

*December 4, 2017*

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## Director's Corner

Marjorie Lee White, MD, MPPM,  
MA

Communication has been top of mind lately. I'm mindful that >50% of sentinel events are tied back to poor care coordination and communication challenges. As a pediatrician, I've always known that communication is

## Trauma Team Bad News Sim Pilot

Kim Hendershot, MD

complicated.

To counteract this and to develop high performing teams throughout UAB, we must do better. You'll note that this newsletter highlights many ways we are already working on improving communication within our teams and with our patients and families – from the trauma bay to the simulation center – from the classroom to the operating room. Read on.... If you have an idea about how we can use simulation to improve communication at UAB and beyond, please use your CUS language and Speak Up. I'd love to hear from you.

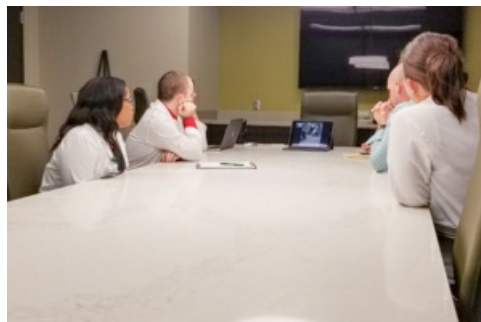


On November 9, the Division of Acute Care Surgery trauma faculty and residents, Emergency Department nurses, Chaplains, and UAB Police partnered with OIPS to hold a simulation experience in Quarterback Tower. The simulation event focused on how the trauma team could provide timely information to families and how we discuss trauma patients' deaths with family and loved ones. Participants had a short educational didactic by Dr. Michael Barnett of Palliative Care and then utilized standardized patients for a simulated "breaking bad news" discussion. There were over 25 participants, and feedback from the simulation was overwhelmingly positive. Common themes included: working together as an interprofessional team to understand role clarity in communications with families, the high fidelity of the simulation, and the importance of including everyone on the care team in the discussions. One participant stated, "It was one of the best organized and finest training sessions I have attended in my eight years with UAB Medicine. I am so grateful for the way UAB Medicine values emotional and spiritual care of our patients, families, and employees." Thanks to the OIPS staff and all of the participants for a fantastic session!

## Optometry In Situ Stroke Sim

Jillian F. Ziemanski, OD, MS, FAAO

On September 8, the School of Optometry partnered with OIPS to hold a simulation experience at UAB Eye Care. The simulations consisted of 26 learners, all in their third year of the professional optometry program. A total of four emergency scenarios were simulated to prepare optometry students to better recognize and stabilize patients who unexpectedly experience health crises in our practices. Highlights and common themes of the experience included learning the importance of declaring leadership, of stabilizing patients, and of smoothly transitioning care to the next healthcare provider. Thanks to Tyler Burks for the technological support to allow us to live stream the simulations from our main clinic floor and to the rest of the OIPS staff for their continued support of our educational program.



## Difficult Conversations Workshop

Dawn Taylor Peterson, PhD

Difficult conversations with patients and family members are common in the healthcare setting, yet opportunities to practice these skills in a safe environment are rare. OIPS sought to meet this need by developing a workshop focused on skills to facilitate difficult conversations. Fourteen pediatric fellows from a variety of subspecialties including emergency medicine, child neurology, infectious disease, gastroenterology, hematology/oncology, and critical care attended this 3 hour workshop in late November. After a brief didactic, fellows had the opportunity to practice difficult conversations with simulated patients and family members. Four different cases were presented, each with a unique situation commonly encountered in pediatric medicine. The workshop was well received with fellows commenting on the value of the tools presented as well as the value of peer feedback. Thank you to Lynn Holt, MS, C.G.C., and Paul Scalici, MD who partnered with Dawn Taylor Peterson, PhD and Michelle Brown, PhD to facilitate this workshop.

## Basic IP Sims - Cross Monitoring

Tracie White, MSN, ACNP-BC, CRNFA



On February 9 and 10, the School of Nursing and School of Medicine partnered with the Office of Interprofessional Simulation for Innovative Clinical Practice to hold a simulation experience at the Volker Hall Simulation Sandbox. The Cross Monitoring simulations consisted of over 250 nursing and medical students. Learners participated in scenarios that utilized a Laerdal ALS manikin in order to recognize and demonstrate important team concepts. This session also saw the first iteration of a new nursing report session in an effort to more closely mimic clinical care. Learner evaluations were positive. Thanks to all who made this

curricular innovation possible.

## RIOT Training

Andres Viles, MSN, RN

On November 8 and 9, the UAB Rapid Infectious Outbreak Team (RIOT) partnered with OIPS to conduct their biannual training in the simulation center. The training consisted of team members rotating through the following skills stations: 1) Stretcher/IsoPod transfer 2) intravenous catheter insertion/lab specimen collection 3) and spill cleanup. Team members did this while in full high level personal protective equipment (PPE). Participants spent approximately two hours consecutively in high level PPE, simulating a shift caring for a highly infectious patient. For most of the participants, this was the first time spending an extended period of time in the new Controlled Air Purifying Respirator (CAPR) systems. These CAPR systems offer a higher level of protection from airborne pathogens and greater comfort. Highlights and common themes of the experience included agreement that conducting training in full PPE for extended periods of time is beneficial and realistically portrays the challenges to patient care. Additionally, team members expressed feeling protected and comfortable in the new PPE configuration. Thanks to India Alford and Joe Castongia for their invaluable contribution to the success of this simulation training.



