

*June 1, 2017*

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## Director's Corner

Marjorie Lee White, MD, MPPM, MA

May was a month of teams in the simulation world. We started the month welcoming three medical students doing their scholarly activity with our team and a new full-time team member (see story below). We ended the month with a visit from a world-renowned teamwork expert. Our team was honored to host Dr. Eduardo Salas for our SimConnect reception and to have him comment on our program. He highlighted the enthusiasm and potential we have at UAB to continue to improve. Team training must be a part of that - and the Office of Interprofessional Simulation for

## CIPES Leadership Forum

Marjorie Lee White, MD, MPPM, MA



On the morning of May 25, over 60 leaders from UAB Medicine and across the UAB campus participated in

Innovative Clinical Practice is ready to partner to help. What do you think we should do for teams at UAB? Let's talk!



the first Center for Interprofessional Education and Simulation (CIPES) Leadership Forum. This event, based on the format of the Association of American Medical Colleges (AAMC), provided an opportunity to focus on teamwork in training and practice at UAB. A keynote speech and closing remarks from Dr. Eduardo Salas were highlights. The faculty and staff from CIPES are appreciative of the volunteer facilitators and scribes who assisted with the process and to those who participated with such enthusiasm and expertise in the group sessions.

## 1st Annual SimConnect Reception

Shilpa Register, OD, MS, PhD

This month, we had the opportunity to host a new event - the OIPS SimConnect Reception. At the reception, friends and family of sim had the opportunity to interact with Dr. Eduardo Salas and colleagues interested or engaged in sim. We also highlighted a sampling of current research posters presented by researchers from the UAB Office of Interprofessional Simulation for Innovative Clinical Practice and Children's of Alabama Pediatric Simulation Center. Dr. Eduardo Salas, Professor & Endowed Chair and Allyn R. & Gladys M. Cline Chair in Psychology at Rice University, visited the UAB School of Medicine's Department of Medicine and the UAB



Center for Interprofessional Education and Simulation (CIPES) as our guest on May 24-25. Dr. Salas' research focuses on teamwork and team effectiveness in organizations, optimizing environments for learning and development, and performing simulation-based training. Recently, he has been involved in numerous research projects with NASA and the US Army that investigated evidence-based metrics for measuring safety and efficiency along with dynamic team role allocation.

## UAB MOCA Simulation Course Entering Second Year and Going Strong

Erin Blanchard, MSN, RN, CPAN & Tekuila Carter, MD

The UAB Department of Anesthesiology and Perioperative Medicine Simulation Program and the Office of Interprofessional Simulation have partnered together for over a year to offer a Maintenance of Certification in Anesthesiology (MOCA) high fidelity simulation Course to anesthesiologists. The UAB MOCA Simulation Course is endorsed by the American Society of Anesthesiologists to satisfy part IV of the re-certification process for eligible anesthesiologists and is the only such course in Alabama, Georgia, Mississippi, Arkansas, or Louisiana.



The MOCA Simulation Course features 9 high fidelity simulations where each participant gets to be the primary physician in a scenario and the backup in at least one other scenario. Scenarios take place in the operating room and perioperative areas and are each immediately followed by a group debriefing. Participants noted on evaluations that they liked "the variety of cases" and that scenarios

were "very realistic."

Over the last year, the MOCA Simulation Course has been offered 6 times, with an additional 3 courses scheduled in 2017 and plans for 6 courses in 2018. A total of 46 anesthesiologists have participated in the course, traveling from Georgia, Florida, Mississippi, Louisiana, Tennessee, and various parts of Alabama to attend. Participants noted on their evaluations that they enjoyed the "low stress environment" and the "atmosphere of learning created," noting "my time here was well-spent" and "I'll definitely return."

The next UAB MOCA Simulation Course is July 15, 2017. Information on the course, including course dates, sample agenda, contact information, and online registration, can be found here <http://www.uab.edu/simulation/moca>.

