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Director's Corner

Marjorie Lee White, MD,
MPPM, MA

March 2016 saw lots of new activity in the OIPS world both in the Health

OMFS Dental Emergency Simulations

Patrick Louis, MD, DDS

System and on the University side. We continue to train-the-trainer and support the development of the UAB simulation community. OIPS faculty and staff presented both locally in the SON's UAB Nursing Simulation and Technology Mini-Conference, UAB Quality Week and regionally at the Florida Simulation Alliance meeting (see stories below).

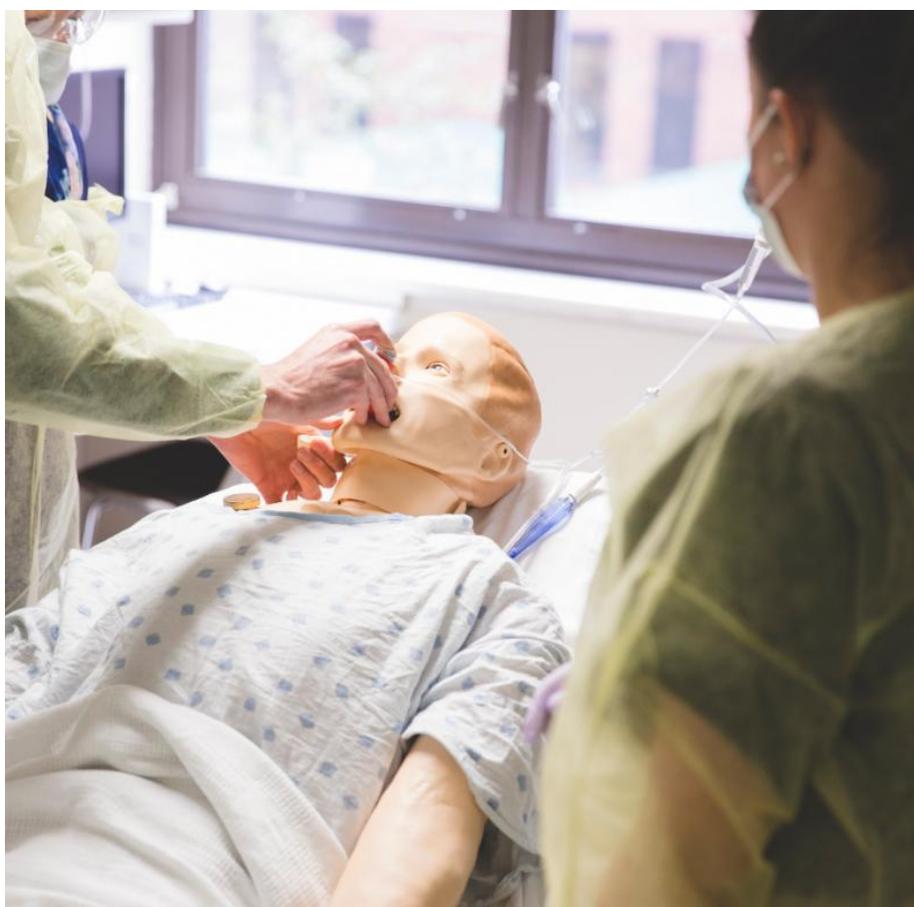
As always, we supported learners across the spectrum from 1st year and 1st semester medical and nursing students in pulmonary simulations to practicing nurse residents.

We hosted a visit from Dr. Stephanie Sudikoff from Yale-New Haven who came to advise the Quality Academy team who is working on developing a TeamSTEPPS implementation plan for UAB. Stay tuned for more information about this exciting project.

We've developed new curriculum this month focused on the first five minutes of a patient in cardiac arrest and are planning to deploy this throughout the enterprise.

We'd love to partner with you to change the way we educate students or train practitioners. With you, we'd like to see one, sim some, harm none.

Check us out @ www.uab.edu/simulation.



On Friday, March 11, 2016, dentists from around the Southeast participated in a pilot simulation experience embedded in their School of Dentistry Intravenous Moderate Sedation course. Participants had an opportunity to practice airway skills in the procedural skills area and also to care for a sedation-related emergency in the immersive simulated setting. Faculty and residents and a nurse from the Oral and Maxillofacial Surgery Department as well as staff from the School of Dentistry partnered with OIPS to develop this course to improve the experience of these learners. The experience was positively received, and plans are being made to develop additional partnering opportunities.

