

June 2, 2016

Director's Corner

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Sims**

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OIPS Team Member Highlight



Director's Corner

Marjorie Lee White, MD,
MPPM, MA

CHANGE is the word for the month.

Some think change is a four letter
word, I am coming to understand that

Primary Care Mock Exam Room Simulations

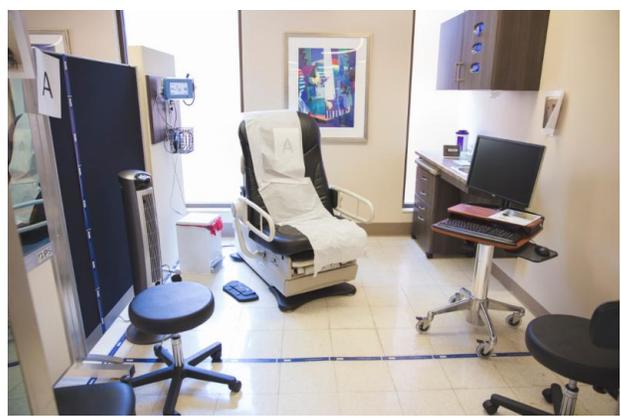
Brian Mezzell, MBA

it is a constant. May has seen the addition of new team members who we are thrilled to have. Andres Viles MSN, RN, CCNS has joined us as a simulation coordinator senior. Andres' experience at UAB is varied and has included stints in the emergency department and the Center for Nursing Excellence. You can read more about him in the staff profile below. Brandon Smith BS, MS has joined us as a clinical simulation specialist. Brandon has a bachelor's and master's in engineering. At OIPS this month, we've said goodbye to several of our team members. Dr. Chad Epps has left UAB to take a leadership position at UT Memphis. See the announcement

here: <http://news.uthsc.edu/chad-epps-md-named-executive-director-new-36-7-million-interprofessional-simulation-patient-safety-center-constructed-uthsc/> Jarrod Young, BS, one of our veteran simulation specialists, will join Dr. Epps in Memphis in June. Jabril Cooper MAEd, RRT has accepted a faculty position as the Faculty Instructor/Lab Coordinator in Cardiopulmonary Sciences at Samford University. Frank "Finn" Perkins, MD is starting his residency in Mississippi. I am grateful to them for their contributions to OIPS. We wish them well.

We have also had lots of change in our programs and our process -- these we hope are all for the better. Please see stories in this newsletter about using simulation for new space planning, deteriorating patients, in situ simulations, facilitator training and more! Please feel free to contact me if you are interested in learning more about simulation.

On May 23 - 26 OIPS held the first mock exam room simulations for the Primary Care group at the Kirklin Clinic. OIPS, The Kirklin Clinic Primary Care group, Performance



Engineering - The Kirklin Clinic, UAB Facilities, UAB Health System Information Systems, as well as industry partners from Midmark and Humanscale organized and set up two mock exam rooms in the space behind Subway, just off the Jefferson Tower 2nd floor concourse. The Primary Care group is in the construction planning stages of their new space in the John Whitaker Building. The mock exam rooms tested the system/stressed the space and aided with the ideal placement of equipment within the exam rooms. The simulated space also allowed for testing of real exam room equipment that is being considered for use in the new John Whitaker Building space.

Eight scheduled sessions were held to simulate a patient visiting the Primary Care provider and included patients from the Patient Family Council, standardized patients, MDs, Nurse Practitioners, RNs, CMAs, and some managers of The Kirklin Clinic groups. Observers attended each of the scheduled sessions to provide feedback about the room setup and interaction between the providers and patients in the room. Careful consideration was also given to the role of technology and computers in the patient/provider interaction. Participants also came to the mockup rooms during two open house sessions to test the two rooms and equipment. Visitors were encouraged to try the different room setups and equipment. After the simulations and open house sessions, participants were asked to fill out an evaluation to generate feedback about preferences for the equipment and placement in the exam room space as well as their overall thoughts about patient/provider/technology interaction.

The mock exam rooms yielded valuable feedback and considerations with over 400 comments given. OIPS would like to thank: The Kirklin Clinic Primary Care group, Performance Engineering - The Kirklin Clinic, UAB School of Health Professions - Healthcare Information Technology, Office of Patient Experience, UAB Facilities, UAB Health System Information Systems, as well as industry partners from Midmark and Humanscale.

