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WISER

Simulation Improving Healthcare

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WISER Welcomes Visiting Fellow Dr. Hiroko Iwashita



Dr. Iwashita recently joined WISER as a visiting fellow from Saitama, Japan where she works in both obstetrics and emergency medicine at the Dokkyo Medical University Koshigaya Hospital Shock and Trauma Center. Dokkyo Medical University Koshigaya Hospital has 723 beds and 19 clinical departments as well as the following facilities: Histopathology, Clinical Laboratory, Radiology, Library, Koshigaya Division of the Institute of Medical Science, Koshigaya Branch of the Laboratory Animal Research Center, Shock Trauma Center, with the Office of Medical Safety Management and the Clinical Training Center newly added. During her time here, Dr. Iwashita will be studying how to integrate simulation-based education into her teachings. WISER extends a warm welcome to Dr. Iwashita

WISER to Offer Operational Best Practices for Your Simulation Center

Participants of this two day program will learn best practices associated with the operations of a simulation center. Key operational, administrative, and technological elements of a successful simulation center will be reviewed. Topics such as budget creation, staff considerations, daily operations, course development, and simulator programming will be discussed. Interactive exercises will allow participants to practice what they learned during course sessions.

This course is run on a quarterly basis and the fee to participate is \$900. The next class is scheduled for December 8-9, 2011.

Please visit www.wiser.pitt.edu for further information.



CA-1 Introduction to Anesthesiology Simulation Course



This July WISER hosted the department of anesthesiology's new residents in the CA-1 Introduction to Anesthesiology Simulation Course. In this course, the Clinical Anesthesia 1st year (or CA-1) residents learn how to set up a room to deliver a general anesthetic (including setting up an anesthesia machine, preparing appropriate emergency equipment, and drawing up necessary medications), induce and maintain general endotracheal anesthesia, perform basic airway management, allow a patient to emerge from general anesthesia, manage basic intraoperative events, and transfer patient care to the post-anesthesia care unit. It is an ambitious course, and the residents, simulation and clinical faculty, and the residents' future patients all appreciate it! The course is the subject of the publication "The benefits of a simulator training course for initial first-year anesthesiology residency education," which can be found at The Open Anesthesiology Journal 2008;213-19 <http://www.bentham.org/open/toatj/openaccess2.htm>.

UPCOMING CONTINUING EDUCATION EVENTS

- **MOCA**
October 22-24, 2011
- **DIFFICULT AIRWAY
MANAGEMENT**
December 3, 2011
- **FIBEROPTIC
BRONCHOSCOPY**
December 4, 2011
- **ISIM COURSE -
UNIVERSITY OF HAWAII**
December 5-7, 2011

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



WISER goes International with the 2nd Mediterranean Transplantation Anesthesiology and Simulation Symposium (MedTASS)

WISER in conjunction with UPMC, the Mediterranean Institute for Transplantation and Advanced Specialized Therapies (ISMETT), and the Renato Fiandaca Simulation Center, held the 2nd Mediterranean Transplantation Anesthesiology and Simulation Symposium (MedTASS) at the Grand Hotel Villa Igiea in Palermo, Italy on April 27-30, 2011. International experts presented up-to-date reviews of current anesthesia standards of practice.



Several WISER faculty were part of this conference: Dr. John Williams, Chair of the Department of Anesthesia, Dr. Raymond Planinsic, Conference Co-chair, Dr. Joseph Quinlan, Dr. Erin Sullivan, Dr. Andrew Murray, Dr. David Metro, Dr. Victor Scott, and Dr. Ibtesam Hilmi.

This year's conference began with a Difficult Airway Management workshop led by WISER faculty as well as faculty from ISMETT. The workshop provided participants the opportunity to learn about the different aspects of airway management and then practice the skills that they learned on Laerdal SimMan. The following two days included morning sessions of didactic presentations followed by simulation-based learning in the afternoon.

Keynotes for this year's conference were Dr. John Williams who presented on "Advanced Specialty Care: What to Expect in the Next Decade" and Dr. David Metro who presented on "Role of Simulation in Medical Education."



Simulation was used in this conference to teach and demonstrate techniques to deal with critical operating room scenarios, develop an understanding of potential medical errors, and practice crisis-management skills. The following are a few of the scenarios that were encountered: fire in the operating room, how to handle malignant hyperthermia, and transfusion reaction. Conference attendees also participated in interactive simulation sessions dealing with intraoperative decisions in real time crisis management scenarios. Specific sessions were also held to teach difficult airway management, fiberoptic intubation, and central line placement. This year's conference was a success and WISER looks forward to the next conference in 2013.

