

July 5, 2017

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Director's Corner

Marjorie Lee White, MD, MPPM,
MA

July marks the start of the academic year and for OIPS the beginning of the final quarter of our fiscal year – the home stretch. With new beginnings comes the opportunity to reflect on the important role that simulation plays for those who are new to UAB. April Belle, RN, Director of In Situ Simulation for OIPS, spoke to Graduate Medical Education orientation so that they will all be aware of the simulation community they are joining. We regularly meet with

Institute for Medical Simulation Course at UAB

Andres Viles, MSN, RN



UAB hosted the 5th cohort of the Institute for Medical Simulation: Simulation as a Teaching Tool (IMS@UAB) course June 13-16. IMS@UAB is taught by faculty

stakeholders to "pre-brief" about simulation. Let us know if we can join your group for a conversation!

I hope you will read about all the places and spaces that simulation is taking place and consider partnering with us.



from the Center for Medical Simulation (CMS), which is located in Boston, Massachusetts. The content for the course draws from the disciplines of aviation, healthcare, psychology, experiential learning, and organizational behavior. Participants explore simulation-based teaching methods applicable across the healthcare education spectrum, including undergraduate and graduate medical, nursing, and allied health domains. Participants in the June course came from the Schools of Nursing, Health professions, Medicine, and Dentistry. Health system providers from nursing, critical care, pediatrics, anesthesiology, care transitions, informatics, professional development, family medicine, neurology, oral and maxillofacial surgery, gynecology, and internal medicine also attended the course. [Read more...](#)

CVL Training for Internal Medicine Interns

Jason Morris, MD

On June 16 and 19, the Tinsley Harrison Internal Medicine Residency Program partnered with OIPS to hold a simulation experience at UAB Hospital. The simulations consisted of 8 internal medicine interns. Participants utilized the procedural simulation center in JT 229 to complete central line insertion simulation training. After viewing the UAB Ultrasound-Guided IJ CVL Insertion Training Module, the interns were able to simulate the complete central line insertion procedure and coach a partner intern through the procedure as well. At the conclusion of the sessions, the interns felt very comfortable with central insertion and were especially



thankful for the opportunity to complete the entire procedure multiple times during the session. Highlights and common themes of the experience included the use of ultrasound for proper CVL placement and having a procedural checklist to walk through. Thanks to Dr. Karla Williams, Chief Medical Resident, who helped facilitate the session and to Lisa Bagby, OIPS Director of Procedural Simulation, and David Mathews, OIPS Clinical Simulation Equipment Tech, for their assistance throughout the training session.

UAB Medicine Leeds In Situ

Jeff McGough, CRA



On June 22, the UAB Medicine Leeds location partnered with OIPS to hold a simulation experience in the UAB Medicine Leeds Outpatient Imaging Department. The simulation consisted of seven of learners from both Leeds Primary Care and Radiology. Participants utilized the CT Scan room, simulation mannequin, and a simulated crash cart in order to learn and prepare for potential reactions related to contrast administration, including full cardiac and respiratory arrest.

Highlights and common themes of the experience included ways to improve knowledge of contrast reactions, ways to contact the physicians who will be responding in the event of a reaction, who will

administer medications, and how to prepare medications for administration. We also discussed ways to maximize efficiency of available staff in order to get minimal delays of responders, getting the necessary supplies for reactions, and where to locate items in the crash cart. We discussed the technologists' and the physicians' roles of contrast reactions, including what can and cannot be performed by technologists (such as administering medications).

Thank you to everyone who participated in the simulation including the physicians and nurses from Primary Care, the radiology technologists from the Imaging Department, and OIPS employees.

Fundamentals of Laparoscopic Surgery

JoAnn James, Program Coordinator, Department of Surgery, Surgical Skills Program

The Surgical Skills Lab offers many opportunities for surgical resident post graduate training - anything from simple knot tying to porcine labs with laparoscopic surgical training, hands on skills with instruction, and individual practice on a given surgical technique and procedure. The residents have the opportunity to learn, practice and improve on various skills in an environment that is stress free and available to them 24/7.



One of the main focuses in the skills lab is Fundamentals of Laparoscopic Surgery (FLS) training.