Emerging & Crashing Patient Simulations

Kelly Dailey, MSN, RN

The Emergent and Crashing Patient simulation course was designed to improve clinical reasoning and communication skills in an acute clinical setting. Fourth year medical students on their Emergency Medicine Acting Internship and fifth semester nursing students in their leadership and practicum course attend this interprofessional simulation learning experience. Both participants are soon to embark on a career outside of the classroom and simulated clinical



setting and into the actual clinical setting as practicing doctors and nurses. The participants are divided among three rooms housing the advanced scenarios and rotate through each scenario experiencing the life-like acute situations. A debriefing follows each scenario to discuss decisions made and allows for reflective thinking. Thanks to Jerry King, Mike Hyde, Kelley Catron, Rachael Mumbower, Frank Perkins, Marjorie Lee White and Todd Peterson for making this a memorable learning experience.

Anesthesia Resident Simulations Go Interprofessional

Erin Blanchard, MSN, RN, CPAN



Simulations involving anesthesia residents have recently gained more participants. On March 9th, OIPS hosted its first anesthesia resident/Post Anesthesia Care Unit (PACU) nurse simulation session. Three anesthesia residents and three PACU nurses participated to complete multiple simulated PACU scenarios. The learners responded positively to the simulation, with one learner stating that problem solving collectively with nursing and anesthesia

residents was "more realistic" and another remarking that "the interdisciplinary role playing was very helping in learning how to work together." Although this was the first of such simulation pairings, the two learner groups will be coming together again in future simulations. The goal is to not only increase crisis resource management in the learners but also to strengthen the rapport between the two groups.

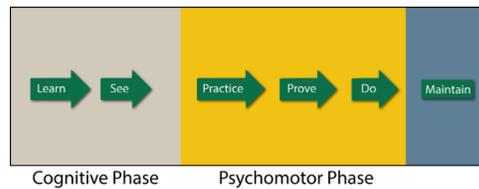
Learn, See, Practice, Prove, Do, Maintain

Marjorie Lee White, MD, MPPM, MA

I am honored to have worked with a group of pediatric simulationists to write the article *Learn, See, Practice, Prove, Do, Maintain: An Evidence-Based Pedagogical Framework for Procedural Skill Training in Medicine*.

Academic Medicine. 2015 Aug;90(8):1025-33. The

article is available [here](#). In this article we outline the evidence for procedural training and propose a framework for handling the cognitive and psychomotor training associated with procedures. This April we learned that it has been the subject of a podcast produced by The Royal College of Physicians and Surgeons of Canada. Key Literature in Medical Education (KeyLIME) is the Royal College's bi-weekly podcast designed to help medical educators stay on-top of key literature in medical education. In each episode, the hosts Drs. Jason R. Frank, Linda Snell & Jonathan Sherbino discuss the key points of a particular article. It's a great summary of the framework that we are trying to put into practice here at UAB. You can listen to the podcast [here](#). If you are interested in learning more about procedural training and would like to partner please email me or Lisa Bagby, RN, MSN.



In Situ Pain Treatment Clinic Simulation

Jamey Hammock, MS3, Scholarly Activity rotation

In situ simulations have been used by the Office of Interprofessional Simulation to improve quality control measures here at UAB. These types of simulations take place in actual hospital settings rather than in the simulation center, and can provide insight to the hospital response system to various stimuli. Recently we have expanded in situ simulations to include the Pain Treatment Clinic at UAB Highlands by partnering with Dr. Clayton Barhorst, a Pain Management fellow who works at the clinic. The simulation incorporated attendings, fellows, nurses, and radiology technicians to create an authentic interprofessional environment. While in situ simulations typically exclusively test the hospital's system, this simulation also included knowledge component objectives for the learners. The general purpose of the simulation was to train learners to recognize and respond to an adverse event in the Pain Clinic operating room in addition to testing the system's response to a crisis. While we have performed many in situ simulations here at UAB, this outpatient Pain Treatment Clinic is the first of its kind. We believe that simulations such as this one will help to improve knowledge, communication, and comfort with crisis resource management. We look forward to expanding our reach with in situ simulations to more outpatient settings here at UAB!

Reflections & Insights from Sim 1

Dawn Taylor Peterson, PhD

OIPS offered Sim 1 for the third time this year on May 10th. The Sim 1 course is designed for all faculty and staff who are interested in using simulation as a teaching tool for improving clinical practice. We wanted to give you a chance to hear from some of the faculty and staff who took the course.



