January 2, 2019

Director's Corner
Gardendale Freestanding ED
Space Simulations
Active Shooter Drill
HMET Sims
Anesthesia Airway Sims
Advanced Procedure Training for Advanced Practice Providers
Poverty Sim Debriefing
Tech update: Expanding Hematoma
Research Update
Team Member Highlight

Director's Corner
Marjorie Lee White, MD, MPPM, MA

December is traditionally a “slow” month in the simulation community with many of our partners busy with end of the academic quarter and holiday plans. We often use the extra time to clean up, refresh technology and plan for the next calendar year. However, 2018 was not SLOW for OIPS!

As you can read, we were busy helping the UAB Gardendale Freestanding ED get ready for business. Space simulations are an exiting part of our simulation toolkit – the focus here is on space preparedness and systems improvement. We were able
On Friday, December 14, the Office of Interprofessional Simulation partnered with leadership from the new Gardendale Freestanding Emergency Department to test patient flow processes through a "Day in the Life" simulation. This event was referred to as a "Day in the Life" simulation because the focus was to test the facilities and patient care processes that would occur on any given day at the new facility. Approximately 115 participants attended the simulation in various staff, patient, or observer roles designed to collect feedback and uncover any potential latent safety threats that may exist in the new space.

Read more and explore a 360° time-lapse of the simulation here.

Active Shooter Drill
Andres Viles, MSN, RN

On Friday, December 7, UAB Campus and Hospital Departments of Emergency Management conducted a joint active shooter full-scale exercise. The exercise included participants from Birmingham Police, UAB Police, Birmingham Fire and Rescue, and the FBI to name a few. OIPS worked with the exercise coordinators to simulate an operating room scenario. The purpose being to offer law enforcement the opportunity to test their process for securing the scene in an operative/surgical setting. OIPS team members Erin Blanchard, Shelby May, Tyler Burks, and Andres Viles transformed a room in the UAB Townhouse Hotel building into a simulated operating room for the drill.

HMET Sims
Patrick Siler, MD

On December 18, the Highlands Medical Emergency Team partnered with OIPS to hold a simulation experience at the Quarterback Tower Simulation Lab. The simulation consisted of advanced practice providers, respiratory therapists, and nursing, who all respond as a team with the Highlands Medical Emergency Team. Participants utilized the manikins and simulation space in the Quarterback Tower Simulation Lab in order to improve their inter-professional communication and refine the clinical skills required in the immediate resuscitation of patients who experience acute changes in their clinical condition while admitted to the hospital. Participants not only displayed and refined effective teamwork skills but also displayed capable clinical skills in the resuscitation of critically ill patients ranging from severe sepsis to cardiac arrest. Special thanks to Andres Viles from OIPS for heading up the organization of this experience and also to Somali Nguyen for his assistance in facilitating the simulations.

Anesthesia Airway Sims
Tekuila Carter, MD & Lisa Bagby, MSN, RN, CHSE

OIPS is pleased to collaborate with the Department of Anesthesia to provide introductory airway management procedural simulation for 3rd and 4th year medical students during their Anesthesia rotation. This training consists of preliminary learning plus hands on procedural practice with expert coaching from Anesthesia faculty. The learners are able to practice a variety of airway management techniques including manual maneuvers, oral and nasal airways, bag mask ventilations, laryngeal mask airway insertion, and endotracheal intubation while utilizing trainers with a varying degree of difficulty. This session is well received by learners and provides a basis for continuing development of expertise in airway management.

Advanced Procedure Training for Advanced Practice Providers
Don Reiff, MD & Lisa Bagby, MSN, RN, CHSE

In November, OIPS hosted training sessions for advanced critical care vascular access procedure training for a select group of advanced practice providers. These sessions included online didactic learning modules and standardized procedural simulation training for ultrasound guided central venous access device placement in multiple sites, including vascath placement in the internal jugular and femoral sites. The learners were able to practice multiple iterations of each procedure with coaching and feedback from expert facilitators. Thank you to Drs. Sam Windham, and Jonathan Black for offering your time and expertise to facilitate these sessions.

