine residents as well as residents from anesthesiology, psychiatry preliminary residents in neurology. Medical students from the University of Florida College of Medicine and other non-UF medical schools have an opportunity to work alongside an excellent group of teaching faculty and residents. As part of the inpatient wards and consultation service, residents and medical students learn the use of bedside ultrasound to assist in diagnosis and in performance of procedures. Dr. Aung has prepared a comprehensive curriculum using simulation training to assess their skills and pre- and post-tests to assess the knowledge. The division continued to work through the challenges of the COVID-19 pandemic. As in the previous years, Surge Teams were required to get the department through the increased clinical demands and strain that the pandemic caused.

The division has two faculty members with training in hospice and palliative care: Dr. Ravindra Maharaj and Dr. Win Aung. Dr. Maharaj also holds a certificate of added qualifications in Geriatrics. Along with a growing outpatient geriatric practice and palliative care practice, Dr. Maharaj offers hospice and palliative care services to our inpatient services. He is providing a much needed service, as well as education, on the role of palliative care and hospice in the care of our patients. During the pandemic, the services of hospice and palliative care have been critical as physicians, patients and families made difficult decisions.

**Education:** As noted above, resident and student education are woven into the division's practice. The GIM faculty provide supervision of residents on the four general internal medicine inpatient teaching services, the inpatient medicine consultation and procedural service and geriatrics and hospice and palliative care. In addition, the members of the division provide faculty supervision and mentoring of all categorical medicine residents in their outpatient continuity practice and urgent care clinics. Members of

the division participate in morning report, morbidity and mortality conferences and present at the noon conference core curriculum series held daily, as well as a Friday afternoon board review.

Dr. Jeff House serves as Program Director for the Internal Medicine Residency Program and Drs. Elisa Sottile and Carlos Palacio are the Associate Program Directors for the training program. The GME leadership mentors residents in their scholarly work and each year, the number of posters, abstracts, presentations and manuscripts increases. Dr. House has developed a unique rotational and curricular experience for the PGY2 residents that immerse them in quality and safety. This educational experience is well received by the residents and has resulted in quality improvement projects and scholarly activity. Dr. Sottile also serves as the Clerkship Director for medical students from Gainesville who rotate on the Internal Medicine service (inpatient and outpatient).

Dr. Win Aung and the Chief Residents continue to advance the bedside ultrasound curriculum for residents. The program has traditionally been strong in teaching ultrasound assisted procedures, but has significantly increased the experience in bedside point of care US (POCUS).

Drs. Masri and Sottile serve as peer reviewers for the University of Florida College of Medicine-Jacksonville faculty development program. Drs. Sottile and House also serve as a facilitators of the "Residents and Fellows as Teachers"-a 6-8 hour intradepartmental seminar offered each year at the University of Florida College of Medicine-Jacksonville to first year residents and fellows.

The division serves as an integral part of the education program for 3<sup>rd</sup> and 4<sup>th</sup> year medical students, as well as physician assistant students, from the University of Florida. Members of the division serve as preceptors for students in both the inpatient setting as well as in our outpatient practice. Student evaluations of their experience are excellent and are reflected in the number of exemplary teacher awards given to faculty within the division each year.

**Quality:** Dr. Jeff House coordinates Quality Improvement (QI) for the Department and for the training program. Dr. House is the Associate Chair of Medicine for Quality and Education. He is the Chair of the Medical Performance Improvement Committee (MPIC) and is a member of the Performance Improvement Committee-the institutional body that oversees quality and safety for the UF Health Jacksonville campus. Dr. Jacob serves on MPIC as the GIM representative. The division has focused on readmissions and patient satisfaction this past year. Due to previous work by QI teams in collaboration with case management, GIM readmission rates have dramatically improved. The division continues to address timeliness of discharges and throughput, as well as identify opportunities to continue to improve our patient satisfaction. In the outpatient setting, Dr. Palacio coordinates a number of quality improvement projects with the residents to look at access, show rates and whether preventive care and screening guidelines are being met. The use of quality dashboards in EPIC has allowed our practice to improve its cancer screening and immunizations and to reduce care gaps in our patient population. The GME leadership has worked with our EMR team to develop a resident dashboard that will be launched in July. This dashboard will be used as an education tool for residents to review their personal performance on various quality metrics and social determinants of health as well as review their performance compared to their peers in continuity clinics.

**Research:** Research in the division varies among the faculty. The development of the bedside ultrasound curriculum and the quality improvement/patient safety block rotation have led to poster presentations and other opportunities for educational scholarship. Many of the faculty mentor residents in their research projects and have assisted them in preparing and submitting case reports to the American Federation of Medical Research. The division continues to be productive as demonstrated by the publication list below.

**Future Directions:** To meet the primary care needs of Jacksonville, we expanded our practice to North Jacksonville and our practice continues to grow there, meeting the needs of this sector of Jacksonville and



Duval and Nassau Counties. Our practice at the Southside Multispecialty Clinic also continues to grow and receives referrals from our specialty colleagues who practice at that location as well. The PAIDD clinic for adults with intellectual and developmental disabilities receives referrals from Northeast Florida because of the unique service provided to our special needs population.

The division, along with our residents will have the opportunity to develop performance improvement initiatives that will lead to improved patient care and safety and result in the preparation of scholarly works. Epic dashboards, particularly for resident performance, are a focus for the upcoming year. When this platform is refined, it will serve as a unique resource for resident feedback on clinical measures, quality improvement projects, and scholarly activities.

Lastly, UF Health Jacksonville continues to move toward a regional campus for medical student education, and with the leadership of Dr. Sottile, the Division of Internal Medicine will be the main driver in this new endeavor.

### LISTING OF FACULTY MEMBERS



**Win Aung, M.D., Assistant Professor**

Medical School  
Internship/residency

Institute of Medicine, Myanmar  
Lutheran Medical Center



**Lori A. Bilello, Ph.D., M.B.A., M.H.S., Assistant Professor**

PhD Health Services Research  
Master of Business Administration  
Master of Health Science

University of Florida  
University of Florida  
University of Florida



**Linda Edwards, M.D., Associate Professor, Dean UF College of Medicine, Jacksonville**

Medical School  
Internship/residency

East Carolina University  
Jacksonville Health Education Programs



**Malcolm Foster, M.D., Professor Emeritus**

Medical School  
Internship/residency  
Subspecialty training

Bowman Gray School of Medicine  
University of Florida, Gainesville  
University of Florida, Gainesville (Infectious Disease)



**Shiva Gautam, Ph.D., Professor**

PhD Statistics

University of Texas at Dallas



**Maria Gutierrez, M.D., Assistant Professor**

Medical School  
Internship/residency

Ross University School of Medicine  
University of Florida, Jacksonville



**Alan Halperin, M.D., Professor Emeritus**

Medical School  
Internship/residency

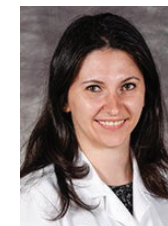
University of Kansas  
University of Wisconsin



**Jeffrey House, D.O., Professor and Associate Chair**

Medical School  
Internship/residency

Nova Southeastern College of Osteopathic Medicine  
University of Florida – Jacksonville



**Carmen Isache, M.D., Associate Professor**

Medical School  
Internship/residency  
Subspecialty training

Gr. T. Popa University of Medicine and Pharmacy  
SUNY Downstate Medical Center  
University of Florida, Jacksonville (Infectious Disease)



**Rafik Jacob, M.D., Assistant Professor**

Medical School  
Internship/residency

Ain Shams University  
Rhode Island Hospital/Brown University



**Ravindra Maharaj, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

The University of the West Indies, Trinidad  
University of Florida  
University of Miami (Geriatrics)  
University of Wisconsin (Hospice and Palliative Medicine)

**Ghania Masri, M.D., Associate Professor**

Medical School  
Internship  
Residency

Damascus University, Syria  
Cleveland Clinic Foundation  
Case Western Reserve University

**Carlos Palacio, M.D., M.P.H., Professor**

Medical School  
Internship/residency  
Post-graduate training

University of Miami  
University of Florida, Jacksonville  
University of North Florida (MPH, Master of Public Health)

**Pramod Reddy, M.D., Associate Professor**

Medical School  
Internship/residency

Sri Dev Raj Urs Medical College, India  
Stony Brook University Hospital

**Elisa Sottile, M.D., Assistant Professor**

Medical School  
Internship/residency

Temple University School of Medicine  
University of Pennsylvania

## PUBLICATIONS

**Manuscripts:**

Kalynych C, Zenni E, **Edwards L**, Snodgrass C, West D. Tuesdays are Great for Teaching Tips: Spaced Education Strategy for Faculty Development Journal of Graduate Medical Education (Accepted for publication Ms. No. JGME-D-20-01249)

**Edwards L**, Martin FC. Improving Patient Care by Reducing Medical Errors. Duval County Medical Society [Internet]. 2021 Mar 1. Available from: <https://www.dcmsonline.org/CME>.

Hayward H, Louis M, **Edwards L**, **Jacob R**. Sleep disordered Breathing in Adults with cerebral palsy. What do we know So Far? *SMJ-20-087* (in press, June 2021)

Carranza M, Chahin M, Siddiqi A, **House J**. Malignant eosinophilic ascites due to metastatic urothelial carcinoma with peritoneal carcinomatosis. *BMJ Case Rep*. 2020 Dec 12; 13(12):e238530. doi: 10.1136/bcr-2020-238530. PMID: 33310833; PMCID: PMC7735121.

Ali AA, Bajric B, **Maharaj R**. Recurring Delirium in a Patient with a Surgically Altered GI Tract. *Am J Med*. 2021 Jan; 134(1):e62-e63. doi: 10.1016/j.amjmed.2020.06.030. Epub 2020 Jul 24. PMID: 32712147.

Ali AA, Maaliki N, **Sottile E**, Schey R. Persistent chest pain in the vomiting patient secondary to an incidental spontaneous pneumomediastinum. *BMJ Case Rep*. 2021 May 6;14(5):e243487. doi: 10.1136/bcr-2021-243487. PMID: 33958370.

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#### **Presentations**

**Isache C**. General Overview of COVID-19 Disease and Epidemiology

Invited speaker – 2021 Internal Medicine Update, UFHealth Jacksonville, FL – Zoom conference, April 2021

**Isache C**. Diagnosis and Management of Urinary Tract Infections

Invited speaker – 2021 Nephrology Update, UFHealth Jacksonville, FL – Zoom conference, March 2021

**Maharaj R.** The agitated elderly patient- minimizing the confusion. Oral presentation via zoom at the UF Internal Medicine Update Conference; UF, Jacksonville FL, April 2021

Childers D, Hurst K, Nguy M, Rohan D, **Bilello L.** Post-Residency Use of Developmental Test Kits. Poster presentation at the Society for Developmental and Behavioral Pediatrics Annual Meeting, Virtual, October 2020.

