Director's Corner

Marjorie Lee White, MD, MPPM, MA

March saw the Office of Interprofessional Simulation for Innovative Clinical Practice (OIPS) continuing to partner to provide high quality simulation experiences for the UAB enterprise. Patient Safety Week provided an opportunity for us to directly make the connection between training high quality
teams – UAB needs TeamSTEPPS! We also were thrilled to have great participation in our rooms of patient safety horrors simulation.

We are also looking at ways to do simulation differently – please see stories about telesimulation, phishing simulations and rural mobile simulation. We’re hoping to learn some new ways to be able to reach those within our network differently. Let us know if you have thoughts about how we might do this.

We were also proud to help celebrate the accomplishments of UAB-based United States Air Force Special Operations Surgical Team and to provide a location for EMS training. It truly takes a village to provide care for our patients and we appreciate all members of the healthcare team.

Patient Safety Awareness Week is devoted to increasing awareness about patient safety among healthcare professionals and the public. This year’s Patient Safety Awareness Week was March 11-17. As part of UAB’s participation in Patient Safety Awareness week, OIPS partnered with Quality & Patient Safety to hold two activities on March 13th, focusing on improving patient safety. The first activity, Sim Rooms of Patient Safety Horrors, was held in the Quarterback Tower sim lab and consisted of three rooms with varying latent safety threats in the rooms. Attendees participated in a scavenger hunt as they explored the rooms to identify as many patient safety threats as they could. Over 60 participants came to the sim lab. At the end of the day the forms were collected and tallied and four winners were selected. Congratulations to Kalan Busby, Heather Martinez, Jermaine Dunn, and Melanie Dunn.

The OIPS team also presented TeamSTEPPS® principles and exercises to a group of 45 UAB Medicine employees. TeamSTEPPS® is an evidence-based teamwork system designed to improve communication and teamwork among healthcare professionals. After a short didactic session, participants were able to practice their teamwork and communication skills in the marshmallow challenge. The team objective was to build the tallest free-standing structure with the provided materials and have the marshmallow be on top. UAB is committed to improving patient safety and if you would like to discuss how to utilize simulation to address patient safety issues please contact simulation@uab.edu.

Emergency Medicine Telesim

Eric Schrandt, MD & Fenil Patel, MD
On March 20th, the Emergency Medicine Clerkship had nine students participate in a pilot of the very first telesim debrief! Student learners participated in two separate clinical scenarios, and were then subsequently debriefed utilizing the telesim modality. Telesim is a new concept that allows remote debriefing of learners in one geographic location by content expert facilitators in a separate geographic location. The learners, facilitators, and OIPS staff were pleased with the quality of telesim video streaming and the clarity of the debrief conversation over the webcam. We plan to continue to further explore this new and exciting technology so that we can best incorporate it into future simulations.

Emergency Medical Services Skills Challenge
Will Ferguson, MD, FACEP, FAAEM

UAB’s care does not have to start at our doors. We can have an impact on the care our patients receive even before they arrive. Our pre-hospital partners are key players for the patients we manage in our Emergency Department on a daily basis. As part of the Department of Emergency Medicine, Office of EMS effort to reach out to our community pre-hospital providers, close to 167 members of the pre-hospital community were able to participate in the educational outreach program. The goal of the program, Alabama EMS Challenge, is to expand and reinforce the knowledge base and skill set of our pre-hospital partners. Overall, we were able to help train a wide range of pre-hospital providers, from basic Emergency Medical Technicians to Nationally Registered Paramedics, as well as integrate emergent nursing skills for all levels. Providers also participated in OIPS-sponsored biosafety training in the Volker Hall Simulation Sandbox.

Task Assistance Sims
Tracie White, DNP, CRNP, ACNP-BC, CRNFA

On March 6 and 7, the School of Nursing and School of Medicine partnered with OIPS to hold a simulation experience at the Volker Hall Simulation Sandbox. The Task Assistance simulations consisted of over 250 nursing and medical students. Learners participated in scenarios that allowed them to practice the TeamSTEPPS® principal of “task assistance” where they assessed, diagnosed, and treated a simulated patient. Each simulation experience lasted an hour and allowed participants to focus on clinical principles of reproductive disorders while practicing “task assistance”. Both nursing and medical students had positive reviews for the experience. Comments included, “I really loved working with the medical students” and “This was great practice for real-life patient care”. We would like to say thank you to all those who helped to lead this successful event.

Bronze Star Recipients

OIPS was honored to host the Bronze Star Recipients of the UAB-based United States Air Force Special Operations Surgical Team for a portion of the filming of
their segment which aired on NBC Nightly News. OIPS would like to recognize them for their award. Arranged by Bob Shepard, UAB Media Specialist, UAB News, OIPS was delighted to provide a simulated clinical setting for background. You can see their segment on NBC Nightly News [here](#) and read the UAB News story [here](#). If you are interested in using the simulated setting to film a segment please contact us.

