Pharmacists: A Cure for Code Blues

On September 8th, 2015, after an arduous 12 months of response plan development, inpatient pharmacist training, and policy updating, code blue leaders Steve Lemon, PharmD, BCPS; Joan Cleaver, PharmD, BCPS; Jessica Cope, PharmD; Martina Holder, PharmD, BCPS; and Ginger Gamble, PharmD, BCCCP, officially established the hospital-wide pharmacist code blue response at UF Health Shands Hospital. Pharmacists have been responding to code blue scenarios in the intensive care units (ICUs) and Emergency Department (ED) for several years, but in 2014, a formal, hospital-wide pharmacist code blue response program was launched. "Pharmacists, as the pharmacotherapy experts, should recommend appropriate ACLS medications as well as ensure accurate medication preparation," remarked Dr. Cope.

Residency Exchange Visit: UF Health Jacksonville

This past March, all of the residents visited UF Health Jacksonville as part of the reestablished annual Residency Exchange Visit. With the support of the Residency Executive Committee, the resident-led initiative was a year in the making. Many residency programs participate in exchange visits aiming to learn about different residency programs, gain exposure to different pharmacy departments, and network with peers.
**A Cure for Code Blues - cont.**

To equip the pharmacy department with on-the-spot knowledge, the code blue leadership team also created and distributed ACLS pocket code cards that included appropriate medication selection and dosing for all ACLS scenarios.

Currently, both adult and pediatric pharmacists respond to hospital-wide code blue situations in their areas of expertise from 7:00 am to 10:30 pm 7 days per week, including holidays. Code blue response experience is also provided to PGY1 and PGY2 residents, who rotate each week assuming responsibility for a code pager, with backup preceptors in both North Tower and South Tower. “I really like the hands on training and real life application I get from code blue response because it has definitely helped reinforce my ACLS training and enabled me to develop a working knowledge of the ACLS medications,” stated Jarred Bowden, PGY1 Pharmacy Practice Resident.

Since the initiation of pharmacist code blue response hospital wide, the feedback from interdisciplinary team members has been overwhelmingly positive. When asked about pharmacists responding to code blues, Kaitlyn Loadholtz, RN stated, “When a pharmacist is present at a code blue response, it’s very helpful in terms of organization and proficiency, especially with the dosing and selection of drugs. It’s definitely less chaotic.”

In the upcoming years, the code blue leaders hope to have a code blue response program that is active 24 hours a day, 7 days per week. “It has been rewarding to see the implementation of the pharmacist code blue response program this past year,” remarked Dr. Gamble, “I’ve heard nothing but glowing feedback from our interdisciplinary team members and am excited by their continued request for pharmacy presence.”

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**Residency Exchange - cont.**

With these goals in mind, all nine UF Health Shands residents spent March 30, 2016 visiting UF Health Jacksonville in Jacksonville, FL.

The residents were welcomed by Stephanie McCormick, Education and Training Manager, and Bernadette Belgado, Director of Pharmacy. UF Health Shands residents were able to discuss residency program differences and similarities with the UF Health Jacksonville residents over lunch. The residents then took a tour of the institution and met leaders within the Emergency Medicine/Toxicology Pharmacy Services and the Antimicrobial Stewardship Pharmacy Services. All those at UF Health Jacksonville were very excited to speak with our residents and to share their advice and residency program experience.

Upon returning to Gainesville, the residents compiled a presentation for the Residency Executive Committee highlighting notable similarities and differences between the two residency programs. The different pharmacy staffing models, similar department organization, and greater manual requirements in pharmacy operations were among a few of the topics discussed. The residents found the antimicrobial sensitivity reporting at Jacksonville to be so innovative that they suggested UF Health Shands Hospital investigate a similar process.

The residents found the entire experience extremely rewarding and beneficial. It is easy to forget that there are many different practices in place at institutions across the country, and different residency programs may vary significantly in the experiences they provide. The trip was such a success that planning for next year’s Residency Exchange Visit is already in process. The most likely locations are Atlanta, GA or Tampa, FL.

