# NEWS FROM THE DEPARTME

FEBRUARY 2020



#### MISSION

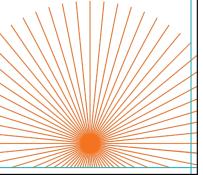
We are dedicated to preventing disease and treating illness, educating and inspiring future leaders in the field of internal medicine, and supporting innovative biomedical research.

#### VALUES

We strive for a sense of community, connection, and synergy among all faculty, staff, and trainees.

#### PLEDGE

We will conform to the highest ethical standards, uphold the values of our partner organizations, and give back to our community through public service.



## **QUICK LINKS**

**DoM WEBSITE** 

**GRAND ROUNDS** 

HIGHLIGHTED DIVISION

**HOOS WELL** 

MINDFULLNESS MATTERS



## MESSAGE FROM THE CHAIR



In this edition of "Medicine Matters" we focus on the ■ Division of Endocrinology and Metabolism. This Division has a storied past with many nationally and internationally renowned faculty members. The research in the Division has directly led to important breakthroughs in diseases such as diabetes mellitus, hypertension, pituitary disease, polycystic ovarian syndrome, osteoporosis and many others. Members of the Division are leaders of Endocrine Societies and have recently been awarded prestigious lifetime achievement awards. Additionally, education and clinical programs are world-class and have been repeatedly recognized with national awards. I am sure that you will be impressed with the depth and breadth of activities in the Division. I would also urge you to read about one of the most exciting developments in the care of patients with diabetes; the first interoperable, automated insulin dosing

system. This revolutionary system was recently described in the New England Journal of Medicine and will have profound impacts on the care of patients with diabetes.

As always, please feel free to reach out to me with any questions, ideas, thoughts or if I can be of any help.

Mitchell H. Rosner, MD, MACP Henry B. Mulholland Professor of Medicine Chair, Department of Medicine

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# **DOM FINANCIAL UPDATE**

#### Department of Medicine Summary of Consolidated Financials FY20 as of December 31, 2019

	Budget	Actual	Variance
	YTD	YTD	YTD
Work RVUs	455,720	438,211	(17,508)
Clinical Receipts (NPSR)	30,641,551	29,404,798	(1,236,753)
Total Revenues Total Expenditures Net Income	90,498,848	93,332,390	2,833,542
	94,162,717	92,002,228	2,160,489
	( <b>3,663,869</b> )	<b>1,330,162</b>	<b>4,994,031</b>

#### **Summary Explanation of Variance:**

For the fiscal year ending December 31, 2019 DOM posted a consolidated net surplus of \$1.3M and a favorable variance to net budget surplus of \$5.0M. The unfavorable variance in Net Patient Service Revenue is due to lower net collections, Medicaid conversion rate and pending payor credentialing. The department realized non-personnel cost saving of \$2.6M driven by lower than expected grant expenditures.

Bottomline variance includes \$2.2M endowment distribution.

# **DOM UPDATES & NOTES**





Congratulations to Andrew Lee (pictured at left), son of Karra Lee, NP and Dr Daniel Lee III, "Trey" who is 7 years old, who made a donation to the Emily Couric Clinical Cancer Center for the patient fund.



A recent visitor to the area outside Cobb Hall was this beautiful Red Tailed Hawk. There are many fine, fat squirrels on Grounds, which may be what attracted this large bird of prey, along with (oddly) an Osprey in its company.



## **DOM UPDATES & NOTES**







Amber Inofuentes, MD Laurie Archbald-Pannone, MD



Rishitha Bollam, MD



Nisa Desai, MD



Stew Babbott, MD



Tiffany Powell



Paul Mitchell



Daniel Lee, MD



Craig Portell, MD



Daniel Reed, MD

#### **NOTABLE ACHIEVEMENTS**

Congratulations to Hospitalist Amber Inoquentes, MD who has recently named a Senior Fellow with the Society for Hospital Medicine.

