

# The Medical Record

## Simulation Education for Improved Professional Practice

A Newsletter of the Richard A. Henson Medical Simulation Center • Salisbury University

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## Welcome!

Thank you for your interest in Salisbury University's Richard A. Henson Medical Simulation Center. We are located just south of main campus on Pine Bluff Road. This newsletter is designed to keep faculty and friends abreast of the happenings at the Sim Center. If you are interested in using the facilities for any of your educational needs, or have any questions, comments or concerns, please feel free to contact us at the directory information listed to the right.

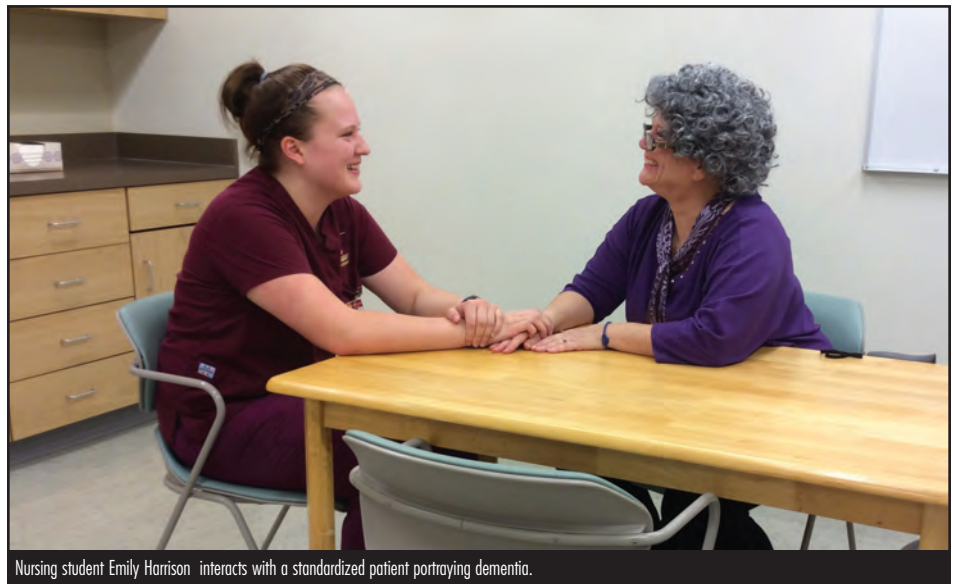


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## Spotlight: Standardized Patients

Standardized patients (SPs) are campus and community members who undergo specialized training to portray behaviors of people with various health issues. The Standardized Patient Program at Salisbury University began in 2009 with funding from the Maryland Hospital Association (MHA), through a \$935,000 grant written by Dr. Lisa Seldomridge that also provided support for construction of the Richard A. Henson Medical Simulation Center (Sim Center). The overall goal of this grant was to provide alternative clinical experiences to support expanding enrollments in the accelerated second degree B.S. in nursing program. The alternative clinical experiences included development and implementation of a standardized patient program for behavioral health education and creation of learning opportunities in maternal/newborn health simulations using high fidelity manikins in combination with standardized patients.

In their exposure to care of patients with behavioral health problems, SU nursing students have scheduled "appointments" with their SPs at the Sim Center for a simulated therapeutic interaction. These encounters are video recorded for



Nursing student Emily Harrison interacts with a standardized patient portraying dementia.

review and critique by the student with analysis by their faculty member. SPs also provide constructive feedback to their student nurses.

Led by Dr. Debra Webster, associate chair of the SU Nursing Department, scripts representing paranoid schizophrenia, depression with suicidal ideation, obsessive-compulsive disorder, dementia, bipolar mania and post-traumatic stress disorder were created. The team of Drs. Webster, Judy Jarosinski and Laurie Rockelli authored scripts, recruited SPs and prepared them for their acting roles.