Frank M, Conigliaro J, Leung T, **Sottile E**, Sgro G, Rao S. Writing High-Quality Perspectives, Commentary and Opinion Pieces: A pathway for academic success through publication in Forum and other journals. Workshop presentation at: Society of General Internal Medicine, National Annual Meeting; virtual. April 22, 2021.

**Bilello L**, Livingood WC, Lukens-Bull K, Kaunitz A, Biegner S. Perceptions concerning long acting, reversible contraception among urban minority women. Oral presentation at American Public Health Association Annual Meeting; Virtual, October 2020.

Webb F, **Bilello L**, Jones R, Morga K, Knight A. Association between COVID-19 symptoms and diabetes status among those experiencing homelessness. Oral presentation at the Network of Minority Health Research Investigators (NMRI) 19th Annual Virtual Workshop, Virtual, April 2021.

**Poster/Abstract Presentations**

Jhaveri H, Snichols D, Streit S, **Masri G.** MYASTHENIA GRAVIS: A RARE PRESENTATION OF RENAL CELL CARCINOMA IN THE ABSENCE OF UROLOGIC SYMPTOMS Poster presentation at 2021 Southern Regional Meeting February/ 22 /20201.

Foldy S, Lung J, Streit S, **Sottile E.** EPIGLOTTITIS: NOT JUST FOR KIDS. Poster presentation at: Chest Annual Meeting October 18 2020. <https://doi.org/10.1016/j.chest.2020.08.531>

**HONORS AND AWARDS**

Jeff House, DO	University of Florida Exemplary Teacher Award 2022
Maria Gutierrez, MD	University of Florida Exemplary Teacher Award 2022
Win Aung, MD	University of Florida Exemplary Teacher Award 2022
Pramod Reddy, MD	University of Florida Exemplary Teacher Award 2022
Carlos Palacio, MD	University of Florida Exemplary Teacher Award 2022
Carmen Isache, MD	University of Florida Exemplary Teacher Award 2022
Ghania Masri, MD	University of Florida Exemplary Teacher Award 2022
Elisa Sottile, MD	University of Florida Exemplary Teacher Award 2022
Linda Edwards, MD	University of Florida Exemplary Teacher Award 2022
Rafik Jacobs, MD	University of Florida Exemplary Teacher Award 2022
Ravi Maharaj, MD	University of Florida Exemplary Teacher Award 2022

**CLINICAL ACTIVITIES**

	AY 20/21
<b>Inpatient Activity</b>	
Numbers of Inpatient Admissions	3,990
<b>Outpatient Activity</b>	
Clinic Visits	13,867

**CONTRACTS AND GRANTS**

Investigator	Study Title	Project Period	Sponsor	Award Amount
Bilello, L (Co-I)	Health-Smart for Weight Loss	1/2018 – 12/2020	PCORI	\$78,000
Bilello, L (Co-I)	Florida Registry for Aging Studies	8/2020-4/2022	NIH-NIA	\$26,000
Bilello, L (Evaluator)	Jacksonville System of Care Initiative	9/2020-9/2021	SAMHSA	\$80,000
Bilello, L (Co-I)	Health-Smart Holistic Health	1/2021 – 12/2021	Humana Foundation	\$8,700
Bilello, L (PI)	Patient Centered Research Collaborative	1/2021-12/2022	PCORI	\$123,272
Bilello, L (Evaluator)	Mitigating Injustice in the Justice System	4/2021-3/2022	Robert Wood Johnson Foundation	\$5,000
Edwards, L (Co-PI)	Evaluate, Develop, and Implement Medication Safety Measures Using Medication Error Claim Reporting Systems and Medical Records	2016 - Present	Martin A. Smith Patient Safety and Quality Award	\$18,700
Gautam, S (Co-I)	Health-Smart for Weight Loss	10/2017 – 9/2020	PCORI Health	\$2.9M
Gautam, S (Co-I)	JAX-ASCENT	9/15/2017-5/31/2022	NIH	\$3.7M

Title	Recipient	Amount
Hanson Professorship	Linda Edwards, M.D.	12,000.00

**DIVISION OF HEMATOLOGY AND MEDICAL ONCOLOGY  
ACADEMIC YEAR 2022 (7/21 – 6/22)**

**Highlights**

Despite the ongoing challenges of the lingering effects of the pandemic, the Division of Hematology and Medical Oncology produced notable achievements during this past year. The division provides comprehensive outpatient and inpatient clinical consultative care in hematology and medical oncology while expanding a fully ACGME-accredited fellowship training program. Under the leadership of Division Chief and Program Director W JR Quan, the division expanded its hematologic malignancy service, successfully opened and accrued to its initial externally-supported clinical drug trial, launched its non-malignant blood disorder program with a dedicated Physician's Assistant supported by the division's largest external grant to date, added a second dedicated, specialized Registered Nurse coordinator (this one for solid tumors), and increased the number of patients cared for at our facility. The fellowship program matched two outstanding in-coming fellows and celebrated the graduation of another dual board-eligible fellow. Drs. Gharia and Quan each received the University Of Florida College Of Medicine's Exemplary Teachers Award for outstanding teaching.

**Patient care:** Our division continues to increase access to our inpatient and subspecialty expertise in evaluation and treatment of hematologic malignancies, non-malignant blood disorders, and solid tumors. We provide both outpatient and inpatient consultative services for hematology and oncology at the downtown campus, which is also the location of the only sickle cell clinic in Jacksonville, Florida. Patient care is readily convenient at UF Health Jacksonville campus. To provide the best quality of patient care, collaboration with multiple specialties through mechanisms including multi-disciplinary tumor conferences are ongoing. Our division has added a palliative care outpatient clinic twice per week that emphasizes alleviation of cancer-related pain and other symptoms. Our faculty members collaborate closely with the Proton Therapy Institute and the Departments of Surgery and Gynecologic Oncology. Faculty actively educate patients in-person, via telemedicine, and through patient education sheet facts distributed by disease diagnosis.

**Education:** The prior long-standing medical oncology fellowship has been supplanted by a fully ACGME-accredited three-year combined hematology/oncology fellowship leading to dual board eligibility. The didactic curriculum has expanded to include Hematology core lectures, hematology-based clinical rotations, and fellow-oriented reviews for the in-service training exam. The initial two graduates of the program successfully passed both Hematology and Oncology board examinations.

Our faculty offers a consult experience in hematology and oncology to residents at all training levels. Faculty development sessions including those on small group teaching, teaching under time constraints, and diversity/inclusion contribute to the educational growth of our division.

The division continues to support the Internal Medicine Residency Program through didactic involvement in the Internal Medicine resident's noon conference, and the Department of Medicine Grand Rounds. The hematology oncology fellowship has rotations at Mayo Clinic Jacksonville (Stem Cell Transplant, benign hematology). Fellows are active participants in a weekly lecture series which encourages and develops teaching skill.

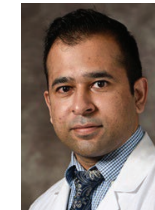
**Research:** The Division of Hematology and Medical Oncology opened its two initial externally-supported clinical drug trials using new agents in Acute Myeloid Leukemia and Essential Thrombocytosis. Additional drug trials in solid tumors such as lung cancer as well as the premiere of our investigator-initiated trials is

anticipated in the upcoming academic year. Our division continues to provide academic support to residents through mentorship in research projects and publications.

**LISTING OF FACULTY MEMBERS****W JR Quan, M.D., Professor and Division Chief**

Medical School  
Internship/residency  
Subspecialty training

Ohio State University College of Medicine, Columbus  
Medical College of Ohio, Toledo  
Medical College of Ohio, Toledo/University of Southern California

**Bharatsinh Gharia, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

Smt. N.H.L. Municipal Medical College, India  
Jersey City Medical Center, Jersey City, NJ  
University of Florida College of Medicine-Jacksonville

**Abhinav Rohatgi, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

George Washington University, Washington, DC  
SUNY Stony Brook, Stony Brook, NY  
New York University Long Island

**PUBLICATIONS**

**Quan WJR**, Kadakia M, Krishnan N, Stack A, Rogers C, Quan FM: Activity of Limited-Schedule Bendamustine and Methylprednisolone in Chronic Lymphocytic Leukemia. *Blood* (2021) 138 (Supplement 1): 4700.

Oye M, Alkhasawneh A, **Quan JR**. Gamma-Delta Large Granular Lymphocytic Leukemia A Diagnostic Dilemma. *Cureus* 14(4):e24124. (April 13, 2022). doi 10.7759/cureus.24124

Ortigoza MB, Yoon H, Goldfeld KS, et al. Efficacy and Safety of COVID-19 Convalescent Plasma in Hospitalized Patients: A Randomized Clinical Trial. *JAMA Intern Med.* 2022;182(2):115–126. doi:10.1001/jamainternmed.2021.6850

Ganguly A, Kadakia M, Nuthulaganti S, **Rohatgi A**, Suryadevara S. Preventing Life-Threatening 5-Fluorouracil Cardiotoxicity. American College of Cardiology Annual Meeting 2022. Moderated Presentation.

Huang J, Feinberg J, Dabiri B, Baum J, Akerman M, Pasquarella A, **Rohatgi A**, Dhage S, Guth A, D'Abreo N; Abstract P2-15-03: Neoadjuvant endocrine therapy (NET) as bridge therapy for early stage breast cancer during COVID-19: A single institution experience. *Cancer Res* 15 February 2022; 82 (4\_Supplement): P2–15–03.

Huang J, Feinberg J, Akerman M, Pasquarella A, **Rohatgi A**, Dabiri B, Baum J, Dhage S, Guth A, D'Abreo N; Abstract P5-14-20: Neoadjuvant endocrine therapy (NET) during COVID-19: Single institution survey of patients' perspectives. *Cancer Res* 15 February 2022; 82 (4\_Supplement): P5–14–20.

D'Abreo N, **Rohatgi A**, Kanter Marks D, Kling H, Haan J, Audeh W, and FLEX Investigators Group. Gene expression associated with lymphovascular invasion and genomic risk in early-stage breast cancer. *Journal of Clinical Oncology* 2021 39:15\_suppl, 559-559

**CLINICAL ACTIVITY**

	AY 21/22
<b>Inpatient Activity</b>	
Number of Inpatient visits	640
<b>Outpatient Activity</b>	
Clinic Visits	5,658

**CONTRACTS AND GRANTS**

Investigator	Grant/Project/Study Title	Project Period	Sponsor	Award Amount
Quan W JR	Non-Malignant Blood Disorder Program	5/1/2021-4/30/2024	The Coastal Blood Foundation	\$595,500
Quan W JR	A Phase 2 Study of the LSD1 Inhibitor IMG-7289 (Bomedemstat) in Patients with Essential Thrombocythaemia		Imago Biosciences	N/A
Quan W JR	D18-11141 : Phase III Randomized Trial of DFP-10917 vs. Non-Intensive Reinduction (LoDAC, Azacitidine, Decitabine, Venetoclax combination regimens) or Intensive Reinduction (High and Intermediate Dose Cytarabine Regimens) for Acute Myelogenous Leukemia Patients in Second, Third or Fourth Salvage		Delta-Fly Phama	N/A

**DIVISION OF INFECTIOUS DISEASE  
ACADEMIC YEAR 2021 (7/21 - 6/22)****Highlights**

The Division of Infectious Diseases continued its clinical and academic missions during this past year. The division is comprised of 3 university based infectious diseases consultants at the primary teaching hospital, all of whom are dually boarded in Internal Medicine and Infectious Diseases. We have an additional 15 ancillary faculty composed of board certified infectious diseases physicians, doctoral level microbiologists, a doctoral level pharmacist, Antimicrobial Stewardship Director and 2 masters level Infection Prevention epidemiologists, who are actively involved in the fellowship training program.