There are five skills along with a web-based education module that each resident must test on by the end of their third post graduate year. Recently, we had a minor flood in the Kracke Building, which caused the surgical skills lab to be closed for a week. This was a crucial time for our residents as seven of them were scheduled for their FLS test during this week, which was also the final cut off for the test. I contacted Lisa Bagby in OIPS about the possibility of temporarily relocating the lab so the residents could still have access 24/7 for practicing and also for their testing. Within no time, Lisa contacted me and had a secured room available for our makeshift lab. Thank you, Lisa, and the OIPS team for always helping out in our time of need.

RIOT Training

Andres Viles, MSN, RN



UAB Hospital has been designated an Alabama Serious Infectious Disease Network Assessment Facility by the Alabama Department of Public Health. As a result, the UAB Rapid Infectious Outbreak Team (RIOT) has agreed to transport patients with confirmed Ebola Virus Disease (EVD) from any hospital in the state to the nearest regionally designated Ebola Treatment Center.

On June 22 and 23, the UAB RIOT conducted its first Ebola transport training in collaboration with UAB Police, Lifeguard Ambulance Service, Department of Emergency Medicine, UAB Laboratory Medicine's Microbiology

Department and OIPS. The training objectives were 1) to simulate the transport of a confirmed Ebola patient from the emergency department via ambulance to a designated transfer point and 2) don and doff personal protective equipment (PPE) without contamination of team members or others. Training consisted of ambulance stretcher training by the ambulance service personnel and an immersive simulation. The simulation used a standardized patient portraying a confirmed Ebola patient needing transport. The team donned the appropriate PPE, prepared the patient for transport, placed the patient in the ambulance, and transported the patient to a simulated transfer point. Simulation, as always, offered a unique opportunity for the team to test the system for gaps in processes, equipment needs, and potential risk points for PPE break and contamination. Post-event evaluations

were positive and reflect the need for additional training. Simulation allows us to deliberately practice and master skills needed to safely care for patients in our community and state.

Nurse Residency Simulations

India Alford, MSN, RN, NE-BC

On June 19, the Center for Nursing Excellence Residency Program partnered with OIPS to hold a simulation experience at the Volker Hall Simulation Sandbox for 26 learners. Nurses with less than six months of experience participate in the residency program. Nursing residents attend the program monthly with their cohort for a year. Each month, different material is presented in a layered fashion to encourage growth and development in learning experiences. This simulation was month five for the learners. The learners were presented with a declining patient condition related to sepsis. The objective for the session is for learners to be able to quickly identify sepsis and prioritize necessary care. Common themes of the experience were "loving the hands on session and getting feedback on which orders to perform first on septic patients." Thanks to Lin Chen, Monique Campbell and Amanda Griffin for participating as ESPs and debriefers.



RESEARCH UPDATE: Poverty Simulation Manuscript Accepted for Publication in Journal of Social Work Education

Shilpa Register, PhD, OD



OIPS is delighted to highlight the success of the Poverty Simulations over the past two years. The Poverty Simulation is a large scale simulation that includes the Schools of Nursing, Public Health, Health Professions, Dentistry, Optometry, Medicine, and the College of Arts and Sciences. This initiative has been led by an interprofessional team including Dawn Taylor Peterson, Laurel Hitchcock, Allyson Varley, Laura Debiaisi, Sallie Shipman, and Marjorie Lee White and has resulted in additional funding and several posters and podium presentations locally and across the nation in Alexandria, VA, Omaha, NE, Atlanta, GA, and Orlando, FL. In May,

the team's manuscript titled "Learning about Poverty through Simulation: A Pilot Evaluation" was accepted for publication in the prestigious Journal of Social Work Education. Congratulations on your hard work!

TECH UPDATE: New 7-Sigma Airway Trainer

Joe Castongia, Clinical Simulation Equipment Technician

Recently, the Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) purchased a new airway trainer. This airway trainer is a 7-Sigma Modular Airway Trainer ©, and it sets itself apart by its attention to detail in appearance inside and out.

Past airway trainers usually had a dull exterior and indistinguishable features more akin to a store mannequin. Our new 7-Sigma simulation system gives the appearance of an actual male human.



