

*March 1, 2017*

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## Director's Corner

Marjorie Lee White, MD, MPPM,  
MA

Although February is a short month, simulation activity continued at a rapid pace. Highlights for the month include the OIPS team contributions to the International Meeting on Simulation in Healthcare (IMSH), continued interprofessional simulations for medical and nursing students and a new partnership with Vascular

## International Meeting on Simulation in Healthcare (IMSH) 2017

Shilpa Register, PhD, OD, MS

Surgery.

Our simulation team returned from IMSH with new ideas and new ways to partner to improve the training of our partners and ultimately improve our care for patients.

We are continuously seeking to expand our simulation community of practice. We do this with our facilitator development courses, SimConnect and other activities. Please see our website [www.uab.edu/simulation](http://www.uab.edu/simulation) for more information. If you have suggestions or thoughts on what we can do better, please reach out!



15 members of the OIPS team traveled to Orlando, Florida to present UAB's innovative simulation work at the world's largest conference dedicated to healthcare simulation learning, research and scholarship. At the 17th Annual International Meeting on Simulation in Healthcare (IMSH), the OIPS team presented 3 oral presentations focused on low cost CVL trainers, academic partnerships in simulation, and systems integration in a multi-tiered in-situ program. OIPS team members also presented 8 posters and one workshop focused on quality and safety in TeamSTEPPS training. Marjorie Lee White and Shilpa Register also attended the Society of Simulation in Healthcare Research Summit as part of the conference. Detailed information on presentations and posters is listed [here](#) on our website. In addition, we are proud of the OIPS partnerships within UAB as well as partnerships with national and international colleagues which resulted in 5 additional workshops that were presented. The UAB Simulation Consortium was also presented with a certificate for attaining accreditation by the Society for Simulation in Healthcare for research, systems integration and teaching/education. Our team gained insight into new products and technology, innovative research directions, and networked with national and international colleagues on how to innovate healthcare with simulation.

## Vascular Surgery Training

Adria Whitfield



In early February, OIPS partnered with Vascular Surgery and Endovascular Therapy, UAB Department of Surgery, to host a two-part training event in the Jefferson Tower procedural simulation labs. UAB Vascular Surgery and Endovascular Therapy faculty and fellows, along with industry partners, provided medical students and residents the opportunity to learn and practice femoral / popliteal bypass surgery using state-of-the-art vascular procedure simulators. Additionally, learners were able to perform vascular surgery techniques such as end-to-end anastomoses and vein-to-artery anastomoses using porcine and cadaver

vessels with expert feedback and coaching from our UAB faculty. The session reached 60 learners and was overwhelmingly well received. Thank you to CryoLife, Gore Medical, Maquet Medical Systems, Dr. Adam Beck, Dr. Benjamin Pearce and the Vascular Surgery and Endovascular Therapy department. We are excited for the prospect of future partnerships between Vascular Surgery and Endovascular Therapy and OIPS.

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## Sim 1 & 2 - A Learner's Perspective

Allison Shorten, PhD, RN, RM, FACM



As a new arrival to UAB, joining the Center for Interprofessional Education and Simulation (CIPES) in January this year as director of the Office of Interprofessional Curriculum, I am fast discovering that UAB is a great place to learn. I recently attended Sim 1 and Sim 2, primarily because I was curious and really wanted to see for myself what interprofessional (IP) simulation is all about at UAB. I was surprised by how

much I learned about teaching in the simulation environment, and I encourage anyone with an interest in IP simulation to give [Sim 1](#) and [Sim 2](#) a try!

[Read more...](#)

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## Situational Awareness Sims

Tracie White, MSN, ACNP-BC, CRNFA

On February 9 and 10, the School of Nursing and School of Medicine partnered with OIPS to hold a simulation experience at the Volker Hall Simulation Sandbox. The Situational Awareness simulations consisted of over 250 nursing and medical students. Learners participated in scenarios that allowed them to practice the TeamSTEPPS principal of "situational awareness" where they assessed, diagnosed, and treated a simulated patient. Each simulation experience lasted an hour and allowed participants to focus on clinical principles of endocrine disorders while practicing "situational awareness".