The division provided inpatient clinical Infectious Diseases consultation at UF Health Hospitals/Jacksonville and North; Hospital Infection Prevention and Control and Antimicrobial Stewardship direction at UF Health Hospitals and outpatient infectious diseases consultation at the downtown Ambulatory Care Clinic, Emerson Campus Clinic and North Campus clinic. The division maintained an ACGME accredited Infectious Diseases fellowship training program and actively participated in the training of internal medicine residents and medical students in inpatient and outpatient infectious diseases.

Members of the division also assumed administrative and teaching roles in the ID division and IM activities. Dr. Sands is the university ID Division Chief, ID Fellowship Associate Program Director and the Medical Director of Hospital Infection Prevention and Control for UF Health Hospital. Dr. Isache is the Chair of the Antimicrobial Stewardship Programs for UF Health Hospital and the ID Fellowship Program Director.

**Patient care:**

University ID Division inpatient and hospital based activity: The division provided full time inpatient infectious diseases consultation throughout the UF Health Jacksonville Hospital system. During the 2021-2022 academic year, the division performed over 1300 inpatient infectious diseases consultations with over 1200 subsequent follow-up visits at UF Health Hospital.

Outpatient services: The division offered outpatient ID consultation by referral at the Emerson and the Ambulatory Care Clinic (ACC) subspecialty clinics. During the 2021-2022 academic year, there were over 950 outpatient ID visits for HIV/AIDS and general Infectious Diseases diagnoses including chronic osteomyelitis and MRSA infection.

**Education:**

Grand Rounds: The division actively participates in presenting at Medical Grand Rounds and as regular attendees. This academic year faculty gave presentations at 3 UF Grand Rounds.

Fellowship Training: The division maintained an ACGME accredited fellowship in Infectious Diseases with one fellow for each of the two clinical fellowship years. The fellowship program has been reaccredited on a five-year cycle. The fellowship training is unique in offering two months of clinical microbiology, dedicated research time, two months of training in solid organ transplantation ID at the Mayo Clinic, one month training in Pediatric Infectious Diseases at Wolfson Children's Hospital and one month as a junior ID faculty consultant in the UF Health MICU. In addition to 14 months experience as the consultant and teaching fellow on the general ID inpatient consult service at UF Health.

Our Infectious Diseases fellows continue to distinguish themselves through maintaining a 100% ID boards pass rate and achieving successful employment as full time Infectious Diseases consultants in a variety of metropolitan areas, including San Francisco, Atlanta, Baton Rouge, Tampa, Orlando and here in Jacksonville.

**Resident Training:** Faculty provided a 12 lecture series ID core curriculum conference for the residents; ID consultation teaching and clinical rounds; outpatient HIV/AIDS continuity clinics; and resident ID board review sessions.

**Medical Student Education:** Medical students from UF Gainesville, other US sites and internationally, rotate on the infectious diseases consultative service and the outpatient ID clinics at both the ACC and Emerson campuses.

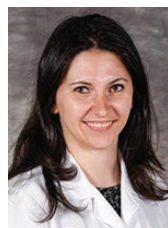
**ID Division Conference Schedule:** The division maintained a full conferencing schedule with topics including: core infectious diseases topics, regularly scheduled case conferences; ID board reviews; monthly journal club; HIV topical reviews; monthly TB cases and topical reviews; monthly research conferences; travel and tropical medicine conferences; transplantation ID conferences; and monthly Med/Peds ID joint conferences.

**Cooperative extramural resident and fellows' training:** As part of their curricula, Mayo Clinic ID fellows, UF Intensivist fellows, UF Pediatric ID fellows and UF Podiatry-Orthopedic residents rotated on the UF ID inpatient consultative service and in the HIV outpatient clinics.

**Research:** Dr. Sands was the principal investigator on two NIH sponsored research grants through the INSITE network; the START and Smart studies, now completed, to define the appropriate time to initiate antiviral therapy for HIV-infected patients. Post hoc analyses of the data has continued to yield valuable results and publications.

Publications and presentations this past academic year included 7 journal articles published in peer reviewed journals, 3 published ID monographs, 4 presentations and 1 abstract presented at regional and national meetings.

### LISTING OF FACULTY MEMBERS



**Carmen Isache, M.D., Associate Professor**

Medical School  
Internship/residency  
Subspecialty training r

Gr. T. Popa University of Medicine and Pharmacy, Romania  
SUNY Downstate Medical Center  
University of Florida, Jacksonville (Infectious Disease)



**Malleswari Ravi, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

NTR University of Health Sciences, India  
SUNY Health Science Center, Stony Brook, NY  
University of Florida, Gainesville FL



**Michael Sands, M.D., M.P.H.&T.M., Professor and Division Chief**

Medical School  
Internship/residency  
Subspecialty training

Georgetown University, Washington, DC  
St. Mary's Hospital, San Francisco, CA  
Tulane University School of Public Health & Tropical  
Medicine (MPH & TM)  
Louisiana State University School of Medicine (Infectious  
Disease)  
Northwestern Memorial Hospital, Dept. of Pathology, Clinical  
Microbiology Section (Clinical Microbiology)

### Ancillary Teaching Faculty:

**UF Health Hospital Critical Care**

James D. Cury, MD  
Vandana Seeram, MD  
Tracy Ashby, DO.

**UF Health Hospital, Microbiology Laboratories**

Yvette McCarter, Ph.D.

**UF Health Hospital, Division of Pharmacy and Antimicrobial Stewardship**

Christopher Jankowski, Pharm D.

**UF Health Hospital, Division of Infection Prevention and Control**

Major Chad Nielsen, MPH, CIC, FAPIC  
Stephanie Buchanan, RN, MBA

**Mayo Clinic – Transplantation ID**

Julio Mendez, M.D.  
Salvatore Alvarez, M.D.  
Lisa Brumble, M.D.  
Wendy Bosch, M.D.

**Wolfson Childrens' Hospital – Pediatric ID**

Nizar Maraqa, MD  
Ana Alvarez, M.D.  
Ayesha Mirza

**State of Florida Department of Health Laboratories**

Sharon Crowe, B.S., M.S.

### PUBLICATIONS

**Journal**

**McCarter, YS.** 2022. 1922-2022: The Evolution of the Clinical Microbiology Laboratory. *ASCP Critical Values*. [https://criticalvalues.org/news/item/2022/01/06/1922-2022: The Evolution of the Clinical Microbiology Laboratory \(criticalvalues.org\)](https://criticalvalues.org/news/item/2022/01/06/1922-2022-The-Evolution-of-the-Clinical-Microbiology-Laboratory-criticalvalues.org)

Verdecia J, Kunz AJ, Patel S, Oye M, **Ravi M, Sands M.** Miliary Histoplasmosis in a Renal Transplant Patient. *Cureus*. 2021 Nov 7;12(11):e19338. doi: 10.7759/cureus.19338. PMID: 34909299; PMCID: PMC8653925.

Zhang Y, Verdecia J, Mgbemena O, **Ravi M, Sands M.** Bartonella Endocarditis: A Missed Diagnosis in Medical Practice. *Cureus*. 2021 Nov 6;13(11):e19309. doi: 10.7759/cureus.19309. PMID: 34900484; PMCID: PMC8647862.

Kunz Coyne AJ, AM Casapao, **CL Isache**, J Morales, **YS McCarter** and **CA Jankowski**. 2021. Influence of antimicrobial stewardship and molecular rapid diagnostic test on antimicrobial prescribing for extended-spectrum beta-lactamase and carbapenemase-producing bacteria in bloodstream infections. *Microbiol Spectr* 9:e00464-21. <https://doi.org/10.1128/Spectrum.00464-21>. Epub 2021 Oct 27 PMID: 34704795

Torrente N, Verdecia J, Sands M (May 19, 2022) An Eye-Opening Presentation of Syphilis. *Cureus* 14(5): e25132. doi:10.7759/cureus.25132

Burkholderia prostatic abscess in a Traveler. Ravi M, Sands M, Verdecia. Accepted Open Forum in Infectious Diseases 2022

Necrotizing Herpes simplex whitlow. Verdecia J, Sands M, Isache C, Vootukuri s. Accepted in Clinical Infectious Diseases 2022

**Abstracts:**

Chang E, A Casapao, **C Jankowski, Y McCarter, M Ravi, C Isache.** Candidemia: A decade under antimicrobial stewardship influence at an academic medical center. Submitted abstract Vizient Consortium Pharmacy Network Meeting, December 2021.

**Presentations:**

Bright T, Erdman MJ, **Jankowski CA,** McGory K, Pardon A, **McCarter YS.** Assessment of changes in urine culture ordering and its impact on the treatment of bacteriuria in the neuroscience intensive care unit. Poster Presentation at Society of Critical Care Medicine, 51<sup>st</sup> Critical Care Congress San Juan, Puerto Rico April 18<sup>th</sup>, 2022

Kunz Coyne, AJ, Al-Shaer, MH, Casapao AM, Ferreira, J, **Isache C, Jankowski CA.** Effectiveness and safety of beta-lactam antibiotics with and without therapeutic drug monitoring in patients with *Pseudomonas aeruginosa* pneumonia or bloodstream infection. Poster Presentation at IDWeek 2021. Virtual. Open Forum Infectious Diseases, Volume 8, Issue Supplement 1, November 2021, Page S650, <https://doi.org/10.1093/ofid/ofab466.1308>

Kunz Coyne, AJ, Al-Shaer, MH, Casapao AM, Ferreira, J, **Isache C, Jankowski CA.** Effectiveness and safety of beta-lactam antibiotics with and without therapeutic drug monitoring in patients with *Pseudomonas aeruginosa* pneumonia or bloodstream infection. Poster Presentation at IDWeek October 2021. Virtual.

Herdon AT, **Jankowski CA,** Nguyen CT, **McCarter YS, Isache CL,** Edman MJ. Efficacy of adjuvant immunomodulatory medications for the treatment of influenza B in hospitalized patients. Poster Presentation at Florida Society of Health-System Pharmacists Annual Meeting 2021. Orlando, FL August 6, 2021

**Monographs and Book Chapters:**

Mucormycosis. Palnitkar R, **Sands M.** BMJ Point-of-Care 2009, updated 2021; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

Non-Cholera Vibrio infections. **Sands M., Isache C.** BMJ Point-of-Care 2009, updated 2021; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com).

