

DEPARTMENT OF MEDICINE

ANNUAL REPORT

2017-2018



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STATEMENT FROM THE CHAIR
ACADEMIC YEAR 2018 (7/17 - 6/18)

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 2017 through June 2018. I will briefly describe the departmental accomplishments in our tripartite mission of excellence in patient care, education and research.

Patient care: Clinical volumes in all specialties continued to increase with up to 30% of our referrals coming from the community non-UF affiliated physicians. The Departmental fiscal bottom-line finished the year with \$449,080 ahead of the budget. The access to our specialties improved significantly with the recruitment of additionally talented faculty. Three areas of patient care namely, Heart failure, Nephrology and Diabetes were recognized nationally as high-performing.

Education: The Department continues to excel in its mission of educating students and residents. There were unprecedented 19 faculty members in the Department who received the Exemplary Teacher Award. In addition, several faculty members and trainees in the Department of Medicine received key education awards. Dr. Win M. Aung was the recipient of College of Medicine Excellence in Student Education Award, Dr. Grant Nelson was the recipient of the Edward Jelks Outstanding Resident Clinician Award and Dr. Bashar Al- Turk and Dr. John Hartwell Houston Mooney received the Louis S. Russo Award for Outstanding Professionalism in Medicine. Continuing Medical Education (CME) initiatives were offered by all the Divisions within the Department including a highly successful Internal Medicine Review symposium, annual Heart Health in Women symposium, annual Nephrology symposium and the nationally recognized musculoskeletal ultrasound course.

Research: The Department once again had a productive year in research. There were a total of 120 peer reviewed publications, 7 monographs and book chapters and 3 electronic web based scholarly outputs. Faculty made 119 national and regional presentations. During the academic year 2018, we had 61 research awards and the research funding increased by 49%. The scholarly productivity of the house staff remained high with 35% of all the presentations at the Annual Research Day were made by the residents and fellows within the Department.

Overall, the Department once again excelled in every aspect of the academic mission. I am proud and humbled to have the privilege of serving as the Chair of such an exceptionally productive Department.

Sincerely,

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

DEPARTMENT ORGANIZATIONAL OVERVIEW
ACADEMIC YEAR 2018 (7/17 - 6/18)

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.

Program Director, Internal Medicine Residency and Associate Chair, Department of Medicine

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

Associate Program Director, Internal Medicine Residency and Director, Medical Student Clerkship

Elisa Sottile, M.D.

Associate Program Director, Internal Medicine Residency

Michael Haas, Ph.D.

Director of Research

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

Director

DIVISION CHIEFS

Cardiology

Theodore Bass, M.D.

Endocrinology, Diabetes and Metabolism

Kent R. Wehmeier, M.D.

Gastroenterology

Silvio de Melo, Jr., M.D. (Interim)

General Internal Medicine

Linda R. Edwards, M.D.

Hematology and Medical Oncology

Fauzia Rana, M.D.

Infectious Disease

Michael Sands, M.D., M.P.H. & T.M.

Nephrology and Hypertension

Charles Heilig, M.D.

Pulmonary, Critical Care and Sleep Medicine

Lisa Jones, M.D.

Rheumatology and Clinical Immunology

Gurjit Kaeley, M.D.

RESIDENTS/FELLOWS**Chief Residents**

Jeffrey Winder, DO
Lauren Stemboroski, DO

Housestaff I

Belinda Bajric, DO
Michael Carranza, DO
Nancy Davison, DO
Ansuya Deosaran, MD
Charles Jacobs, MD
Sonal Jadeja, DO, MS
Joshua Lung, DO
Maria Del Mar Morales Hernandez, MD
Brian Nguyen, DO
Catarina Nolan Ruas Rego Canha, MD
Hamel Patel, DO
Rhunit Patel, DO
Jose Rivas Rios, MD
John Robinson, MD
Zachery Rosensweet, DO
Patrisha Shelley, DO
Jorge Verdecia, MD
Firas Warda, MD
Unnati Wardan, DO
Ashley Thomas, MD

Housestaff II

Rami Bahloul, MD, MS
Cherisse Baldeo, MD
Zachary Burden, MD
Jeremy Carlson, MD
Kevin Green, MD
Jarelys Hernandez Jimenez, MD
Cody Horn, DO
Satish Maharaj, MD
Anna McCarthy, MD, MPH
Jose Ruiz Morales, MD
Karan Seegobin, MD
Ivan Serrano Santiago, MD
Peter Staiano, DO
Ashley Thomas, MD

Housestaff III

Bashar Al-Turk, DO
Emma Bueno, MD
Mario Cisneros, DO
Maria Gutierrez, MD
Ciel Harris, MD
Brittany Lyons, DO
Grant Nelson, DO
Pujan Patel, MD
Julio Perez-Downes, DO
Aaron Richardson, MD
Keyrillos Rizg, MD
Stuart Shah, MD
Scott Steinberg, MD
Jorge Trabanco, MD

Medical School

Lake Erie College of Osteopathic Medicine, Bradenton
Lake Erie College of Osteopathic Medicine, Bradenton

Medical School

Lake Erie College of Osteopathic Medicine, Bradenton
Nova Southeastern University College of Osteopathic Medicine
Lake Erie College of Osteopathic Medicine, Bradenton
University of Florida College of Medicine
University of Central Florida College of Medicine
Lake Erie College of Osteopathic Medicine, Bradenton
Lake Erie College of Osteopathic Medicine, Bradenton
Ponce School of Medicine and Health Sciences
Alabama College of Osteopathic Medicine
Universitat de Barcelona Facultat de Medicina
Lake Erie College of Osteopathic Medicine, Bradenton
Lake Erie College of Osteopathic Medicine, Bradenton
Universidad del Zulia Facultad de Medicina
Medical University of South Carolina
Rocky Vista University College of Osteopathic Medicine
Edward Via College of Osteopathic Medicine, Virginia Campus
Ross University School of Medicine
St. George's University School of Medicine
Des Moines University College of Osteopathic Medicine
St. George's University School of Medicine

Medical School

Saba University School of Medicine
Royal College of Surgeons in Ireland School of Medicine
USF Health Morsani College of Medicine
Ross University School of Medicine
Ross University School of Medicine
San Juan Bautista Escuela de Medicina
Ohio University Heritage College of Osteopathic Medicine
University of the West Indies Faculty of Medicine, Trinidad & Tobago
St. George's University School of Medicine
Universidad Central del Caribe School of Medicine
University of the West Indies Faculty of Medicine, Trinidad & Tobago
Universidad Central del Caribe School of Medicine
Edward Via College of Osteopathic Medicine, Virginia Campus
St. George's University School of Medicine

Medical School

Lake Erie College of Osteopathic Medicine, Bradenton
Mercer University School of Medicine
Edward Via College of Osteopathic Medicine, Carolinas Campus
Ross University School of Medicine
University of the West Indies, Barbados Faculty of Medical Sciences
Philadelphia College of Osteopathic Medicine
Edward Via College of Osteopathic Medicine, Carolinas Campus
Medical University of Lublin
Lake Erie College of Osteopathic Medicine, Bradenton
Edward Via College of Osteopathic Medicine, Virginia Campus
Ross University School of Medicine
Ross University School of Medicine
Ross University School of Medicine
Ross University School of Medicine

Subspecialty Fellowship Programs

Clinical Cardiac Electrophysiology (CCEP)
 Cardiology
 Endocrinology
 Gastroenterology
 Interventional Cardiology
 Infectious Disease
 Medical Oncology
 Nephrology
 Pulmonary Critical Care

Subspecialty Fellow – Housestaff IV

Steve Antoine, MD - Cardiology
 Prabhjot Bhinder, MD – Medical Oncology
 Priyanka Bikkina, MD - Endocrinology
 Allen Brown, MD - Cardiology
 W. Russ Cullinane, DO – Pulmonary Critical Care
 Khadeeja Esmail, MD - Cardiology
 Kerolos Fahmi, MD - Cardiology
 Maedeh Ganji, MD, MBA - Cardiology
 Marie Angelica Landicho, MD - Endocrinology
 Valery Muenyi, MD - Gastroenterology
 Ammar Nassri, MD - Gastroenterology
 W. Taylor Palfrey Jr, MD - Pulmonary Critical Care
 Virin Ramoutar, MD – Nephrology
 Sarah Suliman, MD – Nephrology
 Chinelo Udemgba, MD - Cardiology
 JainiJatin Shah, MD - Cardiology

Subspecialty Fellow – Housestaff V

Tracy Ashby, DO - Pulmonary Critical Care
 Edilberto Benitez, MD - Cardiology
 Kui-Tzu Feng, MD - Endocrinology
 Andre Fialho, MD - Gastroenterology
 Andrea Fialho, MD - Gastroenterology
 Bharatsinh Gharia, MD - Medical Oncology
 Priscilla Givens, MD - Cardiology
 Krista Gonzales, MD - Endocrinology
 John Khuu, MD – Medical Oncology
 Sanjay Lulla, DO - Cardiology
 Nimeh Najjar, MD - Pulmonary Critical Care
 Wesam Ostwani, MD - Cardiology
 Happy Sadiq, MD - Nephrology
 JainiJatin Shah, MD - Cardiology
 Asim Shuja, MD - Gastroenterology

Subspecialty Fellow – Housestaff VI

Joshua Anderson, MD - Gastroenterology
 Amit Babbar, MD - Pulmonary Critical Care
 Jason Bellardini, MD – Pulmonary Critical Care
 Emilio Garcia, MD - Cardiology
 Saif Ibrahim, MD - Cardiology
 Victor Kairouz, MD - Cardiology
 Joshua Levine, MD - Cardiology
 John Mooney, MD - Cardiology
 Asim Shuja, MD - Gastroenterology
 Dmitry Yaranov, MD – Cardiology

Subspecialty Fellow – Housestaff VII

Marc Kaufman, MD – Int. Cardiology
 Marshall Marcus, MD – CCEP
 Ramez Smairat, MD – Int. Cardiology
 Karthik Venkatesh Prasad, MD –Electrophysiology

Subspecialty Fellow – Housestaff VIII

Javier Acevedo Gonzalez, MD – CCEP

Program Director

Steven Hsu, MD
 Gladys Velarde, MD
 Kent Wehmeier, MD
 Silvio de Melo, Jr, MD
 Dominick Angiolillo, MD
 Michael Sands, MD
 Dat Pham, MD
 Charles Heilig, MD
 J. Davis Cury, MD

Medical School

American University of the Caribbean School of Medicine
 Kilpauk Medical College
 American University of Antigua College of Medicine
 University of Tennessee Health Science Center College of Medicine
 William Carey University College of Osteopathic Medicine
 Ross University School of Medicine
 USF Health Morsani College of Medicine
 St. Matthew's University School of Medicine
 University of Santo Tomas Faculty of Medicine and Surgery
 Meharry Medical College School of Medicine
 Royal College of Surgeons in Ireland - Medical University of Bahrain
 Ross University School of Medicine
 University of the West Indies School of Medicine, Trinidad & Tobago
 University of Khartoum Faculty of Medicine
 University of Mississippi School of Medicine
 Pramukhswami Medical College

Medical School

Debusk College of Osteopathic Medicine
 FIU Herbert Wertheim College of Medicine
 Boston University School of Medicine
 Universidade Federal do Ceará (UFC) Faculdade de Medicina
 Universidade Federal do Ceará (UFC) Faculdade de Medicina
 Smt. N.H.L. Municipal Medical College
 USF Health Morsani College of Medicine
 Ross University School of Medicine
 University of Toledo College of Medicine
 University of N Texas HSC, Texas College of Osteopathic Medicine
 Ross University School of Medicine
 University of Damascus Faculty of Medicine
 Assiut University Faculty of Medicine
 Pramukhswami Medical College
 Khyber Medical College

Medical School

University of Miami Miller School of Medicine
 St. George's University School of Medicine
 American University of Antigua
 University of Texas Medical Branch School of Medicine
 Al-Nahrain University College of Medicine
 Université Saint Esprit de Kaslik Faculté de Médecine
 University at Buffalo School of Medicine and Biomedical Sciences
 University of South Carolina School of Medicine
 Khyber Medical College
 Samara State Medical University

Medical School

USF Health Morsani College of Medicine
 Sackler School of Medicine
 University of Jordan Faculty of Medicine
 J.J.M. Medical College, Davangere

Medical School

Ross University School of Medicine

GRADUATE MEDICAL EDUCATION
ACADEMIC YEAR 2018 (7/17 - 6/18)**Highlights**

The graduate medical education programs continued to have growth and development over the 2017-18 academic year. Some divisions began work on new programs, some resolved previous difficulties, and others began adding new academic opportunities. The fellowships continue to produce high quality physicians who have now gone out to serve communities abroad. In fact, with the most recent graduating class, the pulmonary/critical care program has now a graduate practice in every major hospital in the Jacksonville area. The core residency program continues to graduate clinicians that serve our local community or move on to fellowship education.

This past year, the core program and fellowships began the Self-Study process for reaccreditation for the ACGME. The foundation for this process was to develop aims, or key expectations for the program. This may include aspects of the program that differentiate from other programs. The programs are also responsible for conducting a strategic assessment of the program, focusing on strengths, opportunities, areas for improvement, and threats. The aims for the internal medicine residency are listed below:

- Produce competent, independent practicing internists, who have the ability to comprehensively care for patients in both inpatient and outpatient setting
- Prepare residents to be competitive applicants for fellowship, and 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 for the medically underserved.
- Develop socially well-adjusted residents through a programmatic focus on physician well-being. The intent being that emotionally healthy physicians will be more resilient and able to deliver the best care to our community.

The residency graduating class of 2018 was quite diverse in their destinations following graduation. Eight of our graduates have sought fellowship training in various specialties, including cardiology, pulmonary/critical care, gastroenterology, and nephrology. Although some of the graduates pursued fellowships at other institutions, six residents are staying in Jacksonville for fellowship. Other graduates have pursued hospital medicine in the local area and one moved to his home state of Alabama for an academic hospitalist position. The program continues to recruit two administrative chief residents, and this trend continued with the hiring of Drs. Bashar Al-Turk and Julio Perez-Downes. Lastly, this year was unique in that two of our graduates, Drs. Brittany Lyons and Maria Gutierrez, have both taken roles in primary care medicine in the Department of Medicine. We are excited to have them join us and look forward to their contributions to the department.

The core program continued to work on correcting the 2015 ABIM setback. The class of 2017 took another step in the right direction with a 92% pass rate. This brings the ABIM three year rolling average to 83%, which is more in line with the national average. The program looks to improve upon this mark and expects to be above the national average with its most recent graduating class.

The leadership within the residency program remained stable for the past academic year. Drs. Jeff Winder and Lauren Stemboroski continued the tradition of strong Chief Resident teaching and leadership. They continued to build on the strong foundation from their predecessors. This year was the first full year

having Dr. Elisa Sottile as Associate Program Director. She continued with her focus on curriculum and mentorship, but also addressed a critical need in Faculty Development. As in previous years, the program continues to excel thanks to Dr. Carlos Palacio. His contributions to the program, with a focus on clerkship and research, are high quality, professional, and are major factors in the program's success. He maintained his position as clerkship director and therefore oversees the student experience within the department. As the program becomes more popular with students from other schools, Dr. Palacio has many opportunities with student education.

As in years past, the Department of Medicine had a plethora of faculty receiving Exemplary Teacher Awards. A remarkable 18 faculty were recipients this year: Drs. Joe Chegade, J. Davis Cury, Linda Edwards, Francesco Franchi, Gunjan Gandhi, Michael Haas, Jason Hew, Steve Hsu, Lisa Jones, Leighton James, Mariam Louis, Ronald Mars, Ghania Masri, Alan Miller, Robert Percy, Vandana Seeram, Elisa Sottile, Lara Zuberi. Dr. Win M. Aung was the recipient of College of Medicine Excellence in Student Education Award, Dr. Grant Nelson was the recipient of the Edward Jelks Outstanding Resident Clinician Award and Dr. Bashar Al-Turk and Dr. John Hartwell Houston Mooney received the Louis S. Russo Award for Outstanding Professionalism in Medicine. In addition, Dr. Brittany Lyons and Dr. Dmitry M. Yaranov were finalists for the Rosalie O. Saffos Outstanding Resident Teacher Award, Dr. Julio Perez-Downes was a finalist for the Ann Harwood- Nuss Resident Advocate Award and Dr. Dat Pham was a finalist for the faculty category of Louis S. Russo Award for Outstanding Professionalism in Medicine.

As has been the case in years past, residents and fellows were very active participants in this campus's annual Research day. Of the platform presentations, Dr. Krista Gonzales, fellow in the division of endocrinology, was the 5th place prize winner. Of the poster presentations, two cardiology fellows received the top prizes, Dr. Dmitry Yaranov won first place and Dr. Joshua Levine received second place, and Dr. Karan Seegobin, 2nd year resident achieved 6th place in the competition. Residents continued to present at several local, regional, and national conferences. The residents have been successful beyond just local research presentations. The likes of these include the Duval County Medical Society, Florida Chapter American College of Physicians Meetings (both spring and fall), American College of Cardiology, American Heart Association, American Federation for Medical Research Southern Region, Southern Hospital Medicine, American College of Chest Physicians, Digestive Disease Week, American Thoracic Society, and the American College of Gastroenterology annual meetings. Residents continue to impress in sheer volume of scholarly endeavors, producing 163 presentations, publications, abstracts, and grants, and have again eclipsed the year's previous accomplishment that had been the highest mark to date.

During this academic year, the internal medicine residency program continued to advance curricular changes. The newly established Quality Improvement/Patient safety rotation further evolved with the addition of more outpatient QI education and the addition of coding and documentation. This resulted in a minor increase in QI projects, particularly addressing outpatient parameters. The procedure rotation also changed slightly to increase the intern experience; with the ultimate goal of getting interns to the level of independence earlier in their training. Lastly, the ACGME is focused on addressing the health and wellbeing of its trainees. In turn, the core program began to make curricular additions to address resident wellness as well as assessment of residents at risk for burnout.

Student Education: Dr. Carlos Palacio continued to lead the clerkship experience for the Department of Medicine. Under his leadership, medical student clerkship has been a strength within the department. Students not only from University of Florida, but from outside institutions as well, continued to rate the training experience has one of high quality and a nurturing environment. This is true for not only the general medical experiences on the inpatient and outpatient settings, but also the subspecialty rotations. The department continues to grow in terms of the number of students coming from other medical schools to do elective rotations. These students rotate on internal medicine, inpatient cardiology, MICU, endocrinology, infectious disease, and nephrology. The program continues to have success in recruiting many of these students for residency.

LISTING OF PROGRAM LEADERSHIP



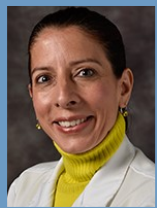
Jeff House, DO, Professor, Associate Chair of Education & Quality Improvement, and Program Director

Medical School / Graduation date	Nova Southeastern University
Rotating Internship	Broward General Hospital
Internship/residency and year	University of Florida Jacksonville



Carlos Palacio, MD, Professor, Associate Program Director, and Clerkship Director

Medical School / Graduation date	University of Miami
Internship/residency and year	University of Florida Jacksonville
Chief Medical Resident	University of Florida Jacksonville



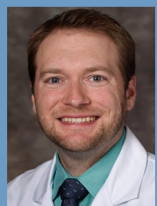
Elisa Sottile, MD, Assistant Professor and Associate Program Director

Medical School / Graduation date	Temple University School of Medicine
Internship/residency and year	Graduate Hospital, Philadelphia, PA
Chief Medical Resident	Graduate Hospital, Philadelphia, PA



Lauren N. Stemboroski, DO, Post-doctoral Associate and Chief Medical Resident

Medical School / Graduation date	Lake Erie College of Osteopathic Medicine
Internship/residency and year	University of Florida Jacksonville
Chief Medical Resident	University of Florida Jacksonville



Jeffrey W. Winder, DO, Post-doctoral Associate and Chief Medical Resident

Medical School / Graduation date	Lake Erie College of Osteopathic Medicine
Internship/residency and year	University of Florida Jacksonville
Chief Medical Resident	University of Florida Jacksonville

PUBLICATIONS

Sorted by category (published manuscripts, published abstracts, presentations and grants), and by year within each category. Residents are underlined.

Published manuscripts:

Hernandez Jimenez J, Vahdat K, Serrano Santiago I Santiago I, Morales Hernandez M, Isache C, Sands M. Thalamic bacterial abscess presenting with hemiparesis and expressive aphasia. *ID Cases*. 2018 June;13(e00417).

Maharaj S, Chang S, Seegobin K, Perez-Downes J, Zuberi L, Shaikh M. Dynamic right ventricular outflow tract obstruction from a pedunculated cardiac metastasis. *J Echocardiogr*. 2018. doi:10.1007/s12574-018-0379-3.

Ruiz Morales J-Morales J, Patel P, Ibrahim S, Miller A. Anterior myocardial pseudoinfarction in a patient with diabetic ketoacidosis. *J Geriatr Cardiol* 2018, 15(3).

Green K, Hernandez Jimenez J, Isache C, Jacob R. Avascular necrosis: a growing concern for the HIV population. *BMJ Case Rep* 2018. doi:10.1136/bcr-2017-221678.

Maharaj S, Seegobin K, Rollini F. Syncope in a middle-aged man. *Emerg Med J*. 2018. pii: emermed-2017-207381.

Ruiz Morales J-Morales J, Canha C, Al-Saffar F, Ibrahim S. Anterior myocardial pseudoinfarction in a patient with diabetic ketoacidosis. *J Geriatr Cardiol* 2018, 15(3).

Maharaj S, Seegobin K, Chrzanowski S, Chang S. Acute glomerulonephritis secondary to streptococcus anginosus. *BMJ Case Rep*. 2018 Mar 9;2018. PMID: 29523515.

Seegobin K, Maharaj S, Deosaran A, Reddy P. Severe beta blocker and calcium channel blocker overdose: Role of high dose insulin. *Am J Emerg Med*. 2018 Jan 10. PMID: 29331270.

Seegobin K, Khousakhoun S, Crooks R, Maharaj S, Baldeo C. Coexistent ipsilateral internal carotid artery occlusion and cerebral venous thrombosis in hepatitis c. *J Investig Med High Impact Case Rep*. 2018 Jan 9;6(1):2324709617750179. PMID: 29349091.

Maharaj S, Perez-Downes J, Seegobin K, Chang S. Consideration of atrial arrhythmias associated with cardiac tamponade and pericarditis. *Am J Emerg Med*. 2018 Feb;36(2):338. PMID: 28774768.

Maharaj S, Chang S, Seegobin K, Isache C. Paraneoplastic acral vascular syndrome. *Cleve Clin J Med*. 2018 Feb;85(2):101-102. PMID: 29425092

Shuja A, Guan J, Harris C, Alkhasawneh A, Malespin M, De Melo S. Intestinal schistosomiasis: a rare cause of abdominal pain and weight loss. *Cureus*. 2018 Jan 18;10(1):e2086. PMID: 29560299.

Al-Turk B, Harris C, Nelson G, Smotherman C, Palacio C, House J. Poverty, a risk factor overlooked: a cross-sectional cohort study comparing poverty rate and cardiovascular disease outcomes in the state of Florida. *J Investig Med*. 2018 Mar;66(3):693-695. PMID: 29330309.

Maharaj S, Chang S, Seegobin K, Abraham C. Enterococcal Empyema and trapped lung in systemic lupus erythematosus. *J Glob Infect Dis*. 2017 Oct-Dec;9(4):162-163. PMID: 29302153.

Baldeo C, Seegobin K, Zuberi L. Immune Thrombocytopenia as a Consequence of Rocky Mountain Spotted Fever. *Case Rep Oncol*. 2017 Oct 23;10(3):945-947. PMID: 29279696.

Gharia B, Seegobin K, Maharaj S, Marji N, Deutch A, Zuberi L. Letrozole-induced hepatitis with autoimmune features: a rare adverse drug reaction with review of the relevant literature. *Oxf Med Case Reports*. 2017 Nov 13;2017(11):omx074. PMID: 29230302.

Maharaj S, Seegobin K, Perez-Downes J, Bajric B, Chang S, Reddy P. Severe carvedilol toxicity without overdose - caution in cirrhosis. *Clin Hypertens.* 2017 Nov 30;23:25. PMID: 29214053.

Maharaj S, Seegobin K, Bajric B, Chang S. Myoclonus as a late manifestation of West Nile disease. *BMJ Case Rep.* 2017 Nov 23;2017. PMID: 29170190.

