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WISER

Simulation Improving Healthcare

Volume 2, Issue 2
January 2012

WISER Presents at the Annual I/ITSEC Conference

WISER Director of Operations Tom Dongilli and fellow presenters Dr. Michael DeVita and Sandra J. Feaster, RN, MS, MBA Assistant Dean, Immersive and Simulation Based Learning, Stanford University School of Medicine presented at the annual Interservice/Industry Training, Simulation and Education (I/ITSEC) conference on December 2, 2011.

The audience consisted of physicians, engineers, educators, and military personnel. The presenters shared their approaches to the development of simulation-based training and education as it relates to the needs of the healthcare community. Participants engaged in interactive presentations and participated in simulation-based scenarios pertaining to patient crisis. The First 5 Minutes® course was the basis of the scenario sessions. Participants were assigned roles and were able to conduct the sessions as participants, instructors, data collectors, and debriefers. The session was well received by all attendees.

The I/ITSEC promotes cooperation among the Armed Services, industry, academia, and various government agencies in pursuit of improved training and education programs, identification of common training issues, and development of multiservice programs.



Emergency Medicine Doctors from Malaysia Complete One Month Preceptor Program



Drs. Ismail Mohd Saiboon and Mohd Johar Jaafar from the University Kebangsaan Malaysia Medical Center completed a one month WISER Preceptor Program in October. During their preceptorship, Drs. Saiboon and Jaafar met with WISER staff to create an agenda that maximized their learning goals and objectives while at WISER. Drs. Saiboon and Jaafar met with key senior WISER staff members to learn the ins and outs of running a successful and busy simulation center. The doctors also met with several core WISER instructors and observed their teaching techniques in training students from a variety of backgrounds and expertise. Drs. Saiboon and Jaafar also discussed future research projects within the simulation world and how curriculum development and teaching methodologies help students reach a knowledgeable outcome in the simulation environment.

The WISER team wishes our friends, Dr. Saiboon and Dr. Jaafar, much success in all of their future simulation endeavors.

ASK OPS

What preventative maintenance tasks does the WISER staff recommend performing on SimMan 3G?

There are both weekly and daily preventative measures that should be performed, based on the usage of your simulator.

If you are consistently conducting scenarios with your simulator 5 days a week, we recommend draining the compressor contained within the leg daily. Draining the compressor will reduce the amount of condensation that could possibly be building up. If your 3G is instead connected to a Laerdal air regulator utilizing an outside compressed air source, disconnect this compressor.

At the end of the week or when you feel that SimMan 3G's secretions will no longer be needed, drain and flush the fluids to ensure that the fluid tubing will not develop residue from the distilled water.

First, we recommend relieving the pressure from your fluid fill container by slightly twisting open the lid.

Next, connect the container to 3G's fluid port and squeeze the trigger on the handle.

Helping Minority Students Get Foot in Door To to Medical School

By Tory N. Parrish, PITTSBURGH TRIBUNE-REVIEW

Thursday, December 8, 2011

Dressed in black medical scrubs, purple latex gloves and blue disposable caps, a team rushed to respond to signs of trauma: labored breathing, an elevated heart rate and high blood pressure.

A dozen team members worked together and swiftly to stabilize a shirtless figure on an operating table.



Odell Minniefield inserted a needle in the right side of the chest to let air escape, while a heart monitor beeped quickly. DeVaughn McNary squeezed a bag-valve mask over the mouth of the lifeless figure, providing air.

"You guys just saved this poor guy's life," said Kevin Miracle, a simulation services manager at the Peter M. Winter Institute for Simulation Education & Research at the University of Pittsburgh in Oakland.

The adult "victim" of a car accident on Nov. 30 was really an interactive mannequin, and the response team consisted of eighth-grade boys: DeVaughn, 14, of Esplen, and Hazelwood resident Odell, 14, who attend Stevens K-8 School in Elliott and Sterrett 6-8 School in Point Breeze, respectively.

The boys participate in Journey to Medicine, a medical mentorship and sponsorship program founded two years ago to increase the number of black males in medicine.

