

October 2, 2017

Director's Corner

Virtual Crash Cart Sessions

Sepsis Sims in Acute Care IP

TKC Clinic Space Sims

Optometry In Situ Sims

OIPS Partners with School of Engineering

OIPS and ZIEL Collaborate to offer SimUAB® Conference

UAB Simulation Consortium Hosts SSH-INACSL Regional Workshop

Tech Update: NMT Program Utilizing Venipuncture Sleeves

Research News

First Annual Healthcare Simulation Week

American Academy of Pediatrics - Section on Simulation & Innovative Learning

OIPS Team Member Highlight



Director's Corner

Marjorie Lee White, MD, MPPM, MA

September saw UAB's simulation group spread beyond our institution as we joined the celebration of the first Simulation in Healthcare week with colleagues from around the world.

Virtual Crash Cart Sessions

Teldra McCord, Clinical Simulation Equipment Technician

We also provided a location for the Society for Simulation in Healthcare's regional simulation conference.

We continue to focus on simulations for sepsis and other patient safety priorities. We are also working to highlight and disseminate the great work that is being done here at UAB and to tell our story.

We are continuously looking for ways to improve what we do.

This month we asked: can we use a virtual crash cart to improve emergency response and to meet the needs of changing learners? What do you think? I'd love to hear your thoughts.



Crash carts are moveable devices that are supplied with readily available medical equipment to help aide in emergent life-support patient care. Knowledge of what and where this equipment is located is an important part of resuscitation preparedness. The Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) held seven crash cart feedback sessions throughout the months of August and September. The purpose of the sessions was to test the effectiveness of a virtual crash cart activity versus an in-person crash cart activity that will help support the training/sustainment of skills for different healthcare providers. [Read more...](#)



Sepsis Simulations in Acute Care IP Sims

Winter Williams, MD

On a monthly basis, third year medical students on their Internal Medicine clerkship now participate in a hybrid simulation to teach and reinforce core elements of sepsis management. In this blend of immersive and procedural simulation, students learn to recognize signs of a deteriorating patient and rapidly implement treatment interventions. In addition to timely volume resuscitation and antibiotics, students utilize previously taught procedural skills to obtain peripheral intravenous access. They also learn the tools in place at UAB to address this major institutional priority and predominant cause of inpatient mortality. By providing these skills and education upstream at the medical student level, our learners are better equipped to recognize and treat sepsis in their patients across the spectrum of their clinical rotations. Many thanks to Erin Blanchard and Dawn Taylor Peterson for their help in developing the scenario.



The Kirklin Clinic Space Sims

Shelby May, Clinical Simulation Equipment Technician



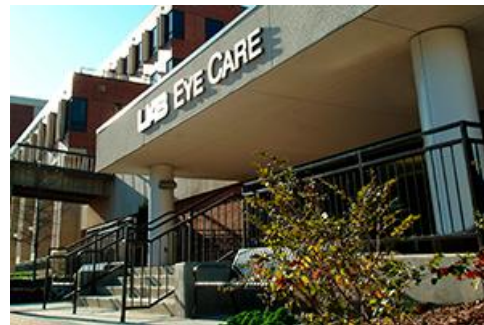
On September 12-14, The Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) partnered with Facilities Planning to host a space simulation that would allow practitioners, clinical staff and patient relations a chance to comment on plans for the renovations within the clinic space in TKC. The simulation occurred on the 3rd floor of the Northeast corner of TKC, in the former IM3 clinic. Direct care providers from multiple professions, administrative leaders, facilities planners, as well as the Patient and Family Advisory Council, were invited to a series of simulation sessions and were asked to provide feedback related to work flow, equipment

placement, accessibility and general utility of the room. Feedback provided from participants was provided to facilities planning and administration to utilize as they move forward with clinic renovations. This simulation experience served as an interprofessional collaboration to address the wants and needs of our healthcare providers, patients and patient family members. OIPS would like to thank all participants and the many people who helped orchestrate the simulation.

Optometry Simulations

Jillian 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, stabilizing patients, and 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.



OIPS Partners with School of Engineering for Senior Design Rotations

Erin Blanchard, MSN, RN, CPAN

The Office of Interprofessional Simulation for Innovative Clinical Practice and the School of Engineering are partnering together once again this year to offer biomedical engineering students the opportunity to do their senior design rotations creating a simulation adjunct to be used in high priority, patient safety-focused simulations. The proposed product, a rapidly expanding, remote controlled hematoma, is a completely new project and would be the first of its kind. The OIPS team is looking forward to this continued partnership and what this product could do to enhance simulations related to patient safety.



OIPS Attends 10th Annual Healthcare Simulation Conference



UAB's Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) and The University of Kansas Medical Center's (KUMC) Zamierowski Institute for Experiential Learning (ZIEL) have found common ground in the world of healthcare simulation. Recently, two members from OIPS visited Kansas to attend the 10th Annual Healthcare Simulation Conference jointly hosted by Johnson County Community College (JCCC), University of Kansas, and Kansas City Regional Simulation Alliance. This year's conference focused on simulation research.