Seegobin K, Babbar A, Ferreira J, Lyons B, Cury J, Seeram V. A case of worsening pulmonary arterial hypertension and pleural effusions by bosutinib after prior treatment with dasatinib. *Pulm Circ.* 2017 Oct-Dec;7(4):808-812.

Seegobin K, Maharaj S, Baldeo C, Isache C, Gharia B, Zuberi L. Mycobacteria Bovis osteomyelitis following intravesical BCG for bladder cancer. *IDCases.* 2017 Sep 28;10:75-78. PMID: 29034173.

Seegobin K, Bueno E, Maharaj S, Ashby T, Brown M, Jones L. Toxic epidermal necrolysis after ivermectin. *Am J Emerg Med.* 2017 Sep 14. pii: S0735-6757(17)30745-3. PMID: 28927997.

Harris C, Stemboroski L, and Shuja A, "Cigarette lighter fluid induced gastric ulcer: a severe complication of delayed foreign body removal," *Case Rep Emerg Med.* 2017;2017:4041087. PMID: 28894611.

Seegobin K, Lyons B, Maharaj S, Baldeo C, Reddy P, Cunningham J. Bilateral brachial artery disease presenting with features of raynaud's phenomenon: a case report and review of the literature. *Case Rep Vasc Med.* 2017;2017:7461082. PMID: 28775907.

Seegobin K, Maharaj S, Baldeo C, Downes JP, Reddy P. Legionnaires' disease complicated with rhabdomyolysis and acute kidney injury in an aids patient. *Case Rep Infect Dis.* 2017;2017:8051096. PMID: 29109879.

Richardson A, Shah S, Harris C, McCulloch G, Antoun P. Anticoagulation for the pregnant patient with a mechanical heart valve, no perfect therapy: review of guidelines for anticoagulation in the pregnant patient. *Case Rep Cardiol.* 2017;2017:3090273. PMID: 29359052.

Shuja A, Harris C, Aldridge P, Malespin M, de Melo SW Jr. Predictors of no-show rate in the gi endoscopy suite at a safety net academic medical center. *J Clin Gastroenterol.* 2017 Sep 28. PMID:28961577.

Harris C, Geffen J, Rizg K, Shah S, Richardson A, Baldeo C, Ramdass A. A rare report of infectious emphysematous aortitis secondary to clostridium septicum without prior vascular intervention. *Case Rep Vasc Med.* 2017;2017:4984325. PMID: 29075546.

Seegobin K, Maharaj S, Nelson G, Carlson J, Baldeo C, Jacob R. Rapid onset of b12 deficiency in the setting of worsening multiple myeloma: correlations between b12 deficiency and multiple myeloma. *Case Rep Oncol Med.* 2017;2017:6458676. PMID: 28831320.

Seegobin K, Maharaj S, Baldeo C, Shukri A, Rana FN. An aggressive form of langerhan cell histiocytosis in an adult: therapeutic challenges. *Case Rep Oncol Med.* 2017;2017:9064326. PMID:29527366.

Perez-Downes J, Dietzius H, Ibrahim S, Jayasankar V, Oberst L. Atypical presentation of a ventricular papillary fibroelastoma. *J Geriatr Cardiol.* 2017. Aug 14. PMID: 29089971.

Perez-Downes, J, Palacio C, Miller A, Reddy P. Predicting variables of mortality among Patients with NT-proBNP>70,000 pg/ml. *Journal of Cardiac Failure, Volume 23, Issue 8,S34.* August 2017.

Maharaj S, Chang S, Seegobin K, Serrano Santiago I-Santiago I, Zuberi L. Increased risk of arterial thromboembolic events with combination lenalidomide/dexamethasone therapy for multiple myeloma. *Expert Rev Anticancer Ther.* 2017 Jul;17(7):585-591. PMID: 28508703.

Published abstracts:

Hernandez Jimenez J, Green K, Serrano Santiago I, Isache C. Cytomegalovirus (CMV) ileitis in a Crohn's disease patient that is HIV negative: a case report. *J Gen Intern Med.* 2018, Apr; 33(2):S495

Serrano Santiago I, Ruiz Morales J, Hernandez Jimenez J, Staiano P. Controversy of heparin use in hypertriglyceridemia-induced pancreatitis: a case report. *J Gen Intern Med.* 2018, Apr; 33(2):S492

Ruiz Morales J, Patel P, Ibrahim S, Miller A. Quality of clinical outcomes and effectiveness of heart failure exacerbation management in emergency room observation unit versus coronary care unit. *J Gen Intern Med.* 2018, Apr; 33(2):S313.

Maharaj S, Chang S, Seegobin K, Perez-Downes J, Zuberi L, Shaikh M. *J Echocardiogr* (2018 Apr). <https://doi.org/10.1007/s12574-018-0379-3>.

Yaranov D, Kairouz V, Patel P, Franchi F, Rollini F. To cath or not to cath... rare electrocardiographic presentation of acute myocardial infarction. *JACC.* 2018 March;71(11):2195.

Kairouz V, Patel P, Franchi F, Deepa N, Suryadevara S, Soffer D, Pirris J, Zenni M, Bass T, Angiolillo D, Rollini F. Cangrelor as an antiplatelet bridging strategy in patients with coronary artery disease undergoing cardiac and non-cardiac surgery. *JACC.* 2018 March;71(11):75.

Perez-Downes J, Baldeo CM, Richardson A, Cerda M, Petersen J. Right atrial thrombus in transit causing peripheral venous congestion. *JACC.* 2018 March;71(11):2467.

Cerda M, Perez-Downes J, Baldeo CM. Less is more: a case of repeated atrial fibrillation ablation. *JACC.* 2018 March;71(11):2567.

Baldeo CM, Baldeo C, Mody K, Seegobin K, Rollini F. A case of 5-fluorouracil-induced coronary artery vasospasm in rectal adenocarcinoma. *JACC.* 2018 March;70(11):2324.

Nelson G, Jacob R, Mars R. Octreotide: a solution for excess percutaneous biliary choleresis. *J Investig Med.* 2018;66(2):607.

Seegobin K, Maharaj S, Burden Z, Baldeo C, House J. Levamisole vasculitis. *J Investig Med.* 2018;66(2):628.

Thomas A, Shah J, Orellana-Barrios M, Rollini F. Stress induced cardiomyopathy in the setting of neuroleptic malignant syndrome. *J Investig Med.* 2018;66(2):611.

Patel P, Yaranov D. Takotsubo cardiomyopathy in setting of acute coronary syndrome. *J Investig Med.* 2018;66(2):609.

Shelley P, Green K. Cutaneous lymphoma: the non resolving nodule. *J Investig Med.* 2018;66(2):245.

Maharaj S, Seegobin K, Bajric B, Rana F. Impella induced hemolytic anaemia. *J Investig Med.* 2018;66(2):228.

Bajric B, Maharaj S, Verdecia J, Palacio C. Nasopharyngeal squamous cell carcinoma presenting as chronic sinusitis. *J Investig Med.* 2018;66(2):204.

Carlson J, Serrano Santiago I, Seegobin K, Reddy P. Testicular seminoma metastasis presenting as cardiac arrhythmia. *J Investig Med.* 2018;66(2):211.

Carlson J, Nelson G, Harris C, Cury J. Liver failure caused by hepatitis a treated with n-acetylcysteine. *J Investig Med.* 2018;66(2):139.

Carlson J, Verdecia J, Horn C, Ruiz Morales J, Jacob R. A rare case of emphysematous urinary tract infection. *J Investig Med.* 2018;66(2):112.

Hernandez Jimenez J, Maharaj S, Chique-Figueroa J, Isache C. Primary central nervous system lymphoproliferative disorder in a patient with cadaveric renal transplant. *J Investig Med.* 2018;66(2):79.

- Serrano Santiago I, Ruiz Morales J, McCarthy A. Adenocarcinoma of the appendix presenting as recurrent abscess formation. J Investig Med. 2018;66(2):49.
- Serrano Santiago I, Lulla S, Warden U, Al-Turk B, Maharaj S. Left ventricular non-compaction cardiomyopathy: case of a rare congenital disorder presenting with multiple organ failure. J Investig Med. 2018;66(2):17.
- Nguyen B, Gutierrez M, Rizg K, Palacio C, Shah J. Rapidly progressing htlv-1 associated myelopathy/tropical spastic paraparesis presenting as bilateral lower extremity weakness. J Investig Med. 2018;66(2):16.
- Horn C, Shah S, Staiano P, Seeram V. A case of rapidly progressing respiratory failure. J Investig Med. 2018;66(2):462.
- Baldeo C, Seegobin K, Richardson A, Ruiz Morales J. Vasculitis presenting as diffuse alveolar hemorrhage. J Investig Med. 2018;66(2):455.
- Baldeo C, Morales Hernandez M, Sharma R, Hernandez Jimenez J, Seegobin K, Monteiro C. Dermatomyositis with a rare lung disease. J Investig Med. 2018;66(2):454.
- Ruiz Morales J, Ganji M, Jacob R. Kaposi sarcoma presenting as dysphagia. J Investig Med. 2018;66(2):289.
- Ruiz Morales J, Carlson J, Horn C. Obstructive sleep apnea and uncorrected atrial septal defect progressing to eisenmenger syndrome. J Investig Med. 2018;66(2):475.
- Richardson A, Staiano P, Baldeo C, Harris C, Benitez E, Franchi F. Myasthenia gravis masquerading as a non-st-elevation myocardial infarct (nSTEMI). Cardiovascular Case Report Award. J Investig Med. 2018;66(2):41.
- Richardson A, Green K, Perez-Downes J, Baldeo C, Shah S, Najjar N, Seeram V. Acquired tracheoesophageal fistula as a complication of acquired immunodeficiency syndrome (AIDS). J Investig Med. 2018;66(2):288.
- Rivas J, Green K, Shah J, Rollini F. Cardiac sarcoidosis: a lethal arrhythmia presentation. J Investig Med. 2018;66(2):105.
- Maharaj S, Perez-Downes J, Seegobin K, Chang S. Consideration of atrial arrhythmias associated with cardiac tamponade and pericarditis. Am J Emerg Med. 2018 Feb;36(2):338.
- Harris C. Barriers to treatment of chronic hepatitis C with direct-acting antivirals in an urban clinic. Hepatol. 2017;66(S1)325A:597.
- Green K. Intestinal spirochetosis: an obscure cause of lower gastrointestinal bleeding. Am J Gastroenterol. 2017 Oct;112: S1-S45.
- Green K. Incidental colonic ganglioneuromas: how do we proceed? Am J Gastroenterol. 2017 Oct;112: S1-S45.
- Thomas A. A case of refractory esophageal strictures treated with oral viscous budesonide. Am J Gastroenterol. 2017 Oct;112: S1-S45.
- Patel P. Cardiac noncompaction causing sudden cardiac death CHEST. 2017;152(4_S):A77.
- Luis M, Rodriguez-Quijano R, Staiano P, Najjar N, Ashby T, Celso B. Do co-morbidities in patients with insomnia delay the diagnosis of OSA? CHEST. 2017;152(4_S):A1080.
- Nelson G, Shah S, Cury J. Does Procalcitonin "Get High" on Flakka? a case of extreme procalcitonin elevation due to psychostimulant abuse. CHEST. 2017;152(4_S):A382.
- Maharaj S, Seegobin K, Perez-Downes J, Bajric B, Chang S, Reddy P. Severe carvedilol toxicity without overdose - caution in cirrhosis. Clin Hypertens. 2017 Nov 30;23:25.

Perez-Downes J, Dietzius H, Ibrahim S, Jayasankar V, Oberst L. Atypical presentation of a ventricular papillary fibroelastoma. *J Geriatr Cardiol*. 2017 Aug; 14(8): 534–535.

Perez-Downes J, Palacio C, Miller A, Reddy P. Predicting variables of mortality among patients with NT-proBNP > 70,000 Pg/Ml. *Journal of Cardiac Failure*. 2017 Aug;23(8):S34.

Patel P, McCulloch G, Esmail K, Perez-Downes J, Miller A. Prediction of heart failure readmission using echocardiographic variables in patients with HFPEF in an urban inner city teaching hospital. *Journal of Cardiac Failure*. 2017 Aug;23(8):S47.

Presentations:

Trabanco J. An atypical case of cardiac tamponade leading to a diagnosis of metastatic adenocarcinoma. Poster presentation at: American Thoracic Society Annual Meeting; San Diego, CA. May 2018.

Richardson A. Anticoagulation for the pregnant patient with a mechanical heart valve, no perfect therapy. Poster presentation at: Duval County Medical Society Meeting; Jacksonville, FL. May 2018.

Baldeo CM. Cystic brain metastasis mimicking neurocysticercosis. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Baldeo CM. Dermatomyositis with a rare lung disease. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Baldeo CM. Vasculitis presenting as diffuse alveolar hemorrhage. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Bueno E. Mimicking the common causes of syncope in an adult with a heart murmur. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Carlson J. A rare case of emphysematous urinary tract infection. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Cisneros M. Enterococcus species causing bacterial-endocarditis associated glomerulonephritis in an at-risk population. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Gutierrez M. Chylothorax and chyloperitoneum: an interesting cause of lymphatic obstruction. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Hernandez Jimenez J. Thalamic bacterial abscess presenting with hemiparesis and aphasia: case report of a rare infection. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Hernandez Jimenez J. Cytomegalovirus (cmv) ileitis in a Crohn's disease patient that is HIV negative: a case report. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Hernandez Jimenez J. Primary central nervous system lymphoproliferative disorder in a patient with cadaveric renal transplant. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Horn C. Three's company myocarditis. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Lyons B. Metastatic lung adenocarcinoma to the stomach: a case report. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Maharaj S. Heparin-induced thrombocytopenia (hit) at an urban academic health system: choosing wisely. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Nelson G. Superior vena cava syndrome masquerading as idiopathic angioedema. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Perez-Downes J. Prognostic utility of highest recorded nt-probnp values by clinical laboratory in patients with end-stage renal disease. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Richardson A. Myasthenia gravis masquerading as a non-st-elevation myocardial infarct (nSTEMI). Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Rivas Rios J. Acquired combined factor VIII deficiency: an uncommon hemophilia presentation. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Rizq K. Bile in the bronchus: a rare cause of ARDS. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Seegobin K. Does chemotherapy or radiotherapy increase the risk of multiple cancers? A pilot study at the University of Florida, Jacksonville: 2011-2016. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Shah S. Rhino-orbital mucormycosis presenting in a diabetic patient with diabetic ketoacidosis. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Steinberg S. A rare case of mold peritonitis in the setting of continuous ambulatory peritoneal dialysis: a look at an emerging human opportunistic pathogen. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Trabanco J. An atypical case of cardiac tamponade leading to a diagnosis of metastatic adenocarcinoma. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. May 2018.

Seegobin K. Multiple cancers after chemotherapy, radiotherapy and hormonal therapy at University of Florida: a pilot study. Poster presentation at: Midwest American Federation for Medical Research Annual Meeting; Chicago, IL. April 2018.

Hernandez Jimenez J. Cytomegalovirus (CMV) ileitis in a Crohn's disease patient that is HIV negative: a case report. Poster presentation at: Society of General Internal Medicine Meeting; Denver, CO. April 2018.

Serrano Santiago I Santiago I. Controversy of heparin use in hypertriglyceridemia-induced pancreatitis: a case report. Poster presentation at: Society of General Internal Medicine Meeting; Denver, CO. April 2018.

Ruiz Morales J Morales J. Quality of clinical outcomes and effectiveness of heart failure exacerbation management in emergency room observation unit versus coronary care unit. Poster presentation at: Society of General Internal Medicine Meeting; Denver, CO. April 2018.

Serrano Santiago I Santiago I. Malignancy-associated hypercalcemia with severe symptomatic presentation. Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2018.

Richardson A. Coronary artery bypass grafting for repair of spontaneous left main coronary artery dissection. Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2018.

Seegobin K. Does chemotherapy, radiotherapy or hormonal therapy increase the risk of multiple cancers? A pilot study. Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2018.

- Horn C. Three's company myocarditis. Poster presentation at: Florida Chapter American College of Physicians; Orlando, FL. March 2018.
- Baldeo CM. A case of 5-fluorouracil-induced coronary artery vasospasm in rectal adenocarcinoma. Poster presentation at: American College of Cardiology; Orlando, FL. March 2018.
- Perez-Downes J. Right atrial thrombus in transit causing peripheral venous congestion. Poster presentation at: American College of Cardiology; Orlando, FL. March 2018.
- Patel P. To cath or not to cath... rare electrocardiographic presentation of acute myocardial infarction. Poster presentation at: American College of Cardiology; Orlando, FL. March 2018.
- Maharaj S. Impella induced hemolytic anemia. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Horn C. A case of rapidly progressing respiratory failure. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Shelley P. Cutaneous lymphoma: the non resolving nodule. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Nelson G. Octreotide: a solution for excess percutaneous biliary cholerisis. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Bajric B. Nasopharyngeal squamous cell carcinoma presenting as chronic sinusitis. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Nguyen B. Rapidly progressing htlv-1 associated myelopathy/tropical spastic paraparesis presenting as bilateral lower extremity weakness. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Thomas A. Stress induced cardiomyopathy in the setting of neuroleptic malignant syndrome. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Patel P. Takotsubo cardiomyopathy in setting of acute coronary syndrome. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Carlson J. Testicular seminoma metastasis presenting as cardiac arrhythmia. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Carlson J. A rare case of emphysematous urinary tract infection. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Carlson J. Liver failure caused by Hepatitis A treated with N-acetylcysteine. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Ruiz Morales J Morales J. Obstructive sleep apnea and uncorrected atrial septal defect progressing to Eisenmenger Syndrome. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Ruiz Morales J Morales J. Kaposi Sarcoma presenting as dysphagia. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Richardson A. Acquired tracheoesophageal fistula as a complication of acquired immunodeficiency syndrome (aids). Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.

- Richardson A. Myasthenia gravis masquerading as a non-st-elevation myocardial infarct (nSTEMI). Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Serrano Santiago I Santiago I. Adenocarcinoma of the appendix presenting as recurrent abscess formation. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Serrano Santiago I Santiago I. Left ventricular non-compaction cardiomyopathy: case of a rare congenital disorder presenting with multiple organ failure. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Baldeo CM. Dermatomyositis with a rare lung disease. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Baldeo CM. Vasculitis presenting as diffuse alveolar hemorrhage. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Hernandez Jimenez J. Primary central nervous system lymphoproliferative disorder in a patient with cadaveric renal transplant. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Seegobin K. Levamisole vasculitis. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Rivas J. Cardiac sarcoidosis: a lethal arrhythmia presentation. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; New Orleans, LA. February 2018.
- Burden Z. Primary central nervous system lymphoma associated with idiopathic CD4+ T-cell lymphocytopenia. Poster presentation at: Florida Chapter American College of Physicians; Palm Beach Gardens, FL. December 2017.
- Carlson J. Testicular seminoma metastasis presenting with cardiac arrhythmia. Poster presentation at: Florida Chapter American College of Physicians; Palm Beach Gardens, FL. December 2017.
- Maharaj S. Acute glomerulonephritis secondary to streptococcus anginosus: a new nephritogenic strain. Poster presentation at: Florida Chapter American College of Physicians; Palm Beach Gardens, FL. December 2017.
- Seegobin K. Mycobacteria bovis osteomyelitis following intravesical BCG for bladder cancer. Poster presentation at: Florida Chapter American College of Physicians; Palm Beach Gardens, FL. December 2017.
- Al-Turk B. Poverty, a risk factor overlooked: a cross-sectional cohort study comparing poverty rate and cardiovascular disease in the state of Florida. Poster presentation (2nd place) at: Duval County Medical Society Annual Meeting; Jacksonville, FL. December 2017.
- Perez-Downes J. Predicting variables of mortality among Patients with NT-proBNP > 70,000 pg/ml. Poster presentation (1st place) at: Duval County Medical Society Annual Meeting; Jacksonville, FL. December 2017.
- Staiano P. Do co-morbidities in patients with insomnia delay the diagnosis of OSA? Poster presentation at: American College of Chest Physicians Annual Meeting; Toronto, Canada. October/November 2017.
- Nelson G. Does procalcitonin "get high" on flakka? A case of extreme procalcitonin elevation due to psychostimulant abuse. Poster presentation at: American College of Chest Physicians Annual Meeting; Toronto, Canada. October/November 2017.
- Patel P. Cardiac noncompaction causing sudden cardiac death. Poster presentation at: American College of Chest Physicians Annual Meeting; Toronto, Canada. October/November 2017.

Harris C. Barriers to treatment of chronic hepatitis c with direct-acting antivirals in an urban clinic. Poster presentation at: American Association for the study of Liver Diseases – The Liver Meeting; Washington, DC. October 2017.

Seegobin K. A rare case of plasma cell leukemia: could high CK levels be a new prognostic indicator? Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Seegobin K. Toxic epidermal necrolysis: a rare adverse effect of ivermectin. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Warda F. Congenital absence of infrarenal inferior vena cava presenting with recurrent deep vein thrombosis. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Perez-Downes J. Encephalopathy and the treatment of neuropathic pain: could they be connected? Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Al-Turk B. Poverty, a risk factor overlooked: a cross-sectional cohort study comparing poverty rate and cardiovascular disease in the state of Florida. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Al-Turk B. Establishing an elusive diagnosis: a unique approach to the challenge of confirming cardiac sarcoidosis. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Maharaj S. Forgotten but not gone: a case of cardiac beriberi in a Floridian. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Burden Z. An atypical case of cardiac tamponade leading to a diagnosis of metastatic adenocarcinoma. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Burden Z. Primary central nervous system lymphoma associated with idiopathic cd4+ t-cell lymphocytopenia. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Serrano Santiago I Santiago I. Adenocarcinoma of the appendix presenting as recurrent abscess formation. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Bajric B. Enterococcal endocarditis presenting as septic monoarthritis in an immunocompromised patient. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Green K. A curious case of necrosis: levamisole-induced vasculitis. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Green K. Dilated cardiomyopathy presenting as junctional bradycardia. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Horn C. A classic case of human granulocytic anaplasmosis in a vacationer. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Staiano P. Hypertriglyceridemia induced pancreatitis due to mixed hyperlipidemia (Type V). Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Carranza M. Metastatic non-small cell lung cancer presenting as thromboembolic disease in a young female with dyspnea, dysphagia and weight loss. Poster presentation at: Southern Hospital Medicine Annual Conference; New Orleans, LA. October 2017.

Thomas A. A case of refractory esophageal strictures treated with oral viscous budesonide. Poster presentation at: World Congress of Gastroenterology at the American College of Gastroenterology Annual Meeting; Orlando, FL. October 2017.

Green K. Intestinal spirochetosis: an obscure cause of lower gastrointestinal bleeding. Poster presentation at: World Congress of Gastroenterology at the American College of Gastroenterology Annual Meeting; Orlando, FL. October 2017.

Green K. Incidental colonic ganglioneuromas: how do we proceed? Poster presentation at: World Congress of Gastroenterology at the American College of Gastroenterology Annual Meeting; Orlando, FL. October 2017.

Patel P. Predicting variables of mortality among patients with NT-proBNP > 70,000 Pg/MI. Poster presentation at Heart Failure Society of America 21st Annual Scientific Meeting; Dallas, TX. October 2017.

Patel P. Prediction of heart failure readmission using echocardiographic variables in patients with HFPEF in an urban inner city teaching hospital. Poster presentation at Heart Failure Society of America 21st Annual Scientific Meeting; Dallas, TX. October 2017.

GRANTS

Seegobin K. Pilot study in the occurrence of multiple cancers following chemotherapy and radiotherapy at University of Florida Jacksonville. Project Period: March 2017-March 2018. Sponsor: University of Florida College of Medicine - Jacksonville. Role: Principal Investigator.

HONORS AND AWARDS

Belinda Bajric, DO	Intern of the Year
Grant Nelson, DO	Senior Resident of the Year & Procedure Completion Award
Amit Babbar, MD	Fellow of the Year
Vandana Seeram, MD	Teacher of the Year
Cherisse Baldeo, MD	Best Conference Attendance
Julio Perez-Downes, DO	ACP Resident of the Year
Bashar Al-Turk, DO	Louis S. Russo Award of Outstanding Professionalism in Medicine
Win Aung, MD	UF Excellence in Student Education Award - Faculty
Ciel Harris, MD	Malcolm T. Foster, Jr., MD Scholarship Award

Nancy Davison, DO; Grant Nelson, DO; and Karan Seegobin, MD competed in the American College of Physicians, Florida Chapter - Doctor's Dilemma™ State Team.

Grant Nelson, DO is the recipient of the resident UF College of Medicine Exemplary Teachers Award and the Edward Jelks Outstanding Resident Clinician Award.