UAB Partners with University of Minnesota NEXUS Group

Dawn Taylor Peterson, PhD

A group of interprofessional faculty from UAB are working collaboratively with the National Center for Interprofessional Practice and Education (NEXUS) which is affiliated with the University of Minnesota. The National Center is focused on the triple aims of (1) improving health, (2) engaging people and communities and (3) controlling costs through NEXUS which is a database connecting health care practice and education. UAB faculty involved are Dawn Taylor Peterson, PhD, Erica Pryor PhD, RN; Shilpa Register, OD, MS, PhD; Kelley Swatzell, DrPH, MPH; Marjorie Lee White, MD, and Robert Rich, MD.



Three members from the National Center came to UAB on March 25, 2016 for a site visit to learn more about interprofessional education and practice as it currently occurs across the academic health system and the university. Visiting faculty and staff from Minnesota were Dr. Frank Cerra, Amy Jarabek, and Sarah Rohde.

[Read more...](#)

Transplant Simulation Pilot

Tammy Marshall, DNP, RN



On March 12, a transplant simulation pilot was offered to interdisciplinary team members who are involved in heart and lung transplant patient care. The purpose of the pilot simulation was to allow interdisciplinary team members to participate and evaluate transplant simulation. Additionally, the pilot served as a foundation for incorporating simulation into the education plan for interdisciplinary orientation and annual competency validation for all solid organ transplant services.

The Course Director would like to thank all of those involved in this very successful clinical simulation experience. In addition to the wonderful support from OIPS faculty and staff, we could not have done this without the help of clinical experts David James, DNP, RN, Scott Kopf, CRNP, Doug Stephens, CRNP, Lindsay Aaron, RN, Jeanette Hamm, RRT, Lisa Smith, RRT, and participants Dayna Lindsey, RN, Robert Blackston, RN, Kirsten Brison, RN, Melissa Meyer, RN. By volunteering your time, participants in future transplant simulations will gain valuable insight and meaningful experience that will positively impact transplant patient care.

Mini-Medical School Alumni Event

Finn Perkins, MD

Partnering with the University of Alabama School of Medicine and the Medical Alumni Association, OIPS immersed School of Medicine alumni in a modern day educational experience using simulation. Known as the Mini-Medical School, alumni are welcomed back to the School of Medicine for a day to see how medical education has changed since they left the classroom. OIPS provided an opportunity for the alumni to observe current medical and nursing students treat a simulated patient using skills ranging from assessment, history, and physical exam to intubation and running a code. The alumni were included in the debriefing to discuss how the team communicated and managed the patient. Alumni shared their clinical experiences regarding similar cases with the current students and how that experience might have led to different management.



Behind the Scenes of Poverty Simulations

Ambiir Gray



Poverty Simulation is an eye-opening experience for those that observe and participate in the simulation. It requires special attention to detail and a lot of preparation on our part to make sure that everything is where it needs to be. There are hundreds of smaller pieces that go into making the simulation flow and more realistic, such as social security cards, employment cards, transportation passes, and simulated money. At the end of the simulation, we work to get all of the pieces back into the storage cart and transported back to Quarterback Tower. We typically begin repairing the

kit by removing, sorting, and cleaning all of the name tags, simulated money, provider cards, personal information sheets, and family/provider packets from the kit. After we get through this step, it typically becomes a divide and conquer strategy of working through the checklist of items that must be in the provider packets first, and then we move on to the family packets. Once every family group and provider packet is put together, we determine if anything did not make it back into the kit from the simulation and either recreate it or try our best to make a duplicate of the item from another kit. If everything is accounted for, then we move on to putting together the debriefer packets with all of the surveys and pertinent information that the poverty simulation debriefers need. This step is a lot less time consuming but still requires an attention to detail when sorting and counting stacks of 8 pre- and post-surveys, evaluations, and other information that participants can consider once they leave the simulation. Lastly, we ensure that sign-in sheets, staging maps of the room set up, debriefing guides, and extra sets of papers for volunteers and debriefers are packed neatly into the cart for the next poverty simulation.