Congratulations to Laurie Archbald-Pannone, MD (geriatrics) in collaboration with two of our IM residents - Rishitha Bollam, MD PGY3, and Nisa Desai, MD PGY2. For having a book chapter published, "Clostridium difficile Infection in Long-Term Care Facilities", textbook. Chapter 5, pages 45-51. Springer Publishing, ISBN: 978-3-03029771-8. Copyright 2020

Congratulations to Stew Babbott, MD, General Medicine Section Chief for publishing a book chapter on Physician Burnout related to HER, "Combating Physician Burnout: A Guide for Psychiatrists" - Ed: LoboPrabhu S, Summers RF, Moffic HS. Chapter 8 - Electronic Health Records and Physician Burnout. Babbott S, Kroth PJ

Congratulations to Tiffany Powell from General Medicine Division administration whose joint proposal "Women in Academic Medicine Conquering Impostor Syndrome" was accepted and will be presented April 2020 at the Academic Internal Medicine Week. Great to see our administrative staff/managers involved on a national level.

Congratulations to Paul Mitchell on his unanimous selection by UVA Pediatrics faculty for the 2020 Robert M. Blizzard Pediatric Scholar Award! Paul is recognized for his academic excellence, curiosity, humility, and empathy.

Congratulations to Daniel Lee III, MD "Trey" on his textbook, "Chimeric Antigen Receptor T-Cell Therapies for Cancer: A Practical Guide," published on December 2, 2019. This is the first published textbook dedicated entirely to CAR T cell therapy from the initial referral to the management of the infusion and side effects to upcoming new CARs and regulatory issues. Published by Elsevier, it is available online and in print at: https://www.elsevier.com/ books/chimeric-antigen-receptor-t-cell-therapies-for-cancer/lee/978-0-323-66181-2. We intend this to be a resource that practitioners have at hand while treating patients with CAR T cells. Of note, several UVA faculty and fellows contributed: Drs Victor Orellana-Noia, Craig Portell, and Karen Ballen published a chapter titled "When to Refer a Patient for CAR T-Cell Therapy." Drs Indumathy Varadarajan, Tamila Kindwall-Keller and Daniel Lee published a chapter titled "Management of Cytokine Release Syndrome."

Congratulations to Daniel Reed, MD on two new publications: 1) Reed DR, Portell CA (2020) "Mantle Cell Lymphoma." In: Dittus C. (eds) Novel Therapeutics for Rare Lymphomas. Springer, Cham.

2)Reed DR, Sen J, Lassiter K, Thomas T, Harr E, Daniels E, Keng M. "Prospective Initiative to Reduce Mucosal Barrier Injuries and Bloodstream Infections in Patients With Hematologic Malignancy Receiving Inpatient Chemotherapy." JCO Oncol Pract. January 2020.

# **DOM UPDATES & NOTES**

### **Recent Marriage**



Nishaki Mehta, MD was looking forward to a Harvard Diwali (Indian New Year) party, on a day off from her fellowship. This is where she met Matt, who had stopped by and was experiencing his first Diwali celebration. That marked the beginning of a friendship which blossomed into a relationship over a Memorial Day weekend trip to Acadia.

When Matt moved to Charlottesville, they decided to take their relationship to the next level. In Virginia, "the Land of Lovers," they discovered mutual interests and their compatibility while exploring the Shenandoah with friends and family. Their common appreciation of nature and travel has inspired additional adventures.

Matt met Mehta's parents on a trip to Iceland and he hit it off with his soon to-be pa-in-law wading in the Blue Lagoon. A joint family trip to Spain and Portugal followed where the Mehtas and Roses discovered new lands together. Sri Lanka gave Matt a taste of India and Machu Picchu took their bond to dizzying heights. Maldives marked the beautiful wedding shoot and celebrating family birthdays.

After a few Chrismukkahs with the Roses, they celebrated their union over the New Years to commemorate their first meeting at the Indian New Years in Dubai.