Shawn Griffin, PGY2 Oncology

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Debbie Liang, PGY2 Critical Care
Professional Meetings and Conferences

ASHP Midyear Clinical Meeting, 50th
December 2015 in New Orleans, LA
The residents were all present and accounted for at the ASHP Midyear Clinical Meeting held in New Orleans this December. The meeting served as a successful recruitment opportunity for the PGY1 residency program, for which we had a large number of applications. The current PGY2 residents all had a number of interviews with potential employers and were all ultimately successful in obtaining positions! UF Health had a large preceptor and resident gathering which included dinner at a tasty local restaurant. The residents enjoyed their time together in the city when they were not busy at the conference. Amy Kiskaddon, PGY1 resident, commented “I really enjoyed the time with my co-residents driving to and from New Orleans, going out to eat, and having fun exploring the city. One of my favorite evenings was our dinner with Tom Johns and the preceptors. Although it was a busy meeting with sessions and interviews, I had such a great time!” Midyear was a fun and successful meeting for the residents and residency program.

Society of Critical Care Medicines (SCCM) 45th Critical Care Congress
January 2016 in Orlando, FL
Debbie Liang attended the SCCM conference along with preceptors Stacy Voils, Jennifer Ashton, Amir Kamel, Steve Lemon, Abby Antigua and Brian Kelly. Debbie presented research from her PGY1 year, "Major Bleed Risk in Patients on Novel Oral Anticoagulants with PGP and/or CYP 3A4 Inhibitors." Multiple preceptors also presented research at the meeting on topics such as VTE prophylaxis in obese patients, injectable phosphate shortage impact on mechanical ventilation, and argatroban dosing. The conference discussed many interesting topics including the new sepsis definitions based on qSOFA score, a review of emerging infectious diseases, advances in nutrition support, and novel methods for the prevention of drug-associated acute kidney injury.

Hematology/Oncology Pharmacy Association (HOPA) 12th Annual Conference
March 2016 in Atlanta, GA
Shawn Griffin attended the HOPA conference along with preceptors Sarah Wheeler and Laura Wiggins. Shawn presented his research project, “Impact on Pharmacokinetic Outcomes when Ideal Body Weight is used to Dose Busulfan in Obese Compared to Non-Obese Hematopoietic Stem Cell Transplant Recipients.” While at the conference he was able to learn more about many different topics in oncology with the most noteworthy being the use of nivolumab in almost every type of cancer.

Pediatric Pharmacy Advocacy Group (PPAG) 25th Annual Meeting
May 2016 in Atlanta, GA
Kyle Franco attended the PPAG conference along with preceptors Keliana O’Mara and Tara Higgins and co-residents Amy Kiskaddon and Luke Orth. Kyle presented her PGY2 research project “Impact of Malignancy Type on Vancomycin Dosage Requirements in Pediatric Patients” along with a platform presentation on residency research titled “The Yellow Brick Road of Residency Research,” for which she won the “Best Student Programming Award.” The conference was a NICU themed block with interesting topics including neonatal use of gabapentin, pharmacologic options for PDA closure, bevacizumab for ROP and steroids for the prevention of CLD. Tara Higgins, our pediatric hematology/oncology pharmacist was given the Presidential Citation Award for her work as Fall Meeting Coordinator.

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Professional Meetings and Conferences - cntd.

Making A Difference in Infectious Diseases (MAD-ID) 19th Annual Meeting
May 2016 in Orlando, FL
Lacie McKamey attended the MAD-ID conference along with RPD Ken Klinker. Lacie was awarded a travel grant and presented her research titled “Clinical Utility of Cefepime for the Management of Bacteremia Secondary to AmpC Producing Organisms.” Ken Klinker was an invited speaker discussing “Daily Priority Planning for the Stewardship Practitioner,” highlighting what activities to best focus stewardship efforts. The conference was focused on antimicrobial stewardship with interesting topics including stewardship in the emergency department, updates on gram-negative resistance, and polymyxin therapy.