Director's Note: Ambiir Gray is a work study student with the Office of Interprofessional Simulation. She is a double major and hopes to graduate in December 2016 with Bachelor of Arts in African American Studies and a Bachelor of Sciences in Public Health. Our work studies provide invaluable support for the poverty simulations and many other support tasks. They've spent over 80 hours on poverty sims this year. We couldn't do simulation without them!

Patient Safety Awareness Week

Brian Mezzell, MBA



March 13-19 was Patient Safety Awareness Week. As part of this week, time was allotted for discussions and presentations to increase awareness of patient safety and stress its importance throughout the UAB Health System. Lisa Bagby, MSN, RN, from the Office of Interprofessional Simulation, presented on the role that simulation plays in healthcare and how simulation can be utilized to improve patient care outcomes and improve health system efficiency. The presentation covered ways that simulation can be used to

train individuals and teams as well as to test systems and processes. Simulation locations and the types of simulation were also discussed. OIPS continues to use simulation as a test of our healthcare system to explore and discover latent safety threats. Simulation trains healthcare professionals in an authentic environment and improves patient safety by training healthcare professionals to master procedures prior to performing on patients.

SimConnect - David Schwebel Discusses Using Virtual Reality to Teach Children Pedestrian Safety

Brian Mezzell, MBA

March's SimConnect Journal Club & Lecture Series included a presentation and discussion by David Schwebel, PhD "Using Virtual Reality to Teach Children Pedestrian Safety."

Schwebel is Professor and Associate Dean of Research in the Sciences for UAB's College of Arts and Sciences, Department of Psychology and Director of the UAB Youth Safety Lab.

Unintentional injuries are the leading cause of pediatric mortality in the U.S. and much of the world. Utilizing simulation and virtual reality can help develop intervention strategies and ways to prevent child injuries.

Pedestrian safety and crossing the street are complex processes, and children frequently cross the street but often lack the skills to do it safely. Schwebel considers risk factors, the street environment, and behavioral principles to determine ways to utilize virtual reality teach children pedestrian safety. Schwebel's research using virtual reality to help children learn to cross streets safely shows that it can be an effective means of preventing accidents and training children to navigate the street environment more safely.



To learn more about using psychological science and virtual reality to prevent injuries to youth, please visit <https://www.uab.edu/cas/safetylab/>.

To join our SimConnect distribution list, please email simulation@uab.edu or sign up [here](#).

New Quarterback Tower Sim Lab Anesthesia Machine

Tyler Burks, Clinical Simulation Specialist



The OIPS group has recently installed a new anesthesia machine for our Simulation Operating Room. The Datex-Ohmeda model in our sim lab O.R. is the same one used in UAB's operating rooms. Our new anesthesia machine has air, oxygen, extra tanks, and suction. It also can display all the information normally seen during a procedure in the O.R. Using our manikins' software, we can adjust the vitals to indicate any number of real life scenarios including: Malignant Hyperthermia, Cardiac Tamponade, Anaphylaxis, and many more. UAB students, UAB Health System employees, and faculty/staff all utilize our O.R. to learn in a safe environment with plenty of enthusiastic staff to support them. We look forward to learning with you. Special thanks to Susan McMullan, PhD, MSN, CRNA who initiated the application to GE Healthcare product donation program and secured this important piece of equipment to improve the simulations in the operative environment. Dr. McMullan is Associate Professor in the School of Nursing and the Nurse Anesthesia Specialty Track Coordinator.

PNDP Points now Available Through Simulation

Erin Blanchard, BSN, RN, CPAN

The Professional Nursing Development Program (PNDP) has recently partnered with OIPS to offer PNDP points to individuals assisting with simulations. Nurses who wish to participate in PNDP, a clinical ladder program for frontline nurses, can earn points doing a variety of tasks and projects. To earn points through simulation, nurses need to first attend the Embedded Simulation Person (ESP) Workshop. Once the workshop is completed, nurses can sign up to volunteer at multiple simulation events. Four points in Category D of the PNDP packet will be awarded for 4 hours' worth of simulation assistance, with no limit to the number of points that can be earned. If you are interested in volunteering, please contact ErinBlanchard@uab.edu for more information.

OIPS Accreditation Update

Chad Epps, MD



The Office of Interprofessional Simulation (OIPS) is busy preparing an application for accreditation from the Council for Accreditation of Healthcare Simulation Programs (CAHSP). OIPS is seeking accreditation as part of the larger UAB Simulation Consortium that includes the Children's of Alabama Pediatric Simulation Center.

