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CONTRACTING ORGANIZATION: Society for Simulation in Healthcare
Wheaton, IL 60187

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14. ABSTRACT 3112 individuals attended the 2012 International Meeting on Simulation in Healthcare and had access to Preconference courses, Expert panels, keynote Plenary Sessions, roundtables, immersive, and workshop sessions to further their knowledge of use of simulation in healthcare to improve patient safety and manage resources. 73 workshops provided both hands-on and interactive learning in the areas of conducting research, outcomes based assessment, case development, disaster training, needs assessment and competency based training. Panels and keynotes addressed education, research, simulations operations, interactive environments, credentialing & assessment, clinical areas, economics of simulation and standardized patients. 275 peer reviewed research abstracts were presented and selections were published in the Society's Journal, Simulation in Healthcare in December, 2011. Additionally, Technology and Program Innovations non-peer reviewed works in progress abstracts were presented and published in the course program.					
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Introduction

The International Meeting on Simulation in Healthcare (IMSH) is the official meeting of the Society for Simulation in Healthcare (SSH). The SSH mission is to lead in facilitating excellence in (multi-specialty) health care education, practice, and research through simulation modalities.

THE SOCIETY

The Society for Simulation in Healthcare (SSH) was established in January 2004 to represent the rapidly growing group of educators and researchers who utilize a variety of simulation techniques for education, testing, and research in health care. The membership, now over 3,000, is united by its desire to improve performance and reduce errors in patient care using all types of simulation including task trainers, human patient simulators, virtual reality, and standardized patients. SSH is now a broad-based, multi-disciplinary, multi-specialty, international society with ties to all medical specialties, nursing, allied health paramedical personnel, and industry. A major venue for advancing simulation in medicine is the annual International Meeting for Simulation in Healthcare (formerly IMMS) that has been held successfully since 1995. SSH, beginning in 2006, has wholly sponsored this meeting. SSH welcomes connections with other organizations interested in patient simulation. Recognizing that simulation represents a paradigm shift in health care education, SSH promotes improvements in simulation technology, educational methods, practitioner assessment, and patient safety that promote better patient care and can improve patient outcome.

The Goal of IMSH is to bring together investigators, educators, and health care practitioners from a broad range of medical and paramedical specialties that are interested in health care simulation in all of its forms.

In 2012, IMSH featured keynote speakers, workshops, panels, research and “technology and program innovations” poster and presentation sessions covering topics such as: surgical training devices, patient safety, curriculum development, simulation center operations, performance evaluation, developing metrics, debriefing simulation experiences, and training applications (crisis management, credentialing and assessment, faculty development, trauma, clinical emergencies, teamwork skills, etc.)

This year’s conference offered immersive simulation sessions for small groups of 20. Additionally, a team competition was continued from its initiation in 2010, called “Sim Wars”, in which teams were given Scenarios and graded by the audience and appointed judges. The winning team was awarded a trophy for 2012 as the reigning champions of Sim Wars which will be carried forward in subsequent years.

Two new courses were premiered in 2012: “Iron Sim” and “Debriefing Olympics”.

“Iron Sim” was modeled after the popular television cooking competition show where contestants competed using a mystery ingredient. Iron Sim involved teams solving clinical problems using simulators. The objective of each competition was to complete individual tasks built into each simulation and there was a mystery case unknown to each team that was revealed at the beginning of each competition.

The second new course was “Debriefing Olympics”. An innovative and dynamic format was used for this series. Three debriefers assessed a team of three role players seen on a video. Judges provided feedback to the debriefers and the audience reflected on their performance and feedback. Audience members, judges and guest debriefers discussed and reflected on the process.

This contract provided funding support for the conference faculty and publication of the research abstracts in the syllabus and the Society’s peer-reviewed journal.

Body

Over 3100 individuals involved in healthcare simulation attended the 2012 conference and participated in panels, workshops, peer-reviewed research and non-peer-reviewed “technology and program innovations” abstract presentations. The TATRC contract provided funds for the publication of the peer-reviewed research abstracts and support for the faculty of general session panels and workshops. The schedule below of the general sessions and workshops identifies the content areas covered by the conference and identifies the faculty experts participating. The appendix includes a complete listing of the syllabus for the peer-reviewed abstracts which is being published in the Society’s Journal, *Simulation in Healthcare*, now accepted for indexing in Medline® and a document showing the workshops (with named faculty) conducted at the conference.

The growth in attendance, which more than doubled since 2006, clearly indicates the growing interest and need for continued education in the area of simulation in healthcare at quality CME/CE activities such as IMSH. The research abstract authors benefited from individualized attention at the “Professor Rounds” whereby conference faculty interacted directly with the authors. Interaction and networking between attendees and faculty at the conference will likely result in additional research by individuals and new multi-center research opportunities.

Published research abstracts are available to members on-line through the publisher and on the Society’s website. Additionally, selected sessions were videotaped and will be made available to the membership on-line on the Society’s website (www.ssih.org).

Below is the conference schedule at a glance that gives an overview of the meeting breakdown.

IMSH 2012 MASTER SCHEDULE At-A-Glance

Thursday

January 26

SSH Board of Directors Meeting	7:30 AM	12:00PM
IPE Pre-session Dinner (Invite Only)	6:30 PM	10:00 PM

Friday

January 27

SSH - NLN Symposium	7:30 AM	5:00 PM
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Saturday

January 28

SSH - NLN Symposium	7:30 AM	12:00 PM
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Morning Educational Session - 4 hours

<i>Art of Scenario Development</i> (2PC.1084Adv)	8:00 AM	12:00 PM
<i>Designing and Developing Instruction Manuals</i> (2PC.582Beg)	8:00 AM	12:00 PM
<i>Developing a Deteriorating Patient Program</i> (2PC.1441Beg)	8:00 AM	12:00 PM
<i>E-hance Your Sim Training</i> (2PC.919Int)	8:00 AM	12:00 PM
<i>Feedback and Debriefing</i> (2PC.412Int)	8:00 AM	12:00 PM

<i>Immediate Stroke Life Support (ISLS)</i> (2PC.365Adv)	8:00 AM	12:00 PM
<i>Research, Where Do I Start?</i> (2PC.218Beg)	8:00 AM	12:00 PM
<i>Simulation SOS</i> (2PC.1111Adv)	8:00 AM	12:00 PM
<i>Simulation to Assess Competence</i> (2PC.72Int)	8:00 AM	12:00 PM
<i>Speed Dating: Polishing Your Research</i> (2PC.1238Adv)	8:00 AM	12:00 PM
<i>Teamwork Training in Disguise</i> (2PC.44Adv)	8:00 AM	12:00 PM
Afternoon Educational Session - 4 hours		
<i>Developing A Simulation Program</i> (2PC.335Int)	1:00 PM	5:00 PM
<i>Developing IPE Immersive Scenarios</i> (2PC.583Int)	1:00 PM	5:00 PM
<i>Developing Simulation-based OSCEs</i> (2PC.587Int)	1:00 PM	5:00 PM
<i>Fundamentals of Integrating SP's</i> (2PC.357Beg)	1:00 PM	5:00 PM
<i>IPE Collaboration Through Scenario Design</i> (2PC.1451Int)	1:00 PM	5:00 PM
<i>Measuring What you Want</i> (2PC.921Beg)	1:00 PM	5:00 PM
<i>Moulage Mystique</i> (2PC.914Adv)	1:00 PM	5:00 PM
<i>Patient Satisfaction</i> (2PC.507Adv)	1:00 PM	5:00 PM
<i>Structured Debriefing</i> (2PC.808Int)	1:00 PM	5:00 PM
<i>Systems Integration</i> (2PC.1478Adv)	1:00 PM	5:00 PM
<i>Training SP's for Procedural Skills Scenarios</i> (2PC.401Int)	1:00 PM	5:00 PM
<i>You've Got Simulator and Staff</i> (2PC.1048Adv)	1:00 PM	5:00 PM

Sunday

January 29

Early Morning Educational Session - 2 hours

<i>Advanced Data Analysis and Reporting</i> (3PC.435Adv)	7:30 AM	9:30 AM
<i>Difficult Conversations in OB & Neonatology</i> (3PC.1299Int)	7:30 AM	9:30 AM
<i>Integrating Simulation into Curriculum</i> (3PC.182Int)	7:30 AM	9:30 AM
<i>Life in the Neurovascular ED(Part 1)</i> (3IM.73Adv)	7:30 AM	9:30 AM
<i>Mastery Learning and Deliberate Practice</i> (3PC.828Int)	7:30 AM	9:30 AM
<i>Process of Care Scenarios</i> (3PC.949Int)	7:30 AM	9:30 AM
<i>Simulation in Neonatal Mock Codes</i> (3IM.144Adv)	7:30 AM	9:30 AM
<i>SP Case and Checklist Development</i> (3PC.843.Beg)	7:30 AM	9:30 AM
<i>Teaching and Conducting Root Cause Analysis</i> (3IM.360Adv)	7:30 AM	9:30 AM
<i>Using Improvisation Techniques</i> (3PC.464Adv)	7:30 AM	9:30 AM

Late Morning Educational Session - 2 hours

<i>Art and Science of Facilitation</i> (3PC.1511Adv)	10:00 AM	12:00 PM
<i>Breaking Bad News in Obstetrics</i> (3IM.736Adv)	10:00 AM	12:00 PM
<i>Debriefing in Surgical Simulation</i> (3IM.1099Adv)	10:00 AM	12:00 PM
<i>Developing a Simulation Center</i> (3PC.390Beg)	10:00 AM	12:00 PM

<i>Don't Be Talking IPE With Silos on Your Mind</i> (3PC.1250Int)	10:00 AM	12:00 PM
<i>Hybrid Task Training with Objective-based Outcomes</i> (3PC.875Adv)	10:00 AM	12:00 PM
<i>Incorporation of Patient Safety Goals</i> (3IM.626Adv)	10:00 AM	12:00 PM
<i>Intermediate Lean Simulation Applications</i> (3PC.1442Adv)	10:00 AM	12:00 PM
<i>Life in the Neurovascular ED (Part 2)</i> (3IM.1480Int)	10:00 AM	12:00 PM
<i>Road Map to SSH Accreditation</i> (3PC.992Adv)	10:00 AM	12:00 PM
<i>Simulation in Neonatal Resuscitation</i> (3IM.289Int)	10:00 AM	12:00 PM
<i>Transforming Communication</i> (3IM.334Adv)	10:00 AM	12:00 PM
<i>Transforming Debriefing Effectiveness</i> (3PC.648Beg)	10:00 AM	12:00 PM

Opening Keynote Address

<i>Structure, Freedom, or Both? The Jazz of Team Communication</i> (3PS.1624)	2:00 PM	3:15 PM
Exhibition Hall Open and Ribbon Cutting Ceremony	3:30 PM	7:00 PM
<i>Simwars!</i> (3PS.1628)	3:30 PM	5:00 PM
SSH Technology and Technicians SIG	3:45 PM	5:00 PM
IMSH Exhibition Reception	5:30 PM	7:00 PM
<i>SSH Nursing SIG</i>	7:00 PM	8:00 PM
IMSH Get Acquainted Party!	7:30 PM	10:00 PM

Monday, January 30, 2012

Poster Exhibition

Plenary Session

**Lou Oberndorf Lecture on Innovation in
Healthcare Simulation:**

<i>NASA Space Medicine Simulations, Flight Analog and Mission Control (4PS.1625)</i>	8:00 AM	9:15 AM
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Morning Educational Session - 45 minutes

<i>10101010: Shouldn't Technology Make Operations Easier? (4RT.54Int)</i>	9:30 AM	10:15 AM
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<i>Building for Sustainability (4PP.245Int)</i>	9:30 AM	10:15 AM
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<i>Dental Affinity Group: AAOMS Office Anesthesia Program (4PP.391Int)</i>	9:30 AM	10:15 AM
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<i>Development of Scenarios in Small Pacific Islands (4PP.13SDCC 33Beg)</i>	9:30 AM	10:15 AM
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<i>Discovering and Understanding Human Factors (4PP.127Adv)</i>	9:30 AM	10:15 AM
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<i>Dose of Reality (4RT.1002Adv)</i>	9:30 AM	10:15 AM
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<i>Next Generation of Simulation Centers (4RT.602Adv)</i>	9:30 AM	10:15 AM
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<i>Process Improvement in the Hospital Setting (4EP.349Int)</i>	9:30 AM	10:15 AM
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<i>Reflections on Undergraduate, Scenario- based IPE (4PP.397Beg)</i>	9:30 AM	10:15 AM
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<i>Simulation Journal Club 2012 (4EP.19Int)</i>	9:30 AM	10:15 AM
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<i>Simulation Journey: University of Wisconsin (4EP.1162Int)</i>	9:30 AM	10:15 AM
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<i>State of the Evidence (Part 1) (4PP.198Int)</i>	9:30 AM	10:15 AM
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<i>Technology and Fidelity</i> (4EP.1619)	9:30 AM	10:15 AM
<i>Update on Assessment Tools (Part 1)</i> (4EP.344Int)	9:30 AM	10:15 AM
<i>Using Simulation vs. Traditional Preceptorship</i> (4PP.527Int)	9:30 AM	10:15 AM
<i>Using Simulation-based Interdisciplinary Team Training</i> (4PP.1419Adv)	9:30 AM	10:15 AM

