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Director's Corner

Marjorie Lee White, MD,
MPPM, MA

May was another busy month for the Office. Thanks to all who attended our many events this month. Your enthusiastic presence makes a difference.

I am most excited about the strategic planning effort for which we have engaged Clarus to provide assistance. If you'd like to get involved with setting direction for OIPS, feel free to email mlwhite@uab.edu. Stay tuned for future updates in this column as we are expecting to develop FY16 goals soon!

In addition to our regular offerings which include interprofessional simulations for learners of all ages and stages and facilitator development targeted towards increasing our simulation expertise, our OIPS team presented at the AlaSim conference and the UA Scholar's Institute. Our educators also attended TeamSTEPPS master training. We hope to expand our use of this curriculum in the year to come. See stories below for additional information.

We are continuing to offer high quality simulation facilitator

Care Transitions Simulations

April Belle, RN, ANC/Simulation & Karen Bolling - Walker, MSN, RN

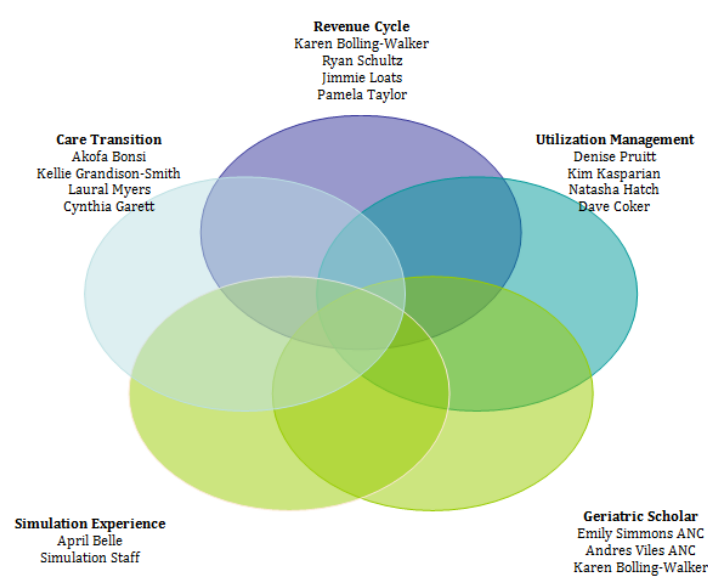
This month, OIPS partnered with the Care Transitions Department to offer interprofessional simulations for nursing care coordinators and social workers. The work done by this department is essential for care planning as well as care transitions. Karen Bolling-Walker, a Quality Improvement Coordinator



of the Revenue Cycle Department and a Geriatric Scholar, was inspired by the Geriatric Scholars program to create a simulation experience for the department of Care Transitions. She worked closely with Emily Simmons and Andres Viles to create scenarios that met the objectives of completing her Geriatric Scholar project and also offered an interprofessional simulation experience for Care Transitions. She successfully used data and information from the quality improvement audit process to develop a learning opportunity utilizing UAB's state-of-the-art simulation lab.

With the support of Akofa Bonsi Wallace, Director of Care Transitions, Denise Pruitt, Director of Utilization Management, and Ryan Schultz, Director of Revenue Cycle, Karen Bolling-Walker and Cynthia Garrett, ANC - Care Transitions, were able to elicit the assistance of Utilization Managers as standardized patients for the simulation scenarios. Each learner participated in a simulation and observed a simulation. This simulation course offered a unique experience for some of our hospital staff. This inaugural simulation lab experience was just the beginning of the use of simulation for the Care Transitions department. The event was made possible with the collaboration of the following departments: Care Transitions, Geriatric Scholars, Revenue Cycle, Simulation Lab, and Utilization Management. Our patients continue to benefit from care delivered by staff using simulation as a way to try to perfect patient care!

training and to support simulation courses whether in the simulation centers we manage at Quarterback Tower or Volker Hall Simulation Sandbox or in situ (on location near you). We want to work with you to change the way we care for patients. Check us out on www.uab.edu/simulation.



