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WISER

Simulation Improving Healthcare

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TechSim Course

WISER is proud to offer a new training program created for Simulation Operations Specialists, TECH SIM! This training program is designed to educate simulation operations specialists on the key tasks associated with the daily operations and maintenance of a simulation center. Topics of this program were mapped to the SSH CHSOS Examination Blueprint and includes: supporting courses, simulation center technology, scenario creation, repair and maintenance, running simulation sessions and much more!



We are offering both an online and onsite program. Access to TechSim: Online (\$150) will allow you to navigate content topics at your own pace. If you prefer a more hands-on experience, participants are encouraged to attend a 1.5 day interactive training program, TechSim: Onsite (\$495). If you have taken the online program, a \$150 credit will be applied to your onsite course fee. The onsite program features a self-paced, online exploration of relevant topics followed by onsite, interactive workshops.

Participating simulation centers include WISER, SimTiki - University of Hawaii, Summa Health Virtual Care Simulation Lab and The Gordon Center – University of Miami.

For more information visit: <http://www.wiser.pitt.edu/techSim>

Tech Tip: Continuous Pulses

The pulses on the Simman can be made to continuously pulsate. This may come in handy for scenarios that require constant pulse check. The participant would no longer need to push the pulse in first, instead it can be felt with a light touch at any time. To do this remove the clear rubber around the pulse, remove the spring that is around the middle post. Replace the top (be sure that the padding is still there, if it is not put a small layer of foam to stop the pulse from making a clicking noise). Wrap the clear plastic back onto the pulse and connect to the Simman. This can be done to any pulse except the carotid and pedal pulses. Note: This may affect your service contract. Please check with Laerdal prior to making any modifications if you have a warranty.



WISER Has Strong Presence at the 2015 IMSH

The saints came matching in as well as over 2,000 participants, to the 2015 International Meeting for Simulation in Healthcare (IMSH) "Simulation Celebration" at the Ernest N. Morial Convention Center in New Orleans, Louisiana. IMSH is the premier educational and networking event for healthcare simulation from all disciplines. During this five day event (January 10-14), participants learned from subject matter experts on various topics including faculty development, creating a policy and procedures manual, the business aspects of simulation, overcoming challenges in assessment and leadership training. WISER leadership played a significant role in not only presenting these topics but also in attending sessions that focused on improving patient safety and taking medical simulation to the next level. Also at the conference, Paul Phrampus, MD, was recognized for significant contributions advancing simulations globally through leadership and mentorship to advance the mission of SSH through his acceptance of a SSH Presidential Citation.

After a ribbon cutting ceremony on Sunday, January 11th, the exhibit hall opened to conference participants. Among the vendors showcasing their latest technologies, the WISER booth displayed many courses ranging from the newest, Simulation Technician Training Program (Tech Sim) and Professional Development Program, to the well-established iSIM- Improving Simulation Instructional Methods. Overall, the WISER presence was positively felt at the 15th anniversary of IMSH.

WISER hopes to see some familiar faces and have a strong impact next year when IMSH 2016 heads west to San Diego, California!

Ebola Response Team Training

In collaboration with UPMC clinicians, infection control personnel, patient safety and waste management specialists, WISER and UPMC have developed an Ebola Response Team Training course. The course, Clinical Response Team Training (CRTT), was developed to train response team members in the initial and long term care of patients with highly communicable diseases. Staff were trained to function in Level II personal protective equipment (PPE), focusing specifically on heightened awareness of PPE, procedural practices and breach avoidance. In preparation for their training, team members are given access to online content, through the WISER learning management system, which covers the pathophysiology of Ebola, response team roles and goals, waste management and a series of references. The onsite portion of the course taught participants the intricacies of the response team responsibilities from activation to self-care.



For additional information, please contact wiserhelp@upmc.edu.