Hantavirus infections. **Sands M., Isache C.** BMJ Point-of-Care 2009, updated 2021; [www.pointofcare.bmj.com](http://www.pointofcare.bmj.com)

**CLINICAL ACTIVITIES**

	<b>AY 21/22</b>
<b>Inpatient activity</b>	
Consults	1321
Subsequent visits	
<b>Outpatient activity</b>	
Clinic Visits	957

**Honors and Awards**

Carmen Isache	Exemplary Teacher Award
Malleswari Ravi	Exemplary Teacher Award
Michael Sands	Exemplary Teacher Award

**GRANTS AND CONTRACTS**

<b>Principal Investigator</b>	<b>Study Title</b>	<b>Project Period</b>	<b>Sponsor</b>
M. Sands	Developing and assessing whole genome sequencing analysis for molecular epidemiology of MRSA infections at a Florida hospital	7/18 – 7/21	FoxSeq
C. Isache (co-PI)	Immunophenotyping Assessment in a COVID-19 Cohort (IMPACC))	6/20 – 4/22	NIAID
C Isache	ACTIV-6: COVID-19 Outpatient Randomized Trial to Evaluate Efficacy of Repurposed Medications	10/21 to present	Duke University
C. Isache	Study to Evaluate the Safety, Tolerability, and Efficacy of BGE-175 in Hospitalized Adults With Coronavirus Disease 2019 (COVID-19) That Are Not in Respiratory Failure	01/22 to 6/22	BioAge Labs, Inc.



**DIVISION OF NEPHROLOGY AND HYPERTENSION**  
ACADEMIC YEAR 2022 (7/21 - 6/22)

**Highlights**

In the 2021 - 2022 academic year, the Division of Nephrology and Hypertension continued to make headway in meeting the goals of the academic mission.

In patient care, the offsite dialysis ventures with DCI at the Gateway and Midtown Hemodialysis Units have continued to support the hemodialysis mission for UF. ARNP's Melissa Goalen and Shatura Rowe played essential roles in the care of our large outpatient dialysis population.

In education, the Nephrology fellowship progressed successfully with continuation of Simulation Trainings and renal transplant rotations at Mayo Jacksonville, plus the Emerson and Downtown clinics with renal transplant patients. The Emerson site Renal Transplant Clinic has been staffed by Dr. Vishal Jaikaransingh with Renal Fellows rotating through the clinic. The Downtown Post-Renal Transplant Clinic has been staffed by Dr. Ronald Mars along with Renal Fellows rotating through the clinic.

Dr. Vishal Jaikaransingh continues as the Associate Program Director for the fellowship, and he continues as organizer of the fellows' Renal Physiology and General Nephrology Lecture Series.

The joint Renal Pathology Conference with Mayo Clinic Jacksonville and Mayo Clinic Rochester continued as a successful and important piece of the educational program, as did the Mayo Clinic Jacksonville core lecture series on renal transplantation. The annual Update in Nephrology & Hypertension CME Symposium continued in 2022 as a virtual conference due to the COVID19 pandemic. Dr. Ronald Mars received an Exemplary Teacher Award this academic year. Dr. Vishal Jaikaransingh received an Exemplary Teacher Award, and a University of Florida Five-Star Provider Patient Experience Award, 2021.

The Division presented abstracts virtually at the 2021 ASN Meeting. The research laboratory of Dr. Charles Heilig continued basic research studies into the pathogenesis of diabetic and nondiabetic glomerulosclerosis in diabetic and transgenic mouse models, with a focus on the roles of Mechano-Growth Factor (MGF) and glucose transporters. He licensed a laboratory invention to Applied Biological Materials Inc., Vancouver, British Columbia, via the UF Technology Office.

Fellows and/or faculty participated in meetings of the American Society of Nephrology, the National Kidney Foundation, and a national Home Dialysis Educational Seminar.

**Patient care:** The Division of Nephrology provided physician services and the medical director for two outpatient chronic dialysis units and also provided services to the inpatient UF Health Jacksonville acute hemodialysis unit. Dialysis Services provided include hemodialysis (HD), peritoneal dialysis (PD), and inpatient CRRT. Faculty clinics were staffed at the Towers Clinic on the downtown campus by the nephrology faculty members, at the Emerson Transplant Clinic by Dr. Vishal Jaikaransingh, and at the UF North Nephrology Clinic by 3 faculty members. The nephrology clinics at the UF Health Jacksonville campus included the Nephrology Faculty Clinics, the Anemia Clinic, the Post-Renal Transplant Clinic, the Fellows' Continuity Clinics, and the Correctional Facility Clinic. The inpatient Nephrology Acute and Chronic Consult Services were staffed by two faculty members and two fellows. These two services continued to provide important educational platforms for fellows, medical residents & students. Dr. Ronald Mars was the Quality Officer for the Division.

The Division continues to work with the Department of Surgery on improving placement of permanent vascular access for patients preparing for hemodialysis, to fulfill goals of the Fistula First Program. The

Post-Renal Transplant Clinic and the Emerson Transplant Clinics continued to serve as additional platforms for education of the fellows and care of renal transplant patients.

**Education:** The fellows' Renal Physiology Lecture Series, initiated in 2010, continued under Dr. Jaikaransingh's guidance as an important component of the nephrology educational experience. The joint Renal Pathology Teleconference including UF Health Jacksonville, Mayo Jacksonville and Mayo Rochester, has continued to be an important educational component for the Nephrology Fellowship program. The annual Update in Nephrology and Hypertension continued to be an important educational venue for fellows and faculty alike in 2022. This symposium typically includes UF faculty, and at times visiting speakers.

The Nephrology faculty continue to participate in educational programs for the Medicine residents, including the Medicine Residents' Noon Conferences, Nephrology Clinics & the Nephrology Hospital Consult Rotations. The Mayo Clinic Jacksonville Renal Transplant Rotation for UF Health Jacksonville Nephrology fellows continued successfully and complements the Nephrology training program at UF Health. The ACGME-required milestones have been incorporated into the fellowship training program and rotation evaluations.

**Research:** The topics of research studies in the Division spanned from basic science work on glucose transporter & growth factor roles in diabetic and nondiabetic glomerular disease, to modified dialysis prescription investigation. Dr. Heilig's laboratory focuses on glucose transporter- and MGF- regulation of glomerulosclerosis in both diabetic and nondiabetic kidney disease. Dr. Irtiza Hasan investigated mechanisms of glomerulosclerosis in patients with nondiabetic or diabetic renal disease. Dr. Ronald Mars investigated the efficacy of modified dialysis prescriptions for cost saving in hemodialysis. Dr. Alaa Awad joined the faculty in December 2021, and continues his studies on diabetic kidney disease.

The Nephrology fellows participated in various different research studies & scholarly activities as part of their research training. Fellows also participated in scholarly activities for the 2021 virtual American Society of Nephrology Meeting. The Nephrology Division produced 1 manuscript, 3 abstracts, 3 presentations, and had one research grant.

**Special Initiatives:**

Nephrology & Hypertension Annual Update, Jacksonville, FL: This year's meeting was held as a virtual conference due to COVID-19. This yearly meeting typically provides education and CME credits. Doctors, nurses and others involved in the care of patients with renal disease attend the meeting. The Activity Director was Dr. Ronald Mars.

Nephrology Fellows' Quality Improvement Project in Dialysis: The faculty worked with the fellows on this important activity in hemodialysis which helped to fulfill the ACGME – required competency requirements.

Nephrology Fellows' Patient Safety Project: This Fistula-First Project includes, but is not limited to, fellow timely referral for and tracking of AV-fistula placement, outcomes from the time of referral to dialysis initiation and beyond. Goals include optimizing AVF prevalence and function for initiation of dialysis, reduction of vascular access complications once dialysis has begun, and fellow analysis of patient outcomes, by type of access initially used.

Simulation Laboratory Experiences: The Nephrology fellows received Institutional Patient Safety Training in the Simulation Laboratory. They also participated in the yearly Nephrology Simulation Laboratory experiences for temporary hemodialysis catheter placement and renal biopsy.

Fistula First Initiative: Faculty and fellows continue to participate in this quality improvement and patient safety initiative, aimed at improving patient outcomes on hemodialysis.

**LISTING OF FACULTY MEMBERS**



**Alaa Awad, M.D., Professor**  
 Medical School  
 Internship/residency  
 Subspecialty training

Cairo University School of Medicine, Egypt  
 Penn State Hershey Medical Center  
 UT – Health San Antonio, TX



**Md. Irtiza Hasan, M.D., Assistant Professor**  
 Medical School  
 Internship/residency  
 Subspecialty training

Ibrahim Medical College, Dhaka, Bangladesh  
 BIRDEM General Hospital, Dhaka, Bangladesh  
 University of Florida College of Medicine, Jacksonville, FL



**Charles Heilig, M.D., Professor and Division Chief**  
 Medical School  
 Internship/residency  
 Subspecialty training

University of Minnesota  
 Mayo Clinic Rochester  
 Brigham and Women’s Hospital, Harvard Medical School



**Vishal Jaikaransingh, M.D., Assistant Professor**  
 Medical School  
 Internship/residency  
 Subspecialty training

University of the West Indies, Trinidad  
 University of Florida, Jacksonville, FL  
 UT Southwestern Medical Center, Dallas, Texas



**Pradeep Kadambi, M.D., M.B.A., Professor and Senior Associate Dean, Clinical Affairs**  
 Medical School  
 Professional Education  
 Internship/residency  
 Subspecialty training  
 Subspecialty training

Bangalore University, Bangalore, India  
 Northwestern University  
 Yale University School of Medicine  
 Yale University School of Medicine  
 University of Chicago– Transplant Nephrology



**Ronald Mars, M.D. Associate Professor**  
 Medical School  
 Internship/residency  
 Subspecialty training

St Louis University  
 Emory University  
 Emory University

**PUBLICATIONS**

**Manuscripts:**

**Hasan I.**, Rashid T., Chirila R., Ghali P. & Wadei H. (August 2021). Hepatorenal syndrome: pathophysiology and evidence-based management update. Romanian Journal of Internal Medicine, 59(3) 227-261.

**Abstracts:**

**Hasan I. Heilig C. W.** Cutaneous manifestations of COVID-19 vaccine in ESRD patients. J Am Society Nephrol 32:88, November 2021.

Chander Z, **Hasan I, Jaikaransingh V.** Severe Thrombocytopenia due to Electron-Beam Sterilized Polysulfone Dialyzer Membrane Reaction. J Am Soc Nephrol 32, November 2021.

Adorno Rivera Z, **Hasan I, Heilig CW.** Ocular Dysequilibrium with Eye Pain During Hemodialysis. J Am Society Nephrol 32:307 (Abstr. Suppl.), November 2021.