Fluid and Electrolyte Simulation in the Interprofessional Renal Module

Eric Judd, MD

Simulated cases of disorders of fluid and electrolytes have been incorporated into the curriculum for first-year medical students at the University of Alabama at Birmingham (UAB) in conjunction with 2nd semester nursing students learning assessment and communication. Small groups composed of 5-6 medical students and 2-4 nursing students practice history taking, physical examination, and clinical management skills in a real-life team environment. After nursing students conducted an initial physical assessment and history, they would report an appropriate hand-off using the SBAR. In the first case, a middle-age woman reports a 3 month history of symptoms of orthostasis. Physical examination shows hyperpigmentation and the laboratory results contain numerous electrolyte disturbances including hyponatremia. The students worked together as a team to determine the appropriate intravenous infusion and repeat laboratory tests (e.g., urine sodium and urine osmolality) that hint toward the diagnosis of primary adrenal insufficiency. The case is discussed in a post-simulation debriefing where students undergo a guided discussion of the simulated experience and learn about the pathophysiology of adrenal insufficiency. In the second case, a young woman is brought to the emergency department by her roommate after a seizure. The history must be obtained from the roommate, who is reluctant to mention the use of Ecstasy. After the students receive the laboratory results, which include hyponatremia, the patient seizes. While the medical students worked towards diagnosis and treatment, the nursing students provided safety to the patient using seizure precautions. The simulation ends once hypertonic saline is administered. Again, the case and the simulated experience are discussed immediately afterward. Student responses have been positive, "Love these! More if possible...Love it, beats the h... out of old fashion studying. Nice to work with other healthcare team members as in the real world." In addition to support from the Office of Interprofessional Simulation faculty and staff (OIPS), these simulations would not have been possible without faculty from the School of Medicine and School of Nursing. SOM faculty included Eric Judd, MD, Todd Peterson MD, Vineeta Kumar MD, Ashita Tolwani MD, Mark Bevensee PhD, and Bhupesh Panwar MD. School of Nursing faculty included Penni Watts RN, PhD, Summer Langston DNP, CRNP, ACNP-BC, AACC, Kelly Dailey MSN, RN, Melanie Hallman, DNP, FNP, MSN, RN, Tedra Smith DNP, CRNP, CPNP-PC, Billy Smith, MSN, CRNP, NP-C, Connie Hogewood MSN, RN, Nanci Swan MSN, RN, Vanessa Gaiosio PhD, RN, Bonnie Bibb, RN, and Lisa Pair, RN. Also assisting in the teaching were Simulation Teaching Associates Finn Perkins, Guy Handley, Ayesha Jaleel, Jeff Harper and Linnea Pepper.



OIPS Team Member Highlight - Brian Mezzell



Brian Mezzell is a Program Administrator for the Office of Interprofessional Simulation (OIPS) and handles much of the office's communications, scheduling and data tracking. He has been with OIPS since December 2014. Brian is a native of Homewood, Alabama and attended Berry College in Rome, Georgia where he received his degree in Business Management. He attended UAB's Collat School of Business and completed his Master of Business Administration degree. Brian enjoys spending time with his wife, Amy, and two children; Cora (3) and Otis (8 months). He loves photography and spending time outdoors. He also enjoys music, drumming, and running with the family dog (Choxie). The last book he read was "Photoshop Down & Dirty Tricks for

Designers" by Corey Barker. His next vacation will likely be to the lake.

UAB Interventional Radiology Symposium

Wayne Skipper, Clinical Simulation Specialist

UAB held its first annual Interventional Radiology Symposium on Saturday May 16, 2015. The UAB Section of Interventional Radiology facilitated this free symposium to provide outreach to residents and medical students interested in a career in IR by shining a light on recent advancements in IR practice as well as focusing on IR fundamentals. After the morning presentations, the Office of Interprofessional Simulation provided support for the hands-on portion of the symposium that took place by demonstrating central venous access procedures on our lifelike ultrasound cable models. Upwards of 25 medical students were shown the process of placing central venous lines by IR faculty members and then allowed to practice the needle stick and line insertion portion of the process themselves. If you would like to learn more about the Section of Interventional Radiology at UAB, contact Dr. Joe Eason at jeason@uabmc.edu and to find out more about central venous access training email simulation@uab.edu.



OIPS Participates in the AlaSim International Conference and Exposition

Jabril Cooper, Clinical Simulation Specialist



The 2015 AlaSim International Conference and Exposition was held on May 6-7, 2015 in Huntsville Alabama. The annual conference is organized by the Alabama Modeling and Simulation Council. AlaSim was designed to allow participants to share and learn about how simulation is being used across multiple disciplines. There were presentations about how simulation was being used by the military, medicine, space engineering and many others. Many states and countries were represented at the conference.

Jabril Cooper and Jarrod Young were the Office of Interprofessional Simulation representatives at the conference. They made an oral presentation and showcased how simulation was used to train UAB's Ebola Care Team. OIPS has used simulation to develop, evaluate, and modify the processes related to caring for an Ebola patient. Attendees were very engaged during the presentation, and they provided Jabril and Jarrod with positive feedback.

