

November 1, 2017

Director's Corner

UAB Sepsis Day Sims

NEC TeamSTEPS® Training

Vascular Surgery Simulations

**Student Teaching Associate
Orientation**

OB Resident Simulations

**Collaborating Across Borders
Conference**

Tech Update

**Friday Night at the ER Tabletop
Simulation**

**SSH Women in Leadership
Conference**

Quality Storyboard Presentations

**Scholarly Activity Student
Rotations**

Research News

OIPS Team Member Highlight



Center for Psychiatric Medicine De-escalation Simulation

Director's Corner

Marjorie Lee White, MD, MPPM,
MA

October 1 marked the start of my fourth year leading the UAB Clinical Simulation/Office of Interprofessional Simulation for Innovative Clinical practice team. This newsletter is reflective of our priorities – we are about

UAB Sepsis Day Simulations

Mary Grace Cox, Sepsis Coordinator, RN,
BSN, OCN

developing people and integrating into institutional priorities in innovative ways. As sepsis is a key institutional priority, we were thrilled to be part of UAB's Sepsis Awareness Day and are actively building other programs.

Our people – team members, learners and partners – continuously work to provide high quality simulation experiences. We are thrilled to be joined by student learners and work study students who contribute immeasurably to our team. Our team members have also been demonstrating what we've been up to – locally, statewide and across the world. Won't you come partner with us?

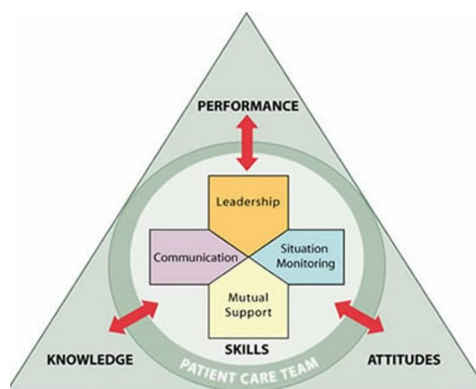


On October 10, UAB Care partnered with OIPS to hold a simulation experience for the 1st annual UAB Medicine Sepsis Awareness Day. Learners from all care areas (emergency department, acute care, and intensive care) participated. Participants viewed pre-recorded videos of the care of a simulated septic patient, created by OIPS and UAB Care, that highlighted important aspects of the CODE Sepsis process specific to their care area. Following the videos, learners participated in a debriefing session to articulate their observations regarding how the care of the simulated patient could have been improved, as well as what parts of the CODE Sepsis process were done well. Highlights and common themes of the experiences included completing the 3- and 6-hour bundle elements of sepsis care; escalating the care of a patient with new or worsening sepsis; creating a sense of urgency when caring for a patient with sepsis; and effective communication during transition of care from one care area to another. Thanks to OIPS for partnering with UAB Care to enhance the sustainment of the CODE Sepsis process and improve the care we deliver.

NEC TeamSTEPPS® Training

Michelle Brown, MS, MLS(ASCP)SB

On October 3, the Nursing Executive Council (NEC) of the UAB Health System joined the Office of Interprofessional Simulation for a lively, interactive session on TeamSTEPPS®. This leadership team learned several of the TeamSTEPPS® key principles and discussed how to apply these strategies to improve communication and collaboration. Activities within the session allowed NEC members to explore briefs, huddles, call outs, closed loop communication, common language, and shared mental models. Members of the NEC remarked that it was a fantastic experience in which they learned a lot and had fun all at the same time.



Vascular Surgery Simulations

Adam Beck, MD



On September 22, the Division of Vascular Surgery and Endovascular Therapy partnered with OIPS to hold a simulation experience including General Surgery residents, Integrated Vascular Surgery residents, and Vascular Surgery fellows. There were 15 learners who participated in multiple open and endovascular simulators, as well as real endovascular device table top deployment. Open surgical simulators included carotid endarterectomy, open aortic aneurysm repair, and peripheral bypass procedures. There were numerous endovascular simulators including endovascular aortic

aneurysm repair, carotid stenting and ultrasound guided peripheral arterial access. The goals of this experience include an introduction to basic endovascular and open vascular surgical principles for the junior trainees, with more advanced exposure to complex procedures for the more senior trainees. Additionally, the senior trainees are exposed to principles associated with guiding a junior trainee through a complex procedure, giving them the attending surgeon perspective on procedures where they frequently are the learner. This event was the third quarterly event for the Division of Vascular Surgery and has been well-received by the trainees. They intend to continue these events in partnership with OIPS, and have developed an annual curriculum that will focus on basic principles for the junior trainees rotating on the Vascular service, and progressive exposure to more complex procedures for the senior Vascular Surgery trainees.