Joe Chehade, MD; Dave Cury, MD; Linda Edwards, MD; Francesco Franchi, MD; Gunjan Gandhi, MD; Michael Haas, PhD; Jason Hew, MD; Steve Hsu, MD; Leighton James, MD; Lisa Jones, MD; Mariam Louis, MD; Ron Mars, MD; Ghania Masri, MD; Alan Miller, MD; Robert Percy, MD; Vandana Seeram, MD; Elisa Sottile, MD; and Lara Zuberi, MD are recipients of the faculty UF College of Medicine Exemplary Teaching Award.

ENDOWMENTS AND GIFTS

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

CLASS OF 2018 DESTINATIONSChief Medical Residents

Lauren Stemboroski, DO
Jeffrey Winder, DO

Preliminary Residents

Ansuya Deosaran, MD
Charles Jacobs, MD
Brian Nguyen, DO
John Robinson, MD
Zachery Rosensweet, DO
Kyle Wuthrich, DO

Categorical Residents

Bashar Al-Turk, DO
Emma Bueno, MD
Mario Cisneros, DO
Maria Gutierrez, MD
Ciel Harris, MD
Brittany Lyons, DO
Grant Nelson, DO
Pujan Patel, MD
Julio Perez-Downes, DO
Aaron Richardson, DO
Keyrillos Rizg, MD
Stuart Shah, MD
Scott Steinberg, MD
Jorge Trabanco, MD

Professional Status

Gastroenterology Fellowship
Cardiology Fellowship

Professional Status

Ophthalmology Residency
Radiology Residency
Neurology Residency
Neurology Residency
Neurology Residency
Neurology Residency

Professional Status

Chief Medical Resident
Nephrology Fellowship
Hospital Group Practice
Faculty Practice
Gastroenterology Fellowship
Faculty Practice
Academic Hospitalist
Cardiology Fellowship
Chief Medical Resident
Cardiology Fellowship
Group Practice
Pulmonary/Critical Care Fellowship
Pulmonary/Critical Care Fellowship
Hospital Group Practice

Location

University of Florida Jacksonville
Mayo Clinic, Jacksonville

Location

Louisiana State University
Lenox Hill Hospital, New York
University of Florida Jacksonville
University of Florida Jacksonville
University of Florida Jacksonville
University of Florida Jacksonville

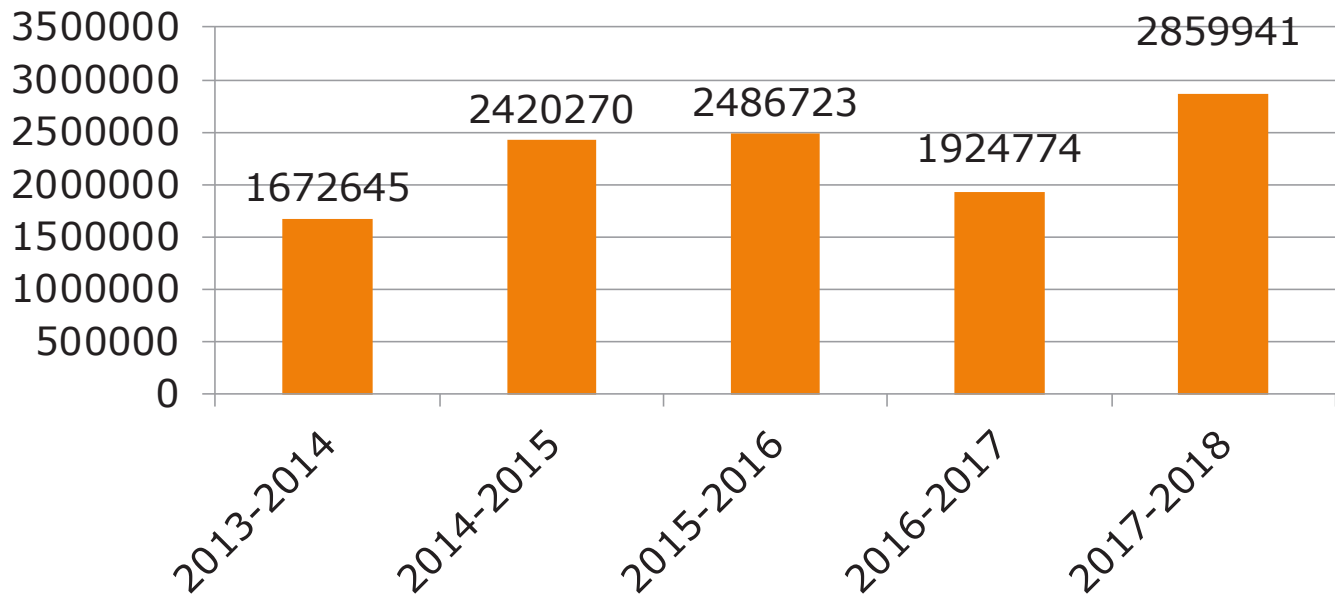
Location

University of Florida Jacksonville
Mayo Clinic, Jacksonville
Palm Coast, FL
UF North Jacksonville
University of Florida Jacksonville
University of Florida Jacksonville
VCOM, Auburn, AL
University of Florida Jacksonville
University of Florida Jacksonville
University of Florida Jacksonville
Nashville, TN
University of Florida Jacksonville
University of Florida Jacksonville
Palm Coast, FL

DEPARTMENT RESEARCH
ACADEMIC YEAR 2018 (7/17 - 6/18)

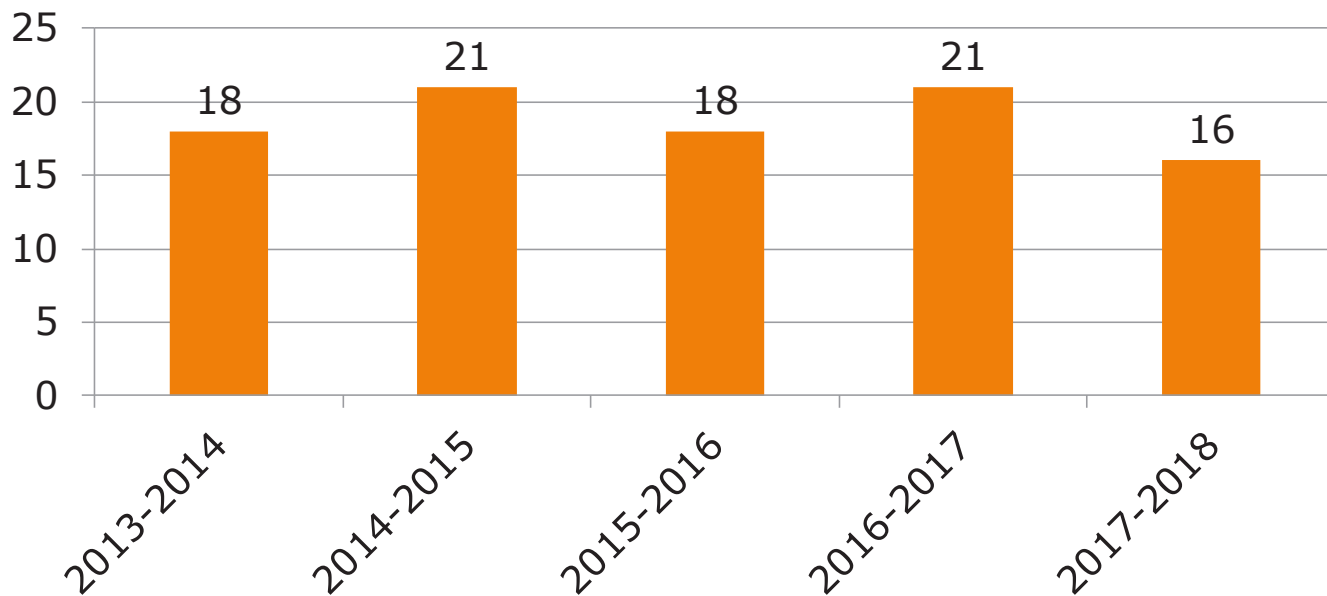
The faculty in the Department of Medicine continue to obtain research awards and train future investigators; an important aspect of the University of Florida College of Medicine-Jacksonville’s mission. Trends in external funding for fiscal year 2017-2018 and four prior years are shown in **Figure 1**.

Total Grant Revenue

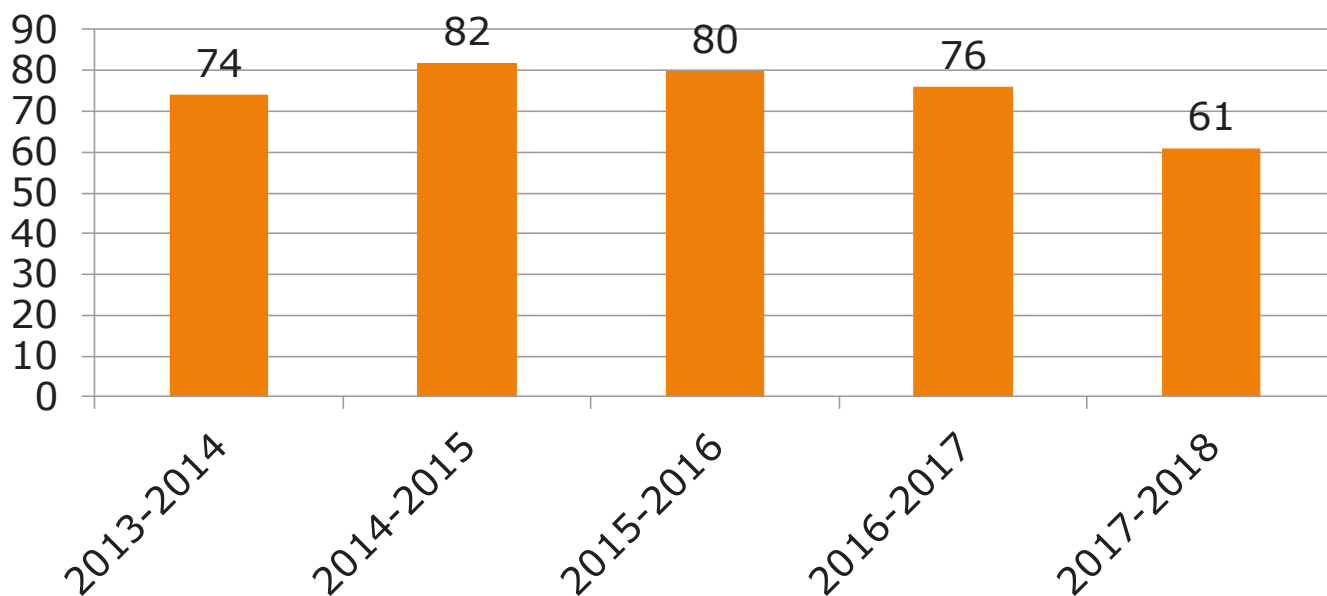


External funding from federal, state, industry and foundation sources increased 48.6% this fiscal year compared to last. This significant occurred even though there was a decrease in the number of funded investigators (from 21 investigators last fiscal year to 16 investigators this fiscal year) (**Figure 2**) as well as a decrease in the number funded projects (from 76 projects last fiscal year to 61 this fiscal year) (**Figure 3**).

Funded Investigators



Funded Projects



Several faculty members in the Department of Medicine have basic/translational science projects in the Medical Research Building. **Michael Haas, Ph.D.**, (Endocrinology) is investigating molecular mechanisms that regulate expression of genes involved in cholesterol transport and oxidative and endoplasmic reticulum stress in human coronary artery endothelial cells. **Kent Wehmeier, M.D.**, (Endocrinology) is investigating the effects of nicotine on cellular stress in smokers and in human coronary endothelial cells. **Charles Heilig, M.D.**, and **Yongxin Gao, M.D.**, (Nephrology and Hypertension) are examining the regulation of glucose transporter 1 expression by mechano-growth factor as well as examining the role of glucose transporters in liver cancer. Though he left at the end of the academic year, **Leighton James, M.D.**, (Nephrology and Hypertension) was examining the roles of various growth factors in diabetic kidney disease.

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. One fellow, **Priyanka Bikkini, M.D.**, (Endocrinology) and one resident, **Ivan Serrano Santiago, M.D.**, in the Department of Medicine received Deans Fund Research Grants enabling them to carryout research projects under the mentorship of faculty. This has increased the scholarly output of our trainees.

At Research Day, 35% of the presentations were from residents and sub-specialty fellows in the Department of Medicine. **Dr. Krista Gonzales, M.D.**, (Endocrinology) placed fifth place in the oral platform competition. Of the poster presentations, **Dr. Jose Rivas Rios, M.D.**, received the first place prize. **Dr. Joshua Levine, M.D.**, received the second place prize and **Dr. Karan Seegobin, M.D.**, received the sixth place prize. In addition, **Leighton James, M.D.**, (Nephrology and Hypertension) discussed his research for his 2017 Robert C. Nuss Researcher/Scholar Award. These great outcomes are in part due to the desire and hard work of their faculty mentors.

DIVISION OF CARDIOLOGY
ACADEMIC YEAR 2018 (7/17 - 6/18)

Highlights

- Hired 2nd Cardiothoracic surgeon
- New Structural Heart Interventional Cardiologist started
- Started Mitral Clip Program
- Started Watchman Program
- New ECHO report system
- Completed construction on Cath Lab room 1, completed construction on Cath Lab room 2
- Meet financial targets for both UF and UF Health hospital budgets
- Started vascular procedures in non-invasive lab
- Expanded EP services with start of 4th electrophysiologist, expanded services at North and in St. Mary's office
- Increase number of EP and Cath procedures at UF North, start PCI program at North

Education: The fellowships programs remain competitive. Our fellows and residents have received several research awards including Dean's grants and several presentations on Research Day. 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.

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

- Monday Morning Report: Mandatory meeting for ALL fellows to discuss important, challenging, complex cases that present to CCU over the weekend or preceding week.
- Goals and objectives for every clinical and nonclinical rotation
- Board review/in training exam review sessions twice a month
- An advanced imaging rotation at Mayo; start of video conferencing with Mayo
- Guest lecture faculty participating in our weekly didactic conference sessions
 - o Pulmonary series with Dr. Bajwa (UF – Jax)
 - o Advance imaging series with Dr. Shapiro (Mayo)
 - o Advance HF series with Dr. Parag Patel (Mayo)
- Updated core curriculum lectures on every cardiology discipline
- Hemodynamic simulation program
- General Cardiology fellows 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
- Interventional data at Research Day: Cardiology fellows develop quality assessment and quality improvement protocols and present the data at research day
- Developing opportunities to obtain CME credit for Cardiology Grand Rounds

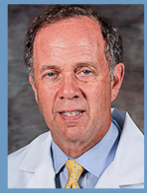
Research: Our faculty continues to excel in research, scholarly production and participation in national and international scientific sessions. We have approximately 50 ongoing studies, which range from basic/translational research to large scale clinical trials in various areas of cardiovascular disease. These include investigator initiated as well as sponsored studies. We have published approximately 40 peer-reviewed manuscripts, numerous abstracts and presentations at local, national and international meetings and several book chapters. 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. Our research staff has also expanded to meet the demands of our growing research operations following our recent relocation to a new 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**

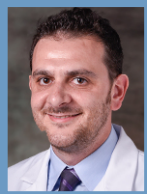
Medical School
Internship/residency
Subspecialty training

Brown University
Mayo Clinic
Boston University

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

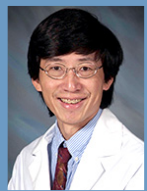
Medical School
Internship/residency
Subspecialty training
Subspecialty training

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**

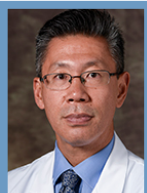
Medical School
Subspecialty training

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

**Steve Hsu, M.D., Associate Professor**

Medical School
Internship/residency
Subspecialty training

Washington University
Thomas Jefferson University
Thomas Jefferson University

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

Medical School
Internship/residency
Subspecialty training

Tufts University School of Medicine – Boston, MA
St. Elizabeth's Medical Center – Boston, MA/
University of MA Medical Center-Worcester, MA
Dartmouth-Hitchcock Medical Center – Lebanon, NH

**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
Internship/residency
Subspecialty training
Subspecialty training
Subspecialty training

University of Mississippi
University of Mississippi
Jacksonville Health Education Programs
Mass General Hospital – Cardiac Rehabilitation
Joslin Clinic – Diabetes

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

Medical School
Internship/residency
Subspecialty training
Subspecialty training
Subspecialty training

Pontificia Universidad Javeriana, Bogota Colombia
Mount Sinai Medical Center, Miami, FL
Mount Sinai Medical Center, Miami, FL
Mount Sinai Medical Center, Miami, FL—Interventional Cardiology
Duke University Hospital – Structural Heart Disease Interventions

**Fabiana Rollini, 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

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

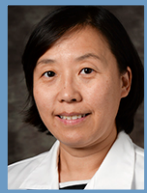
Medical School
Internship/residency
Subspecialty training

Adichunchanagri Institute of Medical Sciences, Karnataka, India
University of Medicine and Dentistry of New Jersey
University of Minnesota Medical School,

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

Medical School
Internship/residency
Subspecialty training
Subspecialty training

Ben Gurion University, Israel
Lenox Hill Hospital
Lenox Hill Hospital – Cardiovascular Disease
William Beaumont Hospital – Interventional Cardiology

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

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

Peking Union Medical College/Tsinghua University, Beijing, China
Peking Union Medical College/Tsinghua University, Beijing, China
North Shore-Long Island Jewish Health System
Rhode Island Hospital/Brown University
Beth Israel Deaconess Medical Center - Electrophysiology

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

Medical School
Internship/residency
Subspecialty training

University of the West Indies
University of Florida College of Medicine-Jacksonville
University of Florida College of Medicine-Jacksonville

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

Medical School
Internship/residency
Subspecialty training

New York University School of Medicine
Columbia Presbyterian Medical Center
Boston University/Mount Sinai Hospital

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

Medical School
Internship/residency
Subspecialty training

University of Chicago
Tufts University
Harvard Medical School

PUBLICATIONS

Price MJ, **Angiolillo DJ**. Pharmacogenomic Testing to Select Antiplatelet Therapy. *J Am Coll Cardiol*. 2018 May 1;71(17):1878-1881. doi: 10.1016/j.jacc.2018.03.021. PubMed PMID: 29699613.

Cavallari LH, **Franchi F, Rollini F**, Been L, **Rivas A**, Agarwal M, Smith DM, Newsom K, Gong Y, Elsey AR, Starostik P, Johnson JA, **Angiolillo DJ**. Clinical implementation of rapid CYP2C19 genotyping to guide antiplatelet therapy after percutaneous coronary intervention. *J Transl Med*. 2018 Apr 11;16(1):92. doi: 10.1186/s12967-018-1469-8. PubMed PMID: 29642909; PubMed Central PMCID: PMC5896099.

Groves EM, Bhatt DL, Steg PG, Deliargyris EN, Stone GW, Gibson CM, Hamm CW, Mahaffey KW, White HD, **Angiolillo D**, Prats J, Harrington RA, Price MJ. Incidence, Predictors, and Outcomes of Acquired Thrombocytopenia After Percutaneous Coronary Intervention: A Pooled, Patient-Level Analysis of the CHAMPION Trials (Cangrelor Versus Standard Therapy to Achieve Optimal Management of Platelet Inhibition). *Circ Cardiovasc Interv*. 2018 Apr;11(4):e005635. doi: 10.1161/CIRCINTERVENTIONS.117.005635. PubMed PMID: 29632238.

Cornara S, Crimi G, Somaschini A, Cattaneo M, **Angiolillo DJ**, Palmerini T, De Servi S. Systemic inflammatory status is associated with increased platelet reactivity in the early period after acute coronary syndromes. *Platelets*. 2018 Apr 4:1-3. doi: 10.1080/09537104.2018.1457782. [Epub ahead of print] PubMed PMID: 29617211.

Borst O, Münzer P, Alnaggar N, Geue S, Tegtmeier R, Rath D, Droppa M, Seizer P, Heitmeier S, Heemskerk JWM, Jennings LK, Storey RF, **Angiolillo DJ**, Rocca B, Spronk H, Ten Cate H, Gawaz M, Geisler T. Inhibitory mechanisms of very low-dose rivaroxaban in non-ST-elevation myocardial infarction. *Blood Adv*. 2018 Mar 27;2(6):715-730. doi: 10.1182/bloodadvances.2017013573. PubMed PMID: 29588304; PubMed Central PMCID: PMC5873232.

De Rosa R, Palmerini T, De Servi S, Belmonte M, Crimi G, Cornara S, Calabrò P, Cattaneo M, Maffeo D, Toso A, Bartorelli A, Palmieri C, De Carlo M, Capodanno D, Genereux P, **Angiolillo D**, Piscione F, Galasso G. High on-treatment platelet reactivity and outcome in elderly with non ST-segment elevation acute coronary syndrome - Insight from the GEPRESS study. *Int J Cardiol*. 2018 May 15;259:20-25. doi: 10.1016/j.ijcard.2018.01.057. PubMed PMID: 29579602.

Angiolillo DJ, Rollini F, Franchi F. The Quest for the Optimal Periprocedural Antithrombotic Treatment Strategy in ACS Patients Undergoing PCI. *J Am Coll Cardiol*. 2018 Mar 0;71(11):1243-1245. doi: 10.1016/j.jacc.2018.01.040. PubMed PMID: 29544608.

Franchi F, Rollini F, Rivas Rios J, **Rivas A**, Agarwal M, Kureti M, Nagaraju D, Wali M, Shaikh Z, Briceno M, Nawaz A, Moon JY, Been L, **Suryadevara S, Soffer D, Zenni MM, Bass TA, Angiolillo DJ**. Pharmacodynamic Effects of Switching From Ticagrelor to Clopidogrel in Patients With Coronary Artery Disease: Results of the SWAP (Switching Antiplatelet Therapy)-4 Study. *Circulation*. 2018 Mar 11. pii: CIRCULATIONAHA.118.033983. doi: 10.1161/CIRCULATIONAHA.118.033983. [Epub ahead of print] PubMed PMID: 29526833.

Rossini R, Tarantini G, Musumeci G, Masiero G, Barbato E, Calabrò P, Capodanno D, Leonardi S, Lettino M, Limbruno U, Menozzi A, Marchese UOA, Saia F, Valgimigli M, Ageno W, Falanga A, Corcione A, Locatelli A, Montorsi M, Piazza D, Stella A, Bozzani A, Parolari A, Carone R, **Angiolillo DJ**. A Multidisciplinary Approach on the Perioperative Antithrombotic Management of Patients With Coronary Stents Undergoing Surgery: Surgery After Stenting 2. *JACC Cardiovasc Interv*. 2018 Mar 12;11(5):417-434. doi: 10.1016/j.jcin.2017.10.051. Review. PubMed PMID: 29519377.

Alemanno L, Massimi I, Klaus V, Guarino ML, Maltese T, Frati L, **Angiolillo DJ**, Pulcinelli FM. Impact of Multidrug Resistance Protein-4 Inhibitors on Modulating Platelet Function and High on-Aspirin Treatment Platelet Reactivity. *Thromb Haemost*. 2018 Mar;118(3):490-501. doi: 10.1055/s-0038-1629920. Epub 2018 Feb 15. PubMed PMID: 29448294.

White WB, Kloner RA, **Angiolillo DJ**, Davidson MH. Cardiorenal Safety of OTC Analgesics. *J Cardiovasc Pharmacol Ther*. 2018 Mar;23(2):103-118. doi:10.1177/1074248417751070. PubMed PMID: 29421936; PubMed Central PMCID: PMC5808827.

Bansilal S, Bonaca MP, Cornel JH, Storey RF, Bhatt DL, Steg PG, Im K, Murphy SA, **Angiolillo DJ**, Kiss RG, Parkhomenko AN, Lopez-Sendon J, Isaza D, Goudev A, Kontny F, Held P, Jensen EC, Braunwald E, Sabatine MS, Oude Ophuis AJ. Ticagrelor for Secondary Prevention of Atherothrombotic Events in Patients With Multivessel Coronary Disease. *J Am Coll Cardiol*. 2018 Feb 6;71(5):489-496. doi: 10.1016/j.jacc.2017.11.050. PubMed PMID: 29406853.

Moon JY, **Franchi F, Rollini F, Angiolillo DJ**. Evolution of Coronary Stent Technology and Implications for Duration of Dual Antiplatelet Therapy. *Prog Cardiovasc Dis*. 2018 Jan - Feb;60(4-5):478-490. doi: 10.1016/j.pcad.2017.12.004. Epub 2017 Dec 29. Review. PubMed PMID: 29291426.