## UAB Critical Care Transport takes on Rapid Sequence Intubation



The UAB Critical Care Transport (CCT) team has a long history of transporting critically ill patients around the world. CCT continually strives on continuing education within our department to include various situations that we might possibly face during a transport. One situation in particular is the need for Rapid Sequence Intubation or RSI. Our team partnered with OIPS on November 15 to provide simulations of scenarios for our full time nurses and respiratory therapists to partake in to help them prepare for the need of RSI in the field. CCT utilized a room at OIPS with a manikin in three different simulations to help enforce the knowledge of our staff to

know when to use RSI. Our staff, with the superior OIPS staff, did an amazing job that will only benefit CCT futuristically by enforcing the knowledge learned through the simulations.

We are so grateful to the OIPS staff for their willingness to help us from designing the room/manikin to facilitating all aspects of this learning environment.

## Manual Prone Sims

Amanda Gargus, MSN, RN

On November 9, the MICU partnered with OIPS to hold a simulation experience at the simulation center on the 3rd floor of Quarterback Tower. The simulation consisted of 14 learners from Nursing, Physical Therapy, Respiratory Therapy, Wound care, and one physician that utilized a simulation room with a simulated vent, IV pump on a pole with tubing and a bed from MICU in order to create a checklist for prone positioning of patients. Interest in prone positioning to treat acute respiratory distress syndrome (ARDS) resurfaced with the demonstration of a reduction in mortality by a large randomized clinical trial. Reports in the literature suggest that the incidence of adverse events is significantly reduced with a team trained and experienced in the process. The purpose of this simulation was to facilitate the making of a checklist for use in MICU and other critical care units at UAB. Highlights and common themes of the experience included using at least 6 people to turn the patient, having respiratory at the bedside during each turn to maintain the airway, and testing the swimming position while in prone to determine possible issues to patient skin integrity. Thanks to the staff of MICU for partnering with us to be a part of the process.



## Tech Update: ALEX

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



The OIPS team hosted a demo of ALEX the "Patient Communication Simulator." The manikin from Simulaids has a few unique features that were of interest during our demo time. The most interesting of these features is ALEX's ability to respond to your questions without the need of an operator to be the patient voice. ALEX gets programmed with certain questions and responses for a desired case. His ability to respond to odd questions needs to be expanded greatly, but when a more scripted approach is taken, ALEX will give you answers

to your basic history questions and a few comical ones. I was informed that ALEX will be given a massive upgrade this month and will be showing off his/her new features in January.

## CAUTI/CLABSI Prevention Education

Lisa Bagby, MSN, RN

In November, through a collaboration between the Center for Nursing Excellence, Infection Prevention, and the Office of Interprofessional Simulation for Innovative Clinical Practice, an educational module was created geared toward awareness and prevention of catheter associated urinary tract infections (CAUTI) and central line associated blood stream infections (CLABSI). The educational module includes information about the consequences of these infections for the patient and the institution, ways to promote infection prevention, and video demonstrations of maintenance of central lines and insertion of indwelling catheters. This education is assigned to all applicable nurses through the UAB Learning System.



## Simulation Community Collaborations

April Belle, MSN, RN & Dawn Taylor Peterson, PhD



Several faculty and staff members from UAB were recently invited to participate in an introductory simulation workshop in Memphis, TN. On November 16, the Center for Medical Simulation hosted its newest course, Gateway Debriefing Skills Workshop. The Center for Medical Simulation, located in Boston, MA, is an elite group of faculty members dedicated to improving the field of Healthcare Simulation by training simulationists all over the world. The Gateway Debriefing Skills Workshop is a one-day workshop focused on the Debriefing with Good Judgment® method of debriefing. Participants were introduced to simulation debriefing in small groups with peer-to-peer and mentor feedback. April Belle, MSN, RN and Dawn Taylor Peterson, PhD, both from the Office of Interprofessional Simulation for Innovative Clinical Practice, were invited to co-facilitate. Penni Watts, PhD, RN, CHSE-A, Assistant Professor & Director of Clinical Simulation and Training at the UAB School of Nursing was also invited to co-facilitate the course. A former UAB Pediatric Intensive Care Unit Fellow, Nathan Swinger, MD, also served as a co-facilitator for the course.