After four successful years refining scripts, prepping new SPs and expanding student experiences from one to three per semester, the program was ready for expansion. In 2014, Webster and Seldomridge were funded by the Maryland Higher Education Commission-Nurse Support II (\$299,983) to develop "Faculty Toolkits for Teaching Psychiatric Mental Health Nursing Skills: Using Standardized Patients to

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Prepare New Nurses.” The aim of this project was to create a series of toolkits that would be available for use by faculty in all Maryland nursing programs, thus providing an opportunity to share resources, maximize faculty time, use common learning activities across programs, and prepare future nurses with essential skills to provide safe and quality care for individuals with behavioral health issues. Each toolkit includes learning objectives, pre-assignment activities, video vignettes with student assignments, feedback rubrics and suggested post-clinical activities. The toolkits can be used to prepare students for “live” clinical experiences, to substitute for “live” clinical experiences in times of low census or lack of placements, to augment instruction for students who need additional experience to meet clinical objectives and to assure that all students have exposure to caring for those with specific mental health issues. Topics include therapeutic

relationship and professional boundaries, management of hallucinations, delusions, dementia, assessment of suicidal ideation and crisis management. Other consultants on this project are Drs. Mary DiBartolo and Jarosinski, and Lorraine Henry.

In addition to the educational opportunities in behavioral health, nursing faculty utilizing the unique resources available at the simulation center are expanding nursing student experiences in maternal health and newborn care. In spring 2012, Drs. Rita Nutt and Michele Bracken developed SP enacted clinical encounters for nursing students that focus on assessment, communication, prioritizing care and delegation through “labor and delivery.” Employing an “empathy belly” (a weighted, contoured abdomen to simulate pregnancy and standardized patients), an SP portraying the expectant mother and another SP acting as supportive partner or anxious grandparent-to-

be, nursing students working in small groups participated in simulated immediate care to a sophisticated high fidelity manikin while also managing the needs of the mother and other family members. With the manikin’s vital functions controlled from a remote location, students practice and refine clinical decision-making as the baby’s condition changes. With the 2014 acquisition of Lucina®, our high-fidelity birthing simulator, Bracken and Nutt have developed even more complicated scenarios using SPs, as described above, and a high fidelity newborn manikin.

The Standardized Patient Program provides students with a realistic but simulated experience without the risk of danger to the patient or themselves. The inclusion of high-fidelity manikins in the Standardized Patient program adds complexity to scenarios-leading to better critical thinking skills and ultimately a highly capable and sought after graduate of the Salisbury University nursing program.

## Special Events



Upward Bound students from DTCC visit SU

### UPWARD BOUND

July 2015

Highly motivated high school students attending Delaware Technical Community College’s Upward Bound Program visited the Simulation Center for an interactive tour of our facilities and a discussion about the STEM majors offered at Salisbury University. Students learned about the importance of simulation to educate healthcare providers and had the opportunity to interact with one of our infant manikins.



DART Students, Sim Center staff, and Wicomico County Health Department staff film an anti-drug PSA

### ANTI-DRUG PUBLIC SERVICE ANNOUNCEMENT-WICOMICO COUNTY HEALTH DEPARTMENT

September 2015

A group of enthusiastic Wicomico County high school students working in a summer program sponsored by the Wicomico County Health Department utilized the Simulation Center to film an anti-drug public service announcement. The adult care simulation suite was used as a hospital setting for the actors in the film. It is planned to air the message on local television stations.

### PEDIATRIC ADVANCED LIFE SUPPORT RECERTIFICATION FOR PRMC PEDIATRIC HOSPITALISTS

September 2015

The Richard A. Henson Medical Simulation Center welcomed Peninsula Regional Medical Center (PRMC)’s Pediatric Hospitalists in September to participate in a recertification course for Pediatric Advanced Life Support (PALS). Through the American Heart Association, a PALS course prepares healthcare professionals with the knowledge and training to systematically care for seriously ill or injured children. Using our pediatric high-fidelity manikin, participants worked together to complete a pediatric assessment, perform a physical examination and provide effective treatment, as suggested by the PALS algorithms. Dr. Katherine Layton, chief of pediatrics and assistant medical director of pediatric hospitalists at PRMC, graciously thanked the Simulation

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Women's Circle members Michele Garigliano and Terri Kleger socialize with nursing students Josee Ritter and Megan Murray before the event begins.