## Surgical Boot Camp Simulations

Richard Stahl, MD



The second annual Surgery Bootcamp took place May 1-12, hosted by Drs. Hendershot, Corey, Stahl, and the Department of Surgery, and supported by the Office of Interprofessional Simulation (OIPS) team. Fifteen 4th year medical students who matched in general surgery, orthopedic surgery, and urology, participated in the 2-week course intended to help them be better prepared for surgical internship. The course included a combination of

interactive didactics, procedural training, mock pages, and immersive simulations. Participant evaluations were again overwhelmingly positive for this now annual event. A special thanks to all the faculty and residents involved in teaching during the course including, but not limited to: Drs. Herb Chen, Lauren Tanner, Woody Farrington, Ashley Davis, Eric Schinnerer, Drew Gunnells, Charles Keith, Colin Martin, John Porterfield, Carla Holcomb, Samantha Baker, Andrew Papoy, Bob Hollis, Duraid Younan, Patrick Yu, Ginny Strickland, Margaux Mustian, Jared White, Stephen Gray, Adham Saad, Rindi Uhlich, Meggie Romine, Adam Witcher, Allison Brown, Micah Pherson. Also a special thanks to others outside the Department of Surgery for their teaching: Dr. Gullett and Pigott (ED), Michael Denaburg (Pharmacy), Becky Drake, Ashley Glass, and Michael Fox (OR nurse educators), Dr. Brooks (Anatomy Lab), Janeen Mays, Minesh Patel, and Joey Vining (OR and NPs), Chad Morgan (Intuit Surgical), and the entire OIPS staff.

## Radiology Simulations

Beth Winningham, BSRT, MBA, LSSGB

The addition of a designated content expert from the Department of Radiology to the existing radiology simulation curriculum, further emphasizes the benefit of the partnership with OIPS. This staff member received training from OIPS in building, running and debriefing simulations and will actively assist with radiology simulations. The content expert further serves as a liaison between the Radiology Department and OIPS.

Simulation is a valuable educational technique in the healthcare field. It provides opportunities for learning in a safe environment that will contribute to stronger teams in the patient care setting. It emphasizes not only the technical aspects of a procedure or situation but also the importance of communication and teamwork. Our patients and staff will greatly benefit from the partnership between the Department of Radiology and OIPS.

## Physician Assistant Procedural Training

John Hurt, PA



As physician assistants, it is imperative that we are well-versed in performing clinical skills and techniques. After many discussions, the University of Alabama Birmingham physician assistant program determined that a procedural simulation course would be an essential experience for our students. By providing this realistic opportunity utilizing procedural simulation, the students would be better prepared for the clinical year, as well as their future careers and ultimately improve overall patient care.

Through partnership with OIPS, an advanced practice techniques course was developed to address these desired skills including ultrasound use, ultrasound-guided central venous lines, lumbar punctures, arterial lines, intravenous lines among others. Future plans include adding classes in thoracentesis, chest tube placement, as well as casting and splinting. So far this course has been an overwhelming success. Our students seem to be well prepared and much more confident in these particular clinical skills sets.

## Ebola Tabletop Simulation

Julie Cobb, Jefferson County Department of Health

On May 19, the Alabama Department of Public Health and Jefferson County Health Department partnered with OIPS to hold a tabletop exercise at the Women's and Infant Center. The exercise consisted of 38 participants from the following UAB Departments: EVS, Facilities and Emergency Management, Infection Control, Lab, UAB Police, Public Relations and the RIOT Team. Outside partners included the Jefferson County EMA, Life Guard Ambulance and the Birmingham Airport Authority.

Participants were presented with three modules extending over a 14 hour time frame in order to test UAB's capability to initially care for a potential Ebola patient. The scenario concluded with transfer of the patient to an Ebola treatment facility. Core Capabilities tested included Operational Communications, Environmental Response and Worker Health and Safety.