Congratulations Nishaki and Matt!

## **BILLING TEAM SPOTLIGHT PROFILE**

## **Brandi McLaughlin**



Tell us a little bit about yourself.

I have been employed with UPG since March of 2017. Prior to that I worked for the UVA Health system for 5 years as a Hospital Admissions Representative. I started in UPG in the Insurance Processing Unit and now I have been here in the Department of

Medicine for 10 months as a Certified Medical Coder. Charlottesville has been my home for over 25 years. I have an awesome 8 year old son and I enjoy spending time with my family and friends.

#### Why Healthcare?

I've always had an interest in healthcare and when I was younger I wanted to be a nurse. I learned that direct patient care was not for me, and I got introduced to coding while I was working in the hospital as an admissions representative. I love what I do now, there is so much to learn and many opportunities to grow in this field!

#### Favorite Vacation?

I have lots of memories going to Disney World

as a child with family. It was magical as a child and so much fun. I am planning on taking my son this year, so getting to see him experience it as well, is going to be amazing!

#### Most admired person/persons and why?

My parents. They have always been a rock in my life. They show me support and love with every decision I make. They are there for me no matter what life throws my way. My son is lucky to have the best grandparents!

# **DOM UPDATES & NOTES**

#### LISTEN ON NEWSRADIO WINA TO PODCAST ON THE MEDICAL CLINIC AT THE HAVEN



Medical Clinic at The Haven Podcast with Dr Ross Buerlein

WINA's Les Sinclair interviews Dr Ross Buerlein who is working with groups like; Region 10 and The Salvation Army, a team of medical students and physicians from UVA Health provide a medical clinic at The Haven every other Thursday. The focus is on psychiatric and primary care. Listen Here.

They continue to look for additional partners to expand the services and

care they can provide. For more info call: 434-218-0826 or email rhavenfreeclinic@hfcmail.mcc.virginia.edu

#### **RECENT CLINICAL TRIALS**

Studies Opened Since December 1, 2019

#### **Genitourinary Oncology**

19-21680 Non-UVA 4B-15-11

A Phase II trial of sEphB4-HSA in combination with ANti PD1 Antibody Pembrolizumab (MK-3475) for metastatic urothelial cancer refractory to platinum.

Stages: IV CT.GOV ID: NCT02717156

Primary Devitt, Michael, CRC: Drake, Jennifer

#### Hematologic Malignancies

19-21188 PHAR ARO-021

Phase III Randomized Study of Crenolanib versus Midostaurin Administered Following Induction Chemotherapy and Consolidation Therapy in Newly Diagnosed Subjects with FLT3 Mutated Acute Myeloid Leukemia

Stages: Not specified CT.GOV ID: NCT03258931

Primary Keng, Michael, CRC: Strand, Gianna

#### 20-21781 PHAR Vedolizumab-3035

A Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Vedolizumab in the Prophylaxis of Intestinal Acute Graft Versus-Host Disease in Subjects Undergoing Allogeneic Hematopoietic Stem Cell Transplantation

Stages: Any/all stages CT.GOV ID: NCT03657160 Primary Volodin, Leonid, CRC: Strand, Gianna



# **DIVISION SPOTLIGHT - ENDOCRINOLOGY & METABOLISM**

# Message from Dr Zhenqi Liu - Division Chief, Endocrinology & Metabolism



The Division of Endocrinology and Metabolism has a rich history and tradition of excellence in patient care, education and research and remains one of the finest endocrinology divisions in the country. Our faculty members strive to provide the best possible care to patients with a variety of hormonal and metabolic disorders and best training to the next generation of physicians and scientists, and make cut-edge scientific discoveries in both clinical and basic endocrine research.