**PRESENTATIONS**

Ali A, Chowdry N, **Hasan I, Jaikaransingh V.** Severe hypomagnesemia secondary to PPI in a patient with an ostomy. Poster presentation at American Federation of Medical Research – Southern Regional Meeting; New Orleans, LA, February 2022.

Alvarez Retamles V, Khan H, **Mars R.** Unilateral (R) Transudative Pleural Effusion in a Peritoneal Dialysis Patient. Poster presentation at: UF/Jax Research Day, April 2022.

**Heilig C.** Glomerular Glucose Transporters and Diabetic Glomerulosclerosis. Baylor Scott & White Medical Center, Medical Grand Rounds, March 2022.

**HONORS AND AWARDS**

Vishal Jaikaransingh, MD: University of Florida Exemplary Teacher Award 2021  
 University of Florida Five-Star Provider, Patient Experience Award 2021

Ronald Mars, M.D.: University of Florida Exemplary Teacher Award 2021

**CLINICAL ACTIVITIES**

Inpatient activity	AY 21/22
Initial inpatient encounters	1,637
Inpatient dialysis treatments	3,793
<b>Outpatient activity</b>	
Clinic visits	3,633
Outpatient dialysis visits (full month)	2,376

**CONTRACTS AND GRANTS**

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Heilig C	Genetic Variations in the Glut1 Gene in Patients with End Stage Renal Disease due to Diabetic Nephropathy.	7/2018 – 3/2022	DCI #C-4092	\$44,000

**DIVISION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE**  
ACADEMIC YEAR 2021 (7/21 - 6/22)

**Highlights**

The Division of Pulmonary, Critical Care and Sleep Medicine has shown resilience thru a Global Pandemic with productive faculty members. There have been some staff changes as Dr Mehdi Mirsaeidi joined the Division in November 2021 as Division Chief. The fellowship program was approved for a complement increase to 1 critical care fellow per year starting 2022 and the fellowship training program continues to be popular with almost 500 applications for the three available positions per year. Clinically, we continue the expansion of Pulmonary Disease clinics and consultation services at UF North. Academically, the division continues to be productive in the areas of clinical and original research and publications. The faculty members are involved in several committees and assemblies of American Thoracic Society, American College of Chest Physicians, and Pulmonary Hypertension Association. The fellows, under the mentorship of faculty, are engaged in a number of clinical studies, to include COVID-19 related studies. The division had a number of abstracts presented in national and international conferences and was represented in various national and international meetings in the form of providing educational lectures.

**Patient care:** The division faculty staffs a number of specialty and general pulmonary clinics. The asthma clinic, under the supervision of Dr. Cury, continues to be a part of the American Lung Association Asthma Clinical Research Network and is involved in successful industry funded clinical research in this arena.

The pulmonary hypertension clinic, under the leadership of Dr. Seeram and Dr. Najjar, continues to be a locally known referral center with patients being referred from regions all over our coast. As member of the Pulmonary Hypertension Association, it is on track to become a Regional Referral Center with a successful first site visit in December 2019. We continue to host a successful Pulmonary Hypertension support group for patients and caregivers and have transitioned well to a virtual format. Nationally renowned speakers have been guest speakers at these support group meetings. The clinic currently manages over 150 pulmonary hypertension patients and our faculty perform the required right heart catheterizations in a dedicated suite to complete the comprehensive assessments of this patient population. Alicia Peters, RN has been newly appointed as the Pulmonary Hypertension and Pulmonary Disease Clinical Coordinator.

The Interstitial Lung Disease and Sarcoidosis clinic, under the leadership of Dr. Mirsaeidi and Dr. Najjar continues to expand and is involved in numerous clinical trials around ILD. The program has started MDD meeting with collaboration with Division of Rheumatology, Department of Radiology and Pathology.

The fellows' continuity clinic is staffed and supervised by faculty three days weekly. The number of pulmonary function, 6MWT, NIOX testing performed over both campuses has increased with the addition of a dedicated RT at Faculty Pulmonary clinic and the addition of an oxygen assessment and 6 minute walk clinic.

The thoracic oncology clinic continues its multidisciplinary approach to patients with thoracic malignancy. The division expands the bronchoscopy program at the North campus with Drs. Ashby and Najjar. The lung cancer screening program has been restructured and will be expanded to UF North Hospital.

The MICU continues care of patients with COVID-19 during the pandemic surge. Our faculty provided continued coverage in the Medical ICU since COVID19 started. The dedication, courage, professionalism is exemplary amongst our faculty, MICU nursing, and ancillary staff.

The inpatient pulmonary consult service continues to be busy and, with the continued evolution of the bronchoscopy, thoracoscopy and right heart catheterization suite, there has been an increase in the number, efficiency and timeliness of procedures offered by the division. The COVID+ patients have been

consulted to the pulmonary service for recommendations on management and continuity of care. Our faculty have contributed to the monthly hospital COVID guidelines that are available on the UF Health Bridge and provide guidance on the constantly evolving body of evidence behind the management practices for hospitalized COVID 19 patients.

Pulmonary consult service at UF North has recently initiated and will continue its growth. The Division is involved in improving quality of care of inpatients with pulmonary diseases including reducing COPD readmission rate at UF-North.

The Division has central role in Sleep Medicine. UF Health operates a combined 8 bed Sleep Center accredited by the American Academy of Sleep Medicine (AASM). The UF Health Sleep Center operates seven nights per week and features state-of-the-art monitoring equipment, including out of center testing between the UF Health Jacksonville Downtown and North campuses. Dr. Lewis as Sleep Program director is involved in quality improvement initiatives, and clinical or translational research in sleep.

**Education:** The faculty has been invited to present lectures at international conferences such as ATS, CHEST, and SETA in the past year, which is a reflection of national recognition of our division.

The division continues to play an active role in educational core lecture series including Grand Rounds and Updates in Internal Medicine 2021-2022. The division faculty also has an active role in the educational lectures for a variety of residency programs including Navy family medicine, emergency medicine, obstetrics, internal medicine and trauma critical care. Dr. Seeram was honored by University of Florida Internal Medicine residency Teacher of Year Award for years 2016, 2017, 2018 and 2020.

Dr. Vandana Seeram continued as the Pulmonary Medicine and Critical Care Medicine Fellowship Director coordinating the educational activities for the fellowship with continued 100% first time board pass rates. Dr. Najjar has been appointed as associate program director as expansion of our fellowship program. The fellowship program has been granted a complement increase to three fellows per year and hopes to continue with the expansion efforts. As a result of the increased number of fellows, there will be the implementation of a night float fellow on most nights which will help with continuity of care and resident guidance in the MICU.

The division was involved in various regional/national/international meetings with faculty representing the University of Florida College of Medicine-Jacksonville by providing educational lectures in various topics of interest and Dr Lewis presented at the Chest 2022 which was held virtually. Dr. Mirsaeidi Presented at ATS 2022 that was held in San Francisco.

The faculty continues to mentor and supervise family medicine residents from the Navy residency program during their rotation in medical intensive care unit and have always received very positive feedback from the leadership of Naval Air Station Jacksonville. We have been active in training nurse practitioners and physician assistants not only from the University of Florida sponsored training programs but also from local sponsored programs.

**Research:** The division has been very successful in obtaining and continuing its clinical research trials along with funded research. The funded research includes dean's grants, UF clinical quality grant and investigator initiated trials. The number of internal unfunded clinical research protocols has also increased substantially resulting in quality abstracts being presented at national and international meetings. A dedicated basic science research lab was developed by Dr. Mirsaeidi team and has enabled the division to participate in more collaborative translational research protocols including development of lung cancer research team, collaboration with UF Cancer Center, and development to UF Phage Center.

The faculty has had a number of publications in peer review journals and has manuscripts in preparation. Close collaboration with other departments with common research interests is the key to future protocols and publications.

### LISTING OF FACULTY MEMBERS



**Tracy Ashby, D.O., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

Lincoln Memorial University  
University of Florida/Jacksonville  
University of Florida/Jacksonville



**James D. Cury, M.D., Associate Professor**

Medical School  
Internship/residency  
Subspecialty training

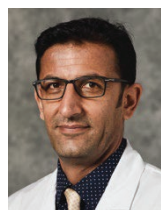
University of Miami  
Barnes Hospital/Washington  
Washington University



**Vandana Seeram, M.D., Associate Professor**

Medical School  
Internship/residency  
Subspecialty training

University of West Indies  
University of Florida/Jacksonville  
University of Florida/Jacksonville



**Abdolrazagh Hashemi Shahraki Ph.D. Lab manager**

Undergraduate School  
Ph.D., Environmental Science

University of Ahvaz  
University of Windsor



**Mariam Louis, M.D., Associate Professor**

Medical School  
Internship/residency  
Subspecialty training

McGill University  
McGill University  
McGill University (Pulmonary Medicine)  
Johns Hopkins University (Sleep Medicine)



**Nimeh Najjar, M.D., Assistant Professor**

Medical School  
Internship/residency  
Subspecialty training

Ross University School of Medicine  
University of Florida/Jacksonville  
University of Florida/Jacksonville



**Mehdi Mirsaeidi, M.D., MPH, Professor and Chief**

Medical School  
Internship/residency  
Subspecialty training

Qazvin University of Medical Sciences  
George Washington University  
University of Illinois at Chicago