## OIPS Professional Development: Mini-Quality Academy

Betty Farley, MSM

The School of Health Professions' Department of Health Services Administration presents a Mini-Quality Academy session each month for those interested in increasing their knowledge of the very important and relevant topic of healthcare quality and patient safety. Two members of the OIPS team attended recent sessions. Kelly Markham attended the April 7 session, and Betty Farley attended the May 5 session. These sessions are four hours each and incorporate a broad overview of the topics that are covered more in depth in the Graduate Certificate for Healthcare Quality and Safety (Quality Academy). The session began with Dr. Scott Buchalter "Making the Case for Quality Improvement." The information included the challenges faced by variation in medicine as well as the implication for

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cost and quality. He then presented quality improvement (QI) basics with information on managing clinical processes and QI methods. Dr. Leslie Hayes took the group one step further by giving an overview of gathering and analyzing data and the importance of process mapping in the QI process. Some pertinent examples were presented with various types of charts for presenting the data. There was a small group activity which was important in developing a comfort level with the information being presented. The session closed with Dr. Buchalter on the topic of patient safety including human factors and systems approaches. After a discussion of root cause analysis and corrective actions, he and Dr. Hayes facilitated another small group activity to drive home the lessons learned. This is an engaging four hours with timely and relevant information regarding the necessity of quality improvement in all healthcare settings. The message conveyed loud and clear is the critical need for a reduction in the cost of providing healthcare services combined with a systematic approach to improving patient quality, outcomes, and experiences. Thanks to Dr. Buchalter, Dr. Hayes and Amy Stanfield for a "quality" experience!

## Obesity Trainer Suit

Tyler Burks, Manager - Clinical Simulation Operations



In an effort to help our learners buy into simulation scenarios, we sometimes need to enhance our manikins. We recently introduced a scenario that has a specific need for an obese patient. It was time to break out the sewing machine. A few extra hours of homework and we were able to increase our manikin's visible profile considerably. We did one pilot and then straight into our intense day of MOCA it went. The case has proven challenging and worth the extra time and effort it takes to increase the fidelity of the simulation in order to pull it off.

## OIPS Team Member Highlight - Joe Castongia

Joe Castongia is a Clinical Simulation Equipment Technician with the Office of Interprofessional Simulation. He was born in Bourbonnais, Illinois but calls Americus, Georgia his hometown. Joe attended LaGrange College in Georgia where he earned a Bachelor of Arts in Organizational Leadership. He also has an Associate of Applied Science degree in Technology from Georgia Southwestern State University, a Technical Certificate from South Georgia Technical College, a Lean Six Sigma Certification from Villanova University, and a Nuclear Instructor Certification from the Institute of Nuclear Power (INPO). Joe's family consists of his wife, Delphine, and their four children: Emily Castongia Speir, Anne-Marie Castongia, Tristan Martin, Fantine Martin. He also has one grandson, Marshall Grant Speir.



Joe's interests include: leadership, training, French and Spanish languages, and history. His hobbies include: sailing, hunting, fishing, SCUBA diving, and gardening. Joe's favorite foods are pho, shawarma, dolmathakia, and carnitas. The last book he read was "Angels and Demons" by Dan Brown. His next vacation will be to Europe (France and Italy). Joe can be found on LinkedIn and Facebook.

**Important Dates for Simulation Community and/or Facilitator Development**

**June 6, 2017**

**Sim 2**

June 9, 2017

[Procedural Skills Facilitator Course](#)

June 13 - 16, 2017

[IMS @ UAB](#)

June 26, 2017

[SimShare](#)

June 26, 2017

[Procedural Skills Facilitator Course](#)

June 28, 2017

[SimConnect](#)

June 29, 2017

[Advanced Debriefing](#)

July 12, 2017

[SimConnect](#)

July 15, 2017

[MOCA Course](#)

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



Top Rows (left to right): Andres Viles (Simulation Coordinator Senior), Brandon Smith (Clinical Simulation Specialist), Lisa Bagby (Director of Procedural Simulations), Ben Whitaker (Clinical Simulation Specialist), April Belle (Director of In Situ Simulations), Kelly Markham (Administrative Associate), Betty Farley (Program Director III), Brian Mezzell (Program Administrator II), Brad Bertke (Program Coordinator I), David Mathews (Clinical Simulation Equipment Technician), Erin Blanchard (Simulation Educator Senior), Marjorie Lee White (Director)

Seated (left to right): Tyler Burks (Manager - Clinical Simulation Operations - Audio Visual), Amanda Gargus (Clinical Simulation Specialist), Shilpa Register (Director of Research), Dawn Taylor Peterson (Director, Faculty Development & Training), Charlie Prince (Director of Operations)

For more information, please visit us on the web



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