We currently have thirty-six faculty members (twelve full professors, nine associate professors, eleven assistant professors, and four NPs) and seven clinical endocrine fellows. The Division boasts many previous and current leaders in national professional societies including three presidents of the Endocrine Society (Margaret A. Shupnik, PhD, Robert M. Carey, MD, and Richard J. Santen, MD) and one president of the American Diabetes Association (Eugene J. Barrett, MD, PhD), and welcomed in 2019 four new members to its faculty: Su Hee Kim, MD, Jessica Lundgren, MD, Silas Culver, MD, and William (Ben) Horton, MD. ~Zhenqi Liu, MD, Division Chief

#### **CLINICAL CARE**

Division faculty members carry out the clinical mission in both outpatient and inpatient settings to care for patients with a broad spectrum of endocrine disorders. The Division houses an internationally renowned pituitary/ neuroendocrinology program (led by Mary Lee Vance, MD, John C. Marshall, MD, and Gregory Hong, MD) with patients referred here from around the world. We have a robust clinical diabetes program that provides outstanding care to patients with diabetes both in our outpatient clinics and inside the hospital. We expanded the cardiovascular diabetes inpatient service (led by Jennifer Kirby, MD) and launched an Advanced Diabetes Management clinic (i.e., diabetes technology clinic) with a focus on type 1 diabetes and the use of continuous glucose monitoring devices and insulin pumps. The ADM clinic, directed by Andy Basu, MD, has been highly successful and garnered substantial media attention/coverage. We are also experiencing a rapid growth and expansion in the transgender care program (joint program with Family Medicine) and the transplant endocrine program and started a new joint thyroid nodule/ cancer program with general surgery and ENT.

#### RESEARCH

The Division has a rich portfolio of research programs that focus on diabetes (pathophysiology, complications, artificial pancreas, and exercise physiology), endocrine hypertension, and neuroendocrinology/polycystic ovary syndrome. We have experienced unprecedented growth in research with research funding tripled in the past two years. Our artificial pancreas clinical research program, in conjunction with the Center of Diabetes Technology, is second to none in the nation. Division faculty published a total of 61 publications in the past twelve months, including the most recent publication by Sue Brown, MD et al in New England Journal of Medicine, titled "Six-Month Randomized, Multicenter Trial of Closed-Loop Control in Type 1 Diabetes"

Three faculty members were awarded career development awards. Su Hee Kim, MD received a K23 mentored patient-oriented research career development award from NIH/NICHD. Silas Culver, MD and William (Ben) Horton, MD were selected by the *integrated Translational Health Research Institute of Virginia* (iTHRIV) as 2019 iTHRIV scholars, a pan-University mentored career development award. The major goal of the program is to train small groups of junior faculty seeking a clinical and translational research career within the University.

#### **EDUCATION**

We have a nationally respected fellowship training program, led by program director Christopher McCartney, MD, and associate program director Gregory Hong, MD, and faculty members who are fully committed to medical education. The Division has one neuroendocrine training grant, directed by Eugene J. Barrett, MD, PhD, and Andy Basu, MD. We aim to prepare trainees for an independent career in clinical care, academic research, and medical education and we have multiple faculty members who are educational leaders at national GME levels. Christopher McCartney, MD currently serves as president of the Association of Program Directors in Endocrinology, Diabetes and Metabolism and helps set national standards in fellowship training in endocrinology and metabolism.

# **DIVISION SPOTLIGHT - ENDOCRINOLOGY & METABOLISM**

#### **ENDOCRINOLOGY AND METABOLISM WELCOMES NEW DIVISION ADMINISTRATOR**



The Endocrinology and Metabolism Division is very pleased to highlight the addition of Mr Jeff Hetmanski as the new Division Administrator for both the Division of Endocrinology & Metabolism and the Division of Rheumatology as of November 18, 2019.

Jeff brings with him a wealth of experience in business and fiscal administration. He earned a Bachelor of Science degree in mechanical engineering from Virginia Tech and a master of Health Administration from Virginia Commonwealth University. He managed five University of Virginia Heart Center non-invasive diagnostic labs, directed UPG outreach finance, served as Chief Financial Officer at Culpeper Medical Center and Director of Finance and Community Operations at UVA Health System prior to taking his immediate past position as President and COO of Novant Health UVA Health System Culpeper Medical Center.