Morning Educational Session - 90 minutes

<i>Confederate Boot Camp</i> (4WS.99Int)	9:30 AM	11:00 AM
<i>Developing a Targeted Curriculum</i> (4WS.51Beg)	9:30 AM	11:00 AM
<i>Developing and Using a Financial Cost Model</i> (4WS.442Adv)	9:30 AM	11:00 AM
<i>From Passive Observers to Active Learners</i> (4WS.1255Int)	9:30 AM	11:00 AM
<i>Great Debriefing Game</i> (4WS.282Beg)	9:30 AM	11:00 AM
<i>Haptics Technology</i> (4EP.1651)	9:30 AM	11:00 AM
<i>How to Develop a Scenario for Simulation- based Testing</i> (4WS.1092Adv)	9:30 AM	11:00 AM
<i>I am a Director of a Sim Center</i> (4WS.1272Beg)	9:30 AM	11:00 AM
<i>Integrating Simulation Across the Curriculum</i> (4WS.962Int)	9:30 AM	11:00 AM
<i>Interactive Simulation for Pre-clinical Students</i> (4WS.760Adv)	9:30 AM	11:00 AM
<i>Iron Sim</i> (4PL.1631)	9:30 AM	11:00 AM
<i>Just in Time Faculty Development</i> (4WS.66Adv)	9:30 AM	11:00 AM
<i>Preparing Learners using Game-Based Learning</i> (4PP.503)	9:30 AM	11:00 AM
<i>Single Frame Programming</i> (4WS.129Int)	9:30 AM	11:00 AM
<i>Training SPs in Verbal Feedback</i>	9:30 AM	11:00 AM

Morning Educational Session - 45 minutes

<i>Assessing Healthcare Teamwork Skills</i> (4RT.1211Int)	10:30 AM	11:15 AM
<i>Cost Versus Reality</i> (4EP.728Int)	10:30 AM	11:15 AM
<i>Dental Affinity Group: Bag-Mask/Bag-LMA Ventilation</i> (4PP.392Int)	10:30 AM	11:15 AM
<i>Fidelity, Validity, and Credibility of Training Simulators</i> (4EP.1636)	10:30 AM	11:15 AM
<i>How to Get a Course Accepted to IMSH</i> (4EP.1528Int)	10:30 AM	11:15 AM
<i>Identification of a Pediatric Emergency Medicine Curriculum</i> (4PP.1109Adv)	10:30 AM	11:15 AM
<i>In Situ Simulation to Improve Door-to-Balloon (D2B) Times</i> (4EP.118???)	10:30 AM	11:15 AM
<i>IPE Crisis Resource Management (CRM) Training</i> (4PP.740Adv)	10:30 AM	11:15 AM
<i>Meet Cara Morgan</i> (4EP.547Beg)	10:30 AM	11:15 AM
<i>Other Duties as Assigned</i> (4RT.303Beg)	10:30 AM	11:15 AM
<i>Short Versus Long Simulation Scenarios</i> (4RT.453Adv)	10:30 AM	11:15 AM
<i>Simulation-based Credentialing</i> (4EP.1062Int)	10:30 AM	11:15 AM
<i>Simulations for the Future</i> (4EP.1294Adv)	10:30 AM	11:15 AM
<i>Update on Assessment Tools (Part 2)</i> (4EP.345Int)	10:30 AM	11:15 AM

Early Afternoon Educational Session - 45 minutes

<i>Branding: It's Not Just for the Cereal Aisle</i> (4PP.502Int)	1:00 PM	1:45 PM
<i>Evaluation of a Pilot Teaching Session</i> (4PP.738Int)	1:00 PM	1:45 PM

<i>Fundamentals to Building a Policy Manual</i> (4EP.348Beg)	1:00 PM	1:45 PM
<i>Guidelines for Conducting Research</i> (4EP.520Beg)	1:00 PM	1:45 PM
<i>In Situ Simulation</i> (4EP.867Int)	1:00 PM	1:45 PM
<i>Linking Simulation to Improved Patient Outcomes</i> (4PP.731Int)	1:00 PM	1:45 PM
<i>Mastery Learning Principles</i> (4EP.794Int)	1:00 PM	1:45 PM
<i>Nursing Research in Simulation</i> (4PP.14Beg)	1:00 PM	1:45 PM
<i>Oral Presentations: Clinical Outcomes and Quality Improvement</i> (4RT.1657Int)	1:00 PM	1:45 PM
<i>Orientation to Simulation Technology</i> (4WS.1649)	1:00 PM	1:45 PM
<i>Redesigning and Sustaining Nursing Orientation</i> (4EP.744Adv)	1:00 PM	1:45 PM
<i>State of the Evidence (Part 2)</i> (4PP.200Adv)	1:00 PM	1:45 PM
<i>Virtual Communities</i> (4EP.1112Int)	1:00 PM	1:45 PM
<i>Working Effectively with Media</i> (4RT.309Int)	1:00 PM	1:45 PM
Early Afternoon Educational Session - 90 minutes		
<i>Application of Sim-PICO</i> (4WS.459Int)	1:00 PM	2:30 PM
<i>Beyond Education and Training</i> (4EP.1640)	1:00 PM	2:30 PM
<i>Creating Visual Impact</i> (4WS.673Int)	1:00 PM	2:30 PM
<i>Debriefing Olympics</i> (4WS.79Adv)	1:00 PM	2:30 PM
<i>Effective Simulation Operations</i> (4WS.370Beg)	1:00 PM	2:30 PM
<i>Intro to Data Management and Reporting</i> (4WS.268Int)	1:00 PM	2:30 PM
<i>Medium is the Message</i> (4WS.1140Adv)	1:00 PM	2:30 PM

<i>Patient-centered Simulation</i> (4WS.450Int)	1:00 PM	2:30 PM
<i>Safety First...Then What?</i> (4WS.196Adv)	1:00 PM	2:30 PM
<i>Sim Worldwide</i> (4EP.1475Adv)	1:00 PM	2:30 PM
<i>Simulate the Tough Times</i> (4WS.SDCC 2SDCC 28Adv)	1:00 PM	2:30 PM
<i>SP as Coach</i> (4WS.913Int)	1:00 PM	2:30 PM
<i>Surgery Bootcamp Workshop</i> (4WS.378Adv)	1:00 PM	2:30 PM
<i>Undergraduation Medical Education:</i> (4WS.374Adv)	1:00 PM	2:30 PM
Early Afternoon Educational Session - 45 minutes		
<i>Before the Code Team Arrives</i> (4PP.1147Adv)	2:00 PM	2:45 PM
<i>Blind Debrief</i> (4PP.463Adv)	2:00 PM	2:45 PM
<i>Caring for Older Adults</i> (4RT.594Adv)	2:00 PM	2:45 PM
<i>Critical Thinking, Basic Skills</i> (4PP.901Beg)	2:00 PM	2:45 PM
<i>Innovations in Pediatric Curriculum</i> (4EP.406Int)	2:00 PM	2:45 PM
<i>Oral Presentations: Clinical Outcomes and Quality Improvement</i> (4RT.1658Int)	2:00 PM	2:45 PM
<i>Orientation to Clinical Terminology</i> (4WS.1638Beg)	2:00 PM	2:45 PM
<i>Programmatic Implementation of SP Methodology</i> (4EP.580Int)	2:00 PM	2:45 PM
<i>Serious Gaming in Obstetrics</i> (4WS.466)	2:00 PM	2:45 PM
<i>Simulation Center Design</i> (4EP.361Int)	2:00 PM	2:45 PM
<i>Simulation Fellowships</i> (4RT.1327Adv)	2:00 PM	2:45 PM
<i>Simulation in the Pre-clinical Years</i> (4PP.641Int)	2:00 PM	2:45 PM

<i>Update on Certification</i> (4EP.145Int)	2:00 PM	2:45 PM
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Late Afternoon Educational Session - 45 minutes

<i>All Medical Education is Simulation</i> (4PP.1249Adv)	3:00 PM	3:45 PM
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<i>Breaking Down the Silos</i> (4EP.525Beg)	3:00 PM	3:45 PM
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<i>Building Capacity for Sim in Asia</i> (4EP.1450Adv)	3:00 PM	3:45 PM
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<i>Community Outreach and Engagement</i> (4RT.729Int)	3:00 PM	3:45 PM
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<i>Delivering Effective Feedback</i> (4PP.76Adv)	3:00 PM	3:45 PM
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<i>Developing Dental Crisis Resource Management</i> (4PP.1012Int)	3:00 PM	3:45 PM
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<i>Development of Institutional ECMO</i> (4RT.693Adv)	3:00 PM	3:45 PM
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<i>In Situ Team Emergency Resuscitation</i> (4PP.546Int)	3:00 PM	3:45 PM
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<i>National Approach to Simulation: Australia</i> (4PP.1321Int)	3:00 PM	3:45 PM
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<i>Nursing Online Course Design</i> (4EP.1SDCC 222Beg)	3:00 PM	3:45 PM
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<i>Oral Presentations: Human Factors</i> (4RT.1659Int)	3:00 PM	3:45 PM
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<i>Orientation to Performance and Instructional Technologies</i> (4WS.1639)	3:00 PM	3:45 PM
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<i>South Carolina Nursing Simulation Project</i> (4PP.471Int)	3:00 PM	3:45 PM
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<i>State of the Evidence (Part 3)</i> (4PP.201Adv)	3:00 PM	3:45 PM
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<i>Using Simulation to Teach Clinical Judgment in Geriatrics</i> (4PP.1530Int)	3:00 PM	3:45 PM
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Late Afternoon Educational Session – 90 minutes

<i>Challenges in Medical Modeling and Simulation</i> (4EP.1641)	3:00 PM	4:30 PM
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<i>Fine-tune: Pre- and Post-briefing</i> (4WS.726Adv)	3:00 PM	4:30 PM
<i>IMSH Exhibitor Town Hall Meeting (Invite Only)</i>	3:00 PM	4:30 PM
<i>Innovative Collaborations</i> (4RT.789Int)	3:00 PM	4:30 PM
<i>Learning Management Systems</i> (4WS.704Adv)	3:00 PM	4:30 PM
<i>Legislative Pizza Simulation</i> (4WS.510Adv)	3:00 PM	4:30 PM
<i>Mrs. Hoop</i> (4WS.1408Int)	3:00 PM	4:30 PM
<i>Parent Actors in Simulation</i> (4WS.302Int)	3:00 PM	4:30 PM
<i>Pearls and Pitfalls</i> (4WS.277Adv)	3:00 PM	4:30 PM
<i>Proof is in the Video</i> (4WS.1354Int)	3:00 PM	4:30 PM
<i>Research Worlds</i> (4WS.448Adv)	3:00 PM	4:30 PM
<i>Scenario Design and Debriefing for Dummies</i> (4WS.619Beg)	3:00 PM	4:30 PM
<i>Simwars!</i> (4PS.1629)	3:00 PM	4:30 PM
<i>Stop and Go Debriefing</i> (4WS.240Int)	3:00 PM	4:30 PM
<i>Transforming Simulation Activities to Research</i> (4WS.807Int)	3:00 PM	4:30 PM
Late Afternoon Educational Session - 45 minutes		
<i>Anesthesia Residency Curricula</i> (4EP.134Adv)	4:00 PM	4:45 PM
<i>Bringing Henry and Ertha to Life</i> (4PP.1208Adv)	4:00 PM	4:45 PM
<i>Can We Teach, Refine, and Evaluate?</i> (4RT.1106Adv)	4:00 PM	4:45 PM
<i>Federal Medical Simulation and Training Consortium</i> (4EP.1655)	4:00 PM	4:45 PM
<i>Formal Training of Communication Skills</i> (4EP.37Int)	4:00 PM	4:45 PM

<i>Health Information Technology Scholars (HITS) Project</i> (4PP.951Int)	4:00 PM	4:45 PM
<i>High-fidelity Simulation in Dental Clinics</i> (4PP.1148Int)	4:00 PM	4:45 PM
<i>Hospital-based Faculty Development Program</i> (4PP.1121Int)	4:00 PM	4:45 PM
<i>Oral Presentations: Human Factors</i> (4RT.1660Int)	4:00 PM	4:45 PM
<i>Rapid Cycle Deliberate Practice</i> (4PP.SDCC 222Int)	4:00 PM	4:45 PM
<i>Simulation on the Front Line</i> (4PP.1421Int)	4:00 PM	4:45 PM
<i>Training the Exceptional Surgeon</i> (4PP.612Adv)	4:00 PM	4:45 PM

Tuesday, January 31, 2012

Poster Exhibition	7:00 AM	4:00 PM
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IMSH Exhibition	9:00 AM	3:00 PM
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Plenary Session

Michael S. Gordon Lecture on Medical Education:

<i>Human Factors and Simulation: Limiting Iatrogenic Harm</i> (5PS.1626)	8:00 AM	9:15 AM
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Morning Educational Session - 45 minutes