Center staff for this incredible experience. She stated, "As a pediatric physician group, we found the Simulation Center an excellent place to discuss the newest practices in the acute care of the pediatric patient. We were able to review the newest nationally accepted guidelines and complete the American Heart Association's course in Pediatric Advanced Life Support. We found our experience at the Simulation Center very valuable and look forward to our next experience in the near future."

**WOMEN'S CIRCLE EVENT**

October 2015

Due to popular demand, we had our second visit from the Women's Circle in October. During this event, female leaders from the surrounding community gathered to network and tour our facility. Students from SU nursing and respiratory therapy programs were featured along with our manikins and standardized patients. Guests of the event interacted with the students, and standardized patients to discover the many diverse opportunities for learning that are offered at the Richard A. Henson Medical Simulation Center. We even had a surprise visit from State Senator Jim Mathias. All who attended the event were impressed and intrigued.



Women's Circle members Colleen LeKites and Kara Press and Josee Ritter, nursing student, interact with Lucina, a high-fidelity birthing simulator.



Senator Jim Mathias, Dr. Bob Joyner and respiratory therapy students Kim Johnson and Holly Mahr pose with a high-fidelity newborn.



## EASTERN SHORE LEGISLATIVE CONTINGENT

December 2015

Dr. Janet Dudley-Eshbach, the president of Salisbury University, held her second annual meeting with the Eastern Shore Legislative Contingent at the Richard A. Henson Medical Simulation Center. After her presentation, the Maryland legislators, including Senator Jim Mathias, Delegate Carl

Anderton, Delegate Mary Beth Carozza, Delegate Sheree Sample-Hughes and Delegate John Mautz, were invited to tour the Simulation Center and interact with the manikins. Many representatives took a special interest in the facility and the opportunities that we provide to students and the surrounding community. It was a pleasure to have this meeting at our center this year.



Dr. Janet Dudley-Eshbach speaks with Delegates Carl Anderton and John Mautz.



Delegates Mary Beth Carozza and Sheree Sample-Hughes speak with respiratory therapy student Alex Arias, Sim Center staff and Dr. Lisa Seldomridge about "Molly," a high-fidelity pediatric simulator.

## Education Corner: Moulage

**M**edical moulage is the art of creating and applying lifelike mock injuries to enhance the realism of simulated healthcare scenarios. Realistic moulage produces a clinical environment that closely resembles that of real life and allows our students and practicing healthcare professionals to fully immerse themselves in the experience. We believe this improves the learning experience that can translate to better performance in the clinical setting. Moulage can be as simple as applying water droplets to demonstrate sweating due to fever or as complex as advanced theatre make-up to simulate wounds and serious injuries on a trauma patient.



Simulations, typically, include the use of high-fidelity manikins to portray physiological changes consistent with the "patient's" diagnosis. Moulage provides the remaining clues and enables facilitators to bridge the gap between a clinical case and a simulation. When used correctly, moulage enhances the participant's assessment of the patient, facilitates the use of all senses and desensitizes the caregiver's shock that is frequently associated with care for a seriously ill patient.

Examples of medical moulage include the creation of skin rashes and discoloration (eczema, cyanosis and necrosis), body fluids (blood, urine and vomit) and odors (smoke, alcohol and fruity smelling breath). This year we even applied "aging" makeup to several of our standardized patients for a more realistic portrayal of dementia in an older adult. The simulation specialists of the Richard A. Henson Medical Simulation Center encourage you to incorporate moulage in to your scenarios. Please contact the simulation specialists with any questions, concerns and/or ideas that you may have. They're enthusiastic about discussing ideas with you and will gladly demonstrate their moulage skills for you.