Both nursing and medical students had positive reviews for the experience. Comments included, "I really liked working with the medical students;" "This was a great opportunity to take care of a patient;" "I really liked talking to the doctors!"

We would like to say thank you to the following faculty members who helped to lead this successful event: Todd Peterson, Shawn Galin, Fernando Ovalle, Hussein Abdullatif, Sowmya Chandra-Reddy, Mike Stalvey, Rajasree Nambron, Christen Baker, D'Ann Somerall, Rachel Mumbower, Leigh Bray, April Belle, Kelley Catron, Cardyn Curry, Alfreda Hogan, Sharon Mills, Andres Viles, Penni Watts, and Dawn Taylor Peterson.

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## CVL Insertion Simulation Session for Heart

## Failure Fellows

Salpy Pamboukian, MD & Lisa Bagby, MSN, RN



On February 10, the OIPS hosted an ultrasound guided CVL insertion procedural simulation experience for the heart failure fellows. The simulation was sought out and facilitated by Dr. Salpy Pamboukian, who developed her procedural simulation skills by attending the [Procedural Skills Facilitator Course](#) offered by OIPS. The standard UAB CVL insertion curriculum was used for this session. Three fellows received this training and had the opportunity for deliberate practice.

After the session, Dr. Pamboukian commented "I cannot overstate the value of simulation training. The trainees had the opportunity to develop their procedural techniques in a safe learning environment, free of the pressures encountered in a clinical setting. Feedback from the students was uniformly positive, with a major benefit being reduced anxiety and increased confidence surrounding learning invasive procedures. The techniques learned will translate into improved safety for our patients undergoing central line placement."

## Quality Academy

Scott Buchalter, MD

On Sunday, February 26, 22 members of the Spring 2017 UAB Medicine Quality Academy cohort participated in a series of simulation sessions at the Center for Patient Safety and Advanced Medical Simulation put on by the Office of Interprofessional Simulation for Innovative Clinical Practice team. The UAB Medicine Quality Academy was developed by UAB Medicine in partnership with the School of Health Professions. Participants are nominated by UAB Medicine in concert with the School of Health Professions and come from all over UAB Health System as well as Children's of Alabama. Successful completion of the Quality Academy allows participants to be awarded a Graduate Certificate in Healthcare Quality and Safety. Teams from the Quality Academy work on health system-based quality and safety projects. The simulation session provided an opportunity for hands-on learning in immersive and procedural simulation methods, which go hand-in-hand with improving quality and safety for our patients. Presentations from OIPS faculty included didactics to introduce the concepts deployed in simulation for individuals, teams and systems as well as an update on simulation activity currently occurring at UAB and beyond. Participants discussed additional uses for simulation in their projects, and some have made plans for future simulation activity in their areas of focus. Reactions to the simulation session were exceedingly positive and common themes included the importance of working together as a team and team communication. If you are interested in participating in the Quality Academy in the future, please contact Ashleigh Allgood, Program Manager, at the School of Health Professions, or Scott Buchalter, MD, Quality Education Officer for UAB Medicine.



## Sepsis Tabletop Sim

Mary Grace Cox, RN, BSN, OCN & April Belle, MSN, RN

The Office of Interprofessional Simulation (OIPS) collaborated with UAB CARE to conduct a pilot tabletop simulation that focused on the Code Sepsis process. Members of the Hematology/Oncology healthcare team, including nurses, an advanced practice provider, and nursing leadership, along with the Medical Emergency Team (MET), volunteered to participate in the pilot simulation to help review our current Code Sepsis process. One purpose of this simulation was to examine successes



and opportunities throughout the Code Sepsis process. Another purpose of this simulation was to create an interactive method for reinforcing Code Sepsis education to support UAB's mission of reducing mortality related to Sepsis.

The participants simulated taking care of a patient using a scenario designed for their clinical area. As the participants worked through the care of the patient, additional clinical information was provided to fully simulate the Code Sepsis process such as lab results and repeat vital signs. Using the Code Sepsis framework as an operational context, the healthcare team provided care to the patient.