<i>Are We A Sim Center or Deli?</i> (5PP1318)	9:30 AM	10:15 AM
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<i>Conflict of Interest Considerations</i> (5EP.1602)	9:30 AM	10:15 AM
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<i>Dental Affinity Group: In Situ Emergency Management</i> (5PP.394Adv)	9:30 AM	10:15 AM
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<i>Experts Sharing Infrastructure (Part 1)</i> (5RT.SDCC 229Int)	9:30 AM	10:15 AM
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<i>From High-tech to Low-tech</i> (5PP.383Beg)	9:30 AM	10:15 AM
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<i>I Sim, You Sim, Do We Simulate the Same?</i> (5EP.1212Beg)	9:30 AM	10:15 AM
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<i>Professor Rounds: Session #1</i> (5PS.1647)	9:30 AM	10:15 AM
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<i>Project Test West</i> (5PP.876)	9:30 AM	10:15 AM
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<i>Quality Improvement Training in Ambulatory Care</i> (5PP.265Adv)	9:30 AM	10:15 AM
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<i>State of the Evidence (Part 4)</i> (5PP.961Int)	9:30 AM	10:15 AM
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<i>Threshold Concepts and Troublesome Knowledge</i> (5PP.375Adv)	9:30 AM	10:15 AM
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<i>Traumatic Death</i> (5PP.918Adv)	9:30 AM	10:15 AM
<i>Virtual Patient Pilot Program for Pharmacy</i> (5PP.146Int)	9:30 AM	10:15 AM
Morning Educational Session - 90 minutes		
<i>Avoiding Ho Hum Humdrums and Doldrum</i> (5WS.1083Int)	9:30 AM	11:00 AM
<i>Behind the Sim Curtain</i> (5WS.400Int)	9:30 AM	11:00 AM
<i>Building a Better Scenario</i> (5WS.560Int)	9:30 AM	11:00 AM
<i>Casualty Simulation Moulage</i> (5WS.917Adv)	9:30 AM	11:00 AM
<i>Creating Awareness Around CRM Principles</i> (5WS.SDCC 30Beg)	9:30 AM	11:00 AM
<i>Developing and Enhancing</i> <i>Bootcamp/Newbie Courses</i> (5WS.315Int)	9:30 AM	11:00 AM
<i>From Bleeding to Blacklights</i> (5WS.178Adv)	9:30 AM	11:00 AM
<i>Glossary Development for Spanish Terms</i> (5WS.489Int)	9:30 AM	11:00 AM
<i>Improving Debriefing: Peer Observation</i> <i>and Feedback</i> (5WS.674Adv)	9:30 AM	11:00 AM
<i>Incorporating Simulation into Mechanical</i> <i>Ventilation</i> (5WS.1110Adv)	9:30 AM	11:00 AM
<i>Iron Sim</i> (5PL.1632)	9:30 AM	11:00 AM
<i>Maximizing the Power of Simulation</i> (5WS.690Int)	9:30 AM	11:00 AM
<i>Medical Simulation 2.0: Advanced Modeling</i> (5WS.1546Adv)	9:30 AM	11:00 AM
<i>Meet the Sim Consultants</i> (5EP.1635)	9:30 AM	11:00 AM
<i>Simulation Interoperability</i> (5EP.1645)	9:30 AM	11:00 AM
<i>Systems-based Practice Core Competency</i> (5WS.645Int)	9:30 AM	11:00 AM
<i>Utilizing a Modified, Guided Team</i> <i>Debriefing</i> (5WS.795Int)	9:30 AM	11:00 AM

<i>Virtual Reality on Flat Screens</i> (5EP.1650)	9:30 AM	11:00 AM
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Morning Educational Session - 45 minutes

<i>Advanced Clinical Sim/QSEN Competencies</i> (5PP.381Int)	10:30 AM	11:15 AM
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<i>Assessing Reflective Learning</i> (5PP.601Beg)	10:30 AM	11:15 AM
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<i>Bringing Pedagogy/Information Literacy to Sim Design</i> (5EP.662Int)	10:30 AM	11:15 AM
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<i>Developing Anticipated Concerns and Initial Priorities</i> (5PP.1235)	10:30 AM	11:15 AM
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<i>Ethical Complexities: Pediatric Organ Donation</i> (5PP.1656)	10:30 AM	11:15 AM
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<i>Message from the Morgue</i> (5PP.1143Int)	10:30 AM	11:15 AM
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<i>Non-Clinician vs. Clinician Debate</i> (5RT.431Int)	10:30 AM	11:15 AM
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<i>Open Heart Surgery: All Pumped Up in the ICU</i> (5PP.1405Adv)	10:30 AM	11:15 AM
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<i>Professor Rounds - Session #2</i> (5PS.1648)	10:30 AM	11:15 AM
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<i>Testpilot Kosovo: Nationwide Neonatal Transport System</i> (5PP.1363Beg)	10:30 AM	11:15 AM
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<i>Using Simulation to Providing IPE</i> (5EP.613Beg)	10:30 AM	11:15 AM
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<i>Using Theory in IPE</i> (5PP.355Adv)	10:30 AM	11:15 AM
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<i>What You Need to Think About: VR Surgical Simulator</i> (5PP.210Int)	10:30 AM	11:15 AM
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Early Afternoon Educational Session - 45 minutes

<i>Can Simulation Replace Clinical Training on Patients?</i> (5RT.991Adv)	1:00 PM	1:45 PM
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<i>Creating a Mechanically Ventilated Patient</i> (5EP.316Int)	1:00 PM	1:45 PM
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<i>Department of Defense</i> (5EP.1667Int)	1:00 PM	1:45 PM
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<i>Discovering Best Practices and Pitfalls</i> (5PP.175Adv)	1:00 PM	1:45 PM
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<i>Experts Sharing Infrastructure (Part 2)</i> (5RT.1481Int)	1:00 PM	1:45 PM
<i>Hockey Lines</i> (5PP.1054Int)	1:00 PM	1:45 PM
<i>Improving Team Emotional Intelligence</i> (5PP.32Int)	1:00 PM	1:45 PM
<i>Inter-institutional Health Education Partnership</i> (5PP.1237)	1:00 PM	1:45 PM
<i>Military Preparedness in a Civilian Sim Center</i> (5EP.328Int)	1:00 PM	1:45 PM
<i>Oral Presentations: Physical Settings</i> (5RT.1661Int)	1:00 PM	1:45 PM
<i>Simulation Research: State of the Science Update</i> (5EP.1460Adv)	1:00 PM	1:45 PM
<i>Simulation Using Quality Standards</i> (5PP.359Adv)	1:00 PM	1:45 PM
<i>State of the Evidence (Part 5)</i> (5PP.965Adv)	1:00 PM	1:45 PM
<i>Virtual Environment for Nurse/Med Student Training</i> (5PP.246Int)	1:00 PM	1:45 PM
Early Afternoon Educational Session - 90 minutes		
<i>Actor Training Techniques</i> (5WS.759Adv)	1:00 PM	2:30 PM
<i>Becoming an Endorsed ASA Center</i> (5WS.181Int)	1:00 PM	2:30 PM
<i>Combining Simulation with Interactive Techniques</i> (5WS.1313Adv)	1:00 PM	2:30 PM
<i>Competency-based Selection and Training of Sim Techs</i> (5EP.1615)	1:00 PM	2:30 PM
<i>Debriefing Olympics</i> (5WS.1488)	1:00 PM	2:30 PM
<i>Exploring Models of Developing Faculty</i> (5WS.468Adv)	1:00 PM	2:30 PM
<i>It Does Not Take a Laxative!</i> (5WS.938Adv)	1:00 PM	2:30 PM
<i>Lean Approaches to Debriefing</i> (5WS.1049Adv)	1:00 PM	2:30 PM

<i>Moulage for Dummies</i> (5WS.105Int)	1:00 PM	2:30 PM
<i>Place for the Case</i> (5WS.1138Int)	1:00 PM	2:30 PM
<i>Role of the Healthcare Team: Pharmacology</i> (5WS.1472Beg)	1:00 PM	2:30 PM
<i>Scripted Debriefing</i> (5WS.158Int)	1:00 PM	2:30 PM
<i>State of the Art and Challenges: Materials Engineering</i> (5EP.1621)	1:00 PM	2:30 PM
<i>Teaching Medical Error Disclosure/Apology</i> (5WS.153Int)	1:00 PM	2:30 PM
<i>Translating Ideas into Action</i> (5WS.1173Int)	1:00 PM	2:30 PM
Early Afternoon Educational Session - 45 minutes		
<i>Applying Principles of Systems Integration</i> (5PP.1379Adv)	2:00 PM	2:45 PM
<i>Critical Care Air Transport Teams (CCATT)</i> (5PP.716Adv)	2:00 PM	2:45 PM
<i>Effects on Patient Outcome: Resuscitation of a Sick Child</i> (5PP.1039Int)	2:00 PM	2:45 PM
<i>Getting a Head Start</i> (5PP.982Int)	2:00 PM	2:45 PM
<i>How the Department of Defense is Advancing the Field</i> (5EP.1654)	2:00 PM	2:45 PM
<i>Keeping it Real</i> (5EP.2Int)	2:00 PM	2:45 PM
<i>Modeling Physiological Processes</i> (5PP.1425Adv)	2:00 PM	2:45 PM
<i>NLN's Project on High Stakes Assessment: Phase 2 Report</i> (5PP.600Adv)	2:00 PM	2:45 PM
<i>Oral Presentations: Physical Settings</i> (5RT.1662Int)	2:00 PM	2:45 PM
<i>SSH Accreditation: How I Did It!</i> (5EP.767Int)	2:00 PM	2:45 PM
<i>To Die or Not to Die?</i> (5RT.1479Int)	2:00 PM	2:45 PM
<i>Video 101 for Simulation</i> (5PP.585Beg)	2:00 PM	2:45 PM

Late Afternoon Educational Session - 45 minutes

<i>Experts Sharing Infrastructure (Part 3)</i> (5RT.1482Adv)	3:00 PM	3:45 PM
<i>Getting Data Out of Your Simulators</i> (5PP.638Adv)	3:00 PM	3:45 PM
<i>Hospital-Based Programs</i> (5RT.1113Adv)	3:00 PM	3:45 PM
<i>Linebacker Stan</i> (5PP.380Int)	3:00 PM	3:45 PM
<i>Low-Tech Surgical Training for Residents</i> (5PP.351Beg)	3:00 PM	3:45 PM
<i>Meet the IMSH Scientific Abstract Review Committee</i> (5RT.1614Adv)	3:00 PM	3:45 PM
<i>Oral Presentations: Social and Team Issues</i> (5RT.1663Int)	3:00 PM	3:45 PM
<i>Patient Welfare First</i> (5PP.630Int)	3:00 PM	3:45 PM
<i>Performance Evaluation</i> (5PP.82Adv)	3:00 PM	3:45 PM
<i>State of the Evidence (Part 6)</i> (5PP.199Adv)	3:00 PM	3:45 PM
<i>Streamlining Daily Operations</i> (5EP.16SDCC 22)	3:00 PM	3:45 PM
<i>Taking Realism up a Notch</i> (5PP.1149Int)	3:00 PM	3:45 PM
<i>The Five S's of Simulation</i> (5EP.9SDCC 33Beg)	3:00 PM	3:45 PM
<i>Using Simulation to Finalize Design</i> (5PP.1284Adv)	3:00 PM	3:45 PM

Late Afternoon Educational Session - 90 minutes

<i>Applying the Change Acceleration Process</i> (5WS.9SDCC 31Adv)	3:00 PM	4:30 PM
<i>Assessment of Team Performance</i> (5WS.750Int)	3:00 PM	4:30 PM
<i>Death by Debriefing</i> (5WS.676Adv)	3:00 PM	4:30 PM
<i>IMSH Certified Healthcare Simulation</i>	3:00 PM	4:30 PM

Educator (5WS.1376Adv)

<i>Innovations in Equipment Development</i> (5WS.446Int)	3:00 PM	4:30 PM
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<i>Moving Pharmacology Class to the Bedside</i> (5WS.1473Adv)	3:00 PM	4:30 PM
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<i>Not All Simulation is Resuscitation</i> (5WS.770Int)	3:00 PM	4:30 PM
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<i>Simulation Using Virtual Reality</i> (5WS.1SDCC 2SDCC 29Adv)	3:00 PM	4:30 PM
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<i>Simwars!</i> (5PS.1630)	3:00 PM	4:30 PM
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<i>SSH-NLN Symposium: A Summary Report</i> (5EP.1642)	3:00 PM	4:30 PM
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<i>Technical Competencies for Sim Techs</i> (5WS.1646)	3:00 PM	4:30 PM
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<i>The Simulation Theater</i> (5WS.805Int)	3:00 PM	4:30 PM
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<i>Use of ARS for Training</i> (5WS.14SDCC 20Adv)	3:00 PM	4:30 PM
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<i>Utilizing Social Networking/Web 2.0 Tools</i> (5WS.5SDCC 22Beg)	3:00 PM	4:30 PM
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Late Afternoon Educational Session - 45 minutes