Student Teaching Associate Orientation

Todd Peterson, MD

On October 5 and 12, OIPS held a two-part orientation session for a record number of Simulation Teaching Associates. The program, which trains senior medical students to assist in simulations, is currently in its fourth year. The students will go on to serve as simulated patients, ESPs, and debriefers for a variety of interprofessional events during the academic year. During the orientation event, the students were given lectures on simulation theory and how to be an effective ESP, debriefer, and simulated patient. They also had the opportunity to use their newfound skills as they put each other through a variety of immersive simulations. This group has a tremendous amount of enthusiasm, and we look forward to working with them in the coming year. We would like to express our gratitude to Dawn Taylor Peterson, Fenil Patel, Tracie White, Ben Whitaker, Teldra McCord, and Marjorie Lee White for helping to make the event a success.



OB/GYN Resident Simulations

John Woods, MD



During the months of July and August, the Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) and the Department of Obstetrics and Gynecology collaborated to provide simulated obstetrical emergency scenarios and difficult counseling issues for first and second year OB/Gyn residents. The clinical vignettes were linked to counseling issues that included delivery of bad news for topics frequently encountered by OB/GYNs on labor and delivery units. Counseling topics involved difficult discussions such as intrauterine fetal demise, preterm rupture of membranes, management of periviable gestations, cesarean section counseling, transfusion of blood products and discussion of an undiagnosed lethal fetal anomaly found at

delivery. Objectives for this training included SBAR handoff communication, history, assessment, clinical management and differential diagnosis. The counseling issues involved standardized patients from the Office of Standardized Patient Education and provided real-life patient reactions and discussions for these complex issues.

OIPS and the Department of Obstetrics and Gynecology would like to express appreciation to all who participated in these simulations in both the planning and the execution. A special thanks is extended to Kristy Benefield, RNC-NIC, UAB Women and Infants Bereavement Coordinator who shared valuable resources that are available to our patients and families during the loss of a child.

Collaborating Across Borders Conference

Shilpa Register, PhD, OD

In October, Dawn Taylor Peterson and Shilpa Register proudly represent OIPS at the 6th Collaborating Across Borders (CAB) conference in Banff, Canada. CAB is North America's premier interprofessional health care education and collaborative practice conference which is held every 2 years. OIPS presented a workshop on effective interprofessional debriefing to an audience of Canadian and US educators and practitioners interested in improving current protocols within their institution.



Tech Update: A/V Upgrade for Simulation Rooms

Tyler Burks, Manager - Clinical Simulation Operations - Audio/Visual



As the demand for Hi-Fidelity simulation increases, so do the technical requirements. To meet this challenge, the OIPS team has expanded our high fidelity simulation rooms in QBT from 4 to 7. QBT 312, 314 and 316 all have state-of-the-art PTZ 1080p cameras mounted in the ceiling with accompanying microphones. Each room also has a speaker system that can be controlled from our 3rd and newest control booth. Control booths QBT307 and QBT331 both have two 40" monitors, multiple voice changers and microphones capable of controlling any of the manikins from either room. At least 5 different scenarios can be run simultaneously using all three

booths. Our debriefing rooms can also be used as a control booth allowing for all of the simulation rooms to be operated at once. We will continue to strive in order to provide our learners with the highest level simulation possible.

Friday Night at the ER Tabletop Simulation

Brad Bertke

On Friday, September 29, OIPS hosted a tabletop simulation session. Several members from the Center for Patient Flow joined the OIPS team in participating in the "Friday Night in the ER" systems thinking/team learning game. The objective of the game is to 'survive' a simulated 24-hour period (shortened to about 1 hour in real time) managing one of four hospital departments (emergency, surgery, critical care, and step down) by making decisions about patient flow. The 24 simulated hours of gameplay revealed many different aspects of the realities that influence clinical and administrative staff on a daily basis and how to collaborate across functional boundaries to achieve system goals. Other fundamental themes included making data driven decisions and using smart innovation to overcome challenges. Collaborating with the Center for Patient Flow for this activity also brought about great discussion on how working in silos can be detrimental in the healthcare industry.



SSH Women in Leadership Conference

Marjorie Lee White, MD, MPPM, MA



On October 7, I attended the Society for Simulation in Healthcare's first Women in Leadership Symposium. The keynote address was given by Dr. Jillian Farmer, Director of Medical Services Division of the United Nations. SSH President Christine Cho provided an evidence-based framework for leadership development. Simulation leaders from around the country spent time developing their skills for implementation in practice. Additional time for networking was also embedded.