After the simulation, the UAB CARE manager, Anisa Xhaja, and the UAB Sepsis Coordinator, Mary Grace Cox, along with OIPS conducted a debriefing to discuss identified successes and opportunities using a plus/delta form of debriefing. The participants were very engaged throughout this hour long simulation experience. This tabletop simulation offered an opportunity for the participants to work through the care of a Code Sepsis patient with their knowledge of UAB's current Code Sepsis process, as well as offer feedback regarding how the process could be refined.

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## Medical Intensive Care Unit Sims Update

Mary Grace Cox, RN, BSN, OCN & Lisa Bagby, MSN, RN

OIPS partners with physician and nursing leadership from UAB's MICU to facilitate a monthly interprofessional simulation for physician trainees and newly hired nurses. This interprofessional experience focuses on the team's management of a clinically deteriorating patient as well as interprofessional communication.



In February, the immersive simulation was hybridized with procedural simulation by adding simulated diagnostic ultrasound components. Learners were able to utilize the SonoSim ultrasound simulator to evaluate the efficacy of the clinical management of their simulated patient as well as to help guide continued treatment. The addition of the ultrasound component brought realism to the simulation and allowed learners to practice ultrasound skills within an immersive patient scenario.

UAB Sepsis Coordinator Mary Grace Cox observed the January simulation session. Future plans include adding the expertise of the sepsis team to promote learners' familiarization with the UAB Code Sepsis process and continued practice with managing this patient population. After the simulation, Mary Grace commented "Overall, each role was able to feel heard and misconceptions were clarified as the team talked through the process in a safe environment. Simulation is an excellent teaching tool, especially for interprofessional groups."

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## External Jugular Trainer

David Mathews, Clinical Simulation Equipment Technician



The OIPS procedural simulation team, in collaboration with our newly formed Comprehensive Vascular Access Team (CVAT), strive to promote vascular health in an ever evolving healthcare system. The need for a trainer to simulate External Jugular Access was needed to complete this vision. Older, outdated trainers proved hard to access in addition to having less than optimal realism. We are now implementing a newly designed trainer, created in house by OIPS, for this purpose. We have received positive feedback from members of our CVAT team and hope to implement more of these in

future simulations.

# OIPS Team Member Highlight - Teldra McCord

Teldra McCord is a Clinical Simulation Equipment Technician with the Office of Interprofessional Simulation. She is originally from Montgomery, Alabama, where her parents and brother still live, and she recently graduated from the University of Alabama at Birmingham with a Bachelor of Science in Biomedical Engineering with a minor in Chemistry. Teldra's senior design engineering project included helping to develop a swinging chair for larger children with disabilities who have outgrown toddler devices. The first swinging chair design is now being used by Carly Chandler, the girl who inspired Carly's Law at the UAB Epilepsy Center. Teldra's hobbies include different art forms of dance: ballet, modern and jazz. Her passion for dance has led her to commit 16 years to the art form and now she teaches dance to kids at the local YMCA in her spare time. Teldra's favorite food is Parmesan crusted chicken and the last book she read was "The People Factor" by Van Moody. Her next vacation will be to Petersburg, Virginia to visit her dad's family, but her dream vacation is to visit the City of Light - Paris, and cross the sight of the Eiffel Tower off of her bucket list. She can be found on LinkedIn, Facebook and Instagram.



## Important Dates for Simulation Community and/or Facilitator Development

March 2, 2017	<u><a href="#">Sim 1</a></u>
March 4, 2017	<u><a href="#">MOCA Course</a></u>
March 7, 2017	<u><a href="#">DASH© Series</a></u>
March 22, 2017	<u><a href="#">Advanced Debriefing</a></u>
March 23, 2017	<u><a href="#">Sim 2</a></u>
March 29, 2017	<u><a href="#">SimConnect</a></u>
April 3, 2017	<u><a href="#">Sim 1</a></u>
April 21, 2017	<u><a href="#">Procedural Skills Facilitator Course</a></u>
April 24, 2017	<u><a href="#">SimShare</a></u>
April 26, 2017	<u><a href="#">Procedural Skills Facilitator Course</a></u>
April 26, 2017	<u><a href="#">SimConnect</a></u>
April 28, 2017	<u><a href="#">Sim 2</a></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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