<i>Designing Sensitive Simulations</i> (5PP.1SDCC 221Int)	4:00 PM	4:45 PM
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<i>Expanding the Critical Lens of Assessment</i> (5PP.Hilton 308Adv)	4:00 PM	4:45 PM
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<i>Growing our own Staff</i> (5PP.576Int)	4:00 PM	4:45 PM
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<i>Implementation of Sim into Annual Performance/ Competency Eval</i> (5PP.209Adv)	4:00 PM	4:45 PM
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<i>Is My Facility What I Expected?</i> (5PP.812Int)	4:00 PM	4:45 PM
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<i>Lots of Learning</i> (5EP.276Adv)	4:00 PM	4:45 PM
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<i>Milestones of Oman Medical Sim Center</i> (5PP.1531Int)	4:00 PM	4:45 PM
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<i>Oral Presentations: Social and Team Issues</i> (5RT.1664Int)	4:00 PM	4:45 PM
<i>Reflections on a Week: Johnson Space Center</i> (5PP.157Adv)	4:00 PM	4:45 PM
<i>Rolls Royce or Pumpkin Coach?</i> (5RT.1418Adv)	4:00 PM	4:45 PM
<i>Using Media</i> (5PP.1477Int)	4:00 PM	4:45 PM

Wednesday**February 1, 2012**

<i>Avatar-Based PTSD/Resiliency Training</i> (6PP.1041)	8:00 AM	8:45 AM
<i>Challenges in AV Technology</i> (6EP.1620)	8:00 AM	8:45 AM
<i>Competencies/Taxonomies/PD's/Pay Scales</i> (6EP.1653Adv)	8:00 AM	8:45 AM
<i>Curricular Innovations: Practice to Ivory Tower</i> (6PP.1336Int)	8:00 AM	8:45 AM
<i>End of Life Therapeutic Communication and Care</i> (6EP.1241Beg)	8:00 AM	8:45 AM
<i>From Hilton 500 to Hilton 5000 Square Feet</i> (6EP.537Beg)	8:00 AM	8:45 AM
<i>INACSL Standards for Best Practice</i> (6PP.476Int)	8:00 AM	8:45 AM
<i>It's All Simulation</i> (6EP.1210Beg)	8:00 AM	8:45 AM
<i>Lessons Learned from Multidisciplinary Team Training</i> (6PP.244Adv)	8:00 AM	8:45 AM
<i>Oral Presentations: Training, Education and Assessment</i> (6RT.1665Int)	8:00 AM	8:45 AM
<i>Should EMS Be Required to Utilize Simulation?</i> (6RT.714Int)	8:00 AM	8:45 AM
<i>Using Simulation to Facilitate Transition</i> (6RT.651Int)	8:00 AM	8:45 AM
<i>Why Not Ask the Family?</i> (6PP.26Adv)	8:00 AM	8:45 AM

Morning Educational Session - 90 minutes

<i>Debriefing as Formative Assessment</i> (6WS.787Int)	8:00 AM	9:30 AM
<i>Debriefing Olympics</i> (6WS.1492)	8:00 AM	9:30 AM

<i>Designing the Sim Center of the Future</i> (6WS.1343Adv)	8:00 AM	9:30 AM
<i>Difficult Patient Cases</i> (6WS.1483Adv)	8:00 AM	9:30 AM
<i>Efficiency and Quality Assurance: Getting SP's to Training</i> (6WS.1533Int)	8:00 AM	9:30 AM
<i>Exploring your Senses</i> (6WS.1073Adv)	8:00 AM	9:30 AM
<i>Goal Directed Learning</i> (6WS.1445Int)	8:00 AM	9:30 AM
<i>How to Apply for Certification</i> (6WS.488Int)	8:00 AM	9:30 AM
<i>Implementing Observational Rating Systems</i> (6WS.409Int)	8:00 AM	9:30 AM
<i>Interprofessional Team Training: Professionalism</i> (6WS.121Int)	8:00 AM	9:30 AM
<i>Iron Sim</i> (6PL.1633)	8:00 AM	9:30 AM
<i>Making IPE Simulation Work</i> (6EP.340Beg)	8:00 AM	9:30 AM
<i>Preventing Tragic Outcomes</i> (6WS.857Adv)	8:00 AM	9:30 AM
<i>Situation Awareness</i> (6WS.234Adv)	8:00 AM	9:30 AM
Morning Educational Session - 45 minutes		
<i>Adventures in Hospital-based Simulation</i> (6EP.1314Int)	9:00 AM	9:45 AM
<i>Do We Need High-Fidelity?</i> (6RT.1127Int)	9:00 AM	9:45 AM
<i>Educational Theory and Simulation</i> (6PP.1139Adv)	9:00 AM	9:45 AM
<i>Engineering Innovation for Simulation</i> (6EP.1668Int)	9:00 AM	9:45 AM
<i>Mobile Simulation</i> (6PP.1097)	9:00 AM	9:45 AM
<i>Oral Presentations: Training, Education and Assessment</i> (6RT.1666Int)	9:00 AM	9:45 AM
<i>Perinatal Critical Events Team Training</i> (6PP.1406Adv)	9:00 AM	9:45 AM

<i>Simulation Technology: Innovation</i> (6EP.1652)	9:00 AM	9:45 AM
<i>Translation and Beyond</i> (6EP.399Int)	9:00 AM	9:45 AM
<i>Using Sim in a Team/Code Blue Curriculum</i> (6PP.24Beg)	9:00 AM	9:45 AM
<i>Using Sim to Improve Sepsis Patient Outcome</i> (6PP.197Adv)	9:00 AM	9:45 AM

Plenary Session

<i>The Paradoxical Nature of Expertise: The Good, the Bad and the Ugly</i> (6PS.1627)	10:00 AM	11:00 AM
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Closing Session

Reportable Outcomes

- 275 Peer-reviewed abstracts presented at the 2012 IMSH conference and published in the Journal in December, 2011.
- 73 Peer-reviewed workshop presentations in interactive format
- 4 keynote presentations
- Pre-conference workshops, Research Expert Panel Presentations, Podium Presentations and immersive simulation experiences completed the 350 sessions offered to over 3100 attendees
- Keynotes and selected panel presentations will be made available to members on the Society's website www.ssih.org

Conclusion

As a result of this project, the current research being conducted by those in the simulation in healthcare field was disseminated to over 3100 individuals and further distribution of this information will be available in the public domain through the Society's journal publisher and the Society's website.

References

None

Military Simulation Gallery

IMSH 2012 offered an added military benefit. Working closely with key agencies in the US Department of Defense, the Society and 2012 IMSH Planning Committee hosted the first joint governmental agency and military exhibit for IMSH.

Major exhibits included:

- Air Force Medical Air Transport trainer; and
- Wide Area Virtual Environment (WAVE) from the Federal Medical Simulation Training Consortium. The WAVE is an immersive virtual reality theater integrating virtual reality with live actors, human patient simulators, and part task trainers.
- Two 15-minute demonstrations held daily followed by a Q&A session.

The Military Simulation Gallery also included one Veterans Administration Research program exhibit, and many exhibits provided from the US Army Medical Research & Materiel Command's Telemedicine and Advance Technology Research Center (TATRC). These projects are funded through a number of sources, including Congressional Special Interest, Small Business Innovative Research, and the new DOD's Defense Health Program (DHP) managed through a new group called the Joint Program Committee 1 (JPC1) at Ft. Detrick, MD). The exhibit featured more than a dozen research projects, including:

- Enabling Technologies such as a 1900x1200 head-mounted, full color, 3D display
- PC-based "serious games"
- Chemical, biological, radiological, nuclear and explosives
- Higher-order decision-making skills for Combat Medics
- Ultrasound
- Nurse Education
- "Augmented Reality"
- "Part-Task Trainers" (allowing use of real surgical instruments on synthetic part-task mannequins)
- Common Platform Workstation (featuring haptics and virtual reality that hosts multiple surgical procedures)

These exhibits were designed to provide an opportunity for IMSH attendees to:

- engage in and with defense modeling and simulation systems and new technology;
- talk with both defense users and researchers to provide feedback on their exhibits; and
- gain insight into current and future tools and resources that can be adopted and adapted to civilian setting.

APPENDIX 1

Faculty List – IMSH 2012

A

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Appendix 2

IMSH 2012 Master Educational Course Listing

Saturday, January 28, 2012

8:00 AM to 12:00 PM 4.0 Contact Hours

Art of Scenario Development for Simulation-based Testing

Room: Indigo A

2PC.1084Adv

Pre-Conference Course

Course Overview: Simulation-based testing (SBT) is increasingly employed in medical education for admission, certification and licensing exams. Designing a good scenario for SBT is different from designing a scenario for training, because an SBT should meet psychometric standards. The aim of the workshop is to teach principles and methods of designing a scenario for SBT based on experience gained by MSR, the Israel Center for Medical Simulation and Israel's National Institute for Testing and Evaluation.

Course Director: Orit Eisenberg, PhD

Faculty: Orna Divon-Ophir, MA, CCRN, CNM, IBCLC; Doron Sagi, MA; Orit Eisenberg, PhD; Amitai Ziv, MD, MHA; Haim Berkenstadt, MD; Rina Sela, MA, CCRN; Galit Grabler, RN

Designing and Developing Instruction Manuals for Your Simulation Center

Room: 202A/B

2PC.582Beg

Pre-Conference Course

Course Overview: This interactive workshop will allow participants to utilize assembly tasks as a mechanism to develop simulator set-up and operation manuals. Instruction on the need for standards and on the writing of procedures will be given. Participants will work in small groups to develop a step-by-step set of procedures. The course will conclude with instruction on the testing and validation of simulator manuals. Attendees should bring a laptop and cellphone camera.

Course Director: Robert Smillie, PhD, CPE

Faculty: Robert Smillie, PhD, CPE; Mark Schleicher; John Rice, BS, MS, PhDc, PhDc

Developing a Deteriorating Patient Program for Med-Surg Nurses: A Precursor to Rapid Response or Code Teams

Room: 300

2PC.1441Beg

Pre-Conference Course

Course Overview: Many organizations provide Rapid Response or Code Team simulations, but what happens when a patient's condition is deteriorating? This workshop provides participants with curriculum ideas, planning documents, facilitation strategies, moulage techniques, tips and lessons learned. Participants will work in a small group to create and facilitate a scenario that reflects subtle changes instead of a crashing patient. Participants will receive feedback on their scenario design, facilitation, and debriefing.

Course Director: *Gail Johnson, MS, BSN*

Faculty: *Stacy Chew, MS, RN, OCN; Krista Kipper, BSN, RN; Hans Lamkin; Gail Johnson, MS, BSN*

"E-hance" Your Sim Training: How to Develop E-Learning Content for Simulation Pre-Learning and Assessment

Room: Indigo D

2PC.919Int

Pre-Conference Course

Course Overview: Pre-learning modules completed prior to simulation activities help equip participants with necessary knowledge and skills to attain desired learning objectives. Development of these modules in an electronic, web-based format allows increased interaction, embedded multimedia, real-time feedback and asynchronous learning. Participants will participate in the step-by-step development through the processes of content development, creation, and web publication using commercially available software applications. Those with laptops will be encouraged to follow along using their own computers.

Course Director: *Steve Vance, MD*

Faculty: *Peggy Ursuy, RN, MSN, MA; Christian Jacobus, MD, FACEP; Steve Vance, MD; David Lock, MD*

Feedback and Debriefing in Simulation-based Education

Room: 308

2PC.412Int

Pre-Conference Course

Course Overview: Educators have long recognized the importance of debriefing as the essential driver in experiential learning contexts. Proficiency in this important skill, however, often remains elusive. Effective post-simulation debriefings integrate critical performance feedback, promote reflective practice, and augment future performance. By providing feedback based on observable performance gaps and using specific communication strategies to elicit the invisible drivers that underlie them, simulation-based educators can target instruction to demonstrated learning needs in a variety of domains.

Course Director: *Walter Eppich, MD, MEd*

Faculty: *Vincent Grant, MD, FRCPC; Mark Adler, MD; Elaine Sigalet, MN, BSN; Elizabeth Hunt, MD, MPH, PhD; Adam Cheng, MD, FRCPC, FAAP; Bonnie Mobley, BSN; Walter Eppich, MD, MEd*

Immediate Stroke Life Support (ISLS): A Mixed Modality International Simulation Curriculum

Room: 204A/B

2PC.365Adv

Pre-Conference Course

Course Overview: Immediate Stroke Life Support (ISLS) is a curriculum for evaluation and management of acute stroke syndromes. ISLS was developed at Toyama University in Japan. The course incorporates role play, clinical maps, and mannequin simulation modalities. ISLS has undergone a collaborative iterative process from Japanese to enable English language / North American student participation. ISLS complements the neurological skills and knowledge which are essential to cerebral resuscitation and lacking in BLS and ACLS.

Course Director: Benjamin Berg, MD

Faculty: Takehiro Nakamura, MD, PhD; Hisato Ikeda, MD; Yasuhiko Ajimi, MD, PhD; Hiroshi Okudera, PhD, MD; Benjamin Berg, MD

Research, Where Do I Start?

Room: Indigo 500

2PC.218Beg

Pre-Conference Course

Course Overview: *Research, Where Do I Start?* is designed to help inexperienced educational investigators acquire basic knowledge and skills in conducting educational research. Course objectives and operations occupy three phases: 1) stating quantitative and qualitative research questions; 2) features of a sound educational research project; and 3) preparing research reports. Presentations and short lectures will be accompanied by individual and small group, hands on work. Participants will produce a detailed research project proposal.

