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Director's Corner

**Marjorie Lee White, MD,
MPPM, MA**

June is a time of endings and beginnings in an Academic Health Center. For OIPS, it also marks the end of the 3rd quarter and a time to take stock and plan for the future. As far as endings & beginnings, some of our partners and simulation friends are moving on as they finish training AND we're gearing up through orientations, simulation-based bootcamps, and CVL trainings to be a part of many new UAB team members' careers. They are bringing our see one, sim some, harm none motto to life.

In fiscal year 2019, starting in October, I'm hoping we are going to find

Physician Assistant Sims

Justin Goebel, MSPAS, PA-C



During the summer, the Physician Assistant (PA) program within the School of Health Professions, partnered with OIPS to hold procedural training experiences in the Jefferson Tower Procedural Skills

partners to tackle two big rocks - team training using TeamSTEPPS® and a unified resuscitation system for UAB. I'll talk about TeamSTEPPS® next month ...so stay tuned. This month I'd like to highlight the American Heart Association's new guidelines for best practices in resuscitation training. Check them out! Poor cardiopulmonary resuscitation is preventable harm. Simulation can and should be part of the solution. If you are interested in partnering, please reach out.

Lab & Volker Hall Simulation Sandbox. A total of 81 PA students utilized state of the art simulation models and ultrasound machines in a very realistic scenario to practice the placement of central lines. This skill is in high demand for PAs in clinical practice. The instructional support from the clinically practiced PA faculty and knowledgeable OIPS staff is paramount in properly training future practitioners.

Fundamental Critical Care Support Sims

Erin Blanchard, MSN, RN, CHSE, CPAN & Jose Humanez, MD

On June 7 and 8, the Department of Anesthesiology and Perioperative Medicine Division of Critical Care and Perioperative Medicine partnered with OIPS to hold Fundamentals of Critical Care Support simulation (FCCS) experiences in the Jefferson Tower Procedural Skills Lab and the Quarterback Tower Simulation Lab. The simulations consisted of registered nurses, nurse practitioners, physician assistants, physicians, and a paramedic, both internal and external to UAB. Participants utilized the procedural skills area and the simulation lab in order to recognize and care for the progressively decompensating patient and increase teamwork and communication skills. Highlights and common themes of the experience included recognition and care of a patient in septic shock, appropriate role clarity and assignments, and speaking up. Thanks to Jim Hunter, MD who assisted in facilitating the session.



Summer Health Professions Education Program

Marquita Hicks, MD



On June 14 and 15, the UAB Summer Health Professions Education Program (SHPEP) collaborated with OIPS to hold a simulation experience at the Volker Hall Sandbox. The simulation consisted of 78 learners with interests in medicine, dentistry, optometry and physician assistant careers. Participants utilized the high-fidelity mannequins to gain exposure to the basics of simulation and learning to work together in an interprofessional environment. Learners participated in simulations to learn how to manage acute anaphylaxis reactions and seizures in a non-healthcare setting.

Following debriefing, the learners were presented with a mini-lecture to highlight the basic science behind the scenario. Highlights and common themes of the experience included the importance of communication and teamwork in healthcare and the value of debriefing.

Thanks to Dr. Chrystal Rutledge and Dr. Carmel McNicholas-Bevensee, who facilitated the sessions, Kelly Dailey, Jarvis Johnson MS4, Justin Bailey MS2, Amanda Gargus, Teldra McCord, Andrew Van, and OIPS who helped set up and provided technical and logistical support throughout.

Emergency Medicine Intern Orientation

John Gullett, MD

On June 26 and 27, the Department of Emergency Medicine partnered with OIPS to hold simulation-based orientation activities for the new Emergency Medicine Interns. The sessions included didactics and hands-on deliberate practice related to ultrasound use, including diagnostics and procedural applications. The interns were then able to apply their ultrasound knowledge by participating in the UAB IJ CVL procedural simulation. This session allows the learner to complete an insertion of an internal jugular central line in the simulated environment with expert coaching and feedback in real time. Thanks to the OIPS staff for supporting this educational offering and to Drs. Thompson, Gibson, Pigott, Peterson, Gullett, and Edwards for sharing their expertise with the on-boarding interns.