WISER Launches New Community Outreach Programming Course

On Monday December 8th, WISER successfully launched its new Community Outreach Programming course, Introduction to STEM Careers. This course was developed in collaboration with the University of Pittsburgh's Department of Biological Sciences Outreach program. It was designed to introduce middle school and high school students to different Science, Technology, Engineering, and Math (STEM) careers, through hands-on,



inquiry based activities. 9th grade students from Pittsburgh's Science and Technology (SciTech) academy rotated through 4 different modules where each facilitator introduced their career paths and focused on particular STEM topics. In the nursing module, students were taught Bystander BLS using adult and baby manikins. In the technology module, students ran the simulator software and were given an in-depth tour of the simulator technology. In the healthcare provider module, students entered a hospital ward of 3 simulated patients exhibiting varying symptoms of a viral outbreak and learned patient assessment techniques while collecting data on the patient's vital signs. Finally, the patient assessment data was used in a final research module, where students had to use basic laboratory techniques to identify the causative agent in the viral outbreak. A big thank you to Dr. Becky Gonda, the Pitt BioSci middle school outreach coordinator and Mr. Brian Rose, 9th grade science teacher at Pittsburgh SciTech Academy. WISER's community outreach programming is available to all schools; please contact wiserhelp@upmc.edu if you are interested in learning more.

WISER Fellow Dr. Musits Hosts Recurring Journal Club

Participants from WISER, Stanford, Walter Reed and the Pittsburgh VA held an online academic discussion of two simulation based research articles. Topics discussed included communication patterns of anesthesiologists during simulation and the effect of emotional stressors on medical student training. The group meets quarterly with the goal of exposing participants to advances in research and education outside their specialties, improving scholarly reading habits, and increasing communication between professionals at different sites across the United States. The next session will be held in April. More information, including full article citations, are available on the WISER website (Simulation Fellow Journal Club).



Andrew Musits, MD

UPCOMING CONTINUING EDUCATION EVENTS

- HOW TO RUN A SUCCESSFUL SIMULATION CENTER
6/29-30/2015
- ISIM
4/14-16/2015
- MOCA
4/11/2015, 5/30/2015

For more course offerings visit www.wiser.pitt.edu

DID YOU KNOW?

that WISER started as a one room simulation center twentyone years ago



Chancellor's Weekend Tour makes a stop at WISER

The recent University of Pittsburgh Chancellor's Weekend Tour itinerary included a visit to WISER on Friday, February 6th. Chancellor Patrick Gallagher and a variety of University of Pittsburgh alumni and distinguished guests toured WISER to explore the innovative simulation educational programming that our healthcare students and practicing professionals use every day.



WISER's director, Dr. Paul Phrampus, gave an introductory presentation describing the use of simulation in healthcare and education as well as WISER's evolving role in the University and Health System. Following the presentation, the Chancellor and his guests were treated to a hands-on tour of WISER's facilities led by Dr. Phrampus, Associate Director Dr. John O'Donnell, and Visiting Fellow Dr. Andrew Musits. The tour allowed the guests to experience what a typical student or healthcare professional goes through on a daily basis as well as gain hands-on experience with WISER's simulation equipment.

Dr. Phrampus presents at Laerdal SUN

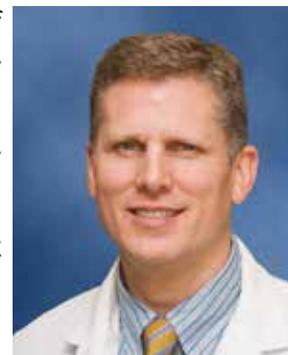
Dr. Paul Phrampus, Director of WISER, traveled to Philadelphia, PA for the December Laerdal Simulation User Network (SUN) Conference. While participating in the conference, Dr. Phrampus taught the Improving Simulation Instructional Methods (iSIM) workshop. The workshop focused on a range of techniques and technologies that introduced participants to the essential skills for simulation-based healthcare education. Topics of the iSIM class included: Design and Development of Simulation Technologies and Environments, Key Components for Successful Simulation, Design Development and Construction of Simulation Scenarios, and Assessment and Debriefing. Additionally, Dr. Phrampus moderated a panel of experts delivering "TED" type talks followed by interactive Q & A at a session entitled "Inter-Professional Simulation Education" as part of the General Session.



Paul Phrampus, MD

Dr. Mclvor promoted to Professor of Anesthesiology

Congratulations to William R. Mclvor, MD, who was recently promoted to Professor of Anesthesiology. Dr. Mclvor has been a faculty member in the Department of Anesthesiology since 1998. He is an Associate Director of the Peter M. Winter Institute for Simulation, Education, and Research (WISER) and Director of Medical Student Simulation Education for both the department and WISER. He is Director of WISER's simulation course for Maintenance of Certification in Anesthesiology. Dr. Mclvor is an accomplished medical student and resident teacher, having received numerous departmental and university awards for teaching excellence, including seven Winter Awards for Excellence in Medical Student Clinical Education from the department and the Charles R. Watson Award for Excellence in Medical Student Education from the local chapter of the Alpha Omega Alpha society. In 2005, Dr. Mclvor was appointed as an inaugural member of the University of Pittsburgh School of Medicine Academy of Master Educators.