Course Director: William McGaghie, PhD

Faculty: Jeffrey Groom, PhD; Viva Jo Siddall, MS, MS, RRT; William McGaghie, PhD

Simulation SOS: Mastering Debriefing Under Difficult Circumstances

Room: 304

2PC.1111Adv

Pre-Conference Course

Course Overview: The course will begin by reviewing the elements of a successful debriefing and strategies to optimize debriefings when dealing with difficult participants. We will discuss the utility of simulator death and how to effectively utilize actors during debriefings. In small groups, participants will watch and critique a videotaped debriefing. They will also watch a videotaped scenario and conduct the debriefing themselves. The final exercise will be participation in and debriefing of an actual scenario.

Course Director: Tara Lang, MD

Faculty: Tiffany Pendergrass, RN, BSN; Tom LeMaster, MSN, MEd, NREMT-P; Peter Smith, RRT-NPS; Tara Lang, MD; Elizabeth Wetzel, MD

Simulation to Assess Competence: What Do the Scores Really Mean?

Room: Indigo B/F

2PC.72Int

Pre-Conference Course

Course Overview: This pre-conference course will apply a framework initially reported by Kane to serve as a basis for study. The four components applied to simulation-based assessment provide a method to answer the question, "What do the scores really mean?" Questions related to the design and construct of scenarios will be addressed. Assessing the reliability of participant scores, making inferences about those scores and using the scores to make decisions about ability will also be covered.

Course Director: John (Jack) Boulet, PhD

Faculty: John (Jack) Boulet, PhD; David Murray, MD

Speed Dating: Polishing Your Research Idea into a Protocol

Room: 306B

2PC.1238Adv

Pre-Conference Course

Course Overview: The ability to conduct high quality relevant simulation-based research is a difficult task for novice and early advanced researchers. The goal of this session is to improve research with repeated exposure and practice to create and foster robust extramural opportunities for mentorship, and resource identification. The format for this workshop will borrow from speed dating practices. Participants will try to convince expert panelists of the attractiveness of their research idea through repeated performance.

Course Director: Chris Kennedy, MD

Faculty: Chris Kennedy, MD; Marc Auerbach, MD, MSCI; David Kessler, MD, MS; Serkan Toy, PhD

Teamwork Training in Disguise: The First 4 Minutes

Room: Indigo C/G

2PC.44Adv

Pre-Conference Course

Course Overview: The First 4 Minutes (FFM) is a teamwork concept built on the assumption that the most fundamental components of good teamwork are communication and clinical skills. This workshop will delve into teamwork theory, providing the opportunity for participants to trial their own teamwork exercise based on FFM concepts: important healthcare event; people must work together; defined goal; specific endpoints; repeated drills; and, outcomes compared for improvement. Create something you can take home and use right away!

Course Director: Elizabeth Sinz, MD

Faculty: Elizabeth Sinz, MD; Margaret Wojnar, MD; Sally Rudy, MSN, RN; Dan Galvan, MD, FACS

Saturday, January 28, 2012

1:00 PM to 5:00 PM 4.0 Contact Hours

Developing A Simulation Program

Room: Indigo B/F

2PC.335Int

Pre-conference Course

Course Overview: Developing a Simulation Program is a four-hour intensive, interactive course focused on the core concepts of simulation program development. Faculty will guide participants through a number of exercises designed to reinforce business, facility and equipment planning processes. Participants will be expected to develop and present their collective work from the exercises, and faculty will supplement the instruction with their experience and understanding of best practice.

Course Director: Michael Seropian, MD, FRCPC

Faculty: Michael Seropian, MD, FRCPC; Brian Brost, MD; Bonnie Driggers, RN, MS, MPA

Developing Interprofessional Immersive Patient Care Management Scenarios

Room: 300

2PC.583Int

Pre-conference Course

Course Overview: In this hands-on session, the faculty will lead participants through the process of developing interprofessional education scenarios used at the University at Buffalo's Behling Simulation Center, a leader in the use of immersive patient care management simulation for interprofessional education. Integration with accreditation core competencies is also discussed. Participants will walk away from the course with several completed scenarios they will be able to use when they return to their organization.

Course Director: Jeff Myers, DO, EdM

Faculty: William Erdley, MS, BSN, RN; Jeff Myers, DO, EdM; Karen Panzarella, PT, MSc, PhD; William Sticht, BS; Jane Kleinman, RN, MAOM

Developing Simulation-based Stations for OSCEs (Objective Structured Clinical Examinations)

Room: Indigo E

2PC.587Int

Pre-conference Course

Course Overview: This course will actively engage participants in detailed discussion of the steps required to design and implement OSCE stations that employ simulations (mannequins and task trainers). Considerations will include development of scoring instruments (checklists and rating scales) for use in these assessments. Participants will plan and actually run a small-scale mock OSCE, giving them practical, hands-on experience with these testing methods, which they can then use to implement simulation-based OSCE stations at their home institutions.

Course Director: Ross Scalese, MD

Faculty: Hector Rivera, MD; Hyun Soo Chung, MD, PhD; Ivette Motola, MD, MPH, FACEP; Ross Scalese, MD; Luke Devine, MD, FRCPC; Al Brotons, EMT-P

Fundamentals of Integrating Standardized Patients (SP's) into Nursing Curriculum

Room: 202A/B

2PC.357Beg

Pre-conference Course

Course Overview: Standardized Patients (SPs) are lay people trained to portray persons with medical illnesses or concerns, presenting the same problem to each examiner in a predictable and consistent manner. Traditionally used throughout medical school curricula, this learning model has now been successfully incorporated into advanced practice and entry level nursing courses. This pre-conference course will provide an overview of the many applications for SP's throughout a nursing program, providing examples for integration.

Course Director: Susan Bonnell, PhD, APRN, CPNP

Faculty: Diane Apple; Susie Hutchins, DNP, RN, CNE; Susan Bonnell, PhD, APRN, CPNP; Karen Macauley, DNP; Kathleen Sweeney, DNP, CPNP

Interprofessional Collaboration Through Scenario Design

Room: Indigo D

2PC.1451Int

Pre-conference Course

Course Overview: Presenters will guide participants in developing an interprofessional scenario involving anaphylaxis: 1) determining learning objectives for each discipline based on peer-reviewed resources; 2) linking the objectives to both general and profession-specific competencies; 3) developing scenario flow to achieve these learning objectives; and 4) creating an assessment tool. Groups will present their scenario ideas and discuss what they have learned. This will be followed by a discussion on how to manage interprofessional debriefing.

Course Director: Suzanne Escudier, MD

Faculty: Suzanne Escudier, MD; Bettina Schmitz, MD, PhD, DEAA; Christiane Vogt-Harenkamp, MD, PhD; Melinda Steele, MEd, CCMEP, FACME; Sandra Caballero, RN, MSN; Mercedes Day, RN, MSN

Measuring What you Want: An Introduction to Challenges in Developing Checklists

Room: Indigo A

2PC.921Beg

Pre-conference Course

Course Overview: Measuring parameters of performance in simulated settings is fundamental to any encounter. Construction of valid and reliable measurement tools is challenging. This session will focus on foundational skills related to checklist [rating tool] construction. Key features to be addressed include selection of content, types of rating scales, training raters on use of the tool, and recognition of factors contributing to measurement error. Participants will learn and apply skills for checklist development and implementation.

Course Director: Karen Szauter, MD

Faculty: Karen Szauter, MD; Deborah Simpson, PhD; Ronald Levy, MD

Moulage Mystique: Outrageous Tricks and Amazing Tools to Create Simulation Reality!

Room: Indigo H

2PC.914Adv

Pre-conference Course

Course Overview: This workshop will immediately engage participants with the power of costumes, make-up and moulage. Participants will create moulage projects with the materials provided. New materials and methods will be presented that add versatility to moulage productions and educational projects. This presentation will be enlightening, educational and interactive as participants learn to create moulage for simulation scenarios.

Course Director: *Becky Damazo, RN, PNP, MSN*

Faculty: *Becky Damazo, RN, PNP, MSN; Sherry Fox, PhD, RN; Betsy Voelker, AA*

Patient-focused Simulation: Training Simulated Patients for Procedural Skills Scenarios

Room: 206

2PC.401Int

Pre-conference Course

Course Overview: In this course, the concept of Patient Focused Simulations (PFS) will be examined. These are scenario-based encounters in which simulated patients (SPs) (actors) are linked seamlessly with procedural simulators to support the teaching and learning of procedural skills. The process of scenario development and the training of SPs for role portrayal will be covered. This workshop is targeted to those who teach and assess procedural skills and work with SPs.

Course Director: *Debra Nestel, PhD*

Faculty: *Jessica Tang, BA (hons), MSc, PhD; Debra Nestel, PhD; Carine Layat Burn, PhD*

Patient Satisfaction: Very Good Experiences Don't Just Happen? A Team Approach to Critical Communication

Room: 204A/B

2PC.507Adv

Pre-conference Course

Course Overview: This course offers a task-based, algorithmic approach to teaching multidisciplinary teams critical communication skills necessary for managing daily patient interactions. The foundation of the simulation-based curriculum is a five-step structured patient encounter created to optimize the patient experience. Conflict management, negotiating, and service recovery complete the structure. Participants will have an opportunity to design and stage scenarios with standardized patients to teach this core service content.

Course Director: *Lynn A. Sweeney, MD*

Faculty: *John Foggie, MD, MBA; Andrew Sucov, MD; Linda Dykstra, RN; Lynn A. Sweeney, MD; Adam Rojek, RN*

Structured Debriefing: Scalable, Teachable, and Testable

Room: 308

2PC.808Int

Pre-conference Course

Course Overview: This session will review and provide practice in structured debriefing methods. Debriefing has been identified as key to simulation-based healthcare education. However, little practical advice has been published on how to debrief, teaching debriefing methods, preparing learners for a debriefing session, employing alternative methods as needed or the relative effectiveness of alternatives in supporting learning objectives. This course highlights structured debriefing approaches developed concurrently at two internationally prominent simulation facilities.

Course Director: John O'Donnell, CRNA, MSN, DrPH

Faculty: John O'Donnell, CRNA, MSN, DrPH; Joseph Goode, Jr, MSN, CRNA; Liat Pessach; Amitai Ziv, MD, MHA; Paul Phrampus, MD, FACEP; David Rodgers, EdD, NREMT-P

Systems Integration: A Course in Concepts and Applications for Programs Seeking Accreditation

Room: Indigo 310

2PC.1478Adv

Pre-conference Course

Course Overview: Presenters will guide the participants in: 1) The definitions and concepts of systems Integration; 2) Concepts to re-engineering healthcare via medical simulation tools; 3) Practical insights into projects pertaining to systems Integration.

Course Director: William Dunn, MD, FCCM, FCCP

Faculty: Yue Dong, MD; William Dunn, MD, FCCM, FCCP; Kathleen Gallo, PhD, MBA, RN; Victoria Brazil; Juli Maxworthy, DNPc, MSN, MBA

You've Got Simulators, Staff and Runs on the Board. Where to Next? Practical Solutions to Build Sustainable Simulation Programs

Room: 304

2PC.1048Adv

Pre-conference Course

Course Overview: Two years have passed since your simulation program was developed. What does it take to build in real sustainability? This session will provide practical solutions to this key issue and tackle common problems encountered by established programs. Participants will examine the necessary ingredients required to maintain a sustainable and thriving future, referencing important underpinnings in organizational and business theory. Key areas, including value creation, political management, and operational capacity will be examined.

Course Director: Katie Walker, RN, RM

Faculty: Michael Seropian, MD, FRCPC; Katie Walker, RN, RM; Cate McIntosh, MD, FANZCA

Sunday, January 29, 2012

7:30 AM to 9:30 AM 2.0 Contact Hours

Advanced Data Analysis and Reporting of Simulation Program Activities

Room: 202A/B

3PC.435Adv

Pre-Conference Course

Course Overview: Collecting, analyzing, and reporting data regarding simulation program use is an important administrative skill. This facilitated session will utilize an Excel spreadsheet where various center activities will be pre-populated. The group will then utilize this data to develop methods of presenting data in various ways. The learner will be expected to have a working knowledge of Excel spreadsheets and are asked to bring a laptop with Excel capabilities.

Course Director: Sandra Feaster, RN, MS, MBA

Faculty: Sandra Feaster, RN, MS, MBA; John Shatzer, PhD; John Lutz, BS; Troy Reihsen

Difficult Conversations Curriculum for Obstetrics & Neonatology

Room: Indigo C/G

3PC.1299Int

Pre-Conference Course

Course Overview: Neonatologists and obstetricians are the medical providers that deal with perinatal deaths. They regularly engage families in difficult conversations about therapeutic choices at the limits of viability, comfort care and devastating long-term outcomes. Traditional methods for training residents and fellows for delivering such news are less effective than using simulation-based strategies with standardized patients. This course will review program development, evidence-based communication strategies, and engage participants with hands-on practice delivering difficult news.

Course Director: Robin Shields, RNC

Faculty: James O'Brien; Jesse Bender, MD; Robin Shields, RNC; Karen Kennally, RN, BSN

Integrating Simulation into Curriculum

Room: 308

3PC.182Int

Pre-Conference Course

Course Overview: Simulation is a learning platform on which aspects of clinical experience can be provided or augmented. Because of its safe environment and focus on learning, many hospitals and medical schools have now invested substantially in simulation technology, but may not have developed integrated, strategically planned simulation curricula. Furthermore, the American College of Graduate Medical Education (ACGME) now mandates simulation for certain specialties. During this workshop, practical and philosophical aspects of simulation curricula will be discussed, from creation, to delivery, to results.