The Sim 1 class was a great introduction to simulation from the perspective of an instructor or facilitator. I appreciated hearing from experts in simulation about giving meaningful feedback, learning the beginning stages of simulation case design, and participating in a simulation to see and experience all the benefits of simulation. I also enjoyed interacting with other educators across the health professions or experiencing how much I can still learn from simulation! The environment created by the OIPS staff allowed for open discussion and gave me tools on debriefing that I will use in simulation, at home, and in the operating room. Truly a great experience!

Britney L. Corey, MD
Fellow, Minimally Invasive GI Surgery

I took the Sim 1 course in May and was impressed with how organized it was. In one 5 hour course we were able to learn the basics of simulation, how adult learning theory is reflected in the process, the components of scenario development, and debriefing. The course was interactive, and the lectures were led by different instructors. With facilitators from other areas, we went through the steps of developing a scenario. We even had a chance to participate as learners in a simulation and debrief afterwards. I learned a lot and enjoyed the course very much. In working with so many people from different backgrounds, I learned that all members of the team have an important role in the delivery of healthcare. Communication between these members is extremely important. I also learned that simulation is a safe environment for learning to occur.

Geri Anne Warman, RN, BSN, CCRN
PNDP Program Coordinator
Medical Emergency Team

The class was excellent! I especially enjoyed learning about the theories supporting learning through simulation and about how to more effectively pre-brief and de-brief with simulation participants. The facilitators used the theories and approaches with us, the learners, which made for a great learning experience and a lot of fun. Working with a variety of individuals from throughout UAB was another great part of the class. I was inspired by how simulation is used to help students and staff learn and grow. I left with several good ideas for how to improve the way I use simulation to teach and work.

Christy Harris Lemak, PhD, FACHE
Professor and Chair, Health Services Administration
School of Health Professions



The first annual Surgery Bootcamp took place May 2-13, hosted by the Department of Surgery and supported by the Office of Interprofessional Simulation (OIPS) team. The 2 week course was designed for 4th year medical students who had matched in general surgery or a surgical sub-specialty and was geared toward helping them become better prepared to be surgical interns. The course included a combination of interactive didactics, procedural training, and

immersive simulations. Participant evaluations were overwhelmingly positive and the Department plans to continue to host this event each year.

A special thanks to all the faculty and residents involved in teaching during the course: Drs. Chen, Corey, Tanner, Cerfolio, McFarland, Broussard, Harney, Shoultz, Megison, Farrington, Davis, Schinnerer, Gunnells, Keith, Papoy, Stafman, Hollis, Baker, Uhlich, Grubb, Witcher, Arnold. Also a special thanks to others outside the Department of Surgery for their teaching: Dr. Gullett (ED), Rhonda Pierce (Dietetics), Michael Denaburg (Pharmacy), Becky Drake and Michael Fox (OR nurse educators), Dr. Brooks (Anatomy Lab), and the entire OIPS staff.

International Pediatric Simulation Symposia & Workshops

Marjorie Lee White, MD, MPPM, MA

A group of faculty and staff from OIPS and the Pediatric Simulation Center at Children's of Alabama were fortunate to attend the 8th International Pediatric Simulation Society Symposium and Workshops in Glasgow, Scotland in May 2016. Attending included Chrystal Rutledge MD, Nancy M. Tofil MD, Lindy Winter MD, Lynn Zinkan RN and myself.



This group presented a combined total of 3 workshops, 1 pre-conference and 9 posters at this international gathering of pediatric simulationists. Highlights included presentations about patient safety and a presentation by Jen Arnold, MD, a neonatologist from Texas Children's about using media to promote simulation. (Jen also stars on TLC's the Little Couple and her production company also attended the meeting!).