WISER at Asian Pacific Military Medicine Conference

Dr. Phrampus, Director of WISER, presented “Airway Management of the Entrapped Patient” at the Asian Pacific Military Medicine Conference held in Sydney, Australia in May. His presentation was part of a series of caring for patients involved in catastrophic world disasters involving collapse and entrapment.

Dr. Phrampus and Dr. Benjamin Berg, Director of the SimTiki Simulation Center at the University of Hawaii, teamed with the University Hospital of Tuebingen, Germany by using concepts of distance telementoring and simulation to teach an approach to airway management in the entrapped patient. Via live video teleconferencing, Dr. Marcus Rall, Director of the Tuebingen Center for Patient Safety and Simulation in



Germany, was able to precept a participant physician in Sydney who was managing the airway of a simulated entrapped patient. The physician, from Bangladesh, was able to successfully secure the airway of the entrapped patient using videolaryngoscopy and the link to Germany.

Drs. Berg and Phrampus led a separate workshop on implementing simulation for use in disaster response training. The workshop involving military medicine specialists covered the technology and skills necessary to develop scenarios to employ in disaster training efforts. Each small group was able to develop a scenario and experience the nuances, successes, and challenges of simulation scenario development. The capstone exercise provided the opportunity for each group to run their scenario using members of the other groups as students.

This is the 6th consecutive year that WISER has been invited to participate in this important meeting to help advance Military Medicine in the Asian Pacific Region. The APPMC in past years was hosted by Indonesia, South Korea, Singapore, Philippines, India, and Vietnam.

ASK OPS

Changing Your RFID Medication Names in SimMan 3G:

If a different set of medications is desired for RFID (*Radio Frequency Identification*) recognition in SimMan 3G:

- Go into the Profile Editor
- Select Drugs Available
- Click the Drug and Display Name
- Start typing the desired name
- Modify default details for the new drug (the RFID tag will always be associated to that tag number)
- Save the profile to a new name, so it can be recalled for particular scenarios

EXAMPLE: If you have a need for multiple epinephrine injections in a code or if you prefer to use a brand name of a medication instead of the generic name

NOTE: Ensure to keep track of any changes!

MORE UPCOMING CONTINUING EDUCATION EVENTS

○ | OPERATIONAL BEST PRACTICES

December 8-9, 2011

○ | ISIM COURSE - UNIVERSITY OF HAWAII

March 19-21, 2012

○ | 5TH ANNUAL NURSING SYMPOSIUM

May 24-25, 2012

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



Center for Inclusion Brings Students to WISER

The Center for Inclusion at UPMC helped bring enthusiastic high school students face-to-face with SimMan and SimBaby at WISER during the 11th annual “The Future Is Mine” Student Leadership Conference this past April. In one of many community collaborations, the Center for Inclusion teamed with the Consortium for Public Education, which sponsors the conference, to promote career exploration. Of the conference attendees, 16 students chose to explore careers in healthcare at UPMC.

Students gathered at Forbes Tower in Oakland for presentations and conversation with Wendeline Grbach, a curriculum developer at the UPMC School of Nursing, who discussed clinical and research careers. Natalie Bell, a recruiter for UPMC Corporate Services, introduced students to careers in hospital administration, and Melissa Wanker, coordinator of Simulation Services at WISER, provided background on simulation in medical education.

“The presentations really gave me a grasp of how many different professions there are in the medical field,” said Bhavani Patel, a student at Gateway High School.



After lunch, students were treated to a tour of WISER, where they were introduced to the sophisticated medical education software and interactive technology used in the SimMan manikins.

“Through education programs such as this careers conference, we are helping to prepare students early on, making them aware, and offering insight into what’s available in the world of health careers,” says Winifred Torbert, program director

of K-12 Initiatives, Center for Inclusion at UPMC. “In this way, UPMC is building a pipeline of healthcare staff, a strategy to meet our regional workforce needs.”

By every measure the day was a success, perhaps summed up best by Matthew Uhring of East Allegheny High School, a student interested in media and public relations, “My goal is to come to UPMC and work one of these days.”

WISER hosts Medical and Administrative Professionals from Tan Tock Seng Hospital

WISER recently hosted medical and administrative professionals from Tan Tock Seng Hospital (TTSH), located in Singapore. Tan Tock Seng Hospital is one of Singapore’s largest multi-disciplinary hospitals with more than 160 years of pioneering medical care and development. The group consisted of two physicians, a nurse trainer, two administrators, a physical therapist, and a simulation technology specialist, all of who completed a two week Preceptor Program.