Course Director: Christine Park, MD

Faculty: Christine Park, MD; Manuel Pardo, MD; William McIvor, MD; Jane Easdown, MD

It's Time to Fly: Using Process of Care Scenarios in Nursing Education

Room: 304
3PC.949Int
Pre-Conference Course

Course Overview: Come fly together as nursing educators present an interactive, multi-media experience about the development, utilization, and benefits of process of care scenario experiences lasting up to three hours. Participants will select the topics they want to explore. This course is designed for nursing education professionals in both academic and service settings who would like additional information to advance simulation in their institution.

Course Director: Terri Jenkins, RN, MSN

Faculty: Carolyn Cason, PhD, RN; Terri Jenkins, RN, MSN; Susan Scheid, RN, MSN; Gayla Miles, RN, MSN

Life in the Neurovascular Emergency Department (Part 1)

Room: Indigo E
3IM.73Adv
Immersive Course

Course Overview: Part 1 - This immersive course, offered in two, consecutive sessions, will integrate the core competencies of patient safety, clinical efficacy, teamwork, professionalism, and communication into the journey of two patients through the Neurovascular Emergency Department. Learners will utilize several different forms of simulation, innovation, methodology, and technology as the scenario unfolds. Throughout each session, participants will be given simulation tips and tricks to enhance the effectiveness of the educational experience. Registration for both sessions is recommended.

Course Director: Gary Ackerman, MICP, MCP

Faculty: Catherine Curley, RN, MSN; Carolyn Gattuso, RN, MSN; Gary Ackerman, MICP, MCP; Janet Medley - Ghassa, MSN, APNC, CCRN; Margaret Bernstein, MSN; Erol Veznedaroglu, MD, FACS, FAHA

Mastery Learning and Deliberate Practice in Simulation-based Education

Room: 310
3PC.828Int
Pre-Conference Course

Course Overview: Mastery learning is a strict form of competency-based education in which educational outcomes are uniform but time varies. The principles of deliberate practice and mastery learning allow for the development of important clinical skills and are a powerful component of simulation-based education. This course will present an overview of mastery learning and deliberate practice. Individual or group participants will have the opportunity to practice a clinical skill, design a mastery learning program, and discuss results.

Course Director: Jeffrey Barsuk, MD, MS

Faculty: Jeffrey Barsuk, MD, MS; Diane Wayne, MD; William McGaghie, PhD; Elaine Cohen, BA

Simulation in Neonatal Mock Codes

Room: Indigo B/F
3IM.144Adv
Immersive Course

Course Overview: This course depicts two scenarios which utilize high-fidelity simulation to assess the cognitive and technical knowledge of a multidisciplinary team. Participants will also learn more about the promotion and assessment of team dynamics. The scenarios that will be used are based on the Pediatric Advanced Life Support (PALS) and Neonatal Resuscitation Programs (NRP) and may support the credentialing requirements for various groups of healthcare providers.

Course Director: Akshaya Vachharajani, MD

Faculty: Margaret Hassler, MSN, RN-BC; Akshaya Vachharajani, MD

SP Case and Checklist Development

Room: 306B
3WS.843Beg
Pre-Conference Course

Course Overview: Case and checklist development are core responsibilities of simulation educators. It is important to be knowledgeable on the essential elements of these tasks, both to develop case and checklist materials and to collaborate with and educate clinical faculty on the process. The purpose of this workshop is to provide educators with a scholarly approach to the essential elements of case and checklist development, and provide an opportunity for hands on experience with case development.

Course Director: Carol Pfeiffer, PhD

Faculty: Carol Pfeiffer, PhD

Teaching and Conducting Root Cause Analysis with Simulation

Room: Indigo D
3IM.360Adv
Immersive Course

Course Overview: Simulation can be used to teach both clinical and non-clinical skills. The majority of simulations are used to teach clinicians. Simulation can be expanded to advance the quality, safety, and process improvement agenda and to educate administrators and clinicians about RCAs and human factors. This session will specifically demonstrate how simulation can be used to teach clinicians and non-clinicians about quality improvement and patient safety and can be integrated into HROs.

Course Director: Jared Kutzin, DNP, MPH, RN

Faculty: Jared Kutzin, DNP, MPH, RN; Connie Lopez, MSN, RNC -OB, CNS; Barbara DeVoe, DNP, FNP-BC

Using Improvisation Techniques to Improve Role-play in Simulations

Room: 300

3PC.464Adv

Pre-Conference Course

Course Overview: This workshop will help participants improve the impact, realism, and quality of simulations by learning and practicing basic improvisation techniques. Improvisation techniques provide a lively yet rigorous way for actors to quickly orient, interact, and adjust to learner's actions in the course of a simulation. The workshop includes demonstrations, exercises and practice applying techniques to participant's existing simulations. Participants will leave with exercises they can use to teach the techniques to their colleagues, as well as guidelines and tools they can use in their own simulations.

Course Director: *Daniel Raemer, PhD*

Faculty: *Cate McIntosh, MD, FANZCA; Robert Simon, EdD; Jenny Rudolph, PhD; Daniel Raemer, PhD*

Sunday, January 29, 2012

10:00 AM to 12:00 PM 2.0 Contact Hours

Art and Science of Facilitation: Shifting the Teacher Learner Paradigm

Room: 202A/B

3PC.1511Adv

Pre-conference Course

Course Overview: This experiential workshop is an invitation to professional practitioners of all levels of simulation experience, faculty and educators interested in developing facilitation debriefing and communication **techniques** to address the diverse educational challenges associated with small group teaching.

Course Director: Kerry Knickle, LLM (ADR)

Faculty: Kerry Knickle, LLM (ADR); Nancy McNaughton, MEd, PhD

Breaking Bad News in Obstetrics: When Birthdays Become Emergencies

Room: Indigo C/G

3IM.736Adv

Immersive Course

Course Overview: Dive into an OB Emergency Simulation which includes the need to manage a common obstetric emergency with an adverse outcome and Breaking Bad News. The session will present a curriculum for Breaking Bad News followed by a short refresher on the management of one specific obstetric emergency before dividing the group up for a live interactive simulation followed by debriefing and brainstorming about how to incorporate this tool into existing curricula.

Course Director: Dena Goffman, MD

Faculty: Ellen Landsberger, MD, MS; Peter Bernstein, MD, MPH; Chavi Eve Karkowsky, MD; Cynthia Chazotte, MD; Amy Bertone, RN, BSN; Daniel Scherzer, MD; Colleen Lee, RN; Dena Goffman, MD

Debriefing in Surgical Simulation

Room: Indigo H

3IM.1099Adv

Immersive Course

Course Overview: This immersive session will use an evidence-based approach to review the importance of debriefing as the engine for learning in simulation-based training. It will define key components of effective debriefing and introduce an assessment tool for evaluating debriefing in surgical simulation. Participants will then practice knowledge, skills, and attitudes learned through analysis of recorded debriefings as well as post-action debriefing following participation in an actual surgical team training scenario.

Course Director: John Paige, MD

Faculty: Shawn Tsuda, MD, FACS; Sonal Arora, MD, PhD; John Paige, MD; Neal Seymour, MD; Kinga Powers, MD, PhD, FACS; Gladys Fernandez, MD; Dimitrios Stefanidis, MD, PhD, FACS; Gerard Langlois, PA-C, MS

Developing a Simulation Center, Building on Triumphs, and Avoiding Pitfalls

Room: 300

3PC.390Beg

Pre-conference Course

Course Overview: The purpose of this interactive workshop is to provide participants with foundations for building a simulation center: developing sustainable clinical programs, conducting research that support this teaching modality and overcoming challenges in the process. Discussion topics include securing funds, building logistics, program development, supporting faculty, sustainability, and overcoming obstacles. Attendees will participate in brainstorming break-out sessions, and will ultimately take away an outline for creating a simulation program that fits their needs.

Course Director: James Fehr, MD

Faculty: Margaret Hassler, MSN, RN-BC; Mary McBride, MD; James Fehr, MD

Don't Be Talking IPE With Silos on Your Mind...An Interprofessional Educational Adaptation of TeamSTEPPS in the Outpatient Setting

Room: 306A

3PC.1250Int

Pre-conference Course

Course Overview: Faculty will discuss and demonstrate the innovative Interprofessional Educational (IPE) adaption of the TeamSTEPPS curriculum, embedded with the Interprofessional Educational Collaborative (IPEC) core competencies for the pre-clinical and early clinical learner in an outpatient setting. Participants in this workshop will discuss the challenges of implementing an interprofessional teamwork curriculum within a complex academic healthcare center. Each participant will learn how to develop their own adaptation of this unique IPE curriculum.

Course Director: Dawn Schocken, PhDc, MPH

Faculty: Alicia Gill Rossiter, MSN, ARNP, PNP-BC, FNP; Marianne Koenig, PharmD; William Bond, MD, MS; Micki Cuppett, EdD, ATC; Laura Haubner, MD; Dawn Schocken, PhDc, MPH

Hybrid Task Training Simulation with Objective-based Outcomes for Mastery-based Learning

Room: 304

3PC.875Adv

Pre-conference Course

Course Overview: In this session, participants will learn how to combine non-computerized task trainers with the software from a high-fidelity simulator to create a hybrid simulation model applicable to a mastery-deliberate practice educational teaching pedagogy with objective-based outcomes.

Course Director: John Schaefer, III, MD

Faculty: John Schaefer, III, MD; Frances Lee, DBA

Incorporation of Patient Safety Goals into an Interprofessional High-fidelity Simulation

Room: Indigo A

3IM.626Adv

Immersive Course

Course Overview: This simulation immersion provides an interactive, interprofessional learning environment for healthcare providers to facilitate their learning in regards to the impact of interprofessional communication and teamwork in preventing error and providing safe and quality patient care. Participants will be immersed in a simulation experience with an experienced interprofessional faculty team consisting of nurses, a physician and pharmacist. The learners will learn how to integrate national patient safety goals and competencies into interprofessional, simulation-based learning.

Course Director: Carol Durham, RN, EdD, ANEF

Faculty: Kelly Scolaro, PharmD; Danyel Helgeson, MS, RN; Chad Epps, MD; Carol Durham, RN, EdD, ANEF

Icon #1 - Outcomes_A.bmp

Intermediate Lean Simulation Applications

Room: 310

3PC.1442Adv

Pre-conference Course

Course Overview: Lean methodology reduces or eliminates waste resulting in efficient, patient-focused systems. Lean focuses on systems, processes and environment, making it ideal for identifying latent conditions for medical error and can be an adjunct method for debriefing high-fidelity simulation. This workshop will use prerecorded simulations, group exercises and facilitated discussion to introduce participants to Lean and to practice intermediate Lean skills such as value-stream mapping and flow analysis.

Course Director: Lennox Huang, MD

Faculty: Kimberly Stone, MD, MS, MA; Walter Eppich, MD, MEd; Lennox Huang, MD; Jennifer Reid, MD; Dianne Norman, BScN, MEd(c)

Icon #1 - Educator_A.bmp

Life in the Neurovascular Emergency Department (Part 2)

Room: Indigo E

3IM.1480Int

Immersive Course

Course Overview: Part 2 - This immersive course, offered in two, consecutive sessions, will integrate the core competencies of patient safety, clinical efficacy, teamwork, professionalism, and communication into the journey of two patients through the Neurovascular Emergency Department. Learners will utilize several different forms of simulation, innovation, methodology, and technology as the scenario unfolds. Throughout each session, participants will be given simulation tips and tricks to enhance the effectiveness of the educational experience. Registration for both sessions is recommended.

Course Director: Gary Ackerman, MICP, MCP

Road Map to SSH Accreditation: Assemble the Policies, Resources and Know-how to Develop a Successful SSH Accreditation Application

Room: 306B

3PC.992Adv

Pre-conference Course

Course Overview: This pre-conference session will immerse participants in the steps to accreditation including writing a successful application, policy development and resource review. The presentation team will provide an in-depth look at the accreditation process, beginning with self-evaluation and progressing through to the site visit. Participants will gain confidence to embark on the accreditation journey.

Course Director: *Becky Damazo, RN, PNP, MSN*

Faculty: *Becky Damazo, RN, PNP, MSN; Sherry Fox, PhD, RN; Janice Palaganas, MSN, PhD; Betsy Voelker, AA*

Simulation in Neonatal Resuscitation

Room: Indigo B/F

3IM.289Int

Immersive Course

Course Overview: Interdisciplinary teamwork is the focus of this immersive course, which features neonatal resuscitation simulation training in the care of the critically ill newborn. The course faculty is comprised of physicians, nurses and nurse practitioners currently at work in the neonatal ICU. Participants will have an opportunity to design, develop, experience, and debrief neonatal simulations within interdisciplinary teams.