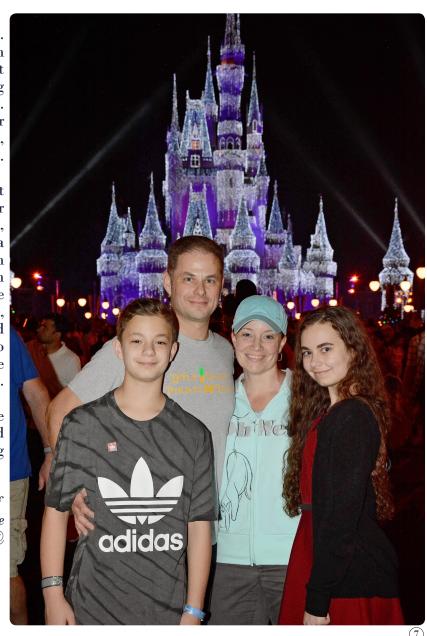
Jeff gives us a short introduction (with a more in-depth profile to come in a future issue)...

I was born and raised in Perry Hall, Maryland. After earning my Bachelor of Science degree in Mechanical Engineering from Virginia Tech, I spent the next seven years working in the manufacturing sector for Ingersoll-Rand's Air Compressor Division. Starting out in Chicago, every step in my career development also brought a relocation: Seattle, Charlotte. Roanoke. Cleveland. Greensboro.

The decision to settle down and raise a family brought me to Charlottesville. This also resulted in a career change for me from engineering to healthcare. In 2001, I joined the University of Virginia Medical Center in a finance position while completing my Master's degree in Health Administration from Virginia Commonwealth University. Over the next twenty years, I've had the pleasure to serve in various UVA Health System roles, ranging from finance, quality, clinical operations, and strategy. In the last five years, I've been commuting to Novant Health/UVA Culpeper Medical Center, where I served as both Chief Financial Officer and President.

I'm excited to join the Department of Medicine as the Administrator for the Endocrinology and Rheumatology divisions and look forward to meeting and working with everyone.

When you meet Jeff Hetmanski, please introduce yourself and welcome him to the Department of Medicine. He can be reached at tel:434-243-2253, email: JMH5ND@ hscmail.mcc.virginia.edu



# **DIVISION SPOTLIGHT - ENDOCRINOLOGY & METABOLISM**

## **Advanced Diabetes Management Clinic**



Ananda Basu MD, FRCP (Director, Advanced Diabetes Management Clinic), diabetes). The clinic currently runs seven half-Demetris Louderback (MA), Mary Voelmle (MS, FNP, CDE)

In January 2019, The Division of Endocrinology and Metabolism and the Center of Diabetes Technology established an Advanced Diabetes Management (ADM) Clinic - a unique facility that now provides diabetes technology access to a growing patient base with diabetes. The overall vision of the management program is, "To provide an integrated, comprehensive care package for patients with diabetes and related metabolic disorders, using a multi-disciplinary approach and applying advanced technologies, in a time-sensitive manner".

Since the start of the ADM Clinic, there have been 1,600 clinic visits from almost 500 adult patients with diabetes (predominantly Type 1 diabetes but also patients with type 2 diabetes, cystic Pictured from left: Donna Bryant, (Office Manager), Elyse Marriner (RN, CDE), fibrosis-related diabetes, and post-transplant day sessions a week and is staffed by a team of