Empey PE, Stevenson JM, Tuteja S, Weitzel KW, **Angiolillo DJ**, Beitelshees AL, Coons JC, Duarte JD, Franchi F, Jeng LJB, Johnson JA, Kreutz RP, Limdi NA, Maloney KA, Owusu Obeng A, Peterson JF, Petry N, Pratt VM, **Rollini F**, Scott SA, Skaar TC,

Vesely MR, Stouffer GA, Wilke RA, Cavallari LH, Lee CR; IGNITE Network. Multisite Investigation of Strategies for the Implementation of CYP2C19 Genotype-Guided Antiplatelet Therapy. *Clin Pharmacol Ther.* 2017 Dec 26. doi:10.1002/cpt.1006. [Epub ahead of print] PubMed PMID: 29280137.

Capodanno D, **Angiolillo DJ**. Canakinumab for secondary prevention of atherosclerotic disease. *Expert Opin Biol Ther.* 2018 Feb;18(2):215-220. doi:10.1080/14712598.2018.1420776. Epub 2017 Dec 27. PubMed PMID: 29265905.

Crimi G, Somaschini A, Cattaneo M, **Angiolillo DJ**, Piscione F, Palmerini T, De Servi S. Cigarette smoking reduces platelet reactivity independently of clopidogrel treatment in patients with non-ST elevation acute coronary syndromes. *Platelets.* 2018 May;29(3):309-311. doi: 10.1080/09537104.2017.1394452. Epub 2017 Dec 5. PubMed PMID: 29206072.

Moon JY, Nagaraju D, **Franchi F, Rollini F, Angiolillo DJ**. The role of oral anticoagulant therapy in patients with acute coronary syndrome. *Thromb Haemostasis.* 2017 Dec;8(12):353-366. doi: 10.1177/2040620717733691. Epub 2017 Oct 13. Review. PubMed PMID: 29204262; PubMed Central PMCID: PMC5703114.

Faz GT, Gupta A, Rollini F, Oberst L, Antoun P, Angiolillo DJ, Bass TA. Percutaneous Interventional Repair of an Intraoperative Right Coronary Artery Tear. *JACC Cardiovasc Interv.* 2017 Dec 11;10(23):2464-2465. doi:10.1016/j.jcin.2017.07.039. Epub 2017 Nov 15. PubMed PMID: 29153495.

Moon JY, **Franchi F, Rollini F, Angiolillo DJ**. The quest for safer antithrombotic treatment regimens in patients with coronary artery disease: new strategies and paradigm shifts. *Expert Rev Hematol.* 2018 Jan;11(1):5-12. doi:10.1080/17474086.2018.1400378. Epub 2017 Nov 14. PubMed PMID: 29091481.

Angiolillo DJ, Rollini F, Storey RF, Bhatt DL, James S, Schneider DJ, Sibbing D, So DYF, Trenk D, Alexopoulos D, Gurbel PA, Hochholzer W, De Luca L, Bonello L, Aradi D, Cuisset T, Tantry US, Wang TY, Valgimigli M, Waksman R, Mehran R, Montalescot G, **Franchi F**, Price MJ. International Expert Consensus on Switching Platelet P2Y(12) Receptor-Inhibiting Therapies. *Circulation.* 2017 Nov 14;136(20):1955-1975. doi: 10.1161/CIRCULATIONAHA.117.031164. Epub 2017 Oct 30. Review. PubMed PMID: 29084738.

Angiolillo DJ. Dual antiplatelet therapy guided by platelet function testing. *Lancet.* 2017 Oct 14;390(10104):1718-1720. doi: 10.1016/S0140-6736(17)32279-1. Epub 2017 Aug 28. PubMed PMID: 28855079.

Toso A, De Servi S, Leoncini M, **Angiolillo DJ**, Calabrò P, Piscione F, Cattaneo M, Maffeo D, Bartorelli A, Palmieri C, De Carlo M, Capodanno D, Genereux P, Bellandi F, Barozzi C, Tomasi L, Della Riva D, Palmerini T. Effects of statin therapy on platelet reactivity after percutaneous coronary revascularization in patients with acute coronary syndrome. *J Thromb Thrombolysis.* 2017 Oct;44(3):355-361. doi: 10.1007/s11239-017-1541-x. PubMed PMID: 28840456.

Moon JY, **Franchi F, Rollini F**, Rivas Rios JR, Kureti M, Cavallari LH, **Angiolillo DJ**. Role of genetic testing in patients undergoing percutaneous coronary intervention. *Expert Rev Clin Pharmacol.* 2018 Feb;11(2):151-164. doi:10.1080/17512433.2017.1353909. Epub 2017 Oct 12. Review. PubMed PMID: 28689434; PubMed Central PMCID: PMC5771818.

Rollini F, Franchi F, Thano E, Faz G, Park Y, Kureti M, Cho JR, Been L, Bass TA, Angiolillo DJ. In Vitro Pharmacodynamic Effects of Cangrelor on Platelet P2Y(12) Receptor-Mediated Signaling in Ticagrelor-Treated Patients. *JACC Cardiovasc Interv.* 2017 Jul 10;10(13):1374-1375. doi: 10.1016/j.jcin.2017.04.027. PubMed PMID: 28683943.

Lowenstern A, Storey RF, Neely M, Sun JL, **Angiolillo DJ**, Cannon CP, Himmelmann A, Huber K, James SK, Katus HA, Morais J, Siegbahn A, Steg PG, Wallentin L, Becker RC; PLATO Investigators. Platelet-related biomarkers and their response to inhibition with aspirin and p2y(12)-receptor antagonists in patients with acute coronary syndrome. *J Thromb Thrombolysis.* 2017 Aug;44(2):145-153. doi: 10.1007/s11239-017-1516-y. PubMed PMID: 28608165.

Moon JY, **Franchi F, Rollini F, Angiolillo DJ**. Role for Thrombin Receptor Antagonism With Vorapaxar in Secondary Prevention of Atherothrombotic Events: From Bench to Bedside. *J Cardiovasc Pharmacol Ther.* 2018 Jan;23(1):23-37. doi:10.1177/1074248417708617. Epub 2017 May 31. PubMed PMID: 28565918.

Capodanno D, **Angiolillo DJ**. Antithrombotic Therapy for Prevention of Cerebral Thromboembolic Events After Transcatheter Aortic Valve Replacement: Evolving Paradigms and Ongoing Directions. *JACC Cardiovasc Interv.* 2017 Jul 10;10(13):1366-1369. doi: 10.1016/j.jcin.2017.05.005. Epub 2017 May 17. PubMed PMID: 28527775.

Rollini F, Franchi F, Angiolillo DJ. Oral trans-mucosal administration of ticagrelor: is this really the future? *Thromb Haemost.* 2017 May 3;117(5):826-828. doi: 10.1160/TH17-03-0177. Epub 2017 Mar 23. PubMed PMID: 28331923.

Venkatesh K, Catanzaro J et al. Electrical Storm-The answer lies outside the Heart. *Cardiovasc Pharm* 2017, 6:3DOI:10.4172/239-6607.1000213

Catanzaro, JN. Contemporary Management of Atrial Fibrillation (Audio Digest).

Catanzaro, JN. A Novel Bio envelope to Optimize Defibrillation Testing Thresholds. EP Lab Digest. May 2018

Dmitry M Yaranov, Srinivasan Sattiraju. 3D Transoesophageal Echocardiography in evaluation of Mitral Valve Annuloplasty Ring Dehiscence. European Heart Journal-Case Reports. Volume 2, Issue 1, 1 March 2018, pages 1-2

Harsh Rawal, Roma Mehta, Niyati Gupta, **Srinivasan Sattiraju**, Sanjay Mehta. Journal of American College of Cardiology. Comparison of High Efficacy CZT Spect Myocardial Perfusion Imaging (MPI) and NA-I Spect MPI with Gold Standard Coronary Angiography. March 2018, 71 (11 Supplement)

Sun X, Song Z, **Soffer D, Pirris JP.** Transcatheter Aortic Valve-in-Valve Implantation For Early Failure of Sutureless Aortic Bioprosthesis. J Card Surg. 2018 Apr;33(\$):172-175. doi:10.1111/jocs.13567. Epub 2018 Apr 2. PMID: 29611217

Abstract presentations:

L. Alemanno, I. Massimi, V. Klaus, M.L. Guarino, **D.J. Angiolillo**, F.M. Pulcinelli. In vitro inhibition of MRP4 mediated transport reduces HARPR in patients under chronic aspirin treatment. European Society of Cardiology 2017 (Barcelona, Spain)

Francesco Franchi, Deepa Nagaraju, Jae Youn Moon, Jose Rivas, **Andrea Rivas**, Malhar Agarwal, Pradeep Patel, Latonya Been, **Siva Suryadevara, Daniel Soffer, Martin M Zenni, Theodore A Bass, Dominick J Angiolillo, Fabiana Rollini.** Comparison Of The Antiplatelet Effects Of Prasugrel Versus Ticagrelor In Patients With STEMI Undergoing Primary Percutaneous Coronary Intervention. American Heart Association 2017 (Anaheim, CA)

Fabiana Rollini, Jose Rivas, Deepa Nagaraju, Jae Youn Moon, **Andrea Rivas**, Malhar Agarwal, Megha Kureti, Latonya Been, **Siva Suryadevara, Martin M Zenni, Theodore A Bass, Dominick J Angiolillo, Francesco Franchi** Impact Of Diabetes Mellitus On The Pharmacodynamic Effects Of Prasugrel And Ticagrelor After Switching From Clopidogrel In Patients With Coronary Artery Disease. American Heart Association 2017 (Anaheim, CA)

Victor Kairouzf, Pujan Patel, **Francesco Franchi**, Nagaraju Deepa, **Siva Suryadevara, Daniel Soffer, John Pirris, Martin Zenni, Theodore Bass, Dominick Angiolillo, Fabiana Rollini.** Cangrelor as an Antiplatelet Bridging Strategy in Patients With Coronary Artery Disease Undergoing Cardiac and Non-Cardiac Surgery. American College of Cardiology 2017 (Orlando, FL)

Dominick Angiolillo, Roshan Shah, Dara Paek, Toby Sayre, Alicia Clausel, Shalini Girotra. Clinical Outcomes Associated With De-Escalation From Ticagrelor to Clopidogrel in Patients With Acute Coronary Syndrome. American College of Cardiology 2017 (Orlando, FL)

Dominick Angiolillo, Dara Paek, Roshan Shah, Mir Fazeli, Shalini Girotra. Prevalence and Timing of De-Escalation Therapy From Ticagrelor to Clopidogrel in Acute Coronary Syndrome Patients: Results of a Meta-Analysis. American College of Cardiology 2017 (Orlando, FL)

Francesco Franchi, Fabiana Rollini, Jose Rivas, **Andrea Rivas**, Malhar Agarwal, Megha Kureti, Deepa Nagaraju, Mustafa Wali, Zuber Shaikh, Maryuri Maldonado, Latonya Been, **Siva Suryadevara, Daniel Soffer, Martin Zenni, Theodore Bass, Dominick Angiolillo.** Pharmacodynamic Effects of Switching From Ticagrelor to Clopidogrel in Patients With Coronary Artery Disease: Results of the Prospective, Randomized SWAP (Switching Antiplatelet Therapy)-4 Study. American College of Cardiology 2017 (Orlando, FL)

Tobias Geisler, Patrick Muenzer, Nada Alnaggar, Sascha Geue, Roland Tegtmeyer, Dominik Rath, Michal Droppa, Peter Seizer, Stefan Heitmeier, Johan W. M. Heemskerk, Lisa Jennings, Robert Storey, **Dominick Angiolillo**, Bianca Rocca, Henri Spronk, Hugo Ten Cate, Meinrad Gawaz, Oliver Borst. Inhibitory Mechanisms of Very Low Dose Rivaroxaban in Non-ST-Elevation Myocardial Infarction. American College of Cardiology 2017 (Orlando, FL)

C. Michael Gibson, Megan Yee, Yazan Daaboul, Serge Korjian, Ali Poyan Mehr, Mathieu Kerneis, Pierluigi Tricoci, John Alexander, John Kastelein, Roxana Mehran, Christoph Bode, Basil Lewis, Ravindra Mehta, Danielle Duffy, John Feaster, Majdi Halabi, **Dominick Angiolillo**, Daniel Duerschmied, Ton Oude Ophius, Bela Merkely. The Safety and Tolerability of Multiple Dose Administration of CSL112, an Intravenous Formulation of Plasma-Derived ApoA-I, Among Subjects With Moderate Renal Impairment After Acute Myocardial Infarction. American College of Cardiology 2017 (Orlando, FL)

Mooney HJ, Catanzaro J, et al. Implementation of a Physician Order Set Improved Adherence to Cardiac Care Unit Policy: A Quality Improvement Initiative. Circulation: Cardiovascular Quality and Outcomes. 2018;11:A163

Book chapters:

Jae Youn Moon, **Dominick J Angiolillo**. Antiplatelet Drugs in the Management of Coronary Artery Disease. In Alan D. Michelson (ed): Platelets. Fourth Edition. Elsevier, 2018.

Provisional patent:

Esophageal Temperature Modification During Left Atrial Ablation. 2018 (Catanzaro)

CLINICAL ACTIVITIES

Outpatient Activity	AY 17/18
Physician clinic visits	*14,637
Cardiac ultrasounds	9,412
Cardiac nuclear studies	1,199
EKGs	65,242
Stress tests	1,662
Heart caths	3,037
EP procedures	1,662
Cardiac rehab visits	2,431
TAVR/TEVR	**41
*Attendings Only: Jacksonville Clinic=6,803, Emerson=937, St Marys =2,725, Northside = 4,145	
**TAVR=36, TEVR=5	

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Angiolillo, D	Eval of Switching from Prasugrel to Ticagrelor	2014-2016	IIS Grant	\$396,125.00
Angiolillo, D	Effect of the periph opioid recept antagonist methylnaltrexone on the pharmacokinetic and pharmacodynamics profiles	2015-2016	Astra Zeneca	\$326,462
Angiolillo, D	Impact of chronic kidney disease on the pharmacodynamics and pharmacokinetic effects of ticagrelor in patients/diabetes	2016-2017	Astra Zeneca	\$402,544
Angiolillo, D	Adjunctive Vorapaxar Therapy in patients with prior myocardial infarction treated with P2Y12 receptor prasugrel	2016-2018	Merck	\$415,716
Angiolillo, D	Pharmacodynamic Effects of Vorapaxar as an Add on antiplatelet therapy in post myocardial infarction patients	2016-2018	Merck	\$231,424
Angiolillo, D	Effects of EDOXaban on the cellular and protein phase of coagulation in patients with coronary artery disease on dual AntiPlatelet Therapy with aspirin and clopidogrel	2016-2018	Daiichi Sankyo	\$296,530

DIVISION OF ENDOCRINOLOGY, DIABETES AND METABOLISM
ACADEMIC YEAR 2018 (7/17 - 6/18)**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. The endocrinology faculty initiated in-vitro and clinical investigations into hormonal action with acquisitions of new faculty and personnel. 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 at the University of Florida College of Medicine-Jacksonville campuses and Emerson Medical Plaza to faculty of the university and referring physicians in the northeast Florida/southern Georgia region and beyond. With the opening of the UF North campus, endocrinology services extended to a broader area of the First Coast. The core clinical faculty of the Division expanded to Dr. Joe Chehade, Dr. Marilu Jurado, Dr. Gunjan Gandhi, Dr. Arshag Mooradian, Dr. Leena Shahla and Dr. Kent Wehmeier. The Division addressed clinical endocrinology problems related to hypothalamus, pituitary, thyroid, pancreas, adrenal and sex hormone gland dysfunction as well as gender identity. Patients with metabolic disorders including diabetes mellitus, metabolic syndrome, obesity, anorexia, hypercholesterolemia, calcium and metabolic bone diseases such as osteoporosis and vitamin D deficiency were evaluated and treated. The Division's main clinical operations occurred at UF Endocrinology and Diabetes at Emerson Medical Plaza. The number and variety of consultations continued to rise. Patients were also evaluated at the UF Health-Jacksonville Ambulatory Care Center (ACC) and at the newly constructed UF Health North Hospital and Clinic primarily through the work of Dr. Gandhi and Dr. Shahla. Our faculty performed analyses of the glucose monitoring data, obtained by continuous glucose monitoring to make recommendations regarding diabetes management. Diabetes care has matured with the partnering of outpatient diabetes education with the Division of Endocrinology. Ashley Jeffords, MS, RD/LD, CDE provides onsite education at the UF Emerson location and UF North for diabetes management, carbohydrate counting and medical nutrition therapy (MNT.) Dr. Chehade, Dr. Jurado and Dr. Shahla utilized ultrasound guidance for the evaluation of patients with thyroid nodules, parathyroid neoplasia, lymph nodes, and thyroid cancer to provide comprehensive care to patients with nodular disease of the neck.

A unique collaboration with the UF College of Medicine-Jacksonville's Department of Oral Maxillofacial Surgery, Surgery, Radiology 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.

On the inpatient service, more patients were served by endocrinology consultation. The Division also presented evaluation and management techniques in the areas of diabetes, thyroid disease and osteoporosis to UF Family Practice clinics to facilitate optimal care of patients with these conditions.

Leading the charge for better inpatient diabetes care, the Division Dr. Gandhi chaired the Diabetes Steering Committee. This multidisciplinary body comes together to discuss common issues in glucose control. 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. Kent Wehmeier and Associate Program Director, Dr. Gunjan Gandhi. Dr. Priyanka Bikkina and Dr. Angela Landicho joined the Division in July 2017. Dr. Victoria Feng and Dr. Krista Gonzales began July 1, 2016 and have been exceptional and productive additions to the Division

and completed their fellowships June 30, 2018. 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 director 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.

In the educational program of the University of Florida, Dr. Chehade, Dr. Gandhi, Dr. Jurado, Dr. Shahla and Dr. Wehmeier are in preceptor clinics in Endocrinology and coordinate lectures for the University of Florida medical students and residents in medicine and emergency 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.

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 diabetes mellitus, pharmacologic agents for glucose management, diabetic neuropathy, non-alcoholic fatty liver disease and metabolic bone disease. Dr. Joe Chehade is also spearheading a clinical trial in the new Jacksonville Aging Studies Center or 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, Apo AI, and the involvement of endoplasmic reticulum (ER) stress and oxidative stress in coronary artery disease continue to reveal critical insights. The Division had a strong showing at the University of Florida College of Medicine-Jacksonville Research Day. All four fellows had poster presentations displaying their research at national meetings, including the American Association of Clinical Endocrinology and the Endocrine Society. Four investigator-initiated clinical trials are also in the process of studying topics in thyroid disease and macronutrient metabolism. Dr. Krista Gonzales research highlighting nicotine and ER stress was selected for platform presentation and won 5th place during UF Research Day.

Service: Dr. Wehmeier has chaired the Search Committee for Gastroenterology Chief and served on the Search Committee for the Department Chairman of Ophthalmology and Dr. Chehade has served on the Search Committee for the Chief of Pulmonary Medicine & Critical Care.

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**

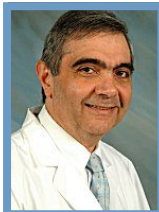
Graduate School
Post-Graduate Training

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

**Leena Shahla, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

Al-Baath University, Homs Syria
New York Medical College
University of Massachusetts Medical School

**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

Pallisgaard JL, Brooks MM, Chaitman B, Boothroyd DB, Perez M, Hlatky MA; BARI 2D Study Group. (**Mooradian A site PI**). Thiazolidinediones and risk of atrial fibrillation among patients with diabetes and coronary disease. *Am J Med*. 2018 Mar 23. pii: S0002-9343(18)30224-9.

Haas MJ, Plazarte M, Chamseddin A, Onstead-Haas L, Wong NCW, Plazarte G, **Mooradian AD**. Inhibition of hepatic apolipoprotein A-I gene expression by histamine. *European Journal of Pharmacology*, 823: 49–57, 2018.

Haas MJ, Jurado-Flores M, Hammoud R, Feng V, Gonzales K, Onstead-Haas L, **Mooradian AD**. The Effects of Known Cardioprotective Drugs on Proinflammatory Cytokine Secretion from Human Coronary Artery Endothelial Cells. *Am J Ther*. 2017 Nov 27. Doi: 10.1097/MJT.0000000000000648

Khan AA, Chung MJ, Novak E, Brown DL, (**Mooradian A site PI**). Increased hazard of myocardial infarction with insulin-provision therapy in actively smoking patients with diabetes mellitus and stable ischemic heart disease: The BARI 2D (Bypass Angioplasty Revascularization Investigation 2 Diabetes) Trial. *J Am Heart Assoc*. 2017 Sep 13;6(9). pii: e005946. doi: 10.1161/JAHA.117.005946

Marso SP, McGuire DK, Zinman B, Poulter NR, Emerson SS, Pieber TR, Pratley RE, Haahr PM, Lange M, Brown-Frandsen K, Moses A, Skibsted S, Kyist K, Buse JB; DEVOTE Study Group, Efficacy and Safety of Degludec versus Glargine in Type 2 Diabetes. *N Engl J Med*. 2017 Aug 24; 377(8):723-732. Doi: 10.1056/NEJMoa1615692. PMID: 28605603

Ghasemzadeh N, Brooks MM, Vlachos H, Hardison R, Sikora S, Sperling L, Quyyumi AA, Epstein SE, (**A. Mooradian, site PI**). An aggregate biomarker risk score predicts high risk of near-term myocardial infarction and death: Findings from BARI 2D (Bypass Angioplasty Revascularization Investigation 2 Diabetes). *J Am Heart Assoc*. 2017 Jul 3; 6 (7). pii: e003587. doi: 10.1161/JAHA.116.003587.

Damluji AA, Cohen ER, Moscucci M, Myerburg RJ, Cohen MG, Brooks MM, Rich MW, Forman DE, (**A. Mooradian, site PI**). Insulin provision therapy and mortality in older adults with diabetes mellitus and stable ischemic heart disease: Insights from BARI-2D trial. *Int J Cardiol*. 241: 35-40, 2017.

Mooradian AD, Smith M, Tokuda M. The role of artificial and natural sweeteners in reducing the consumption of table sugar: A Narrative review. *Clinical Nutrition ESPEN* 18:1-8, 2017.

Haas MJ, Onstead-Haas L, Kurban W, Shah H, Plazarte M, Chamseddin A, **Mooradian AD**. High-throughput analysis identifying drugs that regulate apolipoprotein A-I synthesis. *Assay and Drug Development Technologies* 15:362-371, 2017.

Abstracts/Presentations:

Gonzales K, Haas M, Feng V, Bikkina P, Landicho AM, Onstead-Haas L, **Mooradian A**. The effect of Nicotine and High-Dextrose on Endoplasmic Reticulum Stress in Human Coronary Artery Endothelial Cells. Platform presentation at: Research Day 2018, Jacksonville, FL, May 2018.

Bikkina P, Haas M, Landicho AM, Gonzales K, Feng V, Onstead-Haas L, **Mooradian A**. High-Throughput Analysis Identifying Drugs That Reduce Oxidative and ER Stress in Human Coronary Artery Endothelial Cells. Poster presentation at: Research Day 2018, Jacksonville, FL, May 2018.

Feng K, Gonzales K, Haas M, Bikkina P, Landicho AM, Onstead-Haas L, **Mooradian A**. TFEB-Mediated Inhibition of Endoplasmic Reticulum Stress in Human Coronary Artery Endothelial Cells. Poster presentation at: Research Day 2018, Jacksonville, FL, May 2018.

Feng K, Chehade J, Serrano I. Effect of Insulin Pump Usage on the Quality of Life Among Patients Over Age 65. Poster presentation at: Research Day 2018, Jacksonville, FL, May 2018.

Gonzales K, Haas M, Feng V, Bikkina P, Landicho AM, Onstead-Haas L, **Mooradian A**. The effect of Nicotine and High-Dextrose on Endoplasmic Reticulum Stress in Human Coronary Artery Endothelial Cells. Poster presentation at: AACE Annual Meeting 2018, Boston, MA, May 2018.

Gonzales K, Wehmeier K. Osteopoikilosis: A Rare and Potentially Painful Autosomal Dominant Disorder. Poster presentation at: AACE Annual Meeting 2018, Boston, MA, May 2018.

Gonzales K, Mooradian A. An Overlooked Etiology of Hyperthyroidism: The Jod-Basedow Phenomenon with Chronic Iodinated Mouth Wash use in a Patient with Graves' Disease. Poster Presentation at: AACE Annual Meeting 2018, Boston, MA, May 2018.