There are 27 seventh- and eighth-grade boys, mostly from Pittsburgh Public Schools, in Journey to Medicine. In January, 15 sixth-grade boys will be added.

The Gateway Medical Society, which consists of black doctors and is a Pittsburgh component of the Silver Spring, Md.-based National Medical Association, founded Journey to Medicine to provide role models to young, black males and to close the gap in racial disparities in health care.

"Not only do we try to encourage and engage (the students), but we're also trying to make sure they have all the tools and training they need to get into medical schools," said Dr. Anita Edwards, a partner in Century III Medical Associates in West Mifflin and program director of Journey to Medicine.

Of the 300 million people in the United States in 2010, 12.7 percent were black, according to the Census Bureau. According to data physicians reported to the American Medical Association in Chicago, 37,833 doctors were black, constituting 3.8 percent of the nation's 985,375 physicians. Black male doctors accounted for

Helping Minority Students Get Foot in Door To to Medical School (continued)

2 percent of the overall total, according to the association.

“So we are trying to directly address the problem of diminished presence,” said Dr. William Simmons, an anesthesiologist at UPMC Shadyside and Gateway’s vice president.

The Journey students meet at least twice a month for workshops ranging from emergency medicine to cardiology and to work in simulations with interactive mannequins. The students receive tutoring in math, science and English.

Schoolmates and honor roll students DeVaughn and Aladiyn Wilson, 14, a Crafton resident, are second-year Journey members who want to become obstetricians, they said.

The most interesting part of their Journey participation has been obtaining certification in CPR and interacting with practicing physicians, they said.

“I like it so far. It’s helping me become a doctor and making me know more about science and stuff,” Aladiyn said.

Journey’s members have attended a one-week Science Camp at King PreK-8 School on the North Side.

“But we want the program to be fun. We don’t want the kids to think of it as more school,” said Morris E. Turner Jr., Gateway’s youth mentorship program coordinator.

Investing Now, a University of Pittsburgh School of Engineering college preparatory program for students from groups that are underrepresented in science, technology, engineering and math, will tutor Journey ninth-graders in science and math next year.

“You know, it’s not a quick fix, but we’re hoping over time we’ll be able to help our community grow by providing care giving from African-Americans, which will help with the disparity in health care, which is how we get to closing the gap,” Edwards said.

Most of the funding for Journey has come from the Heinz Endowments, which provided a \$75,000 grant for the first two years of the program, said Dr. Jan Madison, a pulmonologist at Pittsburgh Pulmonary Associates in Jefferson Hills and Journey’s fundraising chairwoman. Heinz recently awarded another two-year grant for \$150,000.

The Heinz grants were given in collaboration with Heinz’s African-American Men and Boys Task Force, said Doug Root, spokesman for the endowments.

Other Journey to Medicine supporters include the University of Pittsburgh, Highmark BlueCross BlueShield and the Allegheny County Medical Society.

ASK OPS

(CONTINUED)

You should see and hear the fluid flowing back into the container. Sometimes, relieving the pressure once again from the container helps to drain even more fluid out of the simulator.

Once the fluid draining is complete, we recommend flushing the simulator with a solution consisting of 60% isopropanol alcohol. Open all of the fluid ports on the simulator and flush the fluid system with the cleaning solution until the reservoirs are empty.

A separate fluid fill container comes in handy for storing the cleaning solution.

Diligently carrying out these tasks will ensure that your SimMan 3G will perform up to its fullest potential without requiring any major repairs or overhauls.

MORE UPCOMING CONTINUING EDUCATION EVENTS

- **MOCA**
February 4, 2012

- **OPERATIONAL BEST PRACTICES**
February 16-17, 2012

- **ISIM COURSE - UNIVERSITY OF HAWAII**
March 19-21, 2012

- **DIFFICULT AIRWAY MANAGEMENT**
March 3, 2012

- **FIBEROPTIC BRONCHOSCOPY**
March 4, 2012

- **ISIM-COURSE WISER**
May 21-23, 2012

- **5TH ANNUAL WISER NURSING SYMPOSIUM**
May 24-25, 2012

For more course offerings visit

www.wiser.pitt.edu



WISER Welcomes Two Visiting Fellows from China

Under the Memorandum of Understanding between the Department of Anesthesiology, University of Pittsburgh, and the Clinical Skills Training Center (CSTC) at the Central South University (CSU) in China, WISER greeted two physicians from Xiangya School of Medicine (XYSM), CSU, Changsha, China.