The Poverty Simulation - Getting Involved
Dawn Taylor Peterson, PhD

OIPS is thrilled to announce the 2019 Spring Poverty Simulation schedule. A total of eight Poverty Simulations will be offered during the spring semester to meet the needs of learners in the Schools of Nursing, Dentistry, Health Professions, Optometry, Medicine, and the College of Arts and Sciences, as well as the Pastoral Care Residency and the UAB Early Head Start program. As the Poverty Simulation continues to expand, we will continue to need small group debriefers. OIPS has trained over 50 faculty and staff since 2015 to debrief small groups in the Poverty Simulation. Forty of those who have been trained regularly partner with us to debrief small groups. If you are interested in becoming a Poverty Simulation Debriefer, please visit the Poverty Simulation Initiative page https://www.uab.edu/simulation/initiatives/poverty-simulation and click on the green interest button.

Tech Update: Expanding Hematoma
In simulation there are times when the simulationists realize that the learners just don't see the medical issues presented to them. We all understand that this is a limitation of the manikins we work with. The solution is creative thinking and innovation within the team of simulationists. An expanding hematoma can be created realistically and cheaply with a little creative thinking. We did just that and created a hyper-realistic expanding hematoma that we can expand remotely as needed. Our learners can now see and palpate a very realistic hematoma. This also allows them to ask for a procedural kit and relieve the pressure by actually cutting the skin to drain the blood. If needed, they can also suture or staple the incision closed. Innovation and communication as a team helps us create the exact same concept for our learners. Think it through, build a plan and carry it out.

Research Update

As part of the goals for the inaugural Simulation Fellowship, Kelly Roszczynialski, MD, our Sim Fellow, has begun to develop her expertise in simulation research. This month saw the successful implementation of space simulation for the new Gardendale Freestanding Emergency Department. The data collected will be used to identify latent patient safety threats to the leadership teams utilizing the Survey Analysis for Evaluating Risk (SAFER) Matrix from the Joint Commission. In addition to the healthcare quality and patient safety direction of simulation research, Kelly will be investigating educational aspects of simulation as well. Her second project will evaluate the perceptions and effectiveness of Rapid Cycle Deliberate Practice (RCDP) Simulation as an educational method for practicing interprofessional teams. Through the use of focus groups and individual interviews, she hopes to determine whether RCDP is a viable tool for the continued training and education of practicing healthcare professionals. We look forward to the results of these projects and Kelly’s further growth as a simulation researcher.

Click here for more information related to research activities.

Team Member Highlight: Ivory Daniels

Ivory Daniels recently joined OIPS as a Clinical Simulation Equipment Technician. He was born in Saraland, Alabama and attended UAB to earn his bachelor's degree in Health and Community Development. Ivory has a background in sterile processing and surgical instrumentation. His interests include spending time with his family and daughter, and working on cars. His favorite food is fried chicken and shrimp and the latest book he read was "The Art and Science of Respect" by James Prince and Jasmine D. Waters. Ivory's next vacation will be to the Dominican Republic.
**Important Dates for Simulation Community and/or Facilitator Development**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>January 10, 2019</td>
<td>Sim 1</td>
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<tr>
<td>January 15, 2019</td>
<td>SimConnect</td>
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<td>February 5, 2019</td>
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<tr>
<td>February 8, 2019</td>
<td>Sim 2</td>
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<tr>
<td>February 12, 2019</td>
<td>ESP Workshop</td>
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<tr>
<td>February 13, 2019</td>
<td>Difficult Debriefings</td>
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</tbody>
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For Facilitator Development Opportunities, visit [https://www.uab.edu/simulation/development-opportunities](https://www.uab.edu/simulation/development-opportunities)

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