OIPS Team Attends TeamSTEPPS Master Training Course

Lisa Bagby, MSN, RN, ANC



Research has shown that communication breakdown is a root cause of many patient safety issues. Patient safety experts agree that communication and teamwork skills are essential for the provision of quality healthcare and for the prevention of patient injury and harm. The Agency for Healthcare Research and Quality (AHRQ) and the Department of Defense (DoD) developed TeamSTEPPS as a teamwork system that offers a solution to improving communication and collaboration. In May, a team from The Office of Interprofessional Simulation traveled to Tulane University to participate in a TeamSTEPPS 2.0 Master Training Course. April Belle, Jabril Cooper and Lisa Bagby attended the two day training, offered at no cost through federal funding. Tools for improving

interprofessional communication and teamwork were discussed and demonstrated through a series of lectures, interactive discussion and simulation activities. OIPS has started to implement TeamSTEPPS tools within our own interprofessional office. We have started to integrate TeamSTEPPS tools into interprofessional simulation activities, and a TeamSTEPPS training course is in development for future offering at UAB. We believe TeamSTEPPS is a valuable resource for the delivery of safe care to our patients and for the continued building of the culture of safety here at UAB. To learn more about TeamSTEPPS please visit www.ahrq.gov.

Interprofessional Education & the World Congress for Physical Therapy in Singapore

Diane Clark, PT, DScPT, MBA

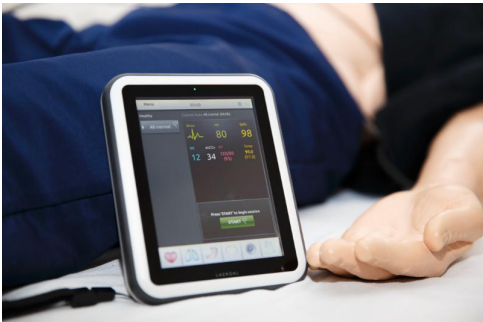
Diane Clark, PT, DScPT, MBA attended the World Congress for Physical Therapy in Singapore on May 1-4, 2015. At the Congress, Dr. Clark presented a poster entitled "Building Opportunities for Interprofessional Education: Activities for Physical Therapy Students at a University Medical Campus." Co-authors included Penni Watts, Chad Epps and Marjorie Lee White from the Office

of Interprofessional Simulation, John Lowman, David Morris and Tara Pearce from the Department of Physical Therapy, and Christopher Eidson and Valley McCurry from the Department of Occupational Therapy. Photographs were courtesy of Charlie Prince. The topic of simulation is a timely one in the profession of physical therapy education, and the poster generated much discussion.



Laerdal Medical's SimPad Training

Wayne Skipper, Clinical Simulation Specialist



Laerdal Medical's southeastern territory manager Paul Thompson hosted a series of training events across the state of Alabama focusing on the company's popular SimPad control platform. Throughout the week of May 4, 2015 three training sessions were held in Montgomery, Birmingham, and Tanner, Alabama. Led by trained Laerdal educators, these sessions focused on basic operations and functionality of the SimPad during a simulation, as well as ways to standardize simulation events by purchasing themes from the Laerdal online store or programming them yourself. The informal, open-ended sessions allowed for participants to ask questions specific to their needs and usage of the platform and get direct answers from the educator as well as other attendees. If you would like to learn how easy facilitating assessments, ACLS education, or any other simulation training can be using the SimPad platform, please contact the Office of Interprofessional Simulation at simulation@uab.edu.

Upcoming Events

June 4, 2015	SimConnect
June 18, 2015	Sim 1
June 25, 2015	Advanced Teamwork & Communication Interprofessional Simulations
June 26, 2015	ESP Workshop
July 6, 7 & 9, 2015	Shock Week

View the Latest Simulation Journal Articles

compiled by Kristopher Maday, MS, PAC, CNSC | Assistant Professor, Academic Coordinator

These summaries are available at www.uab.edu/simulation/resources under the "Simulation Articles" tab.

[See our new video "OIPS: Simulation at UAB"](#)

Top Row (left to right): Jarrod Young (Clinical Simulation Specialist), Kelly Markham (Administrative Associate), Betty Farley (Program Director III), Lisa Bagby (Advanced Nursing Coordinator), Brian Mezzell (Program Administrator II), April Belle



(Advanced Nursing Coordinator), Marjorie Lee White (Director), Wayne Skipper (Clinical Simulation Specialist)

Seated (left to right): Charlie Prince (Program Director II), Dawn Taylor Peterson (Director, Faculty Development & Training), Penni Watts (Faculty), Jabril Cooper (Clinical Simulation Specialist), Chad Epps (Associate Director)

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

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