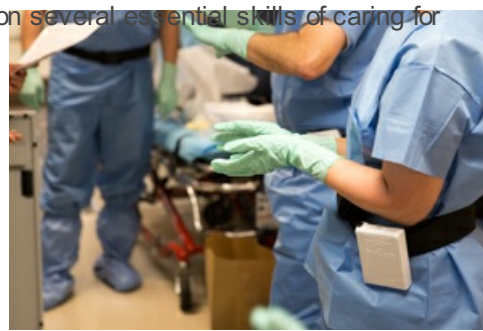
While in Memphis, Belle, Peterson, and Watts presented workshops at the 10th Annual Tennessee Simulation Alliance Conference. This conference was held at The Center for Healthcare Improvement and Patient Simulation (CHIPS) at The University of Tennessee Health Science Center in Memphis, TN. CHIPS is a newly built simulation center with 3 floors that span over 45,000 square feet. This newly built space is currently under the direction of Chad Epps, MD, and services all health professions on the campus.

## Ebola & Other Special Pathogens Training

Andres Viles, MSN, RN

On October 19 and 20, 2017, I had the opportunity to attend the Ebola and Other Special Pathogens Simulation Training Course in New York City. The National Ebola Training and Education Center (NETEC) in NYU Bellevue Hospital Center hosted the training. NETEC is comprised of faculty and staff from Emory University, the University of Nebraska Medical Center/Nebraska Medicine, and the New York Health and Hospitals Corporation, Bellevue Hospital Center. All three of these institutions have safely and successfully cared for patients with Ebola and other special pathogens.

The training provided information and hands-on practice on several essential skills of caring for patients with Ebola and other special pathogens with a focus on providing safe and effective care in Personal Protective Equipment (PPE). Approximately fifty direct care providers, from healthcare facilities across the country attended. Participants brought, and trained in, personal protective equipment (PPE) from their respective facilities. For many of the participants, this was the first time spending an extended period in full PPE. Participants spent a total of seven hours in full PPE performing patient care tasks such as foley catheter insertions, intravenous catheter (IV) insertions, spill clean-up, and patient transport. My hope is to use the knowledge gained from this course to ensure UAB's Rapid Infectious Outbreak Team (RIOT) is following best practices and is ready to respond in a safe and effective manner should the need arise. I would like to thank the Deep South Biosafety Worker Training Program for this opportunity.



## Speaking Up Sims Pilot

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



The operations team got the opportunity to participate in the "Speaking Up" pilot. In this course, the team discussed situations in which we want to help out, but may struggle to voice concerns in an effective manner. Dawn Taylor Peterson, PhD, gave us an introduction to using an advocacy inquiry approach when dealing with delicate situations. This method allows the observer to address the situation with interest and a desire to help those involved. Speaking up might not be easy for everyone, but with some instruction and practice, we know that we can improve our skills and be more helpful in facilitating and delivering simulations.

## Research News

Shilpa Register, PhD, OD

OIPS is proud to support our medical students as they presented in the UASOM Dale J. Benos Medical Student Research Day this November. Five students presented their research during the poster session. Ashley Pettaway reported on novel training for healthcare pipeline students in the Summer Health Professions Education Program. Josh Day reported on his work with the surgery bootcamp under the guidance of Dr. Kim Hendershot. Hannah Turner demonstrated a new interactive tabletop simulation used for testing workflow processes. Wilson Delany reported on the use of AIDET with patient care technicians. Avery Berlin highlighted the development process for a procedural simulation curriculum for vascular access device insertion. Congratulations on your accomplishments!





Congratulations to Erin Blanchard, Lee Ann Riesenber MD, Emma O'Hagan MD, Marjorie Lee White MD, and Tekuila Carter MD for their storyboard titled "Simulation Throughout the Anesthesia Intern Curriculum." The storyboard won the inpatient People's Choice category in the 2017 UAB Medicine Quality Week. Thanks to all who participated. To see the Quality Awards slideshow and a full list of winners click [here](#).

[Click here](#) to view simulation related research initiatives.

If you have updates to your simulation research listing, please email Shilpa Register at [sregister@uabmc.edu](mailto:sregister@uabmc.edu).

## OIPS Team Member Highlight - Andrew Van

Andrew Van recently joined the Office of Interprofessional Simulation for Innovative Clinical Practice as a student worker. He was born in Birmingham and grew up in Bessemer. Andrew is a student currently enrolled at UAB and is pursuing his degree in Biomedical Sciences. His family includes his mom and dad, one brother, and three sisters. Andrew's interests include computers, bowling, and Judo. He has been bowling since he was four and is an entry level national certified bowling coach. His highest bowling score is 300. Andrew's favorite food is seafood, especially crawfish boils. The latest books he read were "When Breath Becomes Air" by Paul Kalanithi and "The Alchemist" by Paulo Coelho. His next vacation will be to Chicago for Christmas. Andrew can be found on Facebook and Snapchat.



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

December 6, 2017	<a href="#"><u>Difficult Debriefings</u></a>
December 8, 2017	<a href="#"><u>Sim 1</u></a>
December 9, 2017	<a href="#"><u>MOCA Course</u></a>
December 12, 2017	<a href="#"><u>Sim 2</u></a>
January 30, 2018	<a href="#"><u>Sim 1</u></a>
January 31, 2018	<a href="#"><u>SimConnect</u></a>
February 1, 2018	<a href="#"><u>ESP Workshop</u></a>

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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