His high fidelity anatomy and appearance includes:

- Realistic jaw, neck, tongue, and epiglottis
- Supports Sellick Maneuver training
- Reinforcement of proper patient positioning
- Supports oral and nasal intubation
- Supports the confirmation of intubation
- Accurate simulation of common intubation errors (right mainstream intubation and esophageal intubation)

<https://www.7-sigma.com/7-s3/>

OIPS Scholarly Activity Student Rotations

Hannah Turner, MS3



Choosing to do my scholarly activity with the Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) was a great decision for me. Not only did I get to learn about the behind-the-scenes of simulation styles that I was familiar with, but I was also able to learn about simulation styles I had never heard of before. One of my projects focused on a tabletop simulation. Tabletop simulations are sit-down, discussion style simulations often used in disaster preparation. I was able to be extremely involved in helping to develop a tabletop simulation to simulate clinic workflow processes before implementation in a new clinic. This was something I had

never thought about before doing my scholarly activity with OIPS. I learned so much about how much thought and work goes in to what seems like something very simple. I was able to improve my critical thinking, project development, and abstract writing skills—all necessary skills in the world of medical research and education. Whether I choose to go into academic medicine or not, I know that the skills I have gained from working with OIPS will be helpful in all aspects of my career. From being a learner during medical school and residency, to refining my skills as a future practitioner, to being able to critically think about all kinds of situations. I am so grateful to all of the wonderful people in OIPS who make simulation practical, fun, and an extremely valuable experience.

Wilson DeLaney, MS3

Simulation was a great decision I made regarding my scholarly activity block. They allowed me to work a schedule flexible enough to sufficiently prepare for the STEP 2 board exam and helped build my resume. Best of all, I learned about the process of simulation at UAB, helped build research projects, and functioned as an ESP (embedded simulation person) and a learner in simulations. I gained a whole new appreciation for the effort that goes into simulation while working with the OIPS team, but what impressed me most was their ability to communicate. They are able to teach/communicate with brand new learners, experienced clinicians, and each other with impressive transparency and tact. Mastery of the "Yes, and" statement is widespread among the staff. In my opinion, they set the standard for interprofessional communication at UAB. I look forward to implementing what I learned and to working with them again in the future.

OIPS Team Member Highlight - Avery Stanfield

Avery Stanfield is a student worker with the Office of Interprofessional Simulation for Innovative Clinical Practice. He was born in Opp, Alabama but calls Birmingham home. Avery is a senior at UAB majoring in Healthcare Management. He will graduate in the Spring of 2018 and plans to pursue a Master's of Science in Health Administration. Avery's family consists of his parents, Mike and Lori, and his younger sister, Clancy. His interests include: reading, hanging out with friends, and playing golf. Avery's favorite foods are Japanese shrimp and fried rice. The last book he read was "Absolute Power" by David Baldacci. His last vacation was to Destin, Florida. Avery can be found on Twitter, Instagram and Facebook.



Important Dates for Simulation Community and/or Facilitator Development

July 10, 11, 13, 2017	Shock Week
July 15, 2017	<u>MOCA Course</u>
July 27, 28, 2017	ICU IPE
August 8, 2017	<u>ESP Workshop</u>
August 21, 2017	SimShare
August 30, 2017	<u>SimConnect</u>

For Facilitator Development Opportunities visit
<https://www.uab.edu/simulation/development-opportunities>



Top Rows (left to right): Andres Viles (Simulation Coordinator Senior), Brandon Smith (Clinical Simulation Specialist), Lisa Bagby (Director of Procedural Simulations), Ben Whitaker (Clinical Simulation Specialist), April Belle (Director of In Situ Simulations), Kelly Markham (Administrative Associate), Betty Farley (Program Director III), Brian Mezzell (Program Administrator II), Brad Bertke (Program Coordinator I), David Mathews (Clinical Simulation Equipment Technician), Erin Blanchard (Simulation Educator Senior), Marjorie Lee White (Director)

Seated (left to right): Tyler Burks (Manager - Clinical Simulation Operations - Audio Visual), Amanda Gargus (Clinical Simulation Specialist), Shilpa Register (Director of Research), Dawn Taylor Peterson (Director, Faculty Development & Training), Charlie Prince (Director of Operations)

For more information, please visit us on the web
at <http://www.uab.edu/simulation>



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