---

**SimConnect: Phishing Simulations**

*Shilpa Register, PhD, OD*

SimConnect hosted Dr. Curtis Carver, Vice President of Information Technology, on March 20, at the Executive Learning Center in SHP where we learned about the importance of security education and training along with the effective use of phishing simulations that have been implemented at UAB. Our next SimConnect meeting is April 24, 2018. We hope to see all our sim friends there. Our topic will be “Investigating the impact of moulage on simulation engagement.” To view the SimConnect articles please click [here](#). To volunteer to participate in SimConnect or for questions or more information please email simulation@uab.edu.

---

**Simulation Research Update**

**UAB Core & Shared Resources Day**

This month, OIPS had the opportunity to share information on our services, mission, and values to the UAB Community on March 21 at the Core and Shared Resources Day. At the same time, it was a great venue to learn about the myriad of resources available at UAB.

**Interprofessional Simulation represented at the SOM Research Roundtable**

The School of Medicine held its first Research Roundtable on Tuesday, March 13th at the Sheraton Hotel Birmingham. The purpose of the event was to highlight current research endeavors and provide an opportunity to share new work and exchange ideas. Dawn Taylor Peterson, PhD presented a poster on the Social Determinants of Health Simulation which was a pilot project funded by an internal Faculty Development Grant. Other members of the project team include Laurel Hitchcock, PhD, MPH, LCSW; Kelley Swatzell, DrPH; Shilpa Register, PhD, MS, OD; Charlie Prince, MS; and Marjorie Lee White, MD, MPPM, MA.

**Society for Simulation in Healthcare Publication**

Congratulations to Chrystal Rutledge and Nancy Tofil for their recent publication “Leveraging Quick Response Code Technology to Facilitate Simulation-Based Leaderboard Competition” in Simulation in Healthcare this past February!
Simulation in Rural Healthcare Conference
Brad Bertke

On March 20th and 21st, Brad Bertke had the opportunity to attend the 2018 Simulation in Rural Healthcare (SIRH) conference in Bozeman, Montana. The SIRH conference was hosted by SIM-Montana, but content was delivered by four upper Midwest state simulation programs: Montana, North Dakota, South Dakota, and Nebraska. Each of these states received funding via a grant from the Helmsley Charitable Trust to support the mobile units (trucks) along with other associated startup costs. These four states have formed a consortium in rural healthcare simulation called Simulation In Motion (SIM) and are considered the pioneers of mobile simulation with several years of experience providing training to rural healthcare providers.

Mobile healthcare simulation is a fairly new method of reaching out to the community in an effort to standardize and strengthen clinical knowledge and skills. Many hospitals or clinics do not have the capacity to support the necessary service of simulation training, especially those in rural areas or those not affiliated with an academic center. The upper Midwest SIM consortium uses their program to train rural providers on topics like the early recognition of sepsis, emergency deliveries, and more. We hope to develop a proposal and enlist support at UAB for this model.

SUN Simulation User Network
Shelby May, Clinical Simulation Equipment Technician

On March 5th, OIPS Simulation Equipment Technician, Shelby May, attended the Laerdal SUN Workshop at Delta State University in Cleveland, Mississippi. The workshop showcased new simulation technology such as SimMom and Premie Annie simulators, as well as technology that provides learners with real time feedback on CPR compression performance. Mississippi has been fortunate in obtaining a Hearin Foundation Simulation Grant, which supports the development of simulation programs for all of the nursing schools throughout the state.

Tech Update: Omnicell
Amanda Gargus, MSN, RN

On March 14, an Omnicell was delivered to our simulation center. We are very excited about the simulation opportunities that the Omnicell brings with it. The Omnicell will provide learners access to medications during immersive sims - from routine medications to the malignant hyperthermia (MH) kits. Additional opportunities include: testing system processes with the Omnicell that are already in place, stocking and pulling medications, and increasing fidelity of our sim lab by creating a more realistic hospital environment. We are working with Pharmacy informatics as well as HSIS to create a simulation experience that will include use of the Omnicell with our simulated patients in the electronic health record (EHR).

Sim Rooms of Patient Safety Horrors Scavenger
Hunt Winners

Congratulations to our winners of the Sim Rooms of Patient Safety Horrors Scavenger Hunt!

Pictured below (left to right): Kalan Busby, Heather Martinez, Jermaine Dunn
Not pictured: Melanie Dunn

Important Dates for Simulation Community and/or Facilitator Development

April 6, 2018  HPSN Southern Regional Simday
April 24, 2018  SimConnect
April 26, 2018  Sim 2
May 2-4, 2018  SimUAB® Course
May 8, 2018  SimShare
May 10, 2018  ESP Workshop
May 11, 2018  Sim 1
May 12, 2018  MOCA Course
May 14, 2018  Sim 2
May 22, 2018  SimConnect

For Facilitator Development Opportunities, visit https://www.uab.edu/simulation/development-opportunities
Standing (left to right): Charlie Prince (Director of Operations), Andres Viles (Simulation Coordinator Senior), Marjorie Lee White (Director), Amanda Gargus (Clinical Simulation Coordinator), Teldra McCord (Clinical Simulation Equipment Technician), Kelly Markham (Administrative Associate), Erin Blanchard (RN Simulation Educator Senior), Brian Mezzell (Communications Specialist), 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