Florida Residency Conference (FRC)
May 2016 in Tampa, FL
The PGY1 residents, along with PGY2s Shawn Griffin and Debbie Liang, traveled to Tampa, FL at the end of May to present their research at the Florida Residency Conference. Shawn Griffin was a nominee and recipient of the 2016 PGY-2 Excellence in Research Award. Jarred Bowden presented “Evaluation of Extended Interval Aminoglycoside Dosing in Pediatric Oncology and Bone Marrow Transplant Patients.” Amy Kiskaddon presented “Development of an electronic antimicrobial stewardship scoring tool to identify patients for pharmacist intervention.” Luke Orth presented “Impact of Early Versus Late Diuretic Exposure on Metabolic Bone Disease and Growth in Neonates.” Sasha Premraj presented “Comparative Evaluation of Pharmacist-Driven Individualized Vancomycin Dosing versus Standardized Dosing in the Neonatal Intensive Care Unit Population.” Max Smith presented “Implementation of a personalized approach to chronic pain management using CYP2D6 genotype in a primary care clinic.” The conference provided residents with the opportunity to share their ideas and outcomes on a large platform and spend time with their co-residents.

New Practitioner Welcome

Meet Sarah Wheeler, PharmD, BCOP, BCPS, our new BMT/Leukemia Clinical Specialist! Sarah grew up in Pincrest, a small town south of Plant City, FL, and completed her pre-requisites for pharmacy school at USF. Growing up, she always knew she was interested in the medical field, though she was unsure of which part, until one of her family members was diagnosed with cancer. Through the course of her family member’s illness, Sarah began to see the role a pharmacist could have in a patient’s care and grew to appreciate the impact they could have on the patient and his/her family as well. Before being accepted to pharmacy school at UF, Sarah worked at Walgreens as a pharmacy technician where she strived to learn every patient’s name and ensure that they left feeling glad they came in.

Lacie McKamey, PGY2 Infectious Disease
**Ralphie’s Take…**

Typically, I am sad to see the year come to an end but I am excited for some changes coming next year: a defrosted refrigerator, bulletin board updates, and my new position as the oncology resident. I hope I am able to attract new oncology preceptors to our program since Shawn appears to have driven them all away. But it is not only about Shawn (as much as he would like that); I would like to say a few words about this year’s residents.

Amy, I’m sure you will do well at Texas Children’s next year but just in case, remember that you can butter people up with your delicious baking skills. Debbie, I am excited to see you start your post-residency career back in North Carolina. Commitment can be intimidating, but consider buying a parking pass once you get there, I think you’re ready. There is only one resident that can stomach chicken gizzards and catfish for breakfast, Jarred. While he can handle southern cooking he doesn’t seem to be able to tolerate the Florida heat…or room temperature very well. If I had not known Kyle from last year, I would have thought her thermostat manipulations were an assassination attempt on Jarred.

Max, I appreciate that you often coordinated residency bonding events, even if you were routinely at least 30 minutes late for those events. They gave me an opportunity to get to know all of the residents better, Sasha and Lacie in particular. Sasha, I am sorry I commandeered your desk for the majority of the year, and Lacie I will miss your visits to the office to offer detailed analysis of your dog’s excrement. Speaking of a mess, Luke you will be busy cleaning up after Shawn’s year as chief resident. It is a shame you won’t have time to put some of the much needed practice into your table tennis game.

Last, and certainly least, Shawn. You and I have had our differences but I must say you only occasionally disappointed me as the new chief resident. As the first ever PGY-8 pharmacy resident, I have a plethora of experience working with residents and can’t wait to meet the next year’s class.

*Ralphie G. Rilla*

**New Practitioner Welcome - cntd.**

It was in pharmacy school that Sarah first learned that she could specialize in oncology. From that moment, she knew she wanted to pursue a residency, and her first APPE at Tampa General Hospital confirmed that hospital pharmacy was the right fit for her. She enjoyed rounding with the medical teams, making recommendations and seeing the outcome in real time, counseling patients, and providing direct patient care. After earning her PharmD, Sarah completed both PGY1 and PGY2 residency at Emory University Hospital in Atlanta, Georgia, before accepting her position here at UF Health Shands Hospital.