Course Director: *Jennifer Arnold, MD, MSc*

Faculty: *Carol Anselmo, NNP; Bridget Cross, MSN, RN, NNP-BC; Dan Feux; Jennifer Arnold, MD, MSc; Kelly Wallin, MS, RN; Melissa Cashin, MSN, RN, BC; Leigh Ann Cates, MSN, NNP-BC, RRT-NPS; Diana Wilson, MSN, RN, NNP-BC*

Transforming Communication: Using Unscripted Simulation for Healthcare Team Training

Room: Indigo D

3IM.334Adv

Immersive Course

Course Overview: This immersive course will illustrate the comparative effectiveness of unscripted simulation techniques. Research reveals a high prevalence of interpersonal stress and professional errors due to miscommunication. Thus far, there is no systematic study of whether unscripted simulation techniques outperform scripted training methods for meeting immediate learning objectives and optimizing field performance. After a brief presentation on communication intelligence and the neuro-psychology of deep learning by doing, participants will engage in unscripted simulations on interprofessional communication.

Course Director: *William Shay, PhD*

Faculty: *Simon Gottschalk, PhD; William Shay, PhD; Michel Gottschalk, PhD*

Transforming Debriefing Effectiveness Through A Train-The-Trainer Format

Room: 308

3PC.648Beg

Pre-conference Course

Course Overview: Essential to effective teaching is properly trained faculty. This session will model a train-the-trainer activity for interprofessional audiences. A Neonatal resuscitation program will be used to illustrate how to utilize a train-the-trainer program for interprofessional teams. The session will cover training principles for adult learners; planning and organizing a train-the-trainer course; implementing training with active learning strategies, and evaluating outcomes.

Course Director: *Martha Conrad, RN, MSN*

Faculty: *Martha Conrad, RN, MSN; Michael Holder, Jr, MD; Rami Ahmed, DO, FACEP; S Scott Atkinson, IT, EMT-P*

Sunday, January 29, 2012

2:00 PM to 3:15 PM 0.75 Contact Hours

3:30 PM - 5:00 PM 1.50 Contact Hours

Structure, Freedom, or Both? The Jazz of Team Communication

Room: 20B/C/D

3PS.1624

Plenary Session

Course Overview: Medical care teams frequently encounter uncertainty and complexity under fast-paced conditions. In addition, team members must deal with each others' styles of processing information and communicating. Strictly following algorithms may not provide teams with the latitude to explore critical aspects of patients' unique illnesses, or draw upon the collective wisdom of all team members. On the other hand, acting in a completely unstructured fashion is inefficient, chaotic, and may miss critical pieces of information. Team members need to improvise, effectively managing this tension between structure and freedom. It turns out that such improvisation is a characteristic of jazz music performance. In this talk, Dr. Haidet will explore some central aspects of jazz musical performance, relate these to the kinds of team communication that frequently occur in healthcare settings, and discuss potential implications for simulation in health professions education.

Keynote Presenter: *Paul Haidet, MD, MPH*

Simwars!

Room: 20A

3PS.1628

Sim on Stage

Course Overview: *Simwars!* is an interactive simulation competition that allows teams of clinical providers to compete against each other on simulated patient encounters in front of a large audience. The competition allows teams to demonstrate their communication, teamwork, and clinical management skills. A simulated clinical environment is created for this competition. Upon completion of each simulation encounter, three expert judges give feedback in the form of a mini-debriefing. The audience then votes on a winner.

Course Directors: *Stephen Andrew Godwin, MD; Lisa Jacobson, MD; Haru Okuda, MD*

Teams Pending

Monday, January 30, 2012

8:00 AM to 9:15 AM 0.75 Contact Hours

The Lou Oberndorf Lecture on Innovation in Healthcare Simulation

NASA Space Medicine Simulations, Flight Analogs and Mission Control

Room: 20B/C/D

4PS.1625

Plenary Session

Course Overview: Realistic simulation is the critical element for preparation and successful execution of spaceflight missions. Access to space is extremely expensive and infrequent. NASA utilizes space analogs including computer simulations and extreme environments such as undersea habitats to test new equipment, procedures and, most importantly, to train its personnel in emergency response and cross specialty communication and cooperation. Not surprisingly, missions have been saved by flight controller teams who made critical decisions in novel situations, including medical events. Terrestrial and space medicine practitioners must share simulation expertise to properly prepare for illness as it occurs both on and off the planet.

Faculty: *Joseph Schmid, MD, MPH*

Monday, January 30, 2012

9:30 AM to 10:15 AM 0.75 Contact Hours

10101010: Shouldn't Technology Make Simulation Operations Easier?

Room: 23B

4RT.54Int

Meet the Simpros Roundtable Discussion

Course Overview: Simulation operations and delivery involves a great deal of technology, but that does not necessarily mean they build synergies in simulation operations. This session will feature techniques that centers can adopt to blend various technologies so they start working for them, and not against them.

Course Director: Blake Kyzer, MHA

Faculty: Blake Kyzer, MHA; Gordon McKeown, RN

Building for Sustainability: Community Development, Social Marketing, and Strategic Planning for Simulation in a Small Educational Facility

Room: 28E

4PP.245Int

Podium Presentation

Course Overview: The long-term sustainability of the simulation center is of vital concern to faculty, staff, and administrators. Once a simulation program has been adopted, its continued use, maintenance and resource allocation become critical concerns. This session will discuss the use of strategic planning and associated strategies in facilitating the adoption of simulation-based learning, and describe how strategic plan foci provide direction and support for the sustainability and growth of a simulation center in a small educational institution.

Course Director: Julie Rivers,

Faculty: Julie Rivers

Dental Affinity Group Program: AAOMS Office Anesthesia Evaluation and Train the Trainers Program

Room: 23C

4PP.391Int

Podium Presentation

Course Overview: This presentation will focus on two initiatives instituted by American Association of Oral and Maxillofacial Surgeons (AAOMS). The Office Anesthesia Evaluation Program is targeted to anesthesia providers in the oral and maxillofacial surgery practice. The Train the Trainers program is targeted to the calibration of faculty teaching oral and maxillofacial surgeons emergency scenarios. Both demonstrate the commitment of the profession to patient safety.

Course Director: Randi Andresen,

Faculty: Steven Schimmele, DDS; Randi Andresen

Development of Simulation Scenarios for Nursing Education in Small Pacific Island Nations in Micronesia: Lessons Learned

Room: 28D
4PP.1333Beg
Podium Presentation

Course Overview: Simulation has reached all corners of the globe, including the small Pacific Island countries of Micronesia in the Northern Pacific. While connected by the ocean and certain island traditions, each island nation has its own distinct language and culture and most are severely under resourced. Several islands received simulation mannequins and lack access to simulation scenarios relevant for use in Micronesia. A workshop was conducted in Micronesia to develop regionally appropriate simulation scenarios.

Course Director: Lorrie Wong, PhD

Faculty: Lorrie Wong, PhD; Kristine Qureshi, PhD

Discovering and Understanding Human Factors in Teamwork Simulation

Room: 28A
4PP.127Adv
Podium Presentation

Course Overview: This presentation will discuss human factors discovered during healthcare simulation and their impact on team performance. It will illustrate how sensory barriers affect communication and teamwork, explore cognitive processing patterns during crisis situation, and demonstrate how errors are likely to occur when human beings are boxed-in. The presentation will also provide methodologies for developing simulation scenarios and training techniques to overcome and manage human factors.

Course Director: Judy Kitchens, MHA

Faculty: Frank Mazza, MD; Judy Kitchens, MHA

Dose of Reality: Simulation-enhanced Nursing Pharmacology

Room: 23A
4RT.1002Adv
Meet the Simpros Roundtable Discussion

Course Overview: Nursing pharmacology is a core component of all Bachelor of Science Nursing programs. While traditionally a didactic course, the addition of high-fidelity simulation can deepen understanding of the interplay between physiology and pharmacology leading to improved understanding of drug response.

Course Director: Amanda DeAngelis-Chichester, ScMP, PhD (c)

Faculty: Clinton Chichester, PhD; Amanda DeAngelis-Chichester, ScMP, PhD (c)

Next Generation of Simulation Centers: Designing a Healthcare Simulation Center to Meet Current and Growing Needs

Room: 33C
4RT.602ADV

Meet the Simpros Roundtable Discussion

Course Overview: An increasing number of institutions are investing in new or expanded simulation centers. This workshop, led by one of the nation's simulation experts and an architect specializing in the planning and design of simulation centers, will introduce participants to the process of conceptualizing, programming, planning and implementing a simulation center that is both tailored to their unique needs and has the flexibility to accommodate the constantly evolving technology and pedagogy.

Course Director: Leland Rockstraw, PhD, RN

Faculty: Leland Rockstraw, PhD, RN; Jonathan Fishman, MArch

Process Improvement: How Simulation Can Make a Difference in the Hospital Setting

Room: 29D
4EP.349Int
Expert Panel

Course Overview: High-fidelity simulation can be effectively used in the hospital environment to improve systems and processes. This session will explore how to identify and fix these system problems while simultaneously conducting educational simulation sessions with interprofessional team members. Processes investigated will include code labs, paging systems, maps/directions, access to closed units, phone communication, and code cart optimization.

Course Director: Mary Holtschneider, RN, BSN, MPA

Faculty: Mary Holtschneider, RN, BSN, MPA; Atilio Barbeito, MD; Alberto Bonafacio, RN, BSN

Reflections on Undergraduate Scenario-based IPE

Room: 29B
4PP.397Beg
Podium Presentation

Course Overview: Building scenarios that incorporate the values, processes and outcomes of Interprofessional Education (IPE) is no mean feat. This paper will reflect on these issues across two different Australian curriculums. During this session, attendees will: 1) discover that there are many approaches to scenario development; 2) gain experiences; 3) recognise that resources are a major key to success; and 4) appreciate that debriefing and reflection are invaluable to the process.

Course Director: Nicole Jones de Rooy,

Faculty: Gary Rogers; Nicole Jones de Rooy

Simulation Journal Club 2012

Room: 29C
4EP.19Int
Expert Panel

Course Overview: Stay current on the latest relevant research in simulation by attending the annual Simulation Journal Club. Course faculty have selected the most influential articles of the year for presentation and discussion at IMSH. Field leaders and authors are encouraged to join the conversation! The audience will select winning research studies in the following categories: patient safety, teamwork and communication, clinical outcomes, knowledge, skills, attitudes, and cost effectiveness.

Course Director: Sharon Griswold, MD, MPH

Faculty: Demian Szyld, MD, EdM; Moira Davenport, MD; Sharon Griswold, MD, MPH

Simulation Journey: Developing, Designing, and Constructing the University of Wisconsin Health Clinical Simulation Program and Center

Room: 29A
4EP.1162Int
Expert Panel

Course Overview: This presentation explores the synthesizing process which transformed the discrete UW clinical simulation activities into a more cohesive Program utilizing a state-of-the art new facility. The creation of the UW Health Clinical Simulation Program acted as a catalyst that initiated the integration of simulation activities, access to assets and resources across institutional and departmental boundaries. This effort has minimized redundant activities, maximized resource utilization, and facilitated inter-professional cooperation. The process of designing and constructing the facility enabled the new Clinical Simulation Program to perform at its full potential, while leveraging space and other resources outside of its domain.

Course Director: George Keeler, MA, MBA

Faculty: George Keeler, MA, MBA; Laura Serebin, BA, MArch; Joye Kuehn, Thomas Dongilli, BA

State of the Evidence (Part 1): How Effective is Simulation?

Room: 20B/C/D
4PP.198Int
Podium Presentation

Course Overview: A series of six sessions will present an up-to-date synthesis of the literature investigating technology-enhanced simulation in the education of healthcare professionals. These presentations are based on a recent, comprehensive systematic review and synthesis of over 900 articles published from 1966 to May, 2011. This first session in the series will focus on the evidence contained in studies comparing simulation to no training or to other educational activities.

Course Director: David Cook, MD, MHPE

Faculty: David Cook, MD, MHPE; Rose Hatala, MD, MSc

Technology and Fidelity: Just what are we talking about?

Room: 30E
4EP.1619
Expert Panel

Course Overview: One of the most widely used, widely interpreted terms in the simulation lexicon is "high-fidelity" What does this mean? What is its relationship to technology, specifically the term "high-tech" and how does that influence the perception of clinical realism? Is clinical realism the goal? This session will introduce various perspectives for sorting out the meaning of these terms and how they relate to simulation goals.

Course Director: John Shatzer, PhD

Faculty: Daniel Raemer, PhD; Pamela Andreatta, PhD; John Shatzer, PhD

Update on Assessment Tools for Simulation Evaluation (Part 1)

Room: 28C
4EP.344Int
Expert Panel

Course Overview: Reliable and valid evaluation tools are critical components of a fully developed simulation program. By rigorously applying appropriate evaluative methodologies, learning outcomes can be improved. Expert panelists will provide the audience with concepts necessary to discuss tool validity and reliability. In addition, two recently validated tools will be presented by their developers. Discussion will focus on considerations in tool development and implementation.

Course Director: Aaron Calhoun, MD, FAAP

Faculty: Aaron Donoghue, MD, MSCE; Aaron Calhoun, MD, FAAP; Mark Adler, MD

Using Simulation versus Traditional Preceptorship Training in a Nurse Residency Program: A Pilot Study

Room: Military Theatre Hall G
4PP.527Int
Podium Presentation

Course Overview: Currently a lack of evidence supports using a human patient simulator during the nurse residency period. Traditionally nurse residents are paired with a preceptor who guides learning and develops the residents' prioritization skills. The purpose of this project is to determine if scores on a knowledge test, skill checklist, and confidence in skills, differ between skills learned in simulation versus preceptorship training. Secondly, we will investigate skill confidence and skill effectiveness using simulation.