Landicho MA, Haas M, Jurado-Flores M, Hammoud R, **Gonzales K, Bikkina P, Feng V,** Plazarte G, Onstead-Haas L, Wong NCW, and **Mooradian A.** Regulation of Apolipoprotein A-I Gene Expression by the Histamine H1 Receptor: Requirement for NF- κ B. Poster presentation at: Endocrine Society, Chicago, IL, March 2018

Gandhi G. Endocrine In Training Exam 2018 Live, Endocrine Society National Meeting, Chicago, IL, March 2018.

Mooradian AD. Effect of naturally occurring rare sugars on cellular stress: Japan Physiologic Society; March 2018.

Shahla L. Pituitary Surgery, Peri-op Protocol. Oral Presentation at: Endocrinology Grand Rounds, Jacksonville, FL March 2018.

Shahla L. Adrenal Insufficiency. Oral Presentation at: Internal Medicine Program, Jacksonville, FL, January 2018.

Shahla L. Pituitary Surgery, DKA Associated with SGLI-2 Inhibitors. Oral Presentation at: Medicine Grand Rounds, Jacksonville, FL January 2018.

Mooradian AD. Dyslipidemia in Diabetes: 27th Multidisciplinary Course of Diabetes in Mexico City, Mexico Oct. 2017.

Mooradian AD. Advances in dyslipidemia research. National Academy of Medicine. Mexico City, Mexico, 2017.

CLINICAL ACTIVITIES

	AY 17/18
Inpatient Activity	
Initial Inpatient Encounters	436
Outpatient Activity	
Clinic Visits	9683
Thyroid Biopsies	245

GRANTS AND CONTRACTS

Principal Investigator	Study Title	Project Period	Sponsor
Wehmeier, K.	A Phase 2b, Multicentre, Multinational, Placebo-controlled, Double-Blind, Dose-finding Study in Adult Patients with Type I, III or IV Osteogenesis Imperfecta Treated with BPS804	5/17 - 12/21	Mereo-Bio Pharma
Chehade, J.	A PHASE III, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED, MULTICENTER STUDY TO ASSESS THE SAFETY AND EFFICACY OF VM202 IN SUBJECTS WITH PAINFUL DIABETIC PERIPHERAL NEUROPATHY	11/16 - 12/19	VIROMED
Chehade, J.	A 24-Week Metformin Extended Release Compared to Metformin Immediate Release Monotherapy in Adult Subjects with Type 2 Diabetes.	3/16 - 12/18	Astra Zeneca (BMS)
Chehade, J.	Metformin Compared to Glimepiride in Combination with Metformin in Adult Patients with Type 2 Diabetes	10/15 - 10/19	Astra Zeneca (BMS)
Chehade, J.	SCORED - Sotagliflozin on Cardiovascular and Renal Patients	10/15 - 10/19	Astra Zeneca (BMS)

DIVISION OF GASTROENTEROLOGY
ACADEMIC YEAR 2018 (7/17 – 6/18)**Highlights**

We would like to acknowledge our entire Gastroenterology Division. Dr. James Scolapio, Dr. Miguel Malespin, Dr. Amie Deutch, Dr. Emely Eid, and Dr. Silvio de Melo Jr. We extend our gratitude to our mid-level providers Victor (Pat) Nasrallah, Kellie Leis, and Rhonda Broughton, as well as our nurse William Ecker. We would like to recognize our entire gastroenterology enterprise at UF Beaches, UF North, UF Towers, and Emerson.

Patient Care:

The patient care aspect of our academic mission is pursued at the following locations: UF Health North with general GI clinics, hepatology, and endoscopy; Emerson campus, where we provide general gastroenterology and hepatology services; Towers clinic with general gastroenterology and hepatology clinics; UF Beaches with general gastroenterology clinic; UF Health North where we provide general gastroenterology, inflammatory bowel disease, and hepatology clinics. Endoscopy is performed at three clinical sites: UF Health Downtown, UF Health North, and Jacksonville Beach Surgery Center; inpatient consult services at the UF Health Downtown as well as UF Health North. Our mission is to have timely patient access and to provide excellent quality of patient care with specific attention focused on reduced patient wait times and increased access to high-quality gastroenterology and hepatology services in any of our locations. The GI division has been a particularly important presence at the UF Health North campus with new patient access and the number of surgical procedures.

Education:

Dr. de Melo and Dr. Malespin did a great job as the Program Director and Associate Program Director of our fellowship training program. We have maintained a high quality of trainees satisfaction based on the 2017-2018 ACGME survey which showed that the program's overall fellow satisfaction is above the national average. 81% of the gastroenterology faculty also evaluated the program as very positive, equaling the national average. The gastroenterology board passing rate remains at 100%. 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. Dr. de Melo was the course co-director of the Jacksonville Gut Club. This is an educational venue that is very important to our division's presence in the community.

Research:

All faculty members have been productive in scholarly activities over the past academic year. Fourteen peer-reviewed articles were published by faculty and fellows within our division. The GI faculty and fellows have given multiple presentations at local, regional, national, and international meetings. The Division now has 11 funded research protocols and was able to generate over \$325,000 in funding since last report.

LISTING OF FACULTY MEMBERS

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

Medical School
Internship/residency
Subspecialty training

Medical College of Georgia
University of South Alabama
University of Florida – Jacksonville

**Silvio de Melo, M.D., Assistant Professor and Interim Division Chief**

Medical School
Internship/residency
Subspecialty training
Subspecialty training

Faculdade de Medicina da Universidade , Recife, Brazil
UT-Southwestern Medical Center, Dallas, TX
UT-Southwestern Medical Center, Dallas, TX
Mayo Clinic, Jacksonville, FL – Advanced Endoscopy

**Amie Deutch, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

Loyola University Chicago, Maywood, IL
St. Elizabeth's Med Center, Boston, MA
University of Massachusetts

**Emely Eid M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

American University of Beirut, Beirut, Lebanon
Indiana University , Indianapolis, IN
UT-Southwestern Medical Center, Dallas, TX

**Miguel Malespin, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

Ponce School of Medicine
University of Illinois
University of Illinois – Gastroenterology
Loyola University Medical Center – Transplant Hepatology

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

Medical School
Internship/residency
Subspecialty training
Subspecialty training

Santa Casa de Sao Paulo, Sao Paulo, Brazil
Federal University of Sao Paulo
Sirio Libanes Hospital, Brazil – Therapeutic Endoscopy
California Pacific Medical Center, San Francisco, CA –
Advanced Endoscopy

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

Medical School
Internship/residency
Subspecialty training

Marshall University School of Medicine
Mayo Graduate School of Medicine – Jacksonville
Mayo Graduate School of Medicine – Rochester, MN

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

Medical School
Internship/residency
Subspecialty training

University of Miami
Medical College of Virginia
University of Florida – Jacksonville

PUBLICATIONS

Shuja A, **Malespin M, de Melo SW Jr.** A Longitudinal Analysis of the Epidemiology and Economic Impact of Inpatient Admissions for Chronic Pancreatitis in the United States" to Annals of Gastroenterology. 2018.

Stemboroski L, Brown R, Rizg K, Scolapio JS, **Malespin M, de Melo SW Jr.** Medical management of esophageal food impaction refractory to endoscopic interventions. SAGE Open Med Case Rep. 2018 May 10.

Clark M, Shuja A, Thomas A, Steinberg S, Geffen J, **Malespin M, de Melo SW Jr.** Patient's Perceptions of Gastroenterologists' Attire in the Clinic and Endoscopy Suite. Annals of Gastroenterology (2018) 31, 1-5.

Shuja A, Guan J, Harris C, Alkhasawneh A, **Malespin M, de Melo SW Jr.** Intestinal Schistosomiasis: A Rare Cause of Abdominal Pain and Weight Loss. Cureus 10(1): e2086.

Shuja, A, **Malespin M, Scolapio J.** Nutritional Considerations in Liver Disease. Gastroenterol Clin North Am. 2018 Mar;47(1):243-252.

Shuja A, Harris C, Aldridge P, **Malespin M, de Melo SW Jr.** Predictors of No-show Rate in the GI Endoscopy Suite at a Safety Net Academic Medical Center. J Clin Gastroenterol. 2017 Sep 28.

Malespin M, Moore CM, **Fialho A, de Melo SW**, Benyashvili T, Kothari A, di Sabato D, Kallwitz ER, Cotler SJ, Lu AD. Case Series of Ten Patients with Cirrhosis Undergoing Emergent Repair of Ruptured Umbilical Hernias: Natural History and Predictors of Outcomes. Exp Clin Transplant. 2017 Jul 11.

Nassri AB, et al. Epidemiology and Survival of Esophageal Cancer Patients in an American Cohort. Cureus. April 2018.

Muftah M, **Nassri AB**, Hardford P. Sertaline-induced Acute Eosinophilic Pneumonia. Current Drug Safety. April 2018

Oduyebo I, **Malespin M**, Mendoza Ladd A, Day LW, Charabaty A, Chien-Huan C, Carr RM, Quezada S, Lamouse-Smith E. Underserved populations and colorectal cancer screening: patient perceptions of barriers to care and effective interventions. GI & Hepatology News. May 2018

CLINICAL ACTIVITIES

	AY 17/18
Inpatient Activity	
Initial IP Encounters	1,660
Shands Jacksonville Inpatient Procedures	858
Baptist Beaches Inpatient Procedures	21
UF North Inpatient Procedures	141
Outpatient Activity	
Clinic Visits	12,158
Shands Jacksonville Outpatient Procedures	4,493
Baptist Beaches Outpatient Procedures	797
Jacksonville Beach Surgery Center Outpatient Procedures	503
Jacksonville Surgery Center	1,137
UF North Outpatient Procedures	2,351

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Miguel Malespin, MD (Co-PI)	HCV TARGET - Hepatitis C Therapeutic Registry and Research Network- A Longitudinal, Observational Study	3/22/2016 - present	University of Florida	\$91,005 / \$71,388
Miguel Malespin, MD	TARGET NASH - A 5-year Longitudinal Observational Study of Patients with Nonalcoholic Fatty Liver Disease or Nonalcoholic Steatohepatitis	1/8/2017 - present	TARGET PharmaSolutions	\$45,427 / \$26,416
Miguel Malespin, MD	TARGET HCC - A 5-year Longitudinal Observational Study of the Natural History and Management of Patients with Hepatocellular Carcinoma -	1/3/2017 - present	TARGET PharmaSolutions	\$9,760 / \$5,674
Miguel Malespin, MD	TARGET IBD- A 5-year Longitudinal Observational Study of Patients Undergoing Therapy for Inflammatory Bowel Disease	10/3/17- present	TARGET PharmaSolutions	\$19,281/ \$3,188
Miguel Malespin, MD (Co-PI)	PRIORITIZE - A Pragmatic, Randomized Study Of Oral Regimens for Hepatitis C: Transforming Decision---Making for Patients, Providers, and Stakeholders	3/16/2017 - present	UF (with funding from the Patient Centered Outcomes Research Institute (PCORI))	\$50,960 / \$46,749
Miguel Malespin, MD	REGENERATE - 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)	12/14/2016 - present	Intercept Pharmaceuticals	\$73,944 / \$3,234
Miguel Malespin, MD	REVERSE- 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	7/19/18- present	Intercept Pharmaceuticals	\$5,395/\$ 4,150
Miguel Malespin, MD	STELLAR-3 - A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Nonalcoholic Steatohepatitis (NASH) and Bridging (F3) Fibrosis	6/28/2017 - present	Gilead Sciences, Inc.	\$40,107 / \$17,342
Miguel Malespin, MD	STELLAR-4 - A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis (NASH)	6/29/2017 - 4/3/18	Gilead Sciences, Inc.	\$47,619 / \$21,674
Miguel Malespin, MD	ATLAS- A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety and Efficacy of Selonsertib, GS-0976, GS-9674, and Combinations in Subjects with Bridging (F3) Fibrosis or Compensated Cirrhosis (F4) due to Nonalcoholic Steatohepatitis (NASH)	5/29/18- present	Gilead Sciences, Inc.	\$8,552/\$ 3,877
Miguel Malespin, MD	DAA salvage - A Phase 3b, Multi-Center, Randomized, Open-Label, Pragmatic Study of Glecaprevir/Pibrentasvir (G/P) +/- Ribavirin for GT1 Subjects with Chronic Hepatitis C Previously Treated with an NS5A Inhibitor + Sofosbuvir Therapy	12/14/2016 - present	University of Florida (with funding from Abbvie)	\$19,637 / \$14,668
Miguel Malespin, MD	SEMA- Investigation of efficacy and safety of three dose levels of subcutaneous semaglutide once daily versus placebo in subjects with non-alcoholic steatohepatitis: A 72-week randomised, double-blind, placebo-controlled, six-armed parallel group, multi-centre, multinational trial	4/26/18- present	Novo Nordisk	\$5,115/\$ 2,399

DIVISION OF GENERAL INTERNAL MEDICINE
ACADEMIC YEAR 2018 (7/17 - 6/18)

Highlights

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

Patient Care: The Division of General Internal Medicine is comprised of 17 members, including the two chief medical residents. All full time 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. Dr. Win Aung, who runs the medicine consultation service, also assists other services in performing bedside ultrasound guided procedures. This service provides safe care and serves as an excellent educational experience for our residents.

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, the physicians in the group are considered excellent clinicians. In addition to the excellent physicians in the group, the outpatient primary care practices received recertification as NCQA Level 3 Patient Centered Medical Homes. *JaxHATS* (Jacksonville Health and Transition Services) clinic held in the ACC continues to serve as a model primary care home for emerging adults with chronic illness and special healthcare needs. Dr. Linda Edwards, in conjunction with Dr. David Wood, a general pediatrician, established this clinic for adolescents and young adults who are transitioning from their pediatricians to adult providers in 2005. The *JaxHATS* clinic continues under the direction of Dr. Rita Nathawad, a pediatrician with fellowship training in societal pediatrics. The *PAIDD* (Program for Adults with Intellectual and Developmental Disability) clinic established in 2013 continues to grow and provide primary care services and care coordination to adults with special needs who are unable to manage their health independently. The clinic provides care to over 150 adults with intellectual and developmental disabilities. The clinic and care coordination of these patients is supported by a grant from the Riverside Foundation.

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, 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.

Education: The division provides faculty 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 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 increase. Dr. House has developed a unique rotational and curricular experience for the PGY2 residents that immerse the residents in quality and safety. This educational experience is well received by the residents and has resulted in quality improvement projects and scholarly

activity. Dr. Palacio also serves as the Clerkship Director for medical students from Gainesville who rotate on the Internal Medicine service (inpatient and outpatient).

Dr. Win Aung has developed a bedside ultrasound curriculum for residents as well as a weeklong immersion in bedside ultrasound for the interns in the residency program.

Drs. Masri and Sottile serve as peer reviewers for the University of Florida College of Medicine-Jacksonville faculty development program. Dr. Sottile also serves as a facilitator and is the co-developer of the "Teaching Residents/Fellows to Teach"-a 6-8 hour intradepartmental seminar offered each year at the University of Florida College of Medicine-Jacksonville to residents and fellows.

The faculty in the division serve as program directors and speakers for the annual Update in Internal Medicine. This CME conference is an excellent opportunity for local and regional healthcare providers to obtain CME and learn the most current information on interesting and hot topics.

The division serves as an integral part of the education program for 3rd and 4th 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 monthly M&M/QA and QI for the training program. He also serves as the Quality Officer for the Department of Medicine. 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. A recent quality improvement team, comprised of internal medicine faculty and residents along with hospital performance improvement staff, reviewed readmission rates for patients with chronic lung disease. The results of the team's work led to a significant reduction in readmissions for this patient population and the process that led to the reduced readmissions has been rolled out hospital wide. The division continues to address timeliness of discharges and through put, 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 Healthy Planet in EPIC has allowed our practice to improve its cancer screening and immunizations and to reduce care gaps in our patient population.

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 opportunities for educational scholarship. Many of the faculty mentor residents in their research projects and have assisted them in submitting and being awarded grants from the Dean's Fund for Research. The division continues to be productive as demonstrated by the publications 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 County. 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 continues to grow and provides a unique service to this special needs population.

The division 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. Faculty and resident involvement in these initiatives will be critical.

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, Associate Director, CHEQR**

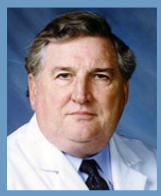
PhD Health Services Research
Master of Business Administration
Master of Health Science

University of Florida
University of Florida
University of Florida

**Linda Edwards, M.D., Associate Professor, Associate Chair and Division Chief**

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

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

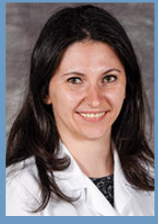
Medical School
Internship/residency

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., Assistant 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

Publications:

Bilello, LA, Hall A, Harman J, Scuderi C, Shah N, Mills JC, Samuels S. (2018). Key attributes of patient centered medical homes associated with patient activation of diabetes patients. BMC Family Practice, 19:4, DOI 10.1186/s12875-017-0704-3.

Haddad-Lacle J, Haddad CJ, Ravago L, **Bilello L.** (2018). Patient perceptions of benefits received during short-term global health trips. International Journal of Advanced Research, 6(1): 1364-1367.

Hernandez J, Vahdat K, Sands M, **Isache C.** Thalamic Bacterial Abscess Presenting with Hemiparesis and Expressive Aphasia. Published in IDCases journal on May 22, 2018.

Green K, Hernandez J, **Isache C**, Jacob R. Avascular Necrosis: A Growing Concern for the HIV Population. Accepted for publication in BMJ Case reports journal on May 18, 2018

Lyons, B, Winder, J, Martin, F. **Edwards, L.** Domestic Violence / Intimate Partner Violence: Screening, Detection and Intervention Northeast Florida Medicine Vol 69 No.1 Pages 42-53. 2018

Stemboroski L, Brown R, Rizg K, Scolapio JS, Malespin M, de Melo SW. Medical Management of esophageal food impaction refractory to endoscopic interventions. SAGE Open Med Case Rep. 2018 May 10;6:2050313X18774733. doi: 10.1177/2050313X18774733. eCollection 2018.

Maharaj S, Chang S, Seegobin K, **Isache C.** Paraneoplastic acral vascular syndrome. Cleve Clin J Med. 2018 Feb;85(2):101-102. PMID: 29425092

Ruiz J, Ganji M, **Jacob R.** Kaposi sarcoma presenting as dysphagia. J Investig Med. 2018;66(2):289. Published

Seegobin K, Maharaj S, Burden Z, Baldeo C, **House J.** Levamisole vasculitis. J Investig Med. 2018;66(2):628.

Al-Turk B, Harris C, Nelson G, Smotherman C, **Palacio C**, House J. Poverty, a risk factor overlooked: a cross-sectional cohort study comparing poverty rate and cardiovascular disease outcomes in the state of Florida. J Investig Med. 2018 Mar;66(3):693-695. PMID: 29330309.

Seegobin K, Maharaj S, Deosaran A, **Reddy P.** Severe beta-blocker and calcium channel blocker overdose: Role of high dose insulin. Am J Emerg Med. 2018 Apr;36(4):736.e5-736.e6.

Tucker C M, Williams J L, Wippold G M, **Bilello LA**, Morrissette TA, Good AJ, Shah, N and Rowland, NE (2018). Views of diverse primary care patients on the roles of healthcare providers and staff and the influence of other variables in their weight management. Clinical Obesity. Feb 2018 doi:10.1111/cob.12225

Martin, F, Aasheim, K., **Edwards, L.** Prevention of Medical Errors and Patient Safety Northeast Florida Medicine Vol 68 No.1 Pages 37-44. 2017

Perez-Downes J., Bajric B., Chang S., **Reddy P.** Severe carvedilol toxicity without overdose - caution in cirrhosis. Satish Maharaj, Karan Seegobin, Clin Hypertens. 2017 Nov 30; 23:25

Reddy P. Intravenous Fluid Therapy in Hospitalized Patients. Am J Ther. 2017 Nov 13.

Seegobin K, Maharaj S, Baldeo C, **Isache C**, Gharia B, Zuberi L. Mycobacteria Bovis osteomyelitis following intravesical BCG for bladder cancer. IDCases. 2017 Sep 28;10:75-78. PMID: 29034173

Perez Downes J., Palacio C., Miller A., Reddy P. Predicting Variables of Mortality among Patients with NT-proBNP > 70,000 Pg./Ml. Volume 23, Issue 8, Supplement, August 2017, Page S34

Isache, C. Non-cholera Vibrio infections, 2017 update, BMJ Best Practice

Haddad-Lacle J, **Bilello L**, Haddad C, Scuderi C. (2017). Implementation for Best Practice Tools to Improve Healthcare Effectiveness Data and Information Set (HEDIS) Scores across a Large Diverse Outpatient Network. Health Sciences Research. 4(6):64-67.

Scuderi C, Haddad CJ, **Bilello LA**, Lorbeer CF, Scuderi G, Shahady E. (2017). Improving Team-Based Care in Family Medicine: Lessons Learned from a Practice Transformation Study. *Osteopathic Family Physician*, 9(6):12-17.

Livingood WC, **Bilello LA**, Choe U, Lukens-Bull K. Enhancing the Science of Discovery in Public Health Systems and Services Research Through Participatory Research Methods. *Popul Health Manag*. 2017 Jul 11. doi: 10.1089/pop.2017.0042.

Abstracts/Presentations:

Hernandez J, Maharaj S, Chique J, **Isache C**. Primary Central Nervous System Lymphoproliferative Disorder in a Patient with Cadaveric Renal Transplant. Presented at UF Health Jacksonville, Research Day May 2018.

Steinberg S, **Isache C**. A rare case of mold peritonitis in the setting of continuous ambulatory peritoneal dialysis: A look at an emerging human opportunistic pathogen. Presented at UF Health Jacksonville, Research Day, May 2018.

Masri, G. Obesity Management. Oral Presentation at OBGYN residents' conference; Jacksonville, FL, April 2018

Isache, C. Why Do We Need Antimicrobial Stewardship? Presented at Grand Rounds; Jacksonville, FL, February 2018

Maharaj R. Decision Making in the Elderly. Presented at the UF Internal Medicine Update 2018. Omni Jacksonville, Jacksonville, FL, February 10, 2018

Isache, C. Neurological Infections: A Diagnosis Challenge. Presented at Jacksonville Area Microbiology Society Annual Meeting, November 2017

Phillips T, **Bilello LA**, De Lucca M. "Health Literacy: Teaching Youth the Financial Impacts of Healthy Behaviors and Decision Making" oral presentation at the American Public Health Association Annual Meeting, Atlanta GA, November 2017.

Cohen N, Richter J, Phillips T, **Bilello L**, De Lucca M. "Eat Smart Broward - A county wide healthy eating initiative" oral presentation at the American Public Health Association Annual Meeting, Atlanta GA, November 2017.

Isache, C. Skin and Soft Tissue Infections. Presented at Grand Rounds, UF Health Podiatry, October 2017

Bilello L, Azqueta M, Banzhaf M. "Evaluation of CBPR Programs and Lessons Learned" oral presentation at the People's Scientific Conference and 7th Annual Florida Community Health Worker Coalition Summit, Gainesville, FL, September 2017.

Posters:

Carlson J., **Jacob R**. A Rare Case of Emphysematous Urinary Tract Infection Poster presentation, UF research day 2018

Maharaj R. An Introduction to Palliative Care. Presented at Grand Rounds on July 19, 2017.

Editorial Board/Review:

Masri, G. JSciMed Central/JSM Clinical Case Reports.