Sarah enjoys working with the bone marrow transplant population because there are multiple moving parts to manage, from cancer to infectious disease, to internal medicine. She states her favorite part of her job is the patient counseling component, and because patients are followed over a long time period, Sarah is able to form long-lasting relationships with them. Sarah’s advice to residents planning to enter a new practitioner role is to try and establish a work/life balance as soon as you start your new role. She also advises setting realistic expectations with your medical team and with yourself and understanding that it is ok to say no.

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Looking Forward to the Future

Another residency year is coming to an end and our class is up to some amazing new things!

Kyle Franco (PGY2 Pediatrics Resident) will be heading to Louisville, Kentucky where she will be the Pediatric Hematology/Oncology/Bone Marrow Transplant Clinical Pharmacist at Kosair Children’s Hospital. This year, she enjoyed developing relationships with pediatric providers, patients, families, and preceptors. She learned that she really enjoys precepting and mentoring students and that she has an aptitude for academia. Next year, she is looking forward to precepting residents at her new institution.

Shawn Griffin (PGY2 Oncology Resident) is moving to Indianapolis where he accepted a position as a BMT Clinical Pharmacist at Indiana University (IU) Health. What he enjoyed most about his PGY2 year was Bourbon Street in New Orleans during Midyear. He learned this year that he is ready to be done with residency and is looking forward to the fact that he will no longer be a resident!

Debbie Liang (PGY2 Critical Care Resident) accepted a position as the Critical Care Clinical Pharmacist at UNC Rex Healthcare in Raleigh, North Carolina. What she looks forward to most for next year is sleeping and making it rain $$$.

Lacie McKamey (PGY2 Infectious Diseases Resident) will be an antimicrobial stewardship pharmacist next year at Novant Health Presbyterian Medical Center in North Carolina. What she enjoyed most about this year was the variety of learning experiences she has had, the preceptors, and of course the awesome resident group. She is looking forward to officially starting her life, being close to family, and having an office with a real door.

Lucas Orth (PGY1 Pharmacy Practice Resident) is moving from the 9th floor satellite to the 4th floor satellite and taking over the pediatric resident desk in the corner of the residents’ office. This year, what he loved most was growing close as a resident class. He learned it isn’t possible to make it to the gym 6 times a week as a resident. He is looking forward to getting to know the new residents and states that they certainly have big shoes to fill in replacing Kyle, Amy, Debbie, Lacie, and Shawn.

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Looking Forward to the Future - cntd.

Sasha Premraj (PGY1 Pharmacy Practice Resident) is relocating from the residents’ room to the DI Center. She is looking forward to getting to know her new co-residents and learning more about infectious diseases and antimicrobial stewardship. What she enjoyed most about this year was playing corn hole and decorating her co-residents’ desks for their birthdays.

Max Smith (PGY1 Pharmacy Practice Resident) will be going to the UF College of Pharmacy where he will be completing a PGY2 in Pharmacogenetics. He enjoyed seeing tremendous progress in his professional development throughout the year and learned that he excels in taking constructive feedback.

Jarred Bowden (PGY1 Pharmacy Practice Resident) will be staying at UF Health Shands to further his knowledge and experience in Infectious Diseases. His favorite part of PGY1 year was getting to know his co-residents and working with the preceptor group. He learned a lot about himself, including the fact that his time management skills needed a major reality check. Next year, he is looking forward to learning more about the antimicrobial stewardship program and developing ways to further improve the program at UF Health.

Amy Kiskaddon (PGY1 Pharmacy Practice Resident) will be moving to Texas, where she will be completing her PGY2 in Pediatrics at Texas Children’s Hospital. This year, she enjoyed getting to know the preceptors, staff, her co-residents, and medical residents. She learned that she enjoys precepting and administrative responsibilities and is looking forward to developing new clinical skills, precepting, teaching, making more friends, exploring Houston, and applying for a real job next year!