five endocrinologists, one Nurse Practitioner, and one Certified Diabetes Educator and support staff. The use of continuous glucose monitors (CGM) as a tool for glucose pattern recognition and insulin management has rapidly escalated together with the use of insulin pump therapy. The proportion of clinic patients that have used CGM for glucose management is now at 80% and insulin pump users at 67%. These data compare extremely favorably when compared to the national T1D Exchange data of 30% CGM usage in 2018. This has resulted in a dramatic improvement in the quality of care delivered by the ADM Clinic measured as a reduction of HbA1c by 1 % in a cohort of 120 patients analyzed within the last six months. This is a remarkable achievement given that 50% of the patient population from the Commonwealth of Virginia the clinic serves are either uninsured, under-insured, on financial assistance or on Medicare and Medicaid. Furthermore, seamless integration of CGM reports into the electronic medical records have streamlined clinical care saving time and therefore costs for the care provider team of the ADM clinic.

Contact details for the clinic: UVA Endocrinology-Pantops, 183 Spotnap Road, Suite A, Charlottesville, VA 22911, (434) 293-7811

## The First Interoperable, Automated Insulin Dosing System



Sue Brown, MD

Dr Sue Brown and Dr Stacey Anderson, in collaboration with other members of the Center for Diabetes Technology (CDT), have pursued a path to advance the use of technology, including analytics, to allow improved management, monitoring, and therapies for patients with Type 1 Diabetes as well as Type 2 Diabetes. CDT is a recognized world leader in the technological treatment of diabetes and the hub of an international research network of leading U.S. institutions (Harvard/Joslin, Stanford, Yale, Mayo Clinic, Mt. Sinai School of Medicine, Sansum Diabetes Care) and worldwide groups in Italy, France, Holland, and Argentina. In this past year, Dr Sue Brown and Dr Stacey Anderson in collaboration with Boris Kovatchev had led major initiatives to complete the three longest and largest multi-

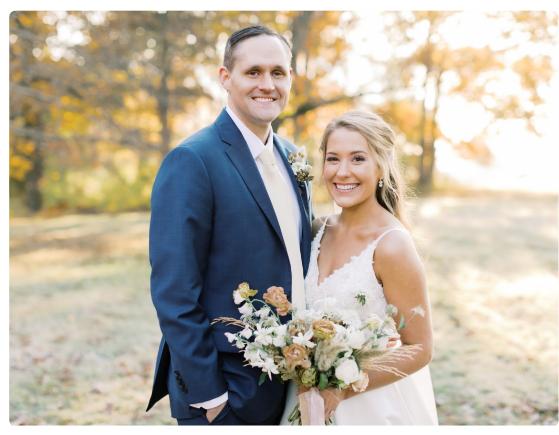


Stacey Anderson, MD

center clinical trials on the use of automated insulin delivery. Dr Brown published a landmark trial in the New England Journal of Medicine in October 2019, demonstrating improved glycemic outcomes of automated insulin delivery system compared to using an insulin pump with glucose monitoring alone. These data served as the basis for ultimate FDA approval of the new device which represents the first of its kind "interoperable automated insulin dosing controller that automatically adjusts insulin delivery by connecting to an alternate controller-enabled insulin pump and integrated continuous glucose monitor". Patients have expressed their gratitude and JDRF described it as "a huge win for the type 1 diabetes (T1D) community and a critical step forward in making day-to-day life better for people living with the disease.". The new system will be implemented in our Advanced Diabetes Management clinic so more patients can benefit.

# SPOTLIGHT PROFILE - ENDOCRINOLOGY & METABOLISM

#### **FACULTY PROFILE - William Ben Horton**



Tell us a little bit about yourself. I grew up in Mississippi with a large family (3 sisters- all We moved younger!). Chattanooga, TN when I was in sixth grade, and I ultimately completed middle and high school there. I then returned to Mississippi for undergraduate studies at Mississippi College. After college, I spent a year performing basic science research in the Department of Physiology at the University of Mississippi before starting medical school at the same institution. T completed Internal Medicine residency training at the University of Mississippi Medical Center and Endocrinology fellowship training here at the University of Virginia. After fellowship, I was very excited to join the UVA faculty as an Assistant Professor of Medicine!