Palacio C. Section Editor and Reviewer for General Internal Medicine Medstudy 16th edition

HONORS AND AWARDS

Linda Edwards, M.D.	Hanson Professorship of Medicine
Alan Halperin, M.D.	Chair, Institutional Review Board, UF & SJMC
Win Aung, MD	College of Medicine Excellence in Student Education Award 2018
Linda Edwards, M.D.	University of Florida Exemplary Teacher Award 2018
Ghania Masri, M.D.	University of Florida Exemplary Teacher Award 2018
Elisa Sottile, M.D.	University of Florida Exemplary Teacher Award 2018

CLINICAL ACTIVITIES

	AY 17/18
Inpatient Activity	
Numbers of Inpatient Admissions	4,857
Outpatient Activity	
Clinic Visits	15,329

CONTRACTS AND GRANTS

Investigator	Study Title	Project Period	Funded Amount	Sponsor
Bilello, (Evaluation PI)	Partnerships in Improving Community Health	9/2014-9/2017	\$94,971	CDC
Bilello, L (Evaluation PI)	Evaluation of the Systems of Care Initiative (SOC) Expansion Program.	9/2015 – 09/2019	\$66,658	SAMHSA
Bilello, L (Site PI)	ENRGISE- ENabling Reduction of low-Grade Inflammation in Seniors Pilot Study.	9/2016-5/2018	\$15,000	UF Institute for Aging/NIH
Bilello, L (Co-I)	Health-Smart for Weight Loss	1/2018 - Present	\$78,000	PCORI Health
Bilello, L (Evaluation PI)	Project Save Lives	11/2017 – Present	\$58,000	City of Jacksonville
Bilello, L (Evaluation PI)	Aware Project	4/2018 – 9/2018	\$20,000	SAMSHA
Bilello, L (Evaluation PI)	TOUCH Evaluation	11/2017 – 8/2018	\$26,563	Broward Regional Health Planning Council
Edwards, L (Co-PI)	Evaluate, Develop, and Implement Medication Safety Measures Using Medication Error Claim Reporting Systems and Medical Records	2016 - Present	\$18,700	Martin A. Smith Patient Safety and Quality Award
House, J. (Principle)	Standardization of an Ultrasound Guided Procedures Curriculum for an IM Residency	9/2013 – 3/2015	\$10,000	Dean's Grant
Masri, G (Sub-I)	A Placebo-Controlled, Randomized, Double-Blind, Parallel Group, Dose-Finding Trial to Evaluate the Efficacy and Safety of TBS-2 Intranasal Testosterone Gel in Women With Acquired Female Orgasmic Disorder	8/2011-5/2014	\$32,680.00	Trimel Biopharma SRL
Masri, G Participant	An Emergency Department to Home Intervention to Improve Quality of Life and Reduce Hospital Use	02/2015 – 02/2018		PCORI
Masri, G (Sub-I)	A Phase 3, Double-Blind, Placebo-Controlled, Randomized, Multi-Center Study to Evaluate the Safety and Efficacy of Estradiol in Combination with Progesterone in Postmenopausal Women with an Intact Uterus: Estradiol to Reduce the Frequency and Severity of Vasomotor Symptoms and Progesterone to Manage the Incidence of Endometrial Hyperplasia	8/2013 - 12/2016	\$113,520.00	TherapeuticsMD, Inc

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

DIVISION OF HEMATOLOGY AND MEDICAL ONCOLOGY
ACADEMIC YEAR 2018 (7/17 – 6/18)

Highlights

The Division of Hematology and Medical Oncology continued its clinical and academic missions during this past year. The division provides inpatient clinical consultation in hematology and medical oncology and maintains a thriving ACGME accredited oncology fellowship training program. Our division hosted and organized our first annual Breast Health Awareness Expo with current plans for a second annual expo to occur in fall 2018. We increased our community support by actively participating in the American Cancer Society's; Making Strides against Breast Cancer Walk on Team "UF Health in the Pink Zone". We were able to successfully donate and fundraise more than \$3,439 for the event. Two of our faculty, Dr. Hew and Dr. Zuberi were awarded as the University Of Florida College Of Medicine's Exemplary Teachers. A Hematology Fellowship application is in progress and will be submitted by July 1st.

Patient care: Our division has expanded with the addition of new faculty members. Our division continues to increase access to our inpatient and subspecialty experts in evaluations and treatment of hematologic malignancies. We provide service on campus, the only sickle cell clinic in Jacksonville, Florida, both outpatient and inpatient service. Patient care is readily convenient at our many locations such as the UF Health Jacksonville campus, Ambulatory Care Center, and UF Health North campus. Three of our providers offer patient consultations for both Hematology & Medical Oncology at UF Health North campus. To ensure the best quality of patient care, there has been a growing successful collaboration with multispecialty departments across the campus. All of our faculty members are working closely with the Proton Therapy Institute, the Department of Surgery, and Radiation Oncology. Faculty actively educate with patient education sheet facts; these are distributed by the physicians on different cancers (breast, colon, lung, colorectal). Our division continues to host the Oncology Pharma Expo quarterly. This program has been very successful in boosting faculty and staff moral and building better relationships with industry without disruption in clinical activity.

Quality metrics is taking a front stage in the department as we partner with UF Health's multi-disciplinary teams to include but not limited to pharmacy, research, EPIC and practice improvement to maximize data use for MIP's Metrics reporting and improved patient care.

Education: The medical oncology fellowship, under the direction of program director Dr. Dat Pham, has remained competitive and matched top candidates with 100% ABIM subspecialty board pass rate. The program successfully continues to maintain its ACGME accreditation. Dr. Rana enhances the medical oncology fellowship program as the associate program director. She provides preceptorship in the fellow's outpatient clinic and in the bone marrow clinic. Our providers offer a consult experience in hematology and oncology to residents at all training levels. This allows them to maintain autonomy in order to build their skills and confidence going forward, while ensuring that prompt diagnostic and therapeutic decisions are made in the patients' best interest. Faculty development sessions including those on small group teaching, teaching under time constraints and others are essential to the educational growth of our division.

The division continues to support the Internal Medicine Residency Program through facilitation of night float rotation, Internal Medicine resident's noon conference, and Grand Rounds. The oncology fellowship has rotations at Mayo Clinic Jacksonville (Bone Marrow Transplant). Medical oncology fellows have opportunities to contribute at weekly didactic lecture series which encourages and develops great teaching skills. Our monthly Journal Club is ongoing and generates discussion on various topics and the latest expansion in hematology and oncology. Our division has confirmed a letter of agreement from

Mayo Clinic. Rotating every two months at Mayo Clinic will expand the fellows' clinical knowledge with the opportunity to work with different specialists.

Research: The Division of Hematology and Medical Oncology continues to develop additional industry sponsored trials. Current trials continue to enroll and/or actively recruiting. In addition to actively recruiting industry trials, future studies will include data mining techniques using EPIC to improve process management and patient care. Our new research coordinator is working closely with oncology fellows and faculty assisting with publications and all aspects of new protocol development. New faculty are currently registering with NCI for access to those trials. We have a protocol going on a lung cancer study. Dr. Zuberi has two observational breast studies that are up and running. We have three active breast cancer trials that are in progress. Collaboration with UF Proton Therapy research trials continues. Our division continues to provide academic support to residents through mentorship in research endeavors.

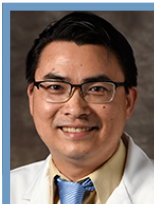
LISTING OF FACULTY MEMBERS



Jason Hew, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of West Indies, Trinidad and Tobago
University of Florida College of Medicine-Jacksonville
University of Florida College of Medicine-Jacksonville



Dat Pham, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

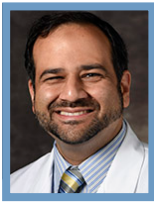
University of Florida, Gainesville
University of Florida, Gainesville
University of Florida, Gainesville



Fauzia Rana, M.D., Professor and Division Chief

Medical School
Internship/residency
Subspecialty training

F.J. Medical College, Pakistan
University of Rochester
Harvard Medical School



Marwan Shaikh, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of Toledo
University of Florida College of Medicine-Jacksonville
West Virginia University School of Medicine



Lara Zuberi, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

Aga Khan University, Pakistan
Henry Ford Hospital
Henry Ford Hospital

PUBLICATIONS

Zhu HJ, Nichols RC Jr., Henderson RH, Morris CG, **Pham DC**, Jones L, Hoppe BS. Proton therapy in stage II-IV non-small cell lung cancer: pattern of care and impact on trial accrual. *Acta Oncol.* 2018 May; 57(5):692-693. doi: 10.1080/0284186X.2017.1398413. PMID: 29103341.

Shaikh M, Sood R, Sarkar M, Thakur V. Quantitative Computed Tomography (CT) Assessment of Emphysema in Patients with Severe Chronic Obstructive Pulmonary Disease (COPD) and its Correlation with Age, Sex, Pulmonary Function Tests, BMI, Smoking, and Biomass Exposure. *Polish Journal of Radiology.* 2018; 82:760-766. doi:10.12659/PJR.903278.

Nguyen TA, Pham MT, Nguyen TL, Nguyen VN, **Pham DC**, Nguyen BH, Fox GJ. Video Directly Observed Therapy to support adherence with treatment for tuberculosis in Vietnam: A prospective cohort study. *Int J Infect Dis.* 2017 Dec; 65:85-89. doi: 10.1016/j.ijid.2017.09.029. PMID: 29030137.

Barton DL, Sloan JA, Shuster LT, Gill P, Griffin P, Flynn K, Terstriep SA, **Rana F**, Dockter T, Atherton PJ, Tsai M, Sturtz K, Lafky JM, Riepl M, Thielen J, Loprinzi CL. Evaluating the efficacy of vaginal dehydroepiandrosterone for vaginal symptoms in postmenopausal cancer survivors: NCCTG N10C1 (Alliance). *Support Care Cancer.* 2017 Sep 18. doi: 10.1007/s00520-017-3878-2. PMID: 28921241. (Supportive Care in Cancer Volume 26, Issue 2, 1 February 2018, Pages 643-650)

Gharia B, Seegobin K, Maharaj S, Marji N, Deutch A, **Zuberi L**. Letrozole-induced hepatitis with autoimmune features: a rare adverse drug reaction with review of the relevant literature. *Oxf Med Case Reports.* 2017 Nov 13; 2017(11):omx074. doi: 10.1093/omcr/omx074. PMID: 29230302.

Pham DC, Awad Z, Hoppe BS, **Hew J**, Ning K. Metastasectomy of Solitary Adrenal Metastasis From Small Cell Lung Cancer. *J Investig Med High Impact Case Rep.* 2017 Nov 3; 5(4):2324709617740909. doi: 10.1177/2324709617740909. PMID: 29147667.

Baldeo, C, Seegobin, K, **Zuberi L**. Immune thrombocytopenia as a consequence of Rocky Mountain spotted fever. *Case Reports in Oncology.* 2017 Oct 23; 10(3):945-947. doi: 10.1159/000481617. PMID: 29279696.

Seegobin K, Maharaj S, Baldeo C, Isache C, **Gharia B**, **Zuberi L**. Mycobacteria Bovis osteomyelitis following intravesical BCG for bladder cancer. 2017 Sep 28; 10:75-78. <https://doi.org/10.1016/j.idcr.2017.09.008>. PMID: 29034173.

Maharaj S, Seegobin K, Serrano-Santiago I, **Zuberi L**. Increased risk of arterial thromboembolic events with combination lenalidomide/dexamethasone therapy for multiple myeloma. *Expert Rev Anticancer Ther* 2017 Jul 23; 17(7):585-591. Epub 2017.

Presentations:

Zuberi, L. What Everyone Should Know About Breast Health. Oral presentation at: Public Forum, Omni Hotel, Jacksonville, FL, April 2018.

Gharia B, **Hew J**. Evaluation and improvement of pain management in cancer patients. Oral Presentation at: the University of Florida Health MEDPIC; Jacksonville, FL, July 2017.

Khuu J, **Zuberi L**, Pham, D., Diez-Freire, C., Metachronous Triple Positive Breast Cancer. Poster Presentation at: University of Florida Research Days; Jacksonville, FL, June 2018.

Gharia B, **Khuu J**, Seegobin K, Sharma, **Zuberi L**. A Rare case of Pineal Parenchymal Tumor of Intermediate Differentiation Presenting with Obstructive Hydrocephalus with Review of Literature. Poster Presentation at: University of Florida Research Days; Jacksonville, FL, June 2018.

Gharia B, **Khuu J**, Seegobin K, **Hew J**, **Zuberi L**. Evaluate the impact of aromatase inhibitor therapy patients with estrogen receptor positive breast cancer. Poster Presentation at: University of Florida Research Days; Jacksonville, FL, June 2018.

Seegobin K, Staggs E., Khawaja R, Maharaj S, Gautam S, Smotherman C, **Rana, F**. Does chemotherapy, radiotherapy or hormonal therapy increase the risk of multiple cancers? A pilot study at University of Florida, Jacksonville: 2011-2016. University of Florida Research Days, Poster June 2018. 6th Place Winner

Seegobin K, Staggs E, Khawaja R, Maharaj S, Gautam S, Smotherman C, **Rana F**. Does chemotherapy, radiotherapy or hormonal therapy increase the risk of multiple cancers? A pilot study at University of Florida, Jacksonville: 2011-2016. University of Florida Research Days, CSCTR-MWAFMR Annual Meeting 2018.

Maharaj S, Seegobin K, Morales J, **Shaikh M, Rana F**, Aysola A, House J. Heparin-induced Thrombocytopenia (HIT) testing at UF Health Jacksonville. Poster Presentation at: University of Florida Research Days, June 2018. 2nd Place Winner

Staggs E. Presentation to Dissemination and Publication Tools for Nurses. Oral Presentation at: University of Florida Health Jacksonville Nursing Research Council, November 2017.

Staggs E. The Illiterate Research Subject. IACRN. Poster Presentation. Rhode Island, October 2017.

Staggs E. Patient Assessment in the Recruitment, Screening and Enrolment Process. IACRN. Poster Presentation. Rhode Island, October 2017.

Staggs E. Presentation of Nursing Research Initiatives for University of Florida Health Jacksonville. Oral Presentation. London, UK, May 2018.

Staggs E. Diversification of Skill Sets to Include Quality for Research Purposes, An Understanding of Value-based Payment Systems .Poster Presentation. London, UK, May 2018.

CLINICAL ACTIVITIES

	AY 17/18
Inpatient Activity	
Number of Inpatient Admissions	875
Outpatient Activity	
Clinic Visits	5,972

CONTRACTS AND GRANTS

Investigator	Study Title	Project Period	Sponsor	Award Amount
Rana, F (principle)	DLS CA 2016: The Collection of Whole Blood and other Human Bio-fluid Specimens from Subjects Clinically Diagnosed with Cancer and/or other Related Disease	2016-2018	Discovery Life Sciences, Inc.	\$40,487.00
Rana, F (principle)	Connect® MDS and AML: The Myelodysplastic Syndrome (MDS) and Acute Myeloid Leukemia (AML) Disease Registry	2016-2018	Celgene Corporation	\$424,045.00

DIVISION OF INFECTIOUS DISEASE
ACADEMIC YEAR 2018 (7/17 - 6/18)**Highlights**

The Division of Infectious Diseases continued its clinical and academic missions during this past year. The division is comprised of 4 university based infectious diseases consultants at the primary teaching hospital, all of whom are dually boarded in Internal Medicine and Infectious Diseases, with an additional 11 ancillary faculty composed of board certified infectious diseases physicians, doctoral level microbiologists and doctoral level pharmacists who are actively involved in various aspects of 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 ID division and IM activities. Dr. Sands is the university ID Division Chief, ID Fellowship Program Director and the Chair of Hospital Infection Control for UF Health Hospital. Dr. Isache was the Chair of the Antimicrobial Stewardship Programs for UF Health Hospital and the ID Fellowship Associate 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 2016-2017 academic year, the division performed 435 inpatient infectious diseases consultations with over 800 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 2016-2017 academic year, there were 421 outpatient ID consultative 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 four UF Grand Rounds and two topical lectures at the Internal Medicine Annual Update.

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 re-accredited 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 in-patient 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 have continued to yield valuable results.

Publications and presentations this past academic year included three abstracts presented at UF Research Day, three published ID monographs and 17 journal articles published in peer reviewed journals.

LISTING OF FACULTY MEMBERS



Carmen Isache, M.D., Assistant Professor

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

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



Malleswari Ravi, M.D., Assistant Professor

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

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



Wilfredo Sanchez, M.D., Assistant Professor

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

Ponce School of Medicine, Puerto Rico
University of Florida College of Medicine-Jacksonville
University of Florida College of Medicine-Jacksonville


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

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

Georgetown University, Washington, DC
St. Mary's Hospital, San Francisco, CA
Tulane University School of Public Health & Tropical Medicine
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
Lisa Jones, MD
Vandana Seeram, MD
Amitesh Agarwal, M.D.

UF Health Hospital, Microbiology Laboratories

Yvette McCarter, Ph.D.

UF Health Hospital, Division of Pharmacy and Antimicrobial Stewardship

Christopher Jankowski, Pharm D.

Mayo Clinic – Transplantation ID

Walter Hellinger, M.D.
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
Manuscripts:

Maharaj S, Chang S, Seegobin K, **Isache, C.** Paraneoplastic acral vascular syndrome. Cleve Clin J Med. 2018 Feb;85(2):101-102. Doi:10.3949/ccjm.85a.17007. No abstract available.

Fields J, D Kelley, **Y McCarter** and **C Jankowski.** Impact of Routine Fosfomycin Susceptibility Testing on Incidence of Carbapenem Use for Extended-Spectrum Beta-Lactamase Producing Urinary Isolates. Accepted Journal of Antimicrobial Stewardship. 2018.

Tolbert S and **YS McCarter.** Vibrio vulnificus in a Patient with Predisposing Liver Disease. American Society for Clinical Pathology LabQ Clinical Laboratory 2018, American Society for Clinical Pathology Press, Chicago, IL.

Fields JC, Kelley D, McCarter YS, Jankowski CA. Impact of routine fosfomycin susceptibility testing on incidence of carbapenem use for extended-spectrum beta-lactamase producing urinary isolates. Journal of Antimicrobial Stewardship. 2018. Accepted for publication.

Castillo-Mancilla JR, Phillips AN, Neaton JD, Neuhaus J, Collins S, Mannheimer S, Pett S, Touzeau-Römer V, Polizzotto MN, Lundgren JD, Gardner EM for the INSIGHT SMART study group including **M. Sands** . Association of suboptimal antiretroviral therapy adherence with inflammation in virologically suppressed individuals enrolled in the SMART study. Open Forum Infect Dis 2018; 5(1), ofx275, <https://doi.org/10.1093/ofid/ofx275>.

Molina JM, Grund B, Gordin F, Williams I, Schechter M, Losso M, Law M, Ekong E, Mwelase N, Skoutelis A, Wiselka MJ, Vanderkerckhove L, Benfield T, Munroe D, Lundgren JD, Neaton JD for the INSIGHT START study group including **M. Sands**. Which HIV-infected adults with high CD4 T-cell counts benefit most from immediate initiation of antiretroviral therapy? A post-hoc subgroup analysis of the START trial. *Lancet HIV* 2018; [https://doi.org/10.1016/S2352-3018\(18\)30003-1](https://doi.org/10.1016/S2352-3018(18)30003-1) [Epub ahead of print].

Schlusser KE, Sharma S, de la Torre P, Tambussi G, Draenert R, Pinto AN, Metcalf JA, German D, Neaton JD, Laeyendecker O for the INSIGHT START Study Group including **M. Sands** p. Comparison of self-report to biomarkers of recent HIV infection: findings from the START trial. *AIDS & Behav* 2018; <https://doi.org/10.1007/s10461-018-2048-y> [Epub ahead of print].

Wright EJ, Grund B, Robertson KR, Cysique L, Brew BJ, Collins GL, Poehlman-Roediger M, Vjecha M, Penalva de Oliveira A, Standridge B, Carey C, Avihingsanon A, Florence E, Lundgren JD, Arenas-Pinto A, Mueller NJ, Winston A, Nsubuga MS, Lal L, Price RW for the INSIGHT START Neurology Substudy Group including **M. Sands** . No neurocognitive advantage for immediate antiretroviral treatment in adults with greater than 500 CD4+ T cell counts. *AIDS* 2018; doi: 10.1097/QAD.0000000000001778 [Epub ahead of print].

Seegobin K, Maharaj S, Baldeo C, **Isache C**, Gharia B, Zuberi L. Mycobacteria Bovis osteomyelitis following intravesical BCG for bladder cancer. *IDCases*. 2017 Sep 28;10:75-78. doi:10.1016/j.idcr.2017.09.008. eCollection 2017.

O'Connor J, Vjecha MJ, Phillips AN, Angus B, Cooper D, Grinsztejn B, Lopardo G, Das S, Wood R, Wilkin A, Klinker H, Kantipong P, Klingman KL, Jilich D, Herieka E, Denning E, Abubakar I, Gordin F, Lundgren JD for the INSIGHT START study group including **M. Sands**. Effect of immediate initiation of antiretroviral therapy on risk of severe bacterial infections in HIV-positive people with CD4 cell counts of more than 500 cells per μ L: secondary outcome results from a randomised controlled trial. *Lancet HIV* 2017.

Brumble L, Reza MB, Dhakal L, Cruz G, Heckman M, Vargas E, Libertin C, Freeman W. Fungal infections of the central nervous system: clinical, radiographical and laboratory manifestations. *J Microbiol Exp*. 2017; 5(6):00167. DOI: 10:15406/jmen.2017.05.00167.

Searcy R, **Jankowski CA**, Johnson D, Ferreira J. Evaluation of sedation-related medication errors in contact isolation patients in the ICU. *Journal of Hospital Infection*. 2017. doi: 10.1016/j.jhin.2017.06.025.

Smith MS, Erdman NJ, Ferreira JA, Aldridge P, **Jankowski CA**. Clinical utility of methicillin-resistant *Staphylococcus aureus* nasal polymerase chain reaction assay in critically ill patients with nosocomial pneumonia. *J Crit Care*. 2017; 38: 168-171

Baker JV, Sharma S, Achhra AC, Bernardino JI, Bogner JR, Duprez D, Emery S, Gazzard B, Gordin J, Grandits G, Phillips AN, Schwarze S, Soliman EZ, Spector SA, Tambussi G, Lundgren J for the INSIGHT START study group including **M. Sands** p. Changes in cardiovascular disease risk factors with immediate versus deferred antiretroviral therapy initiation among HIV-positive participants in the START (Strategic Timing of Antiretroviral Treatment) trial. *J Am Heart Assoc* 2017; 6:e004987. doi: 10.1161/JAHA.116.004987

Baker JV, Sharma S, Grund B, Rupert A, Metcalf JA, Schechter M, Munderi P, Aho I, Emery S, Babiker A, Phillips A, Lundgren JD, Neaton JD, Lane HC for the INSIGHT START study group including **M. Sands** . Systemic inflammation, coagulation, and clinical risk in the START trial. *Open Forum Infect Dis* 2017; 4(4), ofx262, <https://doi.org/10.1093>

Grady C, Touloumi G, Walker AS, Smolskis M, Sharma S, Babiker AG, Pantazis N, Tavel J, Florence E, Sanchez A, Hudson F, Papadopoulos A, Emanuel E, Clewett M, Munroe D, Denning E for the INSIGHT START Informed Consent Substudy Group including **M. Sands**. A randomized trial comparing concise and standard consent forms in the START trial. *PLoS ONE* 2017; 12(4):e0172607; PMID: PMC5406127.

Hart BB, Nordell AD, Okulicz JF, Palfreeman A, Horban A, Kedem E, Neuhaus J, Jacobs DR Jr, Duprez DA, Neaton JD for the INSIGHT SMART including **M. Sands** and ESPRIT Groups. Inflammation related morbidity and mortality among HIV-

positive adults: how extensive is it? *J Acquir Immune Defic Syndr* 2017; doi: 10.1097/QAI.0000000000001554 [Epub ahead of print]

Lifson AR, Grund B, Gardner EM, Kaplan R, Denning E, Engen N, Carey CL, Chen F, Dao S, Florence E, Sanz J, Emery S on behalf of INSIGHT START Study Group including **M. Sands**. Improved quality of life with immediate versus deferred initiation of antiretroviral therapy in early asymptomatic HIV infection. *AIDS* 2017; 31:953–963; PMID: PMC5373969.

Ronit A, Sharma S, Baker JV, Mngqibisa R, Delory T, Caldeira L, Ndembu N, Lundgren JD, Phillips AN for the INSIGHT START study group including **M. Sands**. Serum albumin as a prognostic marker for serious non-AIDS endpoints in the Strategic Timing of AntiRetroviral Treatment (START) study. *J Infect Dis* 2017; jix350, <https://doi.org/10.1093/infdis/jix350>.

Abstracts:

Bishop PA; **YS McCarter; C Isache; CA Jankowski**. Clinical impact of an antimicrobial stewardship initiative evaluating patients with *Clostridium difficile* colitis. American Society of Health-System Pharmacists Midyear Meeting, Orlando, FL, December 2017.

Wright L; KE. Heiner; **YS McCarter; C Isache; S Gautam; CA Jankowski**. Economic and clinical impact of blood culture contamination with gram-positive organisms. American Society of Health-System Pharmacists Midyear Meeting, Orlando, FL, December 2017.

Presentations:

McCarter, Yvette. ASM Clinical Microbiology 101 – The Clinical Microbiology Laboratory and The Basics of Clinical Microbiology. ASM Microbe 2018, Atlanta, GA, June 2018.

McCarter, Yvette. "Clinically Relevant Clinical Microbiology Practices". Southwestern Association of Clinical Microbiology Workshop, Kansas City, MO, April 2018.

McCarter, Yvette. "Clinically Relevant Clinical Microbiology Practices". Southwestern Association of Clinical Microbiology Workshop, San Antonio, TX, February 2018.