Scholarly Activity in Simulation

Jamey Hammock, MS3, Scholarly Activity rotation

Before I started my scholarly activity with the Office of Interprofessional Simulation (OIPS), my perspective of simulation was extremely narrow. I previously thought simulation was solely a resource for pre-clinical medical and nursing students. Since I have started working with OIPS I now realize the true breadth of simulation, and that it is an integral part of nearly all levels of training here at UAB. Before my time with OIPS, I highly underestimated the hard work required to ensure that simulation cases run smoothly and effectively. What may seem like a simple ten-minute simulation scenario is in reality hours of behind the scenes planning and preparation. I have been privileged to work with a staff that is fully devoted to making simulation great at UAB. They have showed me the complexities and time commitment necessary to make each simulation experience valuable for learners. Before my scholarly activity with OIPS I was already aware that simulation was beneficial to learners; however, I am now beginning to realize that it provides ample opportunities for teaching. Simulation offers debriefing sessions after each case in order for instructors to provide feedback, expert opinion, or helpful hints to learners. Working with OIPS has greatly enhanced my interest in teaching, and has motivated me to further develop the skills necessary to be an effective instructor. Choosing to work with OIPS for my scholarly activity has been a wonderful decision, and I am thankful for the opportunity to learn about and contribute to simulation-based education here at UAB.

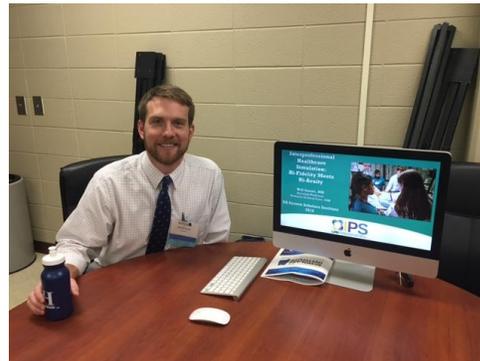
The UA System Scholar Institute - 2016

Will Sasser, MD

Educators from a variety of fields gathered in Huntsville, AL on May 17th and 18th for 2016's UA System Scholar Institute. Keynote speakers included Dr. Stephen Chew, Professor and Chair of Psychology at Samford University and Dr. Luis Perez, an inclusive learning consultant specializing in use of technology to aid learners. Healthcare simulation presentations were in the minority. I had opportunity to present an electronic poster reviewing development, goals, and structure of the OIPS' bi-annual "High Acuity"

interprofessional simulation course. More information can be found at the conference's website:

<http://www.uah.edu/scholarsinstitute>.



OIPS Team Member Highlight - Andres Viles



Andres Viles is a Simulation Coordinator Senior for the Office of Interprofessional Simulation. Andres has been involved with simulation since 2009 but recently joined the OIPS team at the beginning of May. He was born in Cali, Colombia S.A. and later moved to the United States at the age of 3. He graduated from UAB's School of Nursing with his BSN in 1999 and worked in the Emergency Department in the UAB Health System before working as a travel nurse from

2001 until 2007. Andres obtained his Certified Emergency Nurse (CEN) certification and completed the Concept in Advanced Trauma Nursing course while working as a travel nurse. He returned to the UAB Emergency Department in May of 2007 and later completed his Adult Acute Care Clinical Nurse Specialist program at the UAB School of Nursing and his specialty certification as a CCNS in 2012. Andres enjoys spending time with his family. His wife, Shara, is a Nurse Practitioner for the MICU and lung transplant. They have a daughter, Isabell, who just turned 8 and a pit bull rescue dog. Andres likes mountain biking, running, and anything outdoors. His favorite food is pork and his latest read is "The Five Dysfunctions of a Team" by Patrick Lencioni. Andres is a proud veteran of the United States Army and his next vacation will be to visit his mom in South Florida.

Upcoming Events

June 7-10, 2016

[Institute for Medical Simulation at UAB](#)

June 14, 20, 24, 2016

[Procedural Skills Facilitator
Development Course](#)

June 22, 2016

[Sim 1](#)

June 23, 2016

[SimConnect](#)

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



Top Rows (left to right): Marjorie Lee White (Director), Charlie Prince (Program Director II), Brandon Smith (Clinical Simulation Specialist), April Belle (Simulation Coordinator Senior), Brian Mezzell (Program Administrator II), Lisa Bagby (Simulation Coordinator Senior), Brad Bertke (Program Coordinator I), Kelly Markham (Administrative Associate), David Mathews (Clinical Simulation Equipment Technician), Betty Farley (Program Director III)

Seated (left to right): Tyler Burks (Clinical Simulation Specialist), Shilpa Register (Researcher V), Dawn Taylor Peterson (Director, Faculty Development & Training), Erin Blanchard (Simulation Educator Senior), Andres Viles (Simulation Coordinator Senior),

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

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