Quality Storyboard Presentations

April Belle, MSN, RN & Erin Blanchard, MSN, RN, CPAN

The Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) is dedicated to employing simulation techniques throughout the UAB community. This year, OIPS contributed three storyboards to the UAB Annual Storyboard Symposium to celebrate National Healthcare Quality Week 2017. Throughout the year, OIPS partners with various health system departments to utilize simulation as a method for improving processes and supporting quality patient care delivery.

One project focused specifically on the opening of the UAB Whitaker Clinics and emergency preparedness. Another project focused on the UAB Whitaker Clinics Ancillary intake processes. The Whitaker Ancillary area consists of Lab, Injection, and Radiology. These services were expanded to the Whitaker Clinics and needed to test their processes within a new space. The final project submitted focused on how simulation has been integrated into the newly developed anesthesiology intern curriculum. Anesthesia interns take part in both procedural and immersive simulation activities, and during subsequent sessions with anesthesia faculty, learn how to search literature and do an Ishikawa diagram based on their simulated patients and experiences.



Each storyboard was judged on its problem statement and goal, creativity/appearance, and outcomes. Winners of both the inpatient and ambulatory Story Board Symposium will be announced soon along with which story board attendees voted as the fan favorite at each location.

OIPS Scholarly Activity Student Rotations

Josh Day, MS3



I enjoyed working with the Office of Interprofessional Simulation (OIPS) for my scholarly activity. I was allowed to work a flexible schedule that gave me adequate time to prepare for a board exam and prepare my residency application. More importantly, I learned more about the process of simulation and gained a deeper understanding of the collaboration and work required to successfully create an interprofessional simulation. I was able to participate as an embedded simulation person (ESP), learn about designing interprofessional simulations and work on projects related to surgical education for medical students and UAB's Code Sepsis

process. I am thankful to everyone in OIPS for their kindness and guidance. I look forward to applying what I have learned during my simulation experience as a future physician and working with OIPS more in the future.

Research News

Shilpa Register, PhD, OD

On October 25, the Alabama Modeling & Simulation Council hosted AlaSim 2017 in Huntsville, Alabama. AlaSim is the AMSC's international conference targeted to modeling and simulation experts in many domains such as cyber security, disease modeling, missile defense systems, and healthcare simulation.

Andres Viles, Joe Castongia, and Elena Kidd presented an hour-long tutorial on *BIOSAFETY AWARENESS: WHY IT MATTERS AND WHAT YOU NEED TO PROTECT YOUR STAFF* to highlight key elements used in UAB's biosafety and infectious disease response awareness and operations level training, including proper donning/doffing PPE techniques.



OIPS' Director of Operations, Charles Prince, who serves on the Board of Directors for AMSC also attended the conference and chaired the Medical Simulation session track of the conference.

OIPS Team Member Highlight - Kayla Bates



Kayla Bates recently joined the Office of Interprofessional Simulation for Innovative Clinical Practice as a student worker. She is originally from Birmingham. Kayla is a student currently enrolled at UAB and is a certified PCT and CPR instructor. Her family includes her mom, Stacey and younger brother, Justin. Her interests include spending time outdoors and dancing. Kayla is a member of the dance line at UAB. Kayla's favorite food is cheesecake, and the latest book she read was the Bible. Her next vacation will be to South Alabama. Kayla can be found on Facebook and Instagram.

Important Dates for Simulation Community and/or Facilitator Development

November 2, 2017	<u>ESP Workshop</u>
November 29, 2017	<u>SimConnect</u>
December 6, 2017	<u>Difficult Debriefings</u>
December 8, 2017	<u>Sim 1</u>
December 9, 2017	<u>MOCA Course</u>
December 12, 2017	<u>Sim 2</u>

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



Top Rows (left to right): Charlie Prince (Director of Operations), Andres Viles (Simulation Coordinator Senior), Marjorie Lee White (Director), Amanda Gargus (Clinical Simulation Specialist), Teldra McCord (Clinical Simulation Equipment Technician), Kelly Markham (Administrative Associate), Erin Blanchard (Simulation Educator Senior), Brian Mezzell (Program Administrator II), Betty Farley (Program Director III), Brad Bertke (Program Coordinator I), Shilpa Register (Director of Research), Shelby May (Clinical Simulation Equipment Technician), Fenil Patel (Simulation Coordinator), Ben Whitaker (Clinical Simulation Specialist)

Seated (left to right): Lisa Bagby (Director of Procedural Simulations), Tyler Burks (Manager - Clinical Simulation Operations - Audio Visual), Dawn Taylor Peterson (Director, Faculty Development & Training), David Mathews (Clinical Simulation Equipment Technician), April Belle (Director of In Situ Simulations), Joe Castongia (Clinical Simulation Equipment Technician)

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



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