Jankowski, Chris. Antimicrobial Stewardship. Medical Grand Rounds for UF Health Jacksonville. February 2018.

McCarter, Yvette. Panel Chair and Participant "Ask the Experts – Malaria Testing and The Best Testing Methods for Detection of *Clostridium difficile*". Collaborative Alliance for Continuing Medical Laboratory Education webinar, December 2017.

McCarter, Yvette. "Microbiology's Role in Antimicrobial Stewardship – A Microbiologist's Perspective". Northeast Florida Society of Health-Systems Pharmacists Fall Meeting, Jacksonville, FL, October 2017.

McCarter, Yvette. "Clinically Relevant Work-Up of Bacteriology Cultures". American Society for Clinical Pathology Workshop, Anaheim, CA, October 2017.

Isache, Carmen. Zika Virus and Other Emerging Infections. 2017 Internal Medicine Update. Omni Hotel, Jacksonville, FL, January 2017.

Monographs and Book Chapters:

Mucormycosis. Palnitkar R, **Sands M**. BMJ Point-of-Care 2009, updated 2018; www.pointofcare.bmj.com.

Non-Cholera Vibrio infections. **Sands M. Isache C**. BMJ Point-of-Care 2009, updated 2018; www.pointofcare.bmj.com.

Hantavirus infections. **Sands M. Isache C**. BMJ Point-of-Care 2009, updated 2018; www.pointofcare.bmj.com.

CLINICAL ACTIVITIES

	AY 17/18
Inpatient activity	
Consults	767
Outpatient activity	
Clinic Visits	445

GRANTS AND CONTRACTS

Principal Investigator	Study Title	Project Period	Sponsor
Sands, M.	START – Strategic timing of antiretroviral therapy – A multi-national study. NIH – INSITE network * Continuous publications are being printed from this research study.	12/1/10-8/31/16	INSIGHT - NIH

DIVISION OF NEPHROLOGY AND HYPERTENSION
ACADEMIC YEAR 2018 (7/17 - 6/18)**Highlights**

In the 2017 - 2018 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 venture with DCI at the Gateway Unit has continued to expand the hemodialysis patient population there. ARNP's Melissa Goalen and Shatura Rowe played essential roles in the care of our large outpatient dialysis population. Lidia Dalessandro, ARNP has worked on the Nephrology Hospital Services and in the Chronic Kidney Disease Clinic in the Tower. Dialysis Clinics Inc. (DCI) purchased the Shands Basement Hemodialysis and Peritoneal Units at the end of the academic year, where UF has the Medical Directorship. These hemodialysis patients will eventually move to the nearby DCI Gateway and LaVilla Dialysis Units, while the peritoneal dialysis patients will move to the LaVilla Dialysis Unit.

Dr. Abdalagani Abakar Baher from UF Health Jacksonville and Dr. Ljubomir Ilic from Harvard/Beth Israel Hospital joined the Nephrology Faculty as Assistant Professors in the fall of 2017. Dr. Pradeep Kadambi from the University of Arizona, later joined the Nephrology Division and UF Health Jacksonville as Professor, Senior Associate Dean for Clinical Affairs of UF College of Medicine- Jacksonville and President and CEO of University of Florida Jacksonville Physicians, Inc. The efforts of the new faculty have boosted the clinical productivity and contributed to the teaching and research missions of the Division. Dr. Leighton James moved to the University of Augusta Medical Center at the end of the academic year.

In education, the Nephrology fellowship progressed successfully with continuation of Simulation Trainings and off-site renal transplant rotations. Dr. Leighton James continued to provide direction for the fellows' Renal Physiology Course. 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 Transplant Rotation at Mayo Clinic Jacksonville with a core lecture series. In addition, our annual Update in Nephrology & Hypertension CME Symposium was once again a success in 2018, with grant support from Dialysis Clinics Inc. and visiting professors from the University of Miami VAMC and the University of Augusta. In addition, both Dr. Leighton James and Dr. Ronald Mars received Faculty Teaching Awards this academic year.

The Division presented growth factor and glucose transporter research work on glomerular disease at the 2017 American Society of Nephrology meeting. The laboratory of Dr. Leighton James continued with funded basic research into growth factors involved in diabetic nephropathy. The laboratory of Dr. Charles Heilig continued with funded basic research studies into the pathogenesis of diabetic and nondiabetic glomerulosclerosis in mice, with a focus on the roles of Mechano-Growth Factor (MGF) and glucose transporters. Dr. Charles Heilig and Dr. Leighton James were recipients of a 3-year laboratory research grant from DCI, Inc. Dr. Heilig also has a Scott R. Mackenzie Foundation Research Grant for diabetic kidney disease studies in transgenic mice. Dr. Yongxin Gao, Assistant Scientist in the Nephrology Research Laboratories, continued her collaborative research work on glucose transporters, MGF and other growth factors in diabetic kidney disease. The Nephrology Research Laboratories also continued their participation in the University of Florida Diabetes Institute to contribute Type 2 diabetes research to the mission. Dr. Heilig gave an international research presentation at the 2017 Biomedical Transporters Meeting in Lausanne, Switzerland, and a research presentation at the 2017 Southern Salt Water & Kidney Club meeting in Sarasota, FL.

Fellows and/or faculty attended and participated in meetings of the American Society of Nephrology, the National Kidney Foundation, a national Home Dialysis Educational Seminar, the Update in Nephrology & Hypertension 2018 Symposium and the Internal Medicine Update 2018 Symposium.

Patient care: The Division of Nephrology provides physician services and the medical director for two outpatient chronic dialysis units and also provides services to the inpatient UF Health Jacksonville acute hemodialysis unit. The newer Gateway Dialysis Unit in Jacksonville continues to grow with hemodialysis service at that site. The total chronic dialysis population cared for by UFCOM-J nephrologists has reached approximately 290 patients, hemodialysis and peritoneal dialysis patients included. Faculty clinics are staffed at the Towers Clinic on the downtown campus by the nephrology faculty members. The nephrology clinics at the UF Health Jacksonville campus include the Nephrology Faculty Clinics, the Anemia Clinic, the Post-Renal Transplant Clinic, the Fellows' Continuity Clinics, the Correctional Facility Clinic, the HD Outpatient Center, the PD Clinic, and fellow participation in an associated Vascular Access Clinic located in the Department of Surgery. The inpatient Nephrology Consult Services continue with a high level of activity and a daily combined census of approximately 25-50 patients. There are separate Nephrology Hospital Services: the Acute Renal Disease & Renal Transplant Consult Service, and the Chronic Dialysis Consult Service. These two services continue to provide important educational platforms for fellows, medical residents & students. Dr. Ronald Mars continues in his position as Quality Officer for the Division.

The Division is working 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 continued to serve as another platform for education of the fellows and care of patients previously transplanted at this program.

Education: Dr. Leighton James, Professor of Medicine, was Interim Associate Program Director this year, and passed on this duty to Dr. Ljubomir Ilic in June 2018. Dr. James initiated the fellows' Renal Physiology Course in 2010, which continues under Dr. Ilic's guidance as an important addition to 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 Update in Nephrology & Hypertension 2018 CME Symposium in Jacksonville provided by the Division was well attended and received. This is an important educational venue for fellows and faculty alike. The Division plans another course in the Spring of 2019. Visiting professors from out of state included Dr. Leopoldo Raij and Dr. Stanley Nahman, who provided special lectures in renal physiology and molecular biology which complemented the fellows' educational program.

The Nephrology faculty continue to participate in educational programs for the Medicine residents, including the Night Float Rotation, Medicine Residents' Noon Conferences, Nephrology Clinics & the Nephrology 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 glucose transporter & growth factor roles in diabetic glomerular disease, to nondiabetic glomerular disease and renal transplant rejection. Dr. Heilig's laboratory focuses on glucose transporter- and MGF- regulation of glomerulosclerosis in both diabetic and nondiabetic kidney disease. This laboratory continues to be funded from two outside sources. Dr. James' laboratory focused on growth factors in the pathogenesis of diabetic nephropathy and he is Co-Principal Investigator with Dr. Heilig on a DCI Research Grant. Dr. Ljubomir Ilic obtained IRB approval for both a translational research study on GLUT1 alleles in ESRD patients, and a fellows' diversity study of renal transplant referrals in our chronic dialysis population.

Diversity study results will be presented at the 2018 American Society of Nephrology meeting. Dr. Abdalagani Abakar Baher is working to build his clinic with an emphasis on glomerulonephritis cases.

The Nephrology fellows participated in various different research studies & scholarly activities as part of their research training. Fellows also attended and participated in research activities at the 2017 American Society of Nephrology Meeting and the National Kidney Foundation Meeting. The Nephrology Division produced 3 manuscripts, 4 abstracts and 1 presentation. There were also 3 active grants in the Division this year (2 research grants & 1 education grant).

Special Initiatives:

Nephrology & Hypertension Annual Update, Jacksonville, FL: This year's meeting was organized by Dr. Ronald Mars and the UFCOM-Jacksonville Division of Nephrology. It was held at the Omni Hotel in downtown Jacksonville with strong attendance by local healthcare professionals, and was well received. This yearly meeting provides education and CME credits. Doctors, nurses and others involved in the care of patients with renal disease attend the meeting.

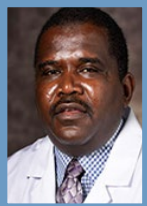
Nephrology Fellows' Quality Improvement Project in Dialysis: The faculty worked with the fellows on this important activity which helped to fulfill the ACGME – required competency requirements.

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



Abdalagani Abakar Baher, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

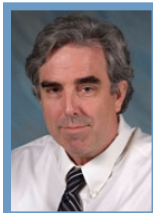
University of Khartoum, Khartoum, Sudan
Interfaith Medical Center, Brooklyn, NY
University of Florida College of Medicine-Jacksonville



Yongxin Gao, M.D., Assistant Scientist

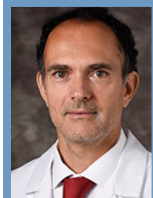
Medical School
Postdoctoral training

Jiamusi Institute of Medicine, China
Department of Pharmacology, University of Florida

**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

**Ljubomir Ilic, M.D., M.P.H., Assistant Professor**

Medical School
Professional Education
Internship/residency
Subspecialty training

Harvard Medical School
Harvard School of Public Health
Yale University School of Medicine
Beth Israel Deaconess Medical Center, Harvard Medical School

**Leighton James, M.D., Professor**

Medical School
Internship/residency
Subspecialty training

University of Toronto
University of Toronto
University of Toronto

**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:

Dill J, Bixby B, Ateeli H, Sarsah B, Goel K, Buckley R, Finkelshteyn I, Thajudeen B, Kadambi PV, Bime C. Renal replacement therapy in patients with acute respiratory distress syndrome: a single-center retrospective study. *International Journal of Nephrology and Renovascular Disease*. 2018:11.

Ilic L, Davis RB, Brown RS, Lecker SH. The Interdialytic Creatinine Rise is a novel marker of volume overload and mortality risk in hemodialysis patients. *BMC Nephrol*. 2018 Aug 16;19(1):202.

Sardar A, Thajudeen B, Kadambi PV. Histoplasma Peritonitis: An Extremely Rare Complication of Peritoneal Dialysis. *Case Rep Nephrol*. 2018 May 10;2018:8015230. doi: 10.1155/2018/8015230. eCollection 2018. PMID: 29862101.

Agrawal N, Echenique IA, Meehan SM, Limaye AP, Cook L, Chang A, Harland RC, Javaid B, Kadambi PV, Matushek S, Williams J, Josephson MA. Variability in assessing for BK viremia: whole blood is not reliable and plasma is not above reproach - a retrospective analysis. *Transpl Int*. 2017 Jul;30(7):670-678.

Abstracts:

Gao Y, James LR, Baher A, Baher, Shin N, Bueno E, Heilig CW. High Glucose Induction of the GLUT1 Glucose Transporter and Mechano-Growth Factor (MGF) in Human Mesangial Cells (HMC) Portends Their Roles in Human Diabetic Nephropathy. JASN 28 (Abstract Suppl.):1-23, 2017.

Gao Y, Heilig CW, James LR. Connective Tissue Growth Factor (CTGF, CCN2) Is Sufficient to Drive Expression of Collagen IV, Fibronectin and Mesangial Expansion. JASN 28 (Abstract Suppl.):587, 2017.

Gao Y, Heilig K, James LR, Makary R, Heilig CW. Common Roles for Glucose Transporter GLUT1 in both Nondiabetic and Diabetic Glomerulosclerosis. Biomedical Transporters conference (Abstract), Lausanne, Switzerland, Aug. 2017.

Ilic LM, Brown RS, Davis RB, Lecker SH. The Interdialytic Creatinine Rise Is a Novel Marker of Volume Overload and Mortality Risk in Hemodialysis Patients. JASN 28 (Abstract Supplement):608, 2017.

Presentations:

Heilig CW, Gao Y, James LR. Human Mesangial Cells Exhibit High Glucose-Induced Mechano-Growth Factor (MGF) and Glucose Uptake: Mechanisms for Excess ECM Production in Diabetes. Southern Salt Water and Kidney Club, Lido Beach, Sarasota, FL., Dec. 2017.

Book Chapters:

Kadambi PV, Daniel Brennan; Chon WJ Barbara Murphy, ed.; Differential Diagnosis of Renal Allograft Dysfunction; www.uptodate.com; 2018.

HONORS AND AWARDS

James, Leighton. Faculty Teaching Award.

Mars, Ronald. Faculty Teaching Award.

Heilig, Charles. Chair, Review Section, Dept. of Defense, CDMRP Grants, 2017.

CLINICAL ACTIVITIES

Inpatient activity	AY 17/18
Initial inpatient encounters	1,211
Inpatient dialysis treatments	3,439
Outpatient activity	
Clinic visits	2,786
Outpatient dialysis visits (full month)	3,033

CONTRACTS AND GRANTS

Principal Investigator	Title	Project period	Sponsor	Award Amount
Heilig, C	Mechano – Growth Factor (MGF) Roles in Diabetic Glomerulosclerosis - A New Factor Promoting Diabetic Kidney Disease	7/2016 – 6/2019	Dialysis Clinics Inc.	\$346,599
Heilig, C	Reversal of Diabetic Glomerulosclerosis by Inhibition of the Mesangial Cell Glucose Transporter GLUT1.	12/2016 – 11/2018	Scott R. MacKenzie Foundation	\$250,000
Mars, R	Update in Nephrology & Hypertension 2018	4/2018	Dialysis Clinics Inc.	\$35,000

DIVISION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE
ACADEMIC YEAR 2018 (7/17 - 6/18)

Highlights

The Division of Pulmonary, Critical Care and Sleep Medicine has shown growth with Dr. Hadi Hatoum joining the faculty in July 2017 and Dr. Nabil Messiah as our clinic Physician Assistant downtown and Mei Lyn, ARNP supporting our North Pulmonary clinic. The fellowship training program continues to be popular with over 300 applications for the two available positions per year. Clinically, we have had continued growth with expansion of Pulmonary Disease and Sleep clinics at UF North. Academically, the division continues to be productive in the areas of clinical and original research and publications. The faculty was involved as moderators and presenters for various sessions in Society of Critical Care Medicine, Pulmonary Hypertension Association, SETA and ATS conferences. The fellows, under the mentorship of faculty, are engaged in a number of clinical 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 specialized 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 now is involved in successful industry funded clinical research in this arena. We added a support group for patients and loved ones with Pulmonary Hypertension. The division continues to be involved with the Pulmonary Rehabilitation program in conjunction with the Departments of Physical Therapy and Respiratory Therapy.

Dr. Mariam Louis and Dr. Vandana Seeram were promoted to Associate Professor. Dr. Louis is the co-Medical Director of the Sleep Lab and has expanded services to the North campus with increased overall productivity. She is active in facilitating writing of academic book chapters with our fellows and residents. Dr. Louis has received the W. Smith and Deans Grant for quality improvement projects. Dr. Louis who will be the Medical Director and has spearheaded the Pulmonary Rehabilitation program to assure excellence of care is provided.

The pulmonary hypertension clinic, under the leadership of Dr Seeram, continues to be a nationally known referral center with patients being referred from regions all over the east coast. As member of the Pulmonary Hypertension Association, it is set to become a center of comprehensive care. The clinic currently manages over 200 pulmonary hypertension patients. Performing right heart catheterizations in a dedicated suite has led to excellent patient through put. The program is preparing to undergo certification as a Center of Comprehensive Care (CCC) under Pulmonary Hypertension Association (PHA).

Janice Wood, RRT continues to be the Pulmonary Hypertension and Interstitial Lung Disease Program Coordinator.

Under Dr. Jones' supervision, the Interstitial Lung Disease and Sarcoidosis clinic continues to expand and is involved in numerous clinical trials in the area of IPF.

The fellows' continuity clinic is staffed by at least 5 fellows once a week and supervised by faculty. The number of pulmonary function tests performed has also accordingly increased.

The thoracic oncology clinic continues its multidisciplinary approach to patients with thoracic malignancy. The division successfully initiated the interventional pulmonary program at the North campus under Dr. Hadi Hatoum. The already extensive interventional pulmonary program with EBUS and navigational bronchoscopy for peripheral lung lesions continues to grow with all 6 fellows obtaining certification in navigational bronchoscopy.

The inpatient pulmonary consult service continues to be busy and, with the continued evolution of the bronchoscopy suite and the number, efficiency and timeliness of bronchoscopic procedures offered by the division were enhanced with the addition of the bronchoscopy suite on the North campus.

Education: The faculty has been invited to present lectures at international conferences such as Chest and ATS 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 2017-2018. 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. Drs. Cury, Seeram and Jones were honored by University of Florida College of Medicine-Gainesville with the Exemplary Teacher Awards for 2017 and 2018 and Dr Louis in 2018. Dr. Seeram was honored by University of Florida College of Medicine-Jacksonville with Teacher of Year Award for years 2016, 2017 and 2018.

The pulmonary and critical care fellowship program, under the direction of Dr. Cury as Program Director, remains strong. The board pass rate has been at 100% for both Critical Care and Pulmonary exams. Dr. Seeram's position as the Associate Program Director, along with Dr. Cury, are responsible for coordinating the educational activities for the fellowship. The fellows are regularly mentored by a faculty member in preparation for presentation of lectures.

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.

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 that program. This year Dr. Jones was honored by the Naval Hospital with the Admiral Paul Kaufman award for excellence in care for beneficiaries. 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 clinical research coordinator, Fallon Wainwright, has enabled the division to participate in more collaborative based clinical research protocols including sleep medicine and rheumatology.

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.

The focus of the division is to enhance collaboration with other departments and regional centers and continue to strive for excellence in this arena.

LISTING OF FACULTY MEMBERS

**Amitesh Agarwal, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

Maulana Azad Medical College
Cleveland Clinic Florida
University of Texas

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

Medical School
Internship/residency
Subspecialty training

University of Miami
Barnes Hospital/Washington
Washington University

**Hadi Hatoum, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

American University of Beirut
Indiana University School of Medicine
University of Texas Southwestern

**Lisa Jones, M.D., Associate Professor and Division Chief**

Medical School
Internship/residency
Subspecialty training

University of Cincinnati
University Hospital Cincinnati
Naval Medical Center

**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)

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

Medical School
Internship/residency
Subspecialty training

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

PUBLICATIONS

Seegobin K, Babbar A, Ferreira J, Lyons B, Cury J, Seeram V. A case of worsening pulmonary arterial hypertension and pleural effusions by bosutinib after prior treatment with dasatinib. *Pulm Circ.* 2017 Oct-Dec; 7(4):808-812. PMID: 28914582.

Gupta E, Siddiqi FS, Kunjal R, Faisal M, Al-Saffar M, Bajwa AA, Jones LM, Seeram V, Cury JD, Shujaat A. Association between aspirin use and deep venous thrombosis in mechanically ventilated ICU patients. *J Thromb Thrombolysis.* 2017 Oct; 44(3):330-334. PMID: 28717966

Nanda R, Flampouri S, Mendenhall NP, Indelicato DJ, Jones LM, Seeram VK, Hoppe BS. Pulmonary Toxicity Following Proton Therapy for Thoracic Lymphoma. *Int J Radiat Oncol Biol Phys.* 2017 Oct 1; 99(2):494-497. PMID: 28872001

Bhatti H, Ramdass A, Cury JD, Jones LM, Shujaat A, Louis M, Seeram V, Bajwa AA. Operator dependent factors implicated in failure of non-invasive positive pressure ventilation (NIPPV) for respiratory failure. *Clin Respir J.* 2017 Nov; 11(6):901-905. PMID: 26663322

Louis M, Rodriguez R, Staiano P, Najjar N, Ashby T, Celso B. Do Co-Morbidities in Patients With Insomnia Delay the Diagnosis of Osa? *CHEST.* 2017 Oct; 152(4):1080

Shujaat A, Bajwa AA, Al-Saffar F, Bellardini J, Jones L, Cury JD. Diagnostic accuracy of echocardiography combined with chest CT in pulmonary hypertension. *Clin Respir J.* 2018 Mar;12(3):948-952. PMID: 28063199.

Seegobin K, Bueno E, Maharaj S, Ashby T, Brown M, **Jones L.** Toxic epidermal necrolysis after ivermectin. *Am J Emerg Med* 2018 May 36(5):887-889. Epub 2017 Sep 14. PMID: 28927997

Dakkak M, Cullinane WR Jr, Ramoutar VRN. Corrigendum to "Subdural Empyema Complicating Bacterial Meningitis: A Challenging Diagnosis in a Patient with Polysubstance Abuse". *Case Rep Med.* 2017; 2017:6145716. doi: 10.1155/2017/6145716. Epub 2017 Nov 14.

Abstract – Case Reports:

Babbar A, Sidiqi F, Muhammad F, Bajwa A, Agarwal A, Cury J, Seeram V, Jones LM, Louis M, Treger K. Use of Non-Invasive Mechanical Ventilation to Prevent Hypoxia during Bronchoscopy in Patients with Sleep Apnea or at High Risk of Sleep Apnea. *Am J Respir Crit Care Med* 2017; 195:A2576.

Bellardini J, Jones LM, Bajwa A, Cury J, Seeram V, Babbar A, Ferreira J. Do Standardized Order Sets Adversely Affect Medical Education? A Performance Improvement Project Managing Diabetic Ketoacidosis Patients. *Am J Respir Crit Care Med* 2017; 195:A3297.

Treger K, Jones L, Bajwa A, Seeram V, Cury J, Agarwal A, Louis M. Sleep Quality Perception in the ICU. A Quality Improvement Project. *American Journal of Respiratory and Critical Care Medicine* 2017:195:A57773.

Posters:

Hatoum H, Cullinane WR. Refractory Myasthenia Post Thymectomy" Poster at SETA 2018 and a slide session at CHEST 2018.

Presentations:

Louis M, Najjar N, Ashby T. Do Co-Morbidities in Patients With Insomnia Delay the Diagnosis of Osa? Abstract Presentation. *Chest* Nov 2017 Toronto, Canada.

Ashby T. An extremely rare case of c.418C> T cystic fibrosis transmembrane regulator gene mutation causing recurrent sinopulmonary infections and bronchiectasis. Poster presentation American Thoracic Society (ATS) International Conference May 2018. San Diego, CA.