Meet the Residency Class of 2016-2017

PGY1 Residency Class

Anna Cosnahan of Asheville, NC completed her undergraduate education at Northwestern University and received her Doctor of Pharmacy degree from UNC at Chapel Hill. She is looking forward to learning a lot from different healthcare professionals and meeting a ton of new people.

Gabrielle Furgiuele is originally from Pittsburgh, Pennsylvania but has lived in Dallas, Texas; Columbus, Ohio; and Raleigh, North Carolina! She went to the University of South Carolina for both her undergraduate coursework and her PharmD. She is excited for the opportunity to continue a family tradition, as she is a third generation pharmacist and the thirteenth in her family!

Sarah Gattoline earned her undergraduate degree and her Doctor of Pharmacy degree from MCPHS University in Boston, MA. She is looking forward to being able to train with some of the top health care professionals in their respective fields, and attending Tampa Bay Lightning games any chance she gets.

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Looking Forward to the Future - cntd.

*Melissa John* is a graduate of the University of Florida College of Pharmacy where she completed both her BS in Biology and her Doctor of Pharmacy degree. She is originally from Allentown, PA but has been a Florida transplant for the past 10 years. She is most looking forward to continuing to develop her clinical knowledge and application and forming relationships with her co-residents and preceptors.

*Kayihura Manigaba* of Kigali, Rwanda completed his undergraduate education at Philander Smith College in Little Rock, AR. He later earned his Doctor of Pharmacy degree from University of Tennessee Health Science Center in Memphis, TN. He is looking forward to growing into a well-rounded clinical pharmacist and building great relationships with his co-residents, preceptors and other people with whom he will be working. He finds playing sports therapeutic and enjoys playing and watching both basketball and football (aka soccer). He believes that any time spent at the gym is time well spent!

PGY2 Residency Class

*Jarred Bowden* of Lawrenceburg, Tennessee completed his pharmacy education at the University of Tennessee Health and Science Center. He completed his PGY1 at UF Health Shands Hospital and is staying to pursue a specialty in Infectious Diseases. Next year, he is looking forward to continuing to build relationships with healthcare providers.

*Lucas Orth* grew up in Youngstown, Ohio and earned his Doctor of Pharmacy degree at the University of Kentucky. He completed his PGY1 at UF Health Shands Hospital and is staying to pursue a specialty in Pediatrics. He is excited to finally be devoting the majority of his time to pediatrics, which has been his goal since his second year of pharmacy school. What he is most looking forward to, though, is potentially getting a real job offer next spring!

*Sasha Premraj* grew up in Delray Beach, Florida. She completed her undergraduate education and her PharmD at the University of Florida and then stayed at UF Health Shands Hospital to complete her PGY1. She will be continuing on at UF Health Shands as a PGY2 Resident in Infectious Disease. She cannot wait to deepen her knowledge, to gain the skills necessary to secure an ID clinical specialist position, and to continue to build everlasting relationships with her preceptors, providers, and her soon-to-be partner in bug control, Jarred Bowden.

*Phillip Sanshuck* is from Alhambra, California, which is a suburb just outside of Los Angeles. He completed his undergraduate education and earned his PharmD at the University of Southern California. He is looking forward to making friends and meeting new people as he feels that learning is a passion and enjoying your experiences is a necessity. Phil enjoys cooking and experimenting with new dishes by combining different cuisines.

*Sasha Premraj, PGY1*
Personal and Professional Updates

Recent Publications


Posters & Presentations


Fox M. Clinical pearls for the ICU. To be presented at FSHP, August 6, 2016.

Fox M. Pulmonary hypertension treatment. Speaking panelist at PHA International Pulmonary Hypertension Conference, June 17-19, 2016.


Komorny K, Rosenberg A, McCleary E. Assessment of the daily safety/operations huddle of a pharmacy department, December 2015 American Society of Health-System Pharmacists Midyear Clinical Meeting, New Orleans, LA.