Course Director: Ramona Domen, MS, CRNA

Faculty: Ramona Domen, MS, CRNA; Tony Ancheta, MS

Using Simulation-based Interdisciplinary Team Training to Identify Potential Institutional-level Quality Obstacles

Room: 28B

4PP.1419Adv

Podium Presentation

Course Overview: Faculty will discuss the impact of interdisciplinary team training on identifying system-based weaknesses and developing optimal processes at the institutional level. Session content will focus on conflicting institutional processes with the potential to cause team conflict or adversely impact patient care. Participants will be able to contribute perceived and experienced challenges to the discussion, and to brainstorm about how the simulation community can work with our quality and safety offices to resolve many of these concerns.

Course Director: *Pamela Andreatta, PhD*

Faculty: *David Marzano, MD; Pamela Andreatta, PhD*

Monday, January 30, 2012

9:30 AM to 11:00 AM 1.50 Contact Hours

Confederate Boot Camp: Using Confederates to Enhance Interdisciplinary Simulation Fidelity and Learner Engagement

Room: 30C
4WS.99Int
Workshop

Course Overview: Interdisciplinary teams in high-complexity simulations often have a high threshold to suspend disbelief. This necessitates creative ways to overcome mannequin, environmental, and psychological limitations in simulation. Using a confederate (an individual other than the patient who is scripted in a simulation) can add realism and provide a means of assessing learner communication and non-technical skills. This workshop will use video reviews and small group activities to enhance participants' understanding of the use of confederates in simulation.

Course Director: Julianne S. Perretta, MS, RRT, NPS

Faculty: Julianne S. Perretta, MS, RRT, NPS; Elizabeth Hunt, MD, MPH, PhD; Julianna Jung, MD

Developing a Targeted Curriculum in Simulation: It Starts with a Needs Assessment

Room: 31B
4WS.51Beg
Workshop

Course Overview: In this session, the importance of a needs assessment and specific strategies to analyze training needs when developing a simulation curriculum will be presented. Subsequently, participants will have the opportunity to develop a plan for a targeted assessment of their learner group. The session will be a mix of short interactive lectures, interactive discussions and small-group work.

Course Director: Karen Mangold, MD

Faculty: Karen Mangold, MD; Walter Eppich, MD, MEd; Dana Aronson Schinasi, MD; Melissa Brannen, MD, MEd

Developing and Using a Financial Cost Model for Your Clinical Education/Assessment Center

Room: 30A
4WS.442Adv
Workshop

Course Overview: Clinical simulation centers are a vital part of health and interprofessional educational curricula and assessment strategies across the continuum of pre-clinician to practice. A financial cost model must be developed to allow for accurate and fair pricing of services to all clients/users. The purpose of the workshop is to have participants develop a financial cost model for their center. This center may house standardized patients, teaching associates and/or high-fidelity simulators and task trainers.

Course Director: Gwyn Barley, PhD

Faculty: Gwyn Barley, PhD

From Passive Observers to Active Learners: Using New Technologies to Capture Observer Ratings

Room: 30B
4WS.1255Int
Workshop

Course Overview: A typical simulation scenario involves an active learner(s) and several passive observers of the hot-seat performance. Learning theory supports engaging these otherwise passive observers by having them function as raters during the scenario. This hands-on workshop will demonstrate the use of video-assisted debriefing and provide the participants with an opportunity to use the new technologies. Finally, the session will conclude with a discussion of lessons learned from implementation at an academic medical center.

Course Director: John Vozenilek, MD, FACEP

Faculty: John Vozenilek, MD, FACEP; Susan Eller, RN, MSN; Lanty O'Connor, BA; David Salzman, MD; Craig Adams, BA; Paul Pribaz, MS

Great Debriefing Game

Room: 31C
4WS.282Beg
Workshop

Course Overview: This workshop is targeted to the novice debriefer, eager to improve debriefing skills in a fun environment. It is also designed for the debriefing instructor who wishes to add to his/her debriefing teaching repertoire. Participants will play a number of games that illustrate and teach various debriefing techniques with particular emphasis on linguistics and body language. The practice sessions will take place in the format of a number of well-known games including Taboo, Family Feud, and Jeopardy.

Course Director: Ruth Fanning, MB, MRCPI, FFARCSI

Faculty: Ruth Fanning, MB, MRCPI, FFARCSI; Kimberly Yaeger, RN, MEd; T Kyle Harrison, MD; Steven Howard, MD; Anita Honkanen, MD

Haptics Technology for Healthcare Simulation: The State of the Art and Challenges

Room: 30D
4EP.1651
Workshop

Course Overview: Haptics is a Virtual Reality (VR) simulation related technology that currently and will continue to affect healthcare simulator and simulation tools. It will also address current and future technology for providing physical sensory input for learners in a wide range of simulators. Expert panelists will include researchers and system developers working with technology to improve the realism of learners' tactical feedback experience who are engaged in training, using haptic simulators.

Course Director: W. Bosseau Murray, MD

Faculty: W Bosseau Murray, MD; Karl Reinig, PhD; Dwight Meglan, PhD; Jeff Berkley, PhD, CPT

How to Develop a Scenario for Simulation-based Testing in Nursing and Stay Alive to Teach It

Room: 32B
4WS.1092Adv
Workshop

Course Overview: Simulation-based testing (SBT) is increasingly employed in medical education for admission, certification and licensing exams. Designing a good scenario for an SBT in nursing is different from designing a scenario for training, because an SBT should meet strict psychometric standards. The workshop aims to teach principles and methods of designing a nursing scenario for SBT based on experience gained by MSR, the Israel Center for Medical Simulation and Israel's National Institute for Testing and Evaluation.

Course Director: Orna Divon-Ophir, MA, CCRN, CNM, IBCLC

Faculty: Doron Sagi, MA; Orit Eisenberg, PhD; Orna Divon-Ophir, MA, CCRN, CNM, IBCLC; Rina Sela, MA, CCRN

I Am A Director of A Simulation Center...Now What? A Policy and Procedures Workshop for Sim Center Directors

Room: 32A
4WS.1272Beg
Workshop

Course Overview: This workshop, sponsored by the SSH Directors' SIG, is designed for the individual who has taken on, in the past three years, the responsibility to be a Director of a Simulation Center. The outcome of this workshop will be a comprehensive understanding of what needs to be included in a Sim Center's Policy and Procedures Handbook. Each participant will begin to develop the outline of their own institution's Policy and Procedures Handbook.

Course Director: Dawn Schocken, PhDc, MPH

Faculty: Dawn Schocken, PhDc, MPH; Janice Palaganas, MSN, PhDc; Elisabeth Wright, MS; John Shatzer, PhD; Bradley Peckler, MD, FACEP

Integrating Simulation Across the Curriculum: Demonstration of Practice-based Simulation Model

Room: 25A/B/C
4WS.962Int
Workshop

Course Overview: Practice-based Simulation Model (PBSM) is a curriculum innovation incorporating practice-based learning and simulation in the acute care stream of the Bachelor of Nursing program at RMIT University, Australia. The workshop will guide participants so as to experience the process of a curriculum design: participant design of learning modules, participant plan of simulation activities, and participant feedback of resource sessions (short resource demonstration by facilitators to guide appraisal of strategies employed).

Course Director: Mee Young Park, PhD

Faculty: Sharee Griffiths, BN, MN (CC), GC TT&L; Sonja Cleary, MN; Leonie Murphy, MEd St, BA, BAppSci; Mee Young Park, PhD

Interactive Simulation for Pre-clinical Medical Students

Room: 33A
4WS.760Adv
Workshop

Course Overview: Basic sciences curriculum provides few opportunities for hands-on practice before clinical training. This session will provide participants the opportunity to apply simulation activities within the basic sciences didactic arena. Contact and exposure to simulation trainers and equipment will provide a range of feedback; participants will have the opportunity to experience them as a student would to see firsthand how simulation can be used to reinforce learning and knowledge.

Course Director: *Theresa McCann, PhD, MPH*

Faculty: *Glenn Brady, MD; John Speake; Aristathemos Scott, RN, BScN, MEd; Theresa McCann, PhD, MPH*

Iron Sim

Room: 20A
4PS.1631
Sim on Stage

Course Overview: This session is a competition involving teams solving clinical problems using simulators. The objective of each competition is to complete individual tasks built into each simulation. The competition is modeled after the television cooking competition show “Iron Chef” where two teams compete to make a dish using a mystery ingredient. In this show there will be a mystery case unknown to each team that will be revealed at the beginning of each competition.

Course Director: *Martin Eason, MD, JD*

Teams Pending

Just in Time Faculty Development: The Next Level of Debriefing

Room: 31A
4WS.66Adv
Workshop

Course Overview: With an ever-increasing demand for simulation there is a need for supporting faculty development in the critical area of simulation debriefing. Participants will have an opportunity to engage in focused feedback of a simulation instructor following debriefing. A video depicting a resuscitation and role-play of a learner debriefing will provide context for participant engagement in debriefing the instructor. The participant will gain the knowledge and skill needed to develop an initiative for faculty development.

Course Director: *Elaine Sigalet, MN, BSN*

Faculty: *Adam Cheng, MD, FRCPC, FAAP; Elaine Sigalet, MN, BSN; Jenny Rudolph, PhD; Walter Eppich, MD, MEd; Vincent Grant, MD, FRCPC; Traci Robinson, BN*

Preparing Learners for the Clinical Professions using Game-based Learning: Videogames from Ancient Greeks

Room: 22

4PP.503

MARQUEE PRESENTATION – Game-based Learning

Course Overview: Over the last thirty centuries, a mixture of ancient and modern innovations will vastly expand human potential. This session, led by Major Thomas Talbot, MD, will explore the various ways gaming has informed us throughout the ages, and what lies ahead in the future.

Course Director: Eric Bauman, PhD, RN, EMT-P

Honorary Guest Speaker: Thomas B. Talbot, MD, MS, FAAP

Single Frame Programming: Development of Event Menus, Handlers and Trends

Room: 24A/B/C

4WS.129Int

Workshop

Course Overview: Building a basic foundation is essential to initial scenario development with high-fidelity simulators. Bring your own laptop with Laerdal programming installed and learn to develop a thorough Event Menu and a basic group of Handlers and Trends to allow for increased functionality during scenario development. These tools can be transferred from one scenario to the next using the single frame scenario rather than the algorithmic method that is commonly taught.

Course Director: Barbara Ratliff, BSN, MBA

Faculty: Donald Henry, ADN; Judith Miller, RN, MSN; Karla Davis; Barbara Ratliff, BSN, MBA

Training Simulated/Standardized Patients in Verbal Feedback

Room: 33B

4WS.784Int

Workshop

Course Overview: This workshop will explore training approaches for simulated/standardized patients (SPs) to use in sharing verbal feedback with trainees. Conceptual issues associated with the nature and content of feedback from patient perspectives in a range of health professional encounters will be discussed. Training approaches for SPs to deliver verbal feedback including the benefits and challenges and how these approaches are relevant to participants' work settings will be examined.

Course Director: Carine Layat Burn, PhD

Faculty: Carine Layat Burn, PhD; Debra Nestel, PhD

Educational Courses
Monday, January 30, 2012

10:30 AM to 11:15 AM

0.75 Contact Hours

Assessing Healthcare Teamwork Skills in Simulated Care

Room: 23A

4RT.1211Int

Meet the Simpros Roundtable Discussion

Course Overview: We have conducted multiple studies involving validation and use of different techniques for assessing team skills including behaviorally-anchored ratings in simulation, clinical observations, and scenario-specific behavior scoring in simulations with actor team members. We will describe our progression to the Standardized Assessment for Evaluation of Teams (SAFE-Teams), a freely available set of nine short scenarios and scoring tool. We will discuss advantages and disadvantages of different teamwork assessment methods for different purposes.

Course Director: *Melanie Wright, PhD*

Faculty: *Jeffrey Taekman, MD; Melanie Wright, PhD*

Cost Versus Reality: A Balancing Act to Meet Training Goals Effectively

Room: 29A

4EP.728Int

Expert Panel

Course Overview: This session will focus on the constant tension which exists between cost and the level of realism needed to attain simulation objectives. Well-defined goals are the initial step in the decision tree of how much realism is appropriate and necessary to make a simulation effective and efficient. A mismatch is frequently observed between stated goals and actual needs in simulations. Key questions will be asked to achieve the ultimate goal of utilizing simulations to their fullest capacity while being fiscally prudent.

Course Director: *Carol Hasbrouck, MA*

Faculty: *Carol Hasbrouck, MA; Raymond Ten Eyck, MD, MPH; Jeffery Adams, EMT-P, BA, AA; Sheryl Pfeil, MD, FACP*

Dental Affinity Group Program: Bag-mask and Bag-LMA Ventilation Education for Management of Hypoventilation and Apnea in the Office Emergency

Room: 23C

4PP.392Int

Podium Presentation

Course Overview: There is a need to teach moderate sedation providers the recognition of hypoventilation and apnea in the office. Additionally, the use of positive pressure bag-valve ventilation with either face mask or laryngeal mask airway (LMA) is crucial to patient survival. The moderate sedation provider with Basic Life Support for