UAB Simulation Consortium Hosts SSH-INACSL Regional Workshop

Marjorie Lee White, MD, MPPM, MA

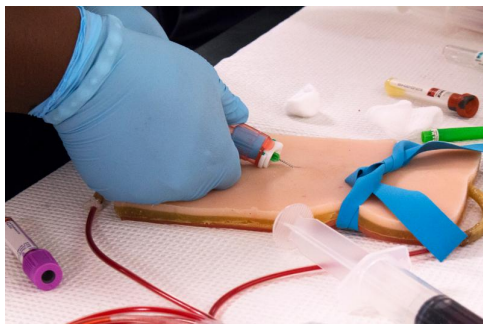
On September 23, the UAB Simulation Consortium, which includes OIPS and the Pediatric Simulation Center at Children's of Alabama, served as the host for the Society for Simulation in Healthcare (SSH) and the International Nursing Association for Clinical Simulation and Learning (INACSL)' regional workshop. The workshop took place at the Bradley Lecture Center and was attended by simulationists from Alabama, Mississippi and Florida, primarily. Participants learned about accreditation and certification.



Simulation Regional Workshop

Tech Update: NMT Program Utilizing Venipuncture Sleeves

Norman E. Bolus, MSPH, MPH, CNMT, FSNMMI-TS



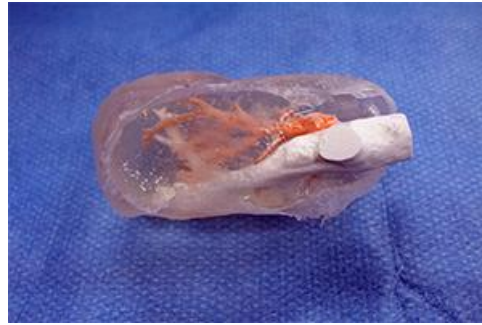
On September 18, the School of Health Professions, Clinical and Diagnostic Sciences Department, Nuclear Medicine Technology Program partnered with OIPS to hold a simulation experience in the Nuclear Medicine Lab located within the School of Health Professions. The simulation consisted of eighteen learners. Participants utilized the OIPS-developed, realistic antecubital fossa arms in order to practice venipuncture skills. The homemade arms have resulted in a very life-like model that feels and reacts very closely to real human skin and tissue. This has allowed our students to practice venipuncture skills such as drawing blood, giving

injections, starting butterfly needle access and practice with IV placement on a model that is more life-like than most plastic models that are commercially available. "It is a huge advantage to have realistic feel anatomical arms to practice with versus a traditional plastic model. The closer we can achieve realism in the simulated realm, the better the real life experience will be for our students," said Norman E. Bolus, Assistant Professor and Program Director of the UAB Master of Science in Nuclear Medicine Technology Program. "I greatly appreciate OIPS partnering with us in helping to train our students using this homemade model."

Research News

Shilpa Register, PhD, OD

From London to Birmingham, UAB's simulation community made a tremendous impact in research. In July, Tal Koppelman presented a poster highlighting the 3-D lung model used for surgical evaluation and simulation of congenital pulmonary airway malformations. This same work was presented locally in September at the Society of Asian American Surgeons 2nd Annual Meeting. Co-authors and contributors included: David Mathews, Brandon Smith, Ilan Maizlin, Vincent Mortellaro, Robert Russell, Mike Chen, and Marjorie Lee White.



Two of our medical students, Hannah Turner & Avery Berlin, were chosen to present their posters at the 6th Annual RIME conference. The posters focused on procedural simulation curriculum development for vascular access and ways to test workflow processes using an interactive tabletop simulation.

Obesity featured SHP faculty Tapan Mehta and Allyson Hall in the September issue with a commentary on an article "Socioeconomic Status and Differential Lifetime Costs of Overweight and Obesity: An Application of Microsimulations" by Sonntag et al.. Please keep us

posted about your scholarly activity so that we may highlight your efforts!

First Annual Healthcare Simulation Week

Brian Mezzell, MBA

September 11-15 marked the first annual Healthcare Simulation Week by the Society for Simulation in Healthcare. The inaugural week celebrated global professionals who use simulation to improve safety, effectiveness, and efficiency of healthcare delivery. OIPS hosted an information table with manikins and task trainers in the UAB Health System North Pavilion elevator lobby to raise awareness in our community about healthcare simulation leading us to safer and improved patient care. Thank you to all of those who visited the booth and who have partnered with us to support simulation throughout the UAB enterprise.



American Academy of Pediatrics - Provisional Section on Simulation & Innovative Learning

Marjorie Lee White, MD, MPPM, MA

As evidence of the continued integration of simulation into the healthcare community, the American Academy of Pediatrics (AAP) has recently approved a new Provisional Section on Simulation and Innovative Learning. At the recent, national conference in Chicago, IL in September, the section had its first educational program, which included lectures by Mary Patterson, MD and Marjorie Lee White MD, MPPM, MA. The focus of this session was on Office Preparedness for Emergencies and the use of systems thinking to help do this. Many of the lessons OIPS has applied at UAB were shared with general and subspecialty pediatricians alike.

OIPS Team Member Highlight - Abby Carroll

Abby Carroll recently joined the Office of Interprofessional Simulation for Innovative Clinical Practice as a student worker. She is originally from Birmingham.

Abby is currently a senior in the Health Care Management program at UAB and hopes to attend Occupational Therapy school after receiving her Bachelor's degree. Her family includes her mom and dad, Kay & Richard, and her sister, Kaitlyn. Her interests include: traveling, reading, hiking, and spending time with her dog. Abby's favorite food is spaghetti, and the latest book she read was "Go Set a Watchman" by Harper Lee. Her next vacation will be to Nashville to celebrate Thanksgiving and her parents' birthdays.



Important Dates for Simulation Community and/or Facilitator Development

October 9, 2017	<u>SimConnect</u>
October 16-20, 2017	National Healthcare Quality Week
October 23, 2017	SimShare
October 29, 2017	Quality Academy Simulations
November 2, 2017	<u>ESP Workshop</u>
November 29, 2017	<u>SimConnect</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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