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If there is any news you would like to share, personal or professional, please let us know. Email your update to shandspharm@shands.ufl.edu
Personal and Professional Updates - cntd.

Personal Updates

Stacy Taylor has been serving as the Interim Assistant Dean of Student Affairs at the University of Kentucky College of Pharmacy since March 2015 and will continue in this position until our new Dean is hired. She also welcomed her second child, Alexander Boone Taylor on Nov 8, 2016.

Kate DeSear changed positions and is now the Antimicrobial Stewardship Manager at Community Health Systems corporate office overseeing ~200 hospital AS programs. She was nominated and chosen as one of two best practices in Florida to present on a project titled “The Stewardship Score” at FSHP this August, and had a baby girl, Finley Elizabeth, in September 2015.

Joelle Nelson is expecting her first child in October 2016.

Brian McCullough was hired as the antimicrobial stewardship pharmacist at UT Knoxville Medical Center and will be starting in July.

Stephanie Worrell (now Zack) got married!! She also accepted an ED Pharmacist position at Emory Midtown in Atlanta, Georgia.

Carol Gillis is now a Regional Field Director for AbbVie’s Immunology-Gastroenterology MSL team in the Western United States.

Marlena Fox is having a baby girl Due September 2016

Michael Mathisen is now an Associate Clinical Scientist, Product Development – Oncology, Genentech, South San Francisco, CA.

Jennifer Bushwitz attained critical care board certification (BCCCP).

Amy Kiskaddon, PGY1

Director’s Corner

Dr. Kara Krzan has become a familiar face on the UF Health Shands pharmacy leadership team since filling the role of Chief of Pediatric and Women’s Clinical Pharmacy Services as well as program coordinator of the PGY-2 Pediatric Specialty Residency for nearly two years. Kara joined our institution in August of 2014 after completing a two-year residency in Health System Pharmacy Administration at Nationwide Children’s Hospital in Columbus, Ohio. Since that time, she has been at the forefront of several initiatives which have placed the Pediatric team in a position to succeed for years to come. When asked to comment on life after residency and the importance of being a leader as a new practitioner, Kara replied, “Leadership is a journey, not a destination. Just because you are in a ‘leadership role’ does not make you a leader. As with anything in life, the more practice you get, the better you will be. It’s crucial to start developing leadership skills early.” While presenting a seminar on leadership to the department this past fall, Kara emphasized that she feels the most important attribute of a leader is that of his or her ability to have others follow in the same direction. “A leader is nothing without the support of his or her group,” Kara describes. “In order for a team to make progress, they must all work together with their leader as their guide.”

With the understanding that leadership is not an individual effort, Kara hopes that the Pediatric team will provide an example over the coming months of how a smaller group can help lead others within the entire department. When asked what initiatives her group is hoping to bring to reality in the future, she replied, “Our Pediatric team works very hard to achieve (and sometimes exceed) goals that are set for us. In the coming months, I am hoping that we complete an overhaul of our inventory in the pediatric satellite and serve as the pilot location for inventory software. We also have a pilot program starting soon to dispense bulk medications home with patients upon discharge from three of our pediatric units.

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Like most things in life, however, being a leader comes with many challenges. Kara feels that the biggest ongoing challenge she faces is that of competing priorities. While her current role might designate her as the “leader” of the pediatric pharmacy team, she is also tasked with coordination of additional projects as the pharmacy representative to other pediatric leaders outside of our department. “I would love to spend my days focused on one team to lead – one set of priorities – but that is not the reality,” Kara says. “So I do the best I can, hope that the pediatric team knows how much I appreciate all that they do, and try to serve as a good representative of them in all my other roles.” If one thing is certain, it is that Kara’s first two years with us here at UF Health Shands have provided an exemplary example for the residents as we move into PGY-2 residencies and post-residency jobs around the country.

Lucas Orth, PGY1

Residents and Preceptors Having Fun!

Midyear

FRC