While here, the group met with key senior WISER staff and instructors. Their time

WISER hosts Medical and Administrative Professionals from Tan Tock Seng Hospital (continued)

at WISER was spent learning about the different aspects of simulation as well as what it takes to successfully run a course in a busy simulation center. The group also observed and participated in many of the courses offered at WISER including Crisis Team Training (CTT), Laerdal Simulation Installation and Programming (LSIP), and Foundations of Simulation in Healthcare: Creating Your Simulation Center. Dr. Loo Shi, Clinical Director of the future Tan Tock Seng Hospital Simulation Training Center states, “We would again like to express our sincere appreciation to you all at WISER for hosting us so enthusiastically and for sharing so freely your knowledge, concepts and insights with us. We have definitely learned a tremendous amount and that would be the strong foundation for our development of Simulation Training.” WISER would like to extend a warm thank you to the group.



Dr. Takeda finishes Fellowship



Visiting fellow Dr. Satoshi Takeda has finished his one year fellowship at WISER. Dr. Takeda is from The Jikei University School of Medicine, Tokyo, Japan where he is a lecturer in the Department of Emergency Medicine. During his time at WISER, Dr. Takeda “learned much about top-notch simulation educator skills from daily observations of various training courses at WISER.” He also learned about developing these skills from attending several iSIM (Improving Simulation Instructional Methods) courses. Dr. Takeda said, “Overall, my time here at WISER was incredibly fulfilling professionally and personally. What I learned and the connections I made will lend themselves to further medical simulation education in Japan.” WISER would like to wish Dr. Takeda good luck in all of his future endeavors.

WISER hosts the Innovations in Minimally Invasive Gynecologic Surgery Conference

On June 4th and 5th WISER hosted the Innovations in Minimally Invasive Gynecologic Surgery-Hysterectomy and Beyond Conference, which was sponsored by the Advancing Minimally Invasive Gynecology Worldwide (AAGL). This three day course hosted both national and international guests; the target audience consisted of gynecologists and gynecologic surgeons looking to not only refine their skills, but also to develop new ones.



The first two days were held at WISER where participants attended both lectures and interactive workshops. The third day participants viewed live surgeries at Magee Woman’s Hospital, which provided gynecologists with a solid foundation in advanced minimally invasive pelvic surgical techniques based on sound, safe, and anatomical surgical principles. To optimize the learning experience of the participants, the conference was divided into multiple didactic sessions along with hands-on workshops using the latest technologies in surgical simulation. WISER was pleased to be able to host the first two days of this conference that brought in national presenters who focused on the many different types of laparoscopic surgeries in the field of gynecology.

**FOR FURTHER
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Registration Open for 5th Annual WISER Nursing Symposium

Registration is now open for the 5th Annual WISER Nursing Symposium.

The event will be held on May 24-25, 2012 at the Pittsburgh Airport Marriot Hotel. This is a must-attend event with speakers and experts from around the country bringing light to the latest information on nursing simulation, as well as conducting interactive workshops to help make the most of your simulation training.

For more information go to www.wiser.pitt.edu/nursingSymposium2012

Director's Corner

Greetings Simulation Colleagues,

Taking care of the faculty members of your simulation center is one of the most important tasks for all of us running simulation programs. With all of the focus that goes into creating learner-centric simulation, it can make you believe that the students of the simulation program are the most important group to focus on.

However, we believe that the focus of customer satisfaction should be aimed at the educators who create and conduct the simulation-based educational activities. That group of people make up the true VIPs of WISER.

As I travel and meet people from around the world, it is clear that most educators involved in simulation also have a "day job." That core fundamental observation solidifies in my mind that our focus on faculty support is right on target and will continue at WISER.

Finding new ways to serve the needs of educators, whether it is through templated scenarios and course creation materials, support to create web-based pre-class materials, or ensuring that the technical and operational requirements are cared for will poise them for success.

The staff at WISER form a partnership with our teaching faculty to support them through the design and creation process as well as supporting their activities at show time. We strive on a daily basis to off-load the work of simulation from our teaching faculty so that they can concentrate on the educational activity at hand.

Excellent simulation resulting from well-supported instructors ensures that the students of the program get the most from their educational involvement with simulation. This type of partnering is sure to help your program grow.

Happy Simulating!



Paul