### PUBLICATIONS

#### Manuscripts:

- Cai R, Zhang X, Wang H, Cui T, Halmos G, Sha W, He J, Popovics P, Vidaurre I, Zhang C, Mirsaeidi M, Schally AV. Synthesis of potent antagonists of receptors for growth hormone-releasing hormone with antitumor and anti-inflammatory activity. *Peptides* 2022; 150: 170716.
- Kambali S, Quinonez E, Sharifi A, Shahraki AH, Kumar N, Dushyantha J, Mirsaeidi M. Pulmonary nontuberculous mycobacterial disease in Florida and association with large-scale natural disasters. *BMC Public Health* 2021; 21: 2058.
- Haddadi S, Mirsaeidi M. Commentary: Meta-Analysis and Structural Dynamics of the Emergence of Genetic Variants of SARS-CoV-2. *Front Med (Lausanne)* 2021; 8: 747109.
- Sodeifian F, Seyedalhosseini ZS, Kian N, Eftekhari M, Najari S, Mirsaeidi M, Farsi Y, Nasiri MJ. Drug-Induced Liver Injury in COVID-19 Patients: A Systematic Review. *Front Med (Lausanne)* 2021; 8: 731436.
- Bagheri M, Pormohammad A, Fardsanei F, Yadegari A, Arshadi M, Deihim B, Hajikhani B, Turner RJ, Khalili F, Mousavi SMJ, Dadashi M, Goudarzi M, Dabiri H, Goudarzi H, Mirsaeidi M, Nasiri MJ. Diagnostic Accuracy of Pyrazinamide Susceptibility Testing in Mycobacterium tuberculosis: A Systematic Review with Meta-Analysis. *Microb Drug Resist* 2022; 28: 87-98.
- Hajikhani B, Nasiri MJ, Adkinson BC, Azimi T, Khalili F, Goudarzi M, Dadashi M, Murthi M, Mirsaeidi M. Comparison of Rifabutin-Based Versus Rifampin-Based Regimens for the Treatment of Mycobacterium avium Complex: A meta-Analysis Study. *Front Pharmacol* 2021; 12: 693369.
- Banoei MM, Dinparastisaleh R, Zadeh AV, Mirsaeidi M. Machine-learning-based COVID-19 mortality prediction model and identification of patients at low and high risk of dying. *Crit Care* 2021; 25: 328.
- Alipoor SD, Mirsaeidi M. Inborn Errors in the LRR Domain of Nod2 and Their Potential Consequences on the Function of the Receptor. *Cells* 2021; 10.
- Haddadi S, Adkinson BC, Holt GE, Mirsaeidi M. Sarcoidosis or cancer? That is the question. *Respir Med Case Rep* 2021; 33: 101426.
- Kazemi SN, Hajikhani B, Didar H, Hosseini SS, Haddadi S, Khalili F, Mirsaeidi M, Nasiri MJ. COVID-19 and cause of pregnancy loss during the pandemic: A systematic review. *PLoS One* 2021; 16: e0255994.
- Zhang C, Tian R, Dreifus EM, Hashemi Shahraki A, Holt G, Cai R, Griswold A, Bejarano P, Jackson R, A VS, Mirsaeidi M. Activity of the growth hormone-releasing hormone antagonist MIA602 and its underlying mechanisms of action in sarcoidosis-like granuloma. *Clin Transl Immunology* 2021; 10: e1310.
- Omidi F, Hajikhani B, Kazemi SN, Tajbakhsh A, Riazzi S, Mirsaeidi M, Ansari A, Ghanbari Boroujeni M, Khalili F, Hadadi S, Nasiri MJ. COVID-19 and Cardiomyopathy: A Systematic Review. *Front Cardiovasc Med* 2021; 8: 695206.
- Shahraki AH, Vahed M, Mirsaeidi M. Mask-off policy in the shadow of emerging variants of SARS-COV-2. *Eur J Intern Med* 2021; 90: 109-110.
- Arshadi M, Fardsanei F, Deihim B, Farshadzadeh Z, Nikkhahi F, Khalili F, Sotgiu G, Shahidi Bonjar AH, Centis R, Migliori GB, Nasiri MJ, Mirsaeidi M. Diagnostic Accuracy of Rapid Antigen Tests for COVID-19 Detection: A Systematic Review With Meta-analysis. *Front Med (Lausanne)* 2022; 9: 870738.
- Sabaghian T, Kharazmi AB, Ansari A, Omidi F, Kazemi SN, Hajikhani B, Vaziri-Harami R, Tajbakhsh A, Omidi S, Haddadi S, Shahidi Bonjar AH, Nasiri MJ, Mirsaeidi M. COVID-19 and Acute Kidney Injury: A Systematic Review. *Front Med (Lausanne)* 2022; 9: 705908.
- Nickols NG, Mi Z, DeMatt E, Biswas K, Clise CE, Huggins JT, Maraka S, Ambrogini E, Mirsaeidi MS, Levin ER, Becker DJ, Makarov DV, Adorno Febles V, Belligund PM, Al-Ajam M, Muthiah MP, Montgomery RB, Robinson KW, Wong YN, Bedimo RJ, Villareal RC, Aguayo SM, Schoen MW, Goetz MB, Graber CJ, Bhattacharya D, Soo Hoo G, Orshansky G, Norman LE, Tran S, Ghayouri L, Tsai S, Geelhoed M, Rettig MB. Effect of Androgen Suppression on Clinical Outcomes in Hospitalized Men With COVID-19: The HITCH Randomized Clinical Trial. *JAMA Netw Open* 2022; 5: e227852.
- Sabaghian T, Rommasi F, Omidi F, Hajikhani B, Nasiri MJ, Mirsaeidi M. COVID-19 in patients with and without acute kidney injury. *Bratisl Lek Listy* 2022; 123: 382-380.
- Solo-Gabriele HM, Kumar S, Abelson S, Penso J, Contreras J, Babler KM, Sharkey ME, Mantero AMA, Lamar WE, Tallon JJ, Kobetz E, Solle NS, Shukla BS, Kenney RJ, Mason CE, Schurer SC, Vidovic D, Williams SL, Grills GS, Jayaweera DT, Mirsaeidi M, Kumar N. COVID-19 Prediction using Genomic Footprint of SARS-CoV-2 in Air, Surface Swab and Wastewater Samples. *medRxiv* 2022.
- Farsi Y, Tahvildari A, Arbabi M, Vazife F, Sechi LA, Shahidi Bonjar AH, Jamshidi P, Nasiri MJ, Mirsaeidi M. Diagnostic, Prognostic, and Therapeutic Roles of Gut Microbiota in COVID-19: A Comprehensive Systematic Review. *Front Cell Infect Microbiol* 2022; 12: 804644.
- Mirsaeidi M, Baughman RP. Repository Corticotropin Injection for the Treatment of Pulmonary Sarcoidosis: A Narrative Review. *Pulm Ther* 2022; 8: 43-55.
- Ghodsizad A, Grant AA, Mohammed AN, Navas-Blanco J, Ruhparwar A, Mirsaeidi M, Hare JM, DeMarchena E, Loebe M. Bilateral pneumonectomy and lung transplant for COVID-19 induced respiratory failure. *JTCVS Tech* 2022.
- Rommasi F, Nasiri MJ, Mirsaeidi M. Immunomodulatory agents for COVID-19 treatment: possible mechanism of action and immunopathology features. *Mol Cell Biochem* 2022; 477: 711-726.

**Electronic Media:**

Sodhi A, Kadaria D, Trabanco J, Burden Z, and **Louis M.** COVID-19 and Pregnancy. CHEST Guidelines and resources April 30, 2021.

**Abstract/Presentations:**

**Oral Presentations:**

Association of State Health Factors with COPD Mortality in the United States

**Presenter: Mehdi Mirsaeidi:** ATS 2022

An Uninvited Guest: Non-Tuberculous Mycobacterial Infections in Lung Transplant Patients

**Presenter: Mehdi Mirsaeidi:** ATS 2022

COVID-19 Case-Fatality Rate Is Associated with State Health Disparity in the United States

**Presenter: Mehdi Mirsaeidi:** ATS 2022

**HONORS AND AWARDS**

**CLINICAL ACTIVITIES**

	<b>AY 21/22</b>
<b>Inpatient activity</b>	
Initial Inpatient Encounters	747
<b>Outpatient activity</b>	
Clinical Visits	5736
<b>Procedures</b>	
Bronchoscopies	602
Sleep Studies	1133

**CONTRACTS AND GRANTS**

Principal Investigator	Study Title	Project Period	Sponsor	Award	Notes
Cury	<b>Leep : enrollment closed</b> Losartan Effects on Emphysema Progression (COPD)	2017 - present	John Hopkins	\$4,500	Pt count: 31
Cury	<b>Leep COVID: enrollment closed</b> Losartan Effects on Emphysema Progression (LEEP) COVID-19 Ancillary Study Protocol	3/2019 - present	John Hopkins	\$1,180	Pt count: 8
Cury	<b>Match – enrollment open</b> Improving medication adherence with telehealthcare medication therapy management to change health outcomes in adolescents and young adults with asthma	2018 - present	John Hopkins	\$535pp	Pt count: 0
Cury	<b>D3251C00014 Resolute - enrollment closed</b> A Multicenter, Randomized, Double-blind, Chronic-dosing, Parallel-group, Placebo-controlled Phase 3 Study to Evaluate the Efficacy and Safety of Benralizumab 100 mg in Patients with Moderate to Very Severe Chronic Obstructive Pulmonary Disease (COPD) with a History of Frequent COPD Exacerbations and Elevated Peripheral Blood Eosinophils (RESOLUTE)	1/2020 – present	AstraZenca	\$26,500.00	Pt count: 1
Seeram	<b>Sphere enrollment closed:</b> Upravi® (Selexipag): the usErs dRug rEgistry	11/2017 - present	Actelion	\$6,500	Pt count: 6
Seeram	<b>RIN-PH-202 – roll-over of RIN-PH-201 enrollment closed</b> An Open-Label Extension study of Inhaled Treprostinil in Subjects with Pulmonary Hypertension due to Parenchymal Lung Disease	11/2017 - present	United Therapeutics	\$30,800	Pt Count: 1
Najjar	<b>BI 1199.248 – rollover of 1199.247 enrollment closed</b> An open-label extension trial of the long-term safety of nintedanib in patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD)	5/2019 - present	BI	\$12,912	Pt count: 2
Seeram	<b>FGCL-3019-091A – FibroGen - enrollment open</b> Phase 3, randomized, double-blind, placebo-controlled efficacy and safety of pamrevlumab in subjects with IPF	3/2020 - present	FibroGen, Inc	\$30,800	Pt count: 2
Ashby	<b>Starscape PRM-151-303 WA42293 – SIV 9/16!</b> A Phase 3 Randomized, Double-Blind, Placebo-Controlled Trial To Evaluate The Efficacy And Safety Of PRM-151 In Patients With Idiopathic Pulmonary Fibrosis	10/2020	F. Hoffmann-La Roche Ltd	\$37,000	
Ashby	<b>Starscape - WA42294 – will start after 93</b> A Phase 3, Open-label extension study to Evaluate The Efficacy And Safety Of PRM-151 In Patients With Idiopathic Pulmonary Fibrosis	N/A	F. Hoffmann-La Roche Ltd	No budget yet	
Cury	<b>Genetech – in budgeting &amp; contracting</b> A PHASE IIb, RANDOMIZED, DOUBLE-BLIND, PLACEBOCONTROLLED, MULTICENTER STUDY TO EVALUATE THE EFFICACY AND SAFETY OF ASTEGOLIMAB IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE	3/2021	Genetech	\$29,500	
Louis	<b>Philips Respironics COPD - enrollment open</b> Determination of the Prevalence and Severity of Expiratory Flow Limitation in Chronic Obstructive Pulmonary Disease patients	2/2018	Philips	\$7,500	Pt count: 47
Seeram	<b>TENTON - RIN-PF-301 –wrapping up contract with ORA</b> A Randomized, Double-blind, Placebo-controlled, Phase 3 Study of the Efficacy and Safety of Inhaled Treprostinil in Subjects with Idiopathic Pulmonary Fibrosis	1/2021	United Therapeutics	\$23,600	
Cury	<b>Tobacco Heating System – on hold until ?</b>	1/2020	Icon	N/A	