Procedural Skills Facilitator Development Course

Lisa Bagby, MSN, RN, CEN, CHSE



On June 15, the Office of Interprofessional Simulation for Innovative Clinical Practice offered the Procedural Skills Facilitator Course for the oncoming Chief Medical Residents (CMR). This training session was geared toward providing the opportunity for them to practice coaching and feedback skills. The CMRs, with guidance and assistance from their faculty, will facilitate central line insertion training for the oncoming medicine interns throughout the academic year. Thank you to Dr. Jason Morris for assistance with facilitating this course and to the CMRs for their time and attention.

Biomedical Engineering Capstone Project

Shelby May

OIPS partnered with the UAB School of Engineering for the Biomedical Engineering (BME) Capstone Senior Design project. The Capstone Senior Design project aims to provide senior engineering students the opportunity to apply the knowledge they gained through their coursework by designing and creating a device that addresses a client's needs. Senior BME students Joseph Sibley, Yiyang Guo, Tianyi Liu, Heath Jackson and Sarah Owens partnered with OIPS to develop a remotely controlled, simulated expanding hematoma to be placed on a manikin. The students went through the entire development process through prototyping, beta testing, developing a marketing strategy and building client relationships. OIPS is thrilled with this partnership and looking forward to using this design in future simulations.



Simulation Research Update

International Nursing Association for Clinical Simulation & Learning Conference, 2018

This June, OIPS was represented at the 2018 INACSL Conference in Toronto, Ontario, Canada by April Belle and Erin Blanchard. The two simulation educators offered a podium presentation on In Situ Simulation for Systems Integration. INACSL Conference objectives included:



- experiencing new innovations in nursing simulation
- exploring future simulation opportunities using evidence-based practice
- determining new directions for simulation and learning
- exploring strategies to integrate technology into practice
- examining the challenges of managing nursing simulation
- identifying creative solutions for enhancing utilization of simulation

INACSL's mission is to advance the science of healthcare simulation through the values of sharing, inspiring, discovering, and transforming.

The podium presentation was well received, with many attendees staying after its conclusion to discuss further logistics and ask for advice regarding specific in situ simulations in their own institutions.

AHRQ Panel

Marjorie Lee White MD, MPPM, MA served as a reviewer on an AHRQ panel in Bethesda, MD in June. She was honored to review presentations from a best-practices in simulation stance.

UAB Quality Enhancement Plan Retreat

Drs. Laurel Hitchcock and Marjorie Lee White both presented simulation-based research findings at the QEP retreat at AIEVA. Dr. Hitchcock highlighted the success of the poverty simulations. Dr. White focused on the development of a tool to provide individual feedback for a member of a healthcare team.

Simulation Community Building

Graduate Medical Education Orientation

On June 20, 2018, OIPS had the opportunity to welcome all of the incoming residents to UAB and introduce them to a hospital culture that values patient care quality and safety. The incoming residents were given an overview of Quality and Patient Safety programs such as Code Sepsis, Infection Prevention strategies and Clinical Simulation. Each resident was introduced to healthcare simulation as part of UAB's culture of safety. They viewed a simulation prebriefing video to introduce them to interprofessional simulation as a technique for training. This video also provided context for performance expectations in various interprofessional simulations. To learn more about in situ simulation please [read on](#):

Saving lives with 3D printing

University of Alabama Huntsville (UAH) Systems Management and Production Center and UAH College of Nursing Technology Research Center featured in Society for Simulation in Healthcare's Simulation Spotlight and on WHNT 19 News. See the full article [here](#).

Congratulations

Congratulations to Jason Morris, M.D., who has been named the inaugural Gustavo R. Heudebert, M.D., MACP, Endowed Faculty Scholar. Read the full story [here](#).

Important Dates for Simulation Community and/or Facilitator Development

July 16, 2018

Difficult Debriefings Workshop

July 17, 2018

SimConnect

August 7, 2018

SimShare

August 9, 2018

ESP Workshop

August 28, 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>



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