Dr. Ying Li, an Associate Professor of Nephrology and Dr. Danlin Huang, an Attending Pediatrician from the Second Xiangya hospital, who are also faculty at CSTC and CSU, recently joined WISER as visiting fellows for one year and will be studying simulation-based education and research as well as simulation operation.

Xiangya School of Medicine (XYSM) of CSU is one of most prestigious medical schools in China particularly with its fame as the national leader in medical education. Three affiliated university Xiangya hospitals are comprehensive hospitals with a total of 9,000 beds. The CSTC is one of the nationally recognized clinical skills training centers in China.



WISER, as a world class multidisciplinary training and research center for healthcare simulation and a model for the future of patient care, would like to help various medical centers within and outside the USA including China to promote research and education in the field of simulation-based educational programs and simulation center operation. The Department of Anesthesiology representing the University of Pittsburgh signed the first MOU with the University in China. We hope that our collaboration with CSTC at Central South University will produce successful outcomes in the future.

Dr. Paul Phrampus named President-Elect for the Society for Simulation in Healthcare.

The Society for Simulation in Healthcare, the largest international healthcare simulation member organization, announced the results of its recent election. WISER Director Paul Phrampus, MD will become President-Elect on January 1, 2012 and President in 2013. Currently, Dr. Phrampus holds the position of At-large Member of the SSH Board of Directors and Member of the SSH Executive Committee. He co-chaired the 2011 International Meeting for Simulation in Healthcare (IMSH), the largest meeting of multidisciplinary simulation experts and enthusiasts. He is an inaugural member of the editorial board of the journal Simulation in Healthcare.

Dr. Phrampus received a B.S. in Biology from Old Dominion University and an M.D. from Eastern Virginia Medical School in Norfolk, Virginia. He is currently an Associate Professor in the Departments of Emergency Medicine and Anesthesiology of the University of Pittsburgh School of Medicine and Vice Chair, Quality and Patient Safety in the Department of Emergency Medicine.

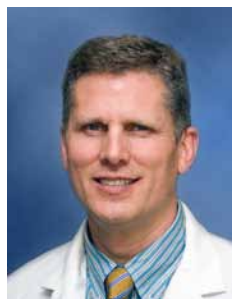
WISER would like to congratulate Dr. Phrampus on this extraordinary honor and accomplishment.

WISER Associate Director William McIvor, MD is awarded the Donald S. Fraley Award

Dr. William McIvor was recently awarded the Donald S. Fraley Award for Medical Student Mentoring. The award recognizes individuals for their outstanding contribution to medical education through their service as mentors to medical students at the University of Pittsburgh School of Medicine. These significant mentoring contributions extend beyond a single student or group of students.

This award is named for the late Donald S. Fraley, MD, alumnus of the School of Medicine (Class of 1968), professor of medicine, and past chair of the Curriculum Committee. Dr. Fraley was regarded by his students and peers as an outstanding mentor. During his career he influenced the professional development of scores of medical students and residents. He led by his example, demonstrating a high regard for his patients, students, and colleagues while striving for the highest quality in clinical care and scholarship. By his actions, he contributed richly to the educational culture of the School of Medicine. Honorees are nominated by the Curriculum Committee and selected by the Curriculum Committee Executive Subcommittee. The award is given at the Annual Curriculum Colloquium.

Dr. McIvor is the Associate Director for Medical Students Programs at WISER. Dr. McIvor has continuously helped to mentor medical students at WISER on projects and has helped to introduce many of them to the benefits of medical simulation. WISER would like to congratulate Dr. McIvor on this accomplishment.