Why Healthcare? Why Research?

There are many reasons for this, but I'll try to keep this answer brief (as I could expound on this topic for hours!). Regarding healthcare, my father is a general internist and I have always admired/respected him greatly. Seeing the joy with which he pursued a career in healthcare has always been a motivating factor for me. Furthermore, I have type 1 diabetes. For me, living with a chronic disease provides intense motivation for a career in both healthcare and research.

#### What brought you to Charlottesville?

As noted above, fellowship training initially brought me to UVA. The collegial academic environment and strong research opportunities were some (of the many) characteristics that persuaded me to stay here after fellowship training. Specifically, the Division of Endocrinology and Metabolism is an excellent place to initiate and cultivate an academic career. Most importantly, I met my wife here during fellowship training. We enjoy the natural surroundings (mountains, rivers, etc.) that the Charlottesville area offers. And the foodthe food scene in Charlottesville is great!

#### What excites you about your work?

The opportunity to positively impact the lives of patients living with diabetes, both on a personal level in clinic and on a "macro" level with research that (hopefully) finds ways to improve lifespan and quality-of-life.

#### What are you usually doing in spare time?

Spending time with my wife, hiking a local trail, or watching UVA sports. I've become a big UVA basketball fan, though I've been accused of being a bandwagon fan for moving here right around the time UVA won a national championship. From my perspective, the timing could not have been better (and I'm ok with the bandwagon fan label)!



#### Favorite vacation spot?

Anywhere with my wife. Preferably a location with sand and a beach, though I'm usually not too picky.

# SPOTLIGHT PROFILE - ENDOCRINOLOGY & METABOLISM

#### **FELLOW PROFILE - Jeanette Owusu**



Tell us a little bit about yourself.

I was born and raised in Washington, DC, and completed my undergraduate and medical school training at Howard University in DC. After being in DC for my entire life, I decided it was time for a change and moved to New York to complete my internal medicine residency at NYU Winthrop Hospital in Long Island. After residency, I stayed in New York to complete a year of clinical research at the Bone Mineral Research Center at NYU Winthrop Hospital. After my clinical research year, I was fortunate enough to match at UVA where I am currently completing my Endocrinology fellowship. I currently live in Charlottesville, but most weekends I travel to my hometown in DC to visit family.

Why medicine? Why endocrinology?

I have always had an interest in pursuing medicine ever since I was a child. I became interested in endocrinology during residency as I worked closely with the Endocrine department. I enjoyed the cases I encountered during my endocrine rotation and found the field to be interesting and dynamic. Endocrine is an intellectually stimulating and challenging field and I am happy to take part in it.

What brought you to Charlottesville?

The wonderful UVA Division of Endocrinology and Metabolism fellowship program.

What excites you about your work?

Learning about the new advances in different treatments for many endocrinopathies. It is also very rewarding and humbling to have the opportunity to help others improve their quality of life.

Proudest/greatest achievement outside the professional realm?

Being an only child and living at home for most of my life, including undergrad and medical school, I would have to say my proudest achievement was to become more independent and live away from home for the first time for residency in one of the busiest places in the country, New York.

Next life?

Since I pretend to be one currently, in my next life I would probably be a food critic.

What are you usually doing in your spare time?

I am usually visiting family in DC or friends in NY. When I am in Charlottesville, I love to hang out with my co-fellows and try new restaurants

and cuisines. I also love watching new shows and recently finished the first season of The Mandalorian.

Favorite vacation/activity spot?
Jamaica. It has beautiful beaches and it is always fun to visit family

Most admired person, and why? My parents. My parents are immigrants and my mother is from Jamaica and my father is from Ghana. They are both hard working, determined, patient,

loving, and humble individuals. They are great role models.

when I am there.

Best advice anyone ever gave you? "Stay patient and trust the journey."

What about you would surprise us?

I have played the violin since I was 4 years old and was a part of the DC Youth Orchestra.