HONORS AND AWARDS

James D. Cury, M.D.	Exemplary Teacher Awards	2017/2018
Lisa M. Jones, M.D.	Exemplary Teacher Awards	2017/2018
	Teacher of Year Awards	2016/2017/2018
Vandana Seeram, MD	Exemplary Teacher Awards	2017/2018

CLINICAL ACTIVITIES

	AY 17/18
Inpatient activity	
Initial Inpatient Encounters	950
Outpatient activity	
Clinical Visits	5,823
Procedures	
Bronchoscopies	447
Sleep Studies	753
Right Heart Caths	64

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Dates	Sponsor	Award
Cury, J	Leep :Losartan Effects on Emphysema Progression (COPD)	2017 - present	John Hopkins	
Seeram, V	Sphere : Upravi® (Selexipag): the usErs dRug rEgistry	11/2017 - present	Actelion	\$6,500
Seeram, V	RIN-PH-201 – enrolling: A Multicenter, Randomized, Double-Blinded, Placebo-Controlled Trial to Evaluate the Safety and Efficacy of Inhaled Treprostinil in Subjects with Pulmonary Hypertension due to Parenchymal Lung Disease	11/2017 - present	United Therapeutics	\$24,384
Cury, J	D3250C00045 – enrolling: A Multicenter, Randomized, Double-blind, Parallel Group, Placebo-controlled, Phase 3b Study to Evaluate the Safety and Efficacy of Benralizumab 30 mg sc in Patients with Severe Asthma Uncontrolled on Standard of Care Treatment	7/2017 - present	AstraZeneca	\$20,569
Cury, J	Coco – enrolling: Chronic Refractory Cough Cohort Study	2/2018 - present	John Hopkins	
Jones, L	BI 1199.214 – in follow-up: A double blind, randomized, placebo-controlled trial evaluating efficacy and safety of oral nintedanib treatment for at least 52 weeks in patients with 'Systemic Sclerosis associated Interstitial Lung Disease'(SSc-ILD)	10-1-2016 - present	BI	\$25,433
Jones, L	BI 1199.247 – in follow-up: A double blind, randomized, placebo-controlled trial evaluating the efficacy and safety of nintedanib over 52 weeks in patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD)	2017 - present	BI	\$25,788
Jones, L	BI 1199.225 – roll over from 1199.214: An open-label extension trial to assess the long term safety of nintedanib in patients with 'Systemic Sclerosis associated Interstitial Lung Disease' (SSc-ILD)	9/12/18 – present	BI	\$29,522
Jones, L	BI 1199.248 – rollover of 1199.247 An open-label extension trial of the long-term safety of nintedanib in patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD)	Upcoming	BI	\$12,912
Louis, M	Phillips Respironics COPD - upcoming	upcoming	Phillips	\$79,585

DIVISION OF RHEUMATOLOGY AND CLINICAL IMMUNOLOGY
ACADEMIC YEAR 2018 (7/17 - 6/18)

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 is grateful for the continued guidance of our leadership, including our chairman, Dr. Arshag Mooradian. The Division had significant accomplishments in patient care, research and education.

We welcomed Dr. Laurie Ramrattan who joined our faculty on November 6, 2017. She is board certified in Internal Medicine and Rheumatology. She completed her Internal Medicine residency and Rheumatology fellowship training at the University Of Florida College Of Medicine, Jacksonville. She has achieved the RhMSUS musculoskeletal ultrasound certification as well as certification as a clinical densitometrist (CCD).

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. Our graduated fellows have now all certified in Musculoskeletal Ultrasound. We are grateful to all the staff and Graduate Medical Education office in successfully applying and receiving Rheumatology Fellowship. The first fellow, Jaspreet K Kaler has started her training in July 2018. The Division organized the eighth extremely successful annual CME musculoskeletal ultrasound sound training course. It was attended by national and international Rheumatologists as well as fellows in training.

The Division has been successful in recruiting faculty members. However, the backbone to our success is the loyal and hardworking staff at our clinics, hospital and administrative offices.

Patient care: The Division maintained its clinical volume and growth. Patients with numerous medical conditions including, but 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, 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 but the rheumatology fellowship program was a major cornerstone in the growth and development of our academic program.

The Rheumatology Fellowship started in July 2011. It has graduated three fellows. Dr. Laurie Ramrattan graduated in June 2015 and had been practicing Rheumatology in Trinidad before recently returning to

UFCOM-Jacksonville as faculty in the Division of Rheumatology. The fellowship provided a strong clinical focus as well as many opportunities in clinical research, quality improvement as well as musculoskeletal ultrasound. The fellowship had accreditation until July 2015. The Division has successfully attained fellowship accreditation starting in July 2018.

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 ninth Musculoskeletal Ultrasound Course in March 2017 was a great success. This was a 3-day CME hands-on training course that uniquely utilized our state of the art simulation laboratory at the UFCOM-J. Dr. Kaeley organized the course and served as faculty, providing lectures and practical ultrasound instruction. Dr. Ramrattan served as the course assistant, as well as anatomy prosector and instructor. The course was attended by rheumatology educators and fellows from 28 States, as well as from Canada. The attendees were very complimentary of the innovative cadaver-based curriculum held in the UFCOM-J CSESaR Simulation Center. The course was complimented by an eLearning component. Faculty have also produced eLearning material featured on national websites and are deeply involved in Musculoskeletal Ultrasound education nationally and internationally. Some of the international courses have utilized cutting edge models produced by the UFCOM-J simulation center. The Division is grateful for the hard work of the simulation staff in making the courses such a success. The Division has also been heavily involved in musculoskeletal ultrasound advocacy by assisting the American College of Rheumatology and Florida Society of Rheumatology in coordinating efforts to interact with Medicare representatives.

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. 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 collaborated with multiple national renowned researchers. Projects so far have included studying cardiovascular health in Caucasian cocaine abusers, as well as correlating dysfunctional HDL with other imaging and cardiovascular biomarkers in South Asians. Dr. Kaeley was awarded the Dean's Grant for the study on cardiovascular markers in South Asians. Results of these have been presented regionally as well as submitted for publication. The Division is actively collaborating 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. 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 annual meeting in Washington DC. Members of the Division are closely involved with the Outcome in Clinical Rheumatology Trials (OMERACT) musculoskeletal ultrasound group and is leading the project at developing sonographic outcome tools in psoriatic arthritis and dactylitis. The division has also been supporting the mission of the Institutional Review Board 03 by participating in its board activities.

LISTING OF FACULTY MEMBERS

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

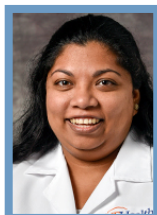
Medical School
Internship/residency
Subspecialty training

The London Hospital Medical College, London, UK
University of Tennessee College of Medicine
University of Tennessee College of Medicine

**Laurie A. Ramrattan, M.D., Assistant Professor**

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

University of West Indies
University of Florida College of Medicine-Jacksonville
University of Florida College of Medicine-Jacksonville

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

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

University of West Indies
University of Florida College of Medicine-Jacksonville
Jackson Health System, Miami FL (Geriatrics)
University of Wisconsin (Rheumatology)

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

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

Institute of Medicine, Yangon, Myanmar
Lutheran Medical Center, New York
University of Miami, Miller School of Medicine

PUBLICATIONS

Manuscripts:

Kaeley GS, MacCarter DK, Goyal JR, Liu S, Chen K, Griffith J, Kupper H, Garg V, Kalabic J. Similar Improvements in Patient-Reported Outcomes Among Rheumatoid Arthritis Patients Treated with Two Different Doses of Methotrexate in Combination with Adalimumab: Results From the MUSICA Trial. *Rheumatol Ther*. 2018 Mar 24. doi: 10.1007/s40744-018-0105-7. [Epub ahead of print] PubMed PMID: 29574622.

Kaeley GS, Eder L, Aydin SZ, Gutierrez M, Bakewell C. Enthesitis: A hallmark of psoriatic arthritis. *Semin Arthritis Rheum*. 2018 Jan 6. pii: S0049-0172(17)30627-3. doi: 10.1016/j.semarthrit.2017.12.008. [Epub ahead of print] Review. PubMed PMID: 29429762.

Kaeley GS, Eder L, Aydin SZ, Gutierrez M, Bakewell C. Enthesitis: A hallmark of psoriatic arthritis. *Semin Arthritis Rheum*. 2018 Jan 6. pii: S0049-0172(17)30627-3. doi: 10.1016/j.semarthrit.2017.12.008. [Epub ahead of print] Review. PubMed PMID: 29429762.

Burmester GR, **Kaeley GS**, Kavanaugh AF, Gabay C, MacCarter DK, Nash P, Takeuchi T, Goss SL, Rodila R, Chen K, Kupper H, Kalabic J. Treatment efficacy and methotrexate-related toxicity in patients with rheumatoid arthritis receiving methotrexate in combination with adalimumab. *RMD Open*. 2017 Sep 17;3(2):e000465. doi: 10.1136/rmdopen-2017-000465. eCollection 2017. PubMed PMID: 28955494; PubMed Central PMCID: PMC5604722.

Dodani S, **Kaeley GS**, Arora S, Reddy ST. Coronary artery disease in high risk South Asian immigrants: Role of dysfunctional HDL in risk prediction, *Indian Heart J*. 2017 Sep - Oct;69(5):658-659. doi: 10.1016/j.ihj.2017.07.014. Epub 2017 Jul 29. PubMed PMID: 29054195; PubMed Central PMCID: PMC5650584.

Möller I, Janta I, Backhaus M, Ohrndorf S, Bong DA, Martinoli C, Filippucci E, Sconfienza LM, Terslev L, Damjanov N, Hammer HB, Sudol-Szopinska I, Grassi W, Balint P, Bruyn GAW, D'Agostino MA, Hollander D, Siddle HJ, Supp G, Schmidt WA, Iagnocco A, Koski J, Kane D, Fodor D, Bruns A, Mandl P, **Kaeley GS**, Micu M, Ho C, Vlad V, Chávez-López M, Filippou G, Cerón CE, Nestorova R, Quintero M, Wakefield R, Carmona L, Naredo E. The 2017 EULAR standardised procedures for ultrasound imaging in rheumatology. *Ann Rheum Dis*. 2017 Aug 16. pii:annrheumdis-2017-211585. doi: 10.1136/annrheumdis-2017-211585. [Epub ahead of print] PubMed PMID: 28814430.

Torralba KD, Cannella AC, Kissin EY, Bolster MB, Salto LM, Higgs J, Samuels J, Nishio MJ, **Kaeley GS**, Evangelisto A, De Marco P, Kohler MJ. Musculoskeletal Ultrasound Instruction in Adult Rheumatology Fellowship Programs. *Arthritis Care Res (Hoboken)*. 2017 Aug 4. doi:10.1002/acr.23336. [Epub ahead of print] PubMed PMID: 28777891.

Jalandhara P, **Kaeley G**. Cutaneous Toxicity of Low-Dose Methotrexate. In press. Baylor University Medical Center Proceedings. DOI: 10.1080/08998280.2018.1463039

Book Chapters:

Kaeley GS. Use of ultrasound in psoriatic arthritis. In press: *Oxford Textbook of Psoriatic Arthritis*. Edited by Oliver FitzGerald and Dafna Gladman. Oxford University Press. Chapter 17. ISBN: 9780198737582. 2018

Electronic Publication Monographs:

Kaeley GS, Evaluation of Seronegative Arthritis. *BMJ Point-of-Care*; www.pointofcare.bmj.com. (Reviewed August 2017: <https://online.epocrates.com/u/29111057/Evaluation+of+seronegative+arthritis>).

Kaeley GS, Cryoglobulinemia. *BMJ Point-of-Care*; www.pointofcare.bmj.com. (Reviewed August 2017: <https://online.epocrates.com/u/2911870/Cryoglobulinemia>).

Web Based Electronic Learning Content:

2018 - Present: **Kaeley GS**, Eder L, Aydin SZ, Gutierrez M, Bakewell C. Dactylitis: A hallmark of psoriatic arthritis audio slide presentation:

<http://linkinghub.elsevier.com/retrieve/doi/10.1016/j.semarthrit.2018.02.002?goto=sd>

<http://audioslides.elsevier.com/getvideo.aspx?doi=10.1016/j.semarthrit.2018.02.002>

2018 – Present: **Kaeley GS**, Eder L, Aydin SZ, Gutierrez M, Bakewell C. Enthesitis: A Hallmark of Psoriatic Arthritis audio slide presentation:

<http://linkinghub.elsevier.com/retrieve/doi/10.1016/j.semarthrit.2017.12.008?goto=sd>

<http://audioslides.elsevier.com/getvideo.aspx?doi=10.1016/j.semarthrit.2017.12.008>

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**, Musculoskeletal Ultrasound CME Pre-Course Module. (CME provided by Suwanee Area Health Education Centers (AHEC).

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:

Ramsubeik K, Thway M, Ramrattan LA, Brooks S, Dang L, **Kaeley G**. Review Of Routine Laboratory Monitoring For Patients With Rheumatologic Conditions Being Initiated On Or Receiving Non-biologic Or Biologic Disease Modifying Anti Rheumatic Drugs (DMARDs). Poster presentation at: UF College of Medicine Advances in Medical Education 2018, Jacksonville, FL; June 13th 2018

Ramsubeik K, Thway M, Ramrattan LA, Brooks S, Dang L, **Kaeley G**. Recommendations Regarding The Use Of Vaccines In Patients Prior To Initiating Therapy Or While Already On Therapy With Non-Biologic Or Biologic Disease

Modifying Antirheumatic Drugs (DMARDS). Poster Presentation at: UF College of Medicine Advances in Medical Education 2018, Jacksonville, FL; June 13th 2018

Brooks S, **Kaeley GS**. Hydroxychloroquine Quality Improvement Project at UF Health Jacksonville Rheumatology Clinics. Abstract poster presentation at: UF Health Jacksonville Research Day, Jacksonville, FL, May 2018.

Brooks S, **Kaeley GS**, Ingari E. Methotrexate Quality Improvement Project at UF Health Jacksonville Rheumatology Clinics. Abstract poster presentation at: UF Health Jacksonville Research Day, Jacksonville, FL, May 2018.

Ranganath VK, Elashoff D, Brook J, Ben-Artzi A, Navarro G, Avedikian-Tatosyan L, Karpouzas G, Martin W, Kermani TA, Choi S, **Kaeley GS**. Effect Size Comparison of Ultrasound Measures in Rheumatoid Arthritis [abstract]. *Arthritis Rheumatol*. 2017; 69 (suppl 10).

Tom S, Zhong Y, Cook RJ, Aydin SZ, **Kaeley GS**, Eder L. Development of an Ultrasonographic Enthesitis Score for Psoriatic Arthritis Patients [abstract]. *Arthritis Rheumatol*. 2017; 69 (suppl 10).

Choate E, **Kaeley GS**, Brook J, Fitzgerald J, Elashoff D, Ranganath VK. Ultrasound Response to Tocilizumab in Surgically Replaced Joints and Surgically Operated Joint Areas of Rheumatoid Arthritis Patients [abstract]. *Arthritis Rheumatol*. 2017; 69 (suppl 10).

Elalouf O, Bakirci S, Touma Z, Anderson MA, **Kaeley GS**, Aydin SZ, Eder L. Psoriatic Arthritis Sonographic Enthesitis Scores – Systematic Review of the Literature [abstract]. *Arthritis Rheumatol*. 2017; 69 (suppl 10).

Activities and Presentations:

Kaeley GS. Ultrasound of the Shoulder: Inflammatory Disorders. Musculoskeletal Ultrasound Course Schedule: Phase II. Center de Formation Continue, University of Sherbrooke, Sherbrooke, Quebec, Canada. April 2018.

Kaeley GS. Ultrasound of the Hand and Wrist: Inflammatory Disorders. Musculoskeletal Ultrasound Course Schedule: Phase II. Center de Formation Continue, University of Sherbrooke, Sherbrooke, Quebec, Canada. April 2018.

Kaeley GS. Ultrasound of the Elbow: main inflammatory and non-inflammatory pathologies. Musculoskeletal Ultrasound Course Schedule: Phase II. Center de Formation Continue, University of Sherbrooke, Sherbrooke, Quebec, Canada. April 2018.

Kaeley GS. Invited faculty for hands on instruction of workshops. Musculoskeletal Ultrasound Course Schedule: Phase II. Center de Formation Continue, University of Sherbrooke, Sherbrooke, Quebec, Canada. April 2018.

Kaeley GS. Inflammatory Sonopathology of the Hand and Wrist. American Institute of Ultrasound in Medicine Annual Meeting. New York, New York. March 2018.

Kaeley GS. Role of Musculoskeletal Ultrasound in Diagnosis and Management of Rheumatic and Musculoskeletal Disorders for Rheumatologists. Musculoskeletal Ultrasound & Cadaver Workshop for Rheumatologists (Intermediate Level). Jacksonville, Florida. March 2018.

Kaeley GS. Sonopathology of the Shoulder. Musculoskeletal Ultrasound & Cadaver Workshop for Rheumatologists (Intermediate Level). Jacksonville, Florida. March 2018.

Kaeley GS. Ultrasonography of Rheumatoid Arthritis. Musculoskeletal Ultrasound & Cadaver Workshop for Rheumatologists (Intermediate Level). Jacksonville, Florida. March 2018.

Kaeley GS. Invited faculty for hands on instruction of workshops. Musculoskeletal Ultrasound & Cadaver Workshop for Rheumatologists (Intermediate Level). Jacksonville, Florida. March 2018.

Ramsubeik K. Inflammatory Arthritis. Oral presentation at: UF Internal Medicine Update. Jacksonville, FL; February 10, 2018.

Kaeley GS. Evidence Base, Principles and Best Practices of Ultrasound Guided Joint Injections. Canadian Rheumatology Ultrasound Society Musculoskeletal Ultrasound Interventional Course. Vancouver, British Columbia, Canada. February 2018.

- Kaeley GS.** Invited faculty for hands on instruction of workshops. Canadian Rheumatology Ultrasound Society Musculoskeletal Ultrasound Interventional Course. Vancouver, British Columbia, Canada. February 2018.
- Kaeley GS.** Nosography of wrist and hand pathology. 6th National and IRACON Musculoskeletal Ultrasound Workshop hosted by Rheumatology Association of Gujarat. Baroda, Gujarat, India. February 2018.
- Kaeley GS.** Invited faculty for hands on instruction of workshops. 6th National and IRACON Musculoskeletal Ultrasound Workshop hosted by Rheumatology Association of Gujarat. Baroda, Gujarat, India. February 2018.
- Kaeley GS.** Ultrasound in Gout: The knee – everything you need to know about gout illustrated in 1 joint. Kuwait Ultrasound Course. Kuwait. February 2018.
- Ramrattan LA.** Assistant-Chair, Musculoskeletal Ultrasound Course for Rheumatologist, Jacksonville, FL. Feb 2018.
- Ramrattan LA.** Anatomy dissection and anatomic teaching at the Cadaver Dissection stations, Musculoskeletal Ultrasound Course for Rheumatologist, Jacksonville, FL. Feb 2018.
- Kaeley GS.** Invited faculty for hands on instruction of workshops. Kuwait Ultrasound Course. Kuwait. February 2018.
- Kaeley GS.** Guideline review for preoperative cases in rheumatological patients at Myanmar Rheumatology Department Jan 30, 2018
- Kaeley GS.** Approach to Rheumatological cases to General practitioners at young Myanmar Doctor Association, Myanmar Jan 22, 2018
- Kaeley GS.** Sonography of the Hand and Wrist. Indian Rheumatology Association Annual Congress. Lucknow, Uttar Pradesh, India. Nov 2017.
- Kaeley GS.** Sonography of the Shoulder. Indian Rheumatology Association Annual Congress. Lucknow, Uttar Pradesh, India. Nov 2017.
- Kaeley GS.** Sonography of the Foot and Ankle. Indian Rheumatology Association Annual Congress. Lucknow, Uttar Pradesh, India. Nov 2017.
- Kaeley GS.** Invited faculty for hands on instruction of workshops. Indian Rheumatology Association Annual Congress. Lucknow, Uttar Pradesh, India. Nov 2017.
- Kaeley GS.** Sonography of the shoulder. American College of Rheumatology Musculoskeletal Ultrasound Course for Rheumatologists, San Diego, CA. Nov 2017.
- Kaeley GS.** Live Demonstration: Scanning of the Shoulder American College of Rheumatology Musculoskeletal Ultrasound Course for Rheumatologists, San Diego, CA. Nov 2017.
- Kaeley GS.** Invited faculty for hands on instruction - American College of Rheumatology Musculoskeletal Ultrasound Course for Rheumatologists, San Diego, CA. Nov 2017.
- Kaeley GS.** Faculty and Instructor American College of Rheumatology Annual Meeting Ultrasound Guidance Course Utilizing Hand Injection Models. San Diego, CA. Nov 2017.
- Kaeley GS.** Faculty and Instructor Basic Musculoskeletal Ultrasound Workshop at American College of Rheumatology Annual Meeting, San Diego, CA. Nov 2017.
- Kaeley GS.** Faculty and co-writer Musculoskeletal Ultrasound Board Review Workshop at American College of Rheumatology Annual Meeting, San Diego, CA. Nov 2017.
- Kaeley GS.** Standard Scans of the Wrist and Fingers. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. October 2017.

Kaeley GS. Review of Ultrasound Scoring for Rheumatoid Arthritis and Report Generation. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. October 2017.

Kaeley GS. Sonography of the Hip and Shoulder. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. October 2017.

Kaeley GS. Faculty for hands on instruction in workshops. Canadian Rheumatology Ultrasound Course, King Saud College of Medicine, Riyadh, Saudi Arabia. October 2017.

Kaeley GS. Should we scan all Rheumatoid arthritis patients in clinical practice? Ultrasound School for North American Rheumatologists (USSONAR) Retreat. Santa Fe, New Mexico. August 2017.

Kaeley GS. Ankle and foot ultrasound demonstration. The Rheumatism Society of the District of Columbia Ultrasound for Rheumatologists Course. District of Columbia. August 2017.

Kaeley GS. Invited faculty for hands on instruction. The Rheumatism Society of the District of Columbia Ultrasound for Rheumatologists Course. District of Columbia. August 2017.

CLINICAL ACTIVITIES

	FY 17/18
Inpatient Activity	
Initial Inpatient Encounters	129
Outpatient Activity	
Clinic Visits	5512
US, extremity, nonvascular	283

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 - Present	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 - Present	Abbvie	\$318,649.29
Kaeley, G	Musculoskeletal Ultrasound In Predicting Early Dose Titration With Tocilizumab	9/4/14 - Present	UCLA	\$347,255.00
Kaeley, G	An Open-label Extension Study to Compare the Long-term Efficacy, Safety, Immunogenicity and Pharmacokinetics of FKB327 and Humira® in Patients with Rheumatoid Arthritis on Concomitant Methotrexate (ARABESC-OLE)	3/31/16 - 4/11/18	Fujifilm Kyowa Kirin Biologics Co., Ltd.	\$26,625.03
Kaeley, G	A Phase 4 Trial Assessing the ImPact of Residual Inflammation Detected via Imaging TEchniques, Drug Levels and Patient Characteristics on the Outcome of Dose TaperIng of Adalimumab in Clinical Remission Rheumatoid ArThritis (RA) Subjects (PREDICTRA)	8/4/16 - 8/21/17	Abbvie	\$697,364.00
Kaeley, G	A Randomized, Double-blind, Placebo- and Active-controlled, Multicenter, Phase 3 Study to Assess the Efficacy and Safety of Filgotinib Administered for 52 weeks in Combination with Methotrexate to Subjects with Moderately to Severely Active Rheumatoid Arthritis Who Have an Inadequate Response to Methotrexate (FINCH-1)	2/1/17 - Present	Gilead	\$327,000.00

Kaeley, G	A Randomized, Double-blind, Placebo-controlled, Multicenter, Phase 3 Study to Assess the Efficacy and Safety of Filgotinib Administered for 24 weeks in Combination with Conventional Synthetic Disease-modifying Anti-rheumatic Drug(s) (csDMARDs) to Subjects with Moderately to Severely Active Rheumatoid Arthritis Who Have an Inadequate Response to Biologic DMARD(s) Treatment (FINCH-2)	2/1/17 - Present	Gilead	\$134,375.00
Kaeley, G	A Randomized, Double-blind, Placebo- and Active-controlled, Multicenter, Phase 3 Study to Assess the Efficacy and Safety of Filgotinib Administered for 52 Weeks Alone and in Combination with Methotrexate (MTX) to Subjects with Moderately to Severely Active Rheumatoid Arthritis Who Are Naïve to MTX Therapy (FINCH-3)	2/1/17 - Present	Gilead	\$286,254.00
Kaeley, G	Phase 3b/4 Randomized Double Blind Placebo Controlled Study of Methotrexate (MTX) Withdrawal in Subjects with Rheumatoid Arthritis (RA) Treated with Tofacitinib 11mg Modified Release (MR) Formulation	2/17/17 - Present	Pfizer	\$59,710.00
Kaeley, G	A Randomized, Double-Blind, Multicenter, 3 Stage, Efficacy and Safety Study of NI-071 and US-Licensed Remicade® (Infliximab) for the Treatment of Patients with Rheumatoid Arthritis	5/4/17 - Present	Nichi-Iko Pharmaceuticals	\$102,740.80
Kaeley, G	A Phase 2, Randomized, Double-blind, Multicenter Study Evaluating the Safety and Efficacy of Filgotinib and GS-9876 in Subjects with Lupus Membranous Nephropathy (LMN)	2/8/18 - Present	Gilead	\$124,623.00
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 Randomized, Phase 2, Double-blind, Placebo-controlled Study to Assess the Safety and Efficacy of Filgotinib, GS-9876 and GS-4059 in Adult Subjects with Active Sjogren's Syndrome	6/21/18 - Present	Gilead	\$210,728.00







DEPARTMENT OF MEDICINE
ANNUAL FACULTY MEETING
JUNE 2018