5th Annual WISER Symposium on Nursing Simulation

WISER will hold its 5th annual Symposium on Nursing Simulation on May 24 & 25, 2012 at the Pittsburgh Airport Marriott, Pittsburgh, PA. The world's leaders in simulation will be presenting the latest advancements across disciplines and across the globe. This all star conference has a dual focus on academic and practice setting. Attendees can immerse themselves in presentations, discussions, and interactive sessions on how to move their program where it needs to be for the best patient, student and professional staff outcomes.

This fast paced conference, a full day on Thursday, May 24 and a half day on Friday, May 25 will be held at the Pittsburgh Airport Marriott.

Featured Speakers for this year include:

Jeffrey Groom, PhD, CRNA, Director and Associate Professor-Anesthesiology Nursing-Florida International University in Miami Florida

Valerie M. Howard, EdD., MSN RN, Director of RISE Center & Associate Professor of Nursing-Robert Morris University, President of INACSL

Pamela R. Jeffries DNS, RN, ANEF, FAAN, Professor-J Associate Dan for Academic Affairs at Johns Hopkins University School of Nursing-Johns Hopkins University

Suzie Kardong-Edgren PhD, RN, Assistant Professor-Washington State University College of Nursing

Michelle Kelly, RN, ICC, BSc, MN, Director of Simulation and Technologies-University of Technology Sydney

Mary E. Mancini, PhD, BSN, MSN, Professor and Chairperson - College of Nursing at The University of Texas Arlington, President of the Society for Simulation in Healthcare (SSIH)

John M. O'Donnell CRNA, MSN, DrPH, Director and Associate Professor-Nurse Anesthesia Program, University of Pittsburgh School of Nursing

REGISTER NOW!

For the 5th Annual WISER Symposium on Nursing Simulation

May 24 & 25, 2012
Pittsburgh Airport Marriott,
Pittsburgh, PA

For more information and to register online, visit www.wiser.pitt.edu/nursingsymposium

WISER is also offering a pre symposium course-"iSIM-Improving Simulation Instructional Methods" on May 21-23, 2012 to be held at the Pittsburgh Airport Marriott

For further information, visit www.iSimCourse.com

Come be a part of the future of Nursing Simulation!

**FOR FURTHER
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Call for Poster Abstracts!

Poster Abstracts are now being accepted for the 5th Annual WISER Symposium on Nursing Simulation.

Participants whose abstracts are selected will receive \$100 off their registration fee. Submission deadline is April 2, 2012.

Director's Corner

Greetings Simulation Colleagues,

Getting asked if simulation is “worth it” is one of my favorite provocative questions that I get asked at meetings. It just came up again here at the 9th Annual Asian Pacific Medical Education Conference (APMEC) in Singapore. The answer in my mind is if you believe that through education and assessment we can take better care of patients, and design better systems that deliver high quality, safe medical care, then I think the answer is we cannot afford to not employ simulation. If you believe that we already do a perfect job, every time, then perhaps we don't need to change a thing.....



So do we need to be creative? Absolutely? Do we need to investigate where simulation methods make the most sense from a value perspective? Yes, indeed. But we cannot afford to sit back and wait for randomized controlled studies comparing simulation to the gold standard of traditional education (by the way “traditional education” has never been subjected to such scrutiny or proven) to force us to embark on the power of simulation. We need to encourage the approach taken by our colleagues in the airline industry four decades ago. IT'S JUST COMMON SENSE.

Thinking outside of the box with how you can incorporate simulation to accomplish your educational and assessment goals is critical to moving forward. I am excited to let you know of the work of our own John O'Donnell who just published a methods paper that is one of the most “outside the box” projects on simulation that I have ever seen. In his paper he and his team describe the methods of the creation of a Back Injury Prevention Program that was created at WISER and deployed in a testing capacity throughout our health system. They demonstrated that simulation training can reduce injuries to our care providers sustained on the job. Now that's unique simulation by any measure!

I look forward to seeing many of you in San Diego next week at the IMSH meeting!

Happy Simulating!



Paul