Mirsaeidi	BI 1291853. A Randomised, Double-blind, Placebo-controlled, Parallel Group, Dose-finding Study Evaluating Efficacy, Safety and Tolerability of BI 1291583 qd Over at Least 24 Weeks in Patients With Bronchiectasis (Airleaf™)	3/2022-Present	Boehringer Ingelheim	
Mirsaeidi	OP-101-004. A Study to Evaluate OP-101 (Dendrimer N-acetyl-cysteine) in Severe Coronavirus Disease 2019 (COVID-19) Patients (PRANA)	8/2020-8/12022	Ashvattha Therapeutics, Inc.	\$17,405
Mirsaeidi	PTK0796-NTM-20203. Oral Omadacycline vs. Placebo in Adults With NTM Pulmonary Disease Caused by Mycobacterium Abscessus Complex (MABc)	10/2021-Present	Paratek Pharmaceuticals	\$21,580.00
Mirsaeidi	COVID19 study		Vascome Therapeutics	\$31,398.90
Mirsaeidi	Oberon. Efficacy and Safety of Tozorakimab in Symptomatic Chronic Obstructive Pulmonary Disease With a History of Exacerbations	1/2022-Present	AstraZeneca	
Mirsaeidi	EBO, A Phase 2/3, Randomized, Double-blind, Placebo-controlled, Multicenter, Prospective Study to Assess the Efficacy, Safety, and Pharmacokinetics of Orally Administered Epetraborole in Patients With Treatment-refractory Mycobacterium Avium Complex Lung Disease	5/2022-Present	AN2 Therapeutics	

**DIVISION OF RHEUMATOLOGY AND CLINICAL IMMUNOLOGY**  
ACADEMIC YEAR 2022 (7/21 - 6/22)

### Highlights

The Division of Rheumatology and Clinical Immunology had a successful and productive academic year on multiple levels. We have seen some of the fruits of our dedication to the University of Florida College of Medicine–Jacksonville (UFCOM-J) mission. The Division had significant accomplishments in patient care, research and education.

The Division continues to work with other training programs and the GME office at UFCOM-J in order to provide mentoring and teaching for many students and residents who are interested in our specialty. The current Rheumatology fellowship started in July 2018. Our latest graduate, Dr Sukhraj Singh completed his fellowship in June 2022 and started private practice in Orlando, Florida. The Division has continued to be active in virtual ultrasound educational activities at the national and international level.

The backbone to our success is the loyal and hardworking staff at our clinics, hospital and administrative offices. During the COVID pandemic, faculty, fellows, clinic and administrative staff worked hard to rapidly adapt to virtual visit practices to allow continuity of care of patients. We are pleased to announce that Dr Karishma Ramsubeik was granted promotion to Clinical Associate Professor of Medicine from July 2022.

**Patient care:** Despite the challenges posed by COVID 19, the Division increased clinical volume for the academic year. Patient encounters include, but are not limited to, many types of arthritis, lupus, scleroderma, myositis, autoimmune and systemic diseases, osteoporosis, connective tissue diseases related to inflammation and metabolic dysfunction, soft tissue conditions and pain such as fibromyalgia. We continue to be on the forefront of providing very up to date rheumatology services and 24/7 consultations at UF Health Jacksonville Main Campus and UF North Campus, the Ambulatory Care Clinic and our dedicated outpatient clinic on Emerson Street. The Division also provides musculoskeletal ultrasound services related to rheumatologic care both for inpatient and outpatient settings.

In the outpatient setting, we provide full rheumatology coverage from Monday through Friday, where we provide diagnostic musculoskeletal ultrasound and musculoskeletal procedures under ultrasound guidance.

Excellence is our only goal when it comes to patient care. Our faculty members achieved or exceeded the average in our specialty and in comparison to others at our institution. We touch our patients' lives during some of the most vulnerable moments they will ever encounter alone or with their loved ones. As physicians of the UFCOM-J, we always strive for excellence in our practice.

**Education:** Education is one of the main missions at the UFCOM-J. Our faculty members have been very dedicated and creative in delivering the best of what they can offer to our students and residents. Our achievements in education were highlighted in multiple venues and the rheumatology fellowship program was a major cornerstone in the growth and development of our academic program. The Division has successfully attained fellowship accreditation starting in July 2018. The fellowship provides a strong clinical focus as well as many opportunities in clinical research, quality improvement as well as musculoskeletal ultrasound.

In the educational program of the University of Florida medical students and residents, Dr. Ramrattan, Dr. Thway, Dr. Ramsubeik and Dr. Kaeley participated in precepting clinics in rheumatology and delivered core curriculum lectures for the Internal Medicine Residency Program. Faculty members participated in internal medicine Grand Rounds and shared the knowledge as invited rheumatology speakers on a regular basis.

The division has remained active in virtual education at the national and international level especially in musculoskeletal ultrasound. These efforts have included presentations at national and international meetings as well as creation of training videos to be used on an international level.

E-Learning is an entrepreneur unique project that was pioneered by Dr. Kaeley. The aim of this project is to develop electronic learning content to cover basic Rheumatology Core Curriculum, as well as musculoskeletal ultrasound training material. Dr. Kaeley has successfully deployed Canvas to enable enhancement and deep learning with the fellowship program. The division has also undertaken novel organizational tools such as Trello to improve efficiency.

**Research:** The Division has been growing its research enterprise and has two research coordinators. Although the Division is active in numerous pharmaceutical trials, its emphasis is to develop investigator-initiated trials as well as to seek grants. The division has a strong quality improvement program. The Division has collaborated with multiple national renowned researchers. The Division continues to collaborate with the University of California, Los Angeles Division of Rheumatology in a bi-center prospective trial of Tocilizumab in Rheumatoid Arthritis, utilizing Power Doppler as a secondary outcome measure. In addition, the Division has collaborations with the Women's Hospital, Toronto as well as University of Ottawa as part of an international effort to develop a musculoskeletal ultrasound enthesitis diagnostic tool. The Division has also been evaluating Medicare Expenditures for Musculoskeletal Ultrasound as well as drug utilization. The division had multiple poster presentations at the American College of Rheumatology virtual convergence meeting as well the EULAR (European League against Rheumatism) virtual meeting.

#### LISTING OF FACULTY MEMBERS



**Gurjit S Kaeley, M.B.B.S., Professor and Chief**

Medical School	The London Hospital Medical College, London, UK
Internship/residency	University of Tennessee College of Medicine
Subspecialty training	University of Tennessee College of Medicine



**Laurie A. Ramrattan, M.B.B.S., Assistant Professor**

Medical School	University of West Indies
Internship/residency	University of Florida College of Medicine-Jacksonville
Subspecialty training	University of Florida College of Medicine-Jacksonville



**Karishma Ramsubeik, M.D., Assistant Professor**

Medical School	University of West Indies
Internship/residency	University of Florida College of Medicine-Jacksonville
Subspecialty training	Jackson Health System, Miami FL (Geriatrics)
Subspecialty training	University of Wisconsin (Rheumatology)



**Myint Thway, M.D., Assistant Professor**

Medical School	Institute of Medicine, Yangon, Myanmar
Internship/residency	Lutheran Medical Center, New York
Subspecialty training	University of Miami, Miller School of Medicine

#### PUBLICATIONS

#### Manuscripts:

Aydin SZ, Eder L, **Kaeley GS**. Toward a Sonographic Composite Index for Diagnosis in Psoriatic Arthritis: Highlights From the GRAPPA Ultrasound Workshop. *J Rheumatol*. 2022 Mar 15;jrheum.211339. doi: 10.3899/jrheum.211339. Epub ahead of print. PMID: 35293334.

Strand V, **Kaeley GS**, Bergman MJ, Gladman DD, Coates LC, Sherif B, et al. The effect of secukinumab on patient-reported outcomes in patients with active psoriatic arthritis in a randomised phase 3 trial. *The Lancet Rheumatology [Internet]*. 2022 Feb 1

Oye M, Ali AA, Wasserman PL, **Kaeley GS, Thway M**. Manubriosternal Joint Involvement as a Presenting Feature of Axial Spondyloarthritis. *Cureus*. 2021 Dec 20;13(12):e20527. doi: 10.7759/cureus.20527. PMID: 35070561; PMCID: PMC8767439.

Kaler J, **Ramsubeik K**. Cobra-Like Tophi of the Second Distal Interphalangeal Joint. *J Clin Rheumatol*. 2021 Dec 1;27(8S):S745-S746. doi: 0.1097/RHU.0000000000001517. PMID: 32826656.

Kaler J, **Kaeley GS**. Secukinumab-Induced Lupus Erythematosus: A Case Report and Literature Review. *J Clin Rheumatol*. 2021 Dec 1;27(8S):S753-S754. doi: 10.1097/RHU.0000000000001511. PMID: 32815907

Morris NT, Brook J, Ben-Artzi A, Martin W, Kermani TA, Avedikian-Tatosyan L, Karpouzas G, Nagam H, Navarro G, Choi S, Taylor MB, Elashoff D, **Kaeley GS**, Ranganath VK. Doppler ultrasound impacts response to intravenous tocilizumab in rheumatoid arthritis patients. *Clin Rheumatol*. 2021 Dec;40(12):5055-5065. doi: 10.1007/s10067-021-05857-7. Epub 2021 Jul 16. PMID: 34269927.

**Ramrattan LA**, Masri G, **Kaeley GS**. Musculoskeletal Ultrasound Diagnosis of Symptomatic Hoffa's Fat Pad Ganglion Cyst Successfully Managed Nonoperatively: A Case Report. *Cureus*. 2021 Oct 11;13(10):e18665. doi: 10.7759/cureus.18665. PMID: 34790445; PMCID: PMC8588904.

**Kaeley GS**, Eder L, Aydin SZ, Rich P, Bakewell CJ. Nail Psoriasis: Diagnosis, Assessment, Treatment Options, and Unmet Clinical Needs. *J Rheumatol*. 2021 Aug;48(8):1208-1220. doi: 10.3899/jrheum.201471. Epub 2021 Feb 15. PMID: 33589557

Vega-Fernandez P, Ting TV, Oberle EJ, McCracken C, Figueroa J, Altaye M, Cassidy A, **Kaeley GS**, Roth J; CARRA Musculoskeletal Ultrasound Workgroup. The MUSICAL pediatric ultrasound examination - a comprehensive, reliable, time efficient assessment of synovitis. *Arthritis Care Res (Hoboken)*. 2021 Jul 30;10.1002/acr.24759. doi: 10.1002/acr.24759. Epub ahead of print. PMID: 34328679; PMCID: PMC8800943.

Singh S, Sheffield S, Chowdhury N, Nuthulaganti S, Vaghaiwalla Z, **Ramsubeik K**. Utilization of Rituximab for Refractory Rowell Syndrome. *Case Rep Rheumatol*. 2021 Jul 29;2021:2727382. doi: 10.1155/2021/2727382. PMID: 34367710; PMCID: PMC8342167.