William R. Mclvor, MD

Kevin Miracle Becomes CHSOS Certified

WISER would like to congratulate Kevin Miracle, Manager of Simulation Services, on his successful completion of the CHSOS examination. Kevin is the first person at WISER to obtain this designation and he surely will not be the last.

The Society for Simulation in Healthcare (SSH) created the certification process for operations specialists focused on healthcare simulation. This program was developed over a number of years with the input of many individuals representing a wide variety of backgrounds and levels of experience in healthcare simulation. Individuals from the international healthcare simulation community, including other simulation societies, also contributed to the success of the CHSOS Certification.

The SSH reports that successful applicants will receive formal professional recognition of their specialized knowledge, skills, abilities, and accomplishments in simulation operations. CHSOS confirms one's commitment to continued professional development and lifelong learning. Individuals who complete CHOSOS will receive international recognition for their professional accomplishments. Additionally, the CHSOS examination can identify a simulation operations specialist's skills and specialized knowledge to employers, practitioners, and the public.



Kevin Miracle

WISER Hosts Girl Scout Troop 52235

On February 16th, 2015, the South Park Girl Scout Troop 52235 came to WISER for an overview of how to handle emergency situations and how to appropriately administer first aid. The tour was led by Simulation Specialist Marty Mayer who talked to the girls about his experiences as a paramedic and demonstrated what they should do if they come across someone who is in need of first aid. The girls also worked on creating their very own first aid kit that they could keep with them in case they come across a situation where first aid needs to be administered. The Troop observed simulation demonstrations and were shown exactly how medical personnel who come to WISER are trained. The best part of the visit was that the girls earned their first aid badge!



Thirteenth Annual Safar Symposium

The 13th Annual Safar Symposium, including the Peter & Eva Safar Lecture, will be held on May 21 - 22, 2015. The theme for the 2015 Safar Symposium is “Novel Therapies in Cerebral Resuscitation: Hypothermia and Beyond.” Hans Friberg, MD, PhD Associate Professor, Lund University, Sweden, will give the 35th Peter & Eva Safar Annual Lecture in Medical Sciences and Humanities. Dr. Friberg’s research focuses on targeted temperature management after cardiac arrest and he led a multicenter trial on hypothermia after cardiac arrest which was published in NEJM.

The WISER portion of the Safar Symposium will be held May 22, 2015 at WISER from 8:00am - Noon. This year WISER will host talks given by subject matter experts who use medical simulation in their research

For registration and agenda updates visit-- www.wiser.pitt.edu/safar2015.

Director's Corner

Greetings Friends of WISER,

After a long winter, spring has finally arrived here in Pittsburgh! I'm excited to share our recent new projects with you. As the developed world became concerned about the possibility of an Ebola pandemic, WISER was instrumental in coordinating the health system's preparedness for caring for patients with highly communicable diseases. While the threat of a large scale Ebola Outbreak to the United States has lessened, our efforts demonstrated that our existing infrastructure of educational expertise and capabilities was able to respond quickly to oversee the rapid development of a multi-disciplinary curriculum. The end result combined a readiness assessment of the environment and response team as well as curriculum that addressed the cognitive preparations and various psychomotor skills that are required to respond to the treatment of patients with highly communicable diseases.



Additionally, I am excited to announce the release of our simulation operations specialist training program. As I have previously noted, the simulation operations specialist workforce is a crucial component to any simulation program regardless of the focus of the educational topic. The Society for Simulation in Healthcare has developed a blueprint that outlines a core set of knowledge and skills essential to simulation operations specialists, which has been made publically available on their website. Using this blueprint as a framework, WISER has embarked on a collaborative effort with other centers to create a training program specific to simulation operations specialists.

Given the limitations of travel budgets that many institutions are experiencing, we have developed a blended learning solution to the program such that this course can award a certificate via online asynchronous modules, or specialists can participate in an on-site course the builds upon the online content and allows for hands-on activities.

Until Next Time,

Happy Simulating,



Paul

**FOR FURTHER
INFORMATION
REGARDING WISER,
PLEASE CONTACT US:**

phone: 412.648.6073

fax: 412.648.6190

email: wiserhelp@upmc.edu

www.wiser.pitt.edu

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