Accreditation indicates an acceptable level of quality and adherence to best practices for healthcare simulation programs. Accreditation, however, also comes with some inconveniences. All clients/programs/departments involved in simulation will be expected to comply with accreditation standards, which includes a methodical process for simulation course development, implementation, and review. The OIPS staff is here to help with the process and ensure it is not overly burdensome for our clients/programs/departments.

CAHSP accredits programs in four primary areas: Assessment, Research, Education, and Systems Integration. All programs must meet a set of Core standards in addition to the primary areas in which they seek accreditation. The UAB Simulation Consortium, after demonstrating compliance with Core Standards, will be seeking accreditation in 3 areas: Research, Education, and Systems Integration. The UAB Simulation Consortium would like to be among the elite in being accredited in all 4 areas but will need to postpone accreditation in Assessment while other policies and procedures are put in place. It is likely the Consortium will apply for Assessment as a mid-cycle addition during its 5 year accreditation period.

Accreditation in Research indicates there is a mission related to healthcare simulation research, appropriate research expertise and oversight as well as compliance with regulatory standards. Accreditation in Education indicates the Consortium has appropriate learning activities, qualified educators, a process for curriculum design, and a process for ongoing curriculum feedback and improvement. Accreditation in Systems Integration represents the Consortium's commitment to improving patient safety and integrating into the quality and safety initiative of the health system.

The accreditation application will be ready for submission by the May 15 deadline. If accepted for review, the team will visit UAB in fall of 2016 and a decision by the Board of Review for CAHSP can be expected by the end of calendar year.

UAB Faculty Present at the Florida Healthcare Simulation Alliance

Dawn Taylor Peterson, PhD



Three faculty members from UAB presented at the 1st Annual Excellence in Simulation Conference (ExSim) in Orlando, Florida on March 10-11. Chad Epps, MD delivered the keynote address on using Simulation for Assessment. Dr. Epps is the Associate Director of the Office of Interprofessional Simulation and President of the Society for Simulation in Healthcare. He also holds faculty appointments in the Schools of Health Professions, Medicine, Nursing, and Engineering. Dawn Taylor Peterson, PhD and Penni Watts, PhD, RN, CHSE-A also facilitated a workshop with Dr. Epps on the

Fundamentals of the PEARLS Debriefing Method. Dr. Peterson is the Director of Faculty Development & Training for the Office of Interprofessional Simulation and an Assistant Professor in the School of Medicine. Dr. Watts is an Assistant Professor and the Director of Clinical Simulation for the School of Nursing.

OIPS Team Member Highlight - Charlie Prince

Charlie Prince is the Program Director II for the Office of Interprofessional Simulation. He joined the office in 2013 and handles many of the operational aspects of the office. Charlie is originally from Homewood, Alabama and attended UAB where he earned his BA in Philosophy. He recently completed his Graduate Certificate in Healthcare Quality and Safety at UAB's School of Health Professions. Charlie has two children, Lucy and Frank, and a Shikoku/Cane Corso mix dog. Charlie's hobbies include spending time with his kids and nature photography. The latest book he read was Erik Larson's "The Devil in the White City" and his favorite food is steak. His next vacation will be to the beach.



Upcoming Events

April 14, 2016

[Facilitating Interprofessional Debriefing](#)

April 18, 2016

[SimConnect](#)

April 18, 2016

[Advanced Debriefing](#)

April 22, 2016

[Rapid Cycle Deliberate Practice](#)

April 29, 2016

[Sim 1](#)

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



Top Rows (left to right): Tyler Burks (Clinical Simulation Specialist), Jarrod Young (Clinical Simulation Specialist), Betty Farley (Program Director III), Marjorie Lee White (Director), Brian Mezzell (Program Administrator II), Erin Blanchard (Simulation Educator Senior), Chad Epps (Associate Director), Kelly Markham (Administrative Associate), David Mathews (Clinical Simulation Equipment Technician),

Seated (left to right): April Belle (Simulation Coordinator Senior), Lisa Bagby (Simulation Coordinator Senior), Dawn Taylor Peterson (Director, Faculty Development & Training), Jabril Cooper (Clinical Simulation Specialist), Charlie Prince (Program Director II)

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

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