Bandikatla S, Maharaj S, Dadlani A, **Ramsubeik K**, Rojan A. Thrombosis secondary to protein-losing enteropathy (PLE): A case report and review. *Thrombosis Update*. Volume 3. 2021; 100050, ISSN 2666-5727

#### Book Chapters:

**Kaeley, G.S.** (2021). Ultrasound in Psoriatic Arthritis. In: Kohler, M.J. (eds) *Musculoskeletal Ultrasound in Rheumatology Review*. Springer, Cham. [https://doi.org/10.1007/978-3-030-73555-5\\_12](https://doi.org/10.1007/978-3-030-73555-5_12)

Nishio, M.J., **Kaeley, G.S.** (2021). Ultrasound of the Shoulder. In: Kohler, M.J. (eds) *Musculoskeletal Ultrasound in Rheumatology Review*. Springer, Cham. [https://doi.org/10.1007/978-3-030-73555-5\\_5](https://doi.org/10.1007/978-3-030-73555-5_5)

#### Books:

Ben-Artzi A, **Kaeley GS**, Ranganath VK. Ultrasound Scoring of Joint Synovitis: Objective Quantification of Articular Inflammation [Internet]. Cham: Springer International Publishing; 2021 [cited 2021 Jul 5]. Available from: <http://link.springer.com/10.1007/978-3-030-43272-0>

**Electronic Publication Monographs:**

Kaeley GS, Sibel Aydin, Johannes Roth. Canadian Rheumatology Ultrasound Society (CRUS) Ultrasonography Guide Volume 4: Crystal Arthropathies. July 2021 <https://crus-surc.ca/educational-resources/>

**Web Based Electronic Learning Content:**

October 2020 - Present: Editor-in-Chief Dr. Earl Silverman speaks with the team behind the paper Imaging Techniques: Options for the Diagnosis and Monitoring of Treatment of Enthesitis in Psoriatic Arthritis. Catherine Bakewell, Sibel Zehra Aydin, Veena K. Ranganath (absent), Lihi Eder and **Gurjit S. Kaeley** discuss the importance of early identification and treatment of enthesitis in patients with PsA. Full paper: <https://doi.org/10.3899/jrheum.190512> [https://www.youtube.com/watch?v=YhGqIBpbPi8&feature=emb\\_logo](https://www.youtube.com/watch?v=YhGqIBpbPi8&feature=emb_logo).

August 2020 - Present: Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA) musculoskeletal ultrasound videos:

- Kaeley, GS.** Ultrasound of Dorsal Wrist Joints
- Kaeley, GS.** Screening for Dorsal Tenosynovitis
- Kaeley, GS.** Evaluating the Volar Finger for Tenosynovitis
- Kaeley, GS.** Evaluating Dorsal Knee Recesses
- Kaeley, GS.** Dorsal Toe Synovitis Evaluation

March 2020 - Present: Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA) Enthesis Ultrasound Training Videos. Eder L, Aydin SZ, **Kaeley, GS.** Illustrations Roth J. <https://www.grappanetwork.org/ultrasound> Site contains seven training videos.

UF Canvas Electronic Learning Management System for Rheumatology Fellowship:

2015 – Present: **Kaeley GS,** Sonography of Psoriatic Arthritis. (Module for Ultrasound School for North American Rheumatologists): <https://vimeo.com/user19386467/review/145809370/90b8109dc7>

2013 – Present: **Kaeley GS,** Rheumatology Fellowship Learning Management System. Design, implementation of a learning management system for UFCOM-J Rheumatology Fellows. (<https://ufcomed.instructure.com/courses/67>).

**Abstracts Presented:**

Singh S, Choudhry N, **Thway M, Kaeley G.** Cardiac toxicity in Hydroxychloroquine in Systemic Lupus Erythematosus patients with Chronic Kidney Disease Stage 3-5. Accepted for Oral Presentation at North American Young Rheumatology Investigator Forum (NYRIF) at Congress of Clinical Rheumatology. 2022. May 11.

**Kaeley G,** Schett G, Conaghan P, McGonagle D, Behrens F, Goupille P, Gaillez C, Parikh B, Meng X, Bakewell C. Enthesitis in Patients With Psoriatic Arthritis Treated With Secukinumab or Adalimumab: a Post Hoc Analysis of EXCEED. 2022 American Academy of Dermatology Annual Meeting; March 25-29, 2022; Boston, MA.

Kahn C, Singh S, Mathew R, Mohammad I, Omman R, **Ramrattan L.** Nonuremic Calciphylaxis, a complication of prolonged glucocorticoid use in Systemic Lupus Erythematosus. Oral Presentation at: American Federation of Medical Research. 2022 Feb 1.

**Kaeley GS,** Schett G, Conaghan PG, et al. Enthesitis in patients with psoriatic arthritis treated with secukinumab or adalimumab: a post hoc analysis of EXCEED. Poster presented at: The AWIR 2021 Annual Conference; August 12-15, 2021; Hilton Head, SC.

**Kaeley G,** Schett G, Conaghan P, McGonagle D, Behrens F, Goupille P, Gaillez C, Parikh B, Meng X, Bakewell C. Secukinumab Treatment Provides Sustained Resolution of Enthesitis at Individual Joints Through 52 Weeks in a Phase 3b, Double-Blind, Randomized, Active-Controlled Study [abstract]. Arthritis Rheumatol. 2021; 73 (suppl 10).

Vaghaiwalla Z, Wasserman P, **Kaeley G.** Study of Vertebral and Femur Fracture Prevalence and Scanographic Bone Attenuation Coefficient of the First Lumbar Vertebra in an Academic Hospital Setting [abstract]. Arthritis Rheumatol. 2021; 73 (suppl 10).

**Ramrattan LA,** Vaghaiwalla Z, Singh S, **Ramsubeik K, Thway M, Kaeley G.** AB0119. Discordance of RAPID3 and CDAI in Rheumatoid Arthritis. Annals of Rheumatic disease. 2021; 80: 1088-1089

**Activities and Presentations:**

**Kaeley, G.S.** Sonography of the shoulder. Virtual Meeting, UF-COM-J Orthopedic Physical Therapy Group. May 2022.

**Kaeley, G.S.** Sonography and sonopathology of the shoulder. Virtual Meeting, DC Rheumatism Society. May 2022.

**Kaeley, G.S.** Sonographic Needle Guidance of Foot and Ankle. Clinical Applications: Ultrasound for Rheumatoid Arthritis, Psoriatic Arthritis and other Musculoskeletal Diseases. April 2022. Columbus, Ohio.

**Kaeley, G.S.** Faculty for hands on instruction of diagnostic and interventional procedures. Clinical Applications: Ultrasound for Rheumatoid Arthritis, Psoriatic Arthritis and other Musculoskeletal Diseases. April 2022. Columbus, Ohio.

**Kaeley, G.S.** Review of Scoring Systems in RA and proposal of a new sonographic scoring system. Virtual Lecture. 5th Annual Updates in Rheumatology Grand Rounds Series: USSONAR Gives you a Hand. April 2022.

**Kaeley, G.S.** Ultrasound of Lateral Wrist Pain. Advanced Topics for Ultrasound in Rheumatology and Musculoskeletal Medicine. NYU Langone Virtual Course. March 2022.

**Kaeley, G.S.** Sonography of Psoriatic Arthritis – much more than just synovitis! American College of Rheumatology Virtual Rheumatology Teaching Lessons. February 2022.

**Kaeley, G.S.** Current Status of Sonography in Rheumatoid Arthritis. USSONAR Virtual Fundamentals Course. January 2022.

**Kaeley, G.S.** Enthesis ultrasound scanning techniques & discussing the common pitfalls. Grappa-duet study update virtual meeting. January 2022.

**Kaeley, G.S.** Sonography of the Hip Focus on Anterior and Lateral Scans. Canadian Rheumatology Ultrasound Society Virtual Train the Trainer Course. October 2021.

**Kaeley, G.S.** Review of Scoring Systems in RA and proposal of a new sonographic scoring system. (CRUS) Canadian Rheumatology Ultrasound Society Virtual Advanced Course. October 2021

**Kaeley, G.S.** Current Status of Sonography of Rheumatoid Arthritis. University of Florida Division of Rheumatology, Gainesville Virtual Grand rounds. August 2021.

**CLINICAL ACTIVITIES**

	<b>AY 20/21</b>
<b>Inpatient Activity</b>	
Initial Inpatient Encounters	135
<b>Outpatient Activity</b>	
Clinic Visits	7329
US, extremity, nonvascular	576



**CONTRACTS AND GRANTS**

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Kaeley, G	Phase 3B/4 Randomized Safety Endpoint Study Of 2 Doses Of Tofacitinib In Comparison To A Tumor Necrosis Factor (TNF) Inhibitor In Subjects With Rheumatoid Arthritis	7/5/14 - 2021	Pfizer	\$79,783.20
Kaeley, G	Phase 2 Study, Multicenter, Open-Label Extension (OLE) Study in Rheumatoid Arthritis Subjects Who Have Completed a Preceding Phase 2 Randomized Controlled Trial (RCT) with ABT-494	10/22/14 - 2022	AbbVie	\$318,649.29
Kaeley, G	A Multicenter, Double-blind, Long Term Extension Study to Assess the Safety and Efficacy of Filgotinib in Subjects with Rheumatoid Arthritis (FINCH-4)	4/12/18 - Present	Gilead	\$288,920.00
Kaeley, G	A 52-week, phase 3, multicentre, randomised, double blind, efficacy and safety study comparing GSK3196165 with placebo and with tofacitinib, in combination with methotrexate in participants with moderately to severely active rheumatoid arthritis who have an inadequate response to methotrexate.	10/24/19 - 2021	GSK	\$120,605
Kaeley, G	A 24-week, phase 3, multicentre, randomised, double-blind, efficacy and safety study, comparing GSK3196165 with placebo and with sarilumab, in combination with conventional synthetic DMARDs, in participants with moderately to severely active rheumatoid arthritis who have an inadequate response to biological DMARDs and/or Janus Kinase inhibitors.	1/30/20 - Present	GSK	\$77,610
Kaeley, G	209564 :A multi-centre long-term extension study to assess the safety and efficacy of GSK3196165 in the treatment of rheumatoid arthritis.	10/23/20 - Present	GSK	\$235,435
Kaeley, G	The Diagnostic Ultrasound Enthesitis Tool (DUET) Study	10/23/20 – Present	GRAPPA	\$15,000
Kaeley, G	A Randomized, Placebo-controlled, Double-blind, Multicenter Study to Assess the Efficacy and Safety of Nipocalimab in Adults with Primary Sjogren's Syndrome (pSS)	10/28/21-present	Janssen	\$591,046
Kaeley, G	A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of ABBV-154 in Subjects with Moderately to Severely Active Rheumatoid Arthritis with Inadequate Response to Biologic and/or Targeted Synthetic Disease-Modifying Anti-Rheumatic Drugs (b/tsDMARDs)	11/10/21-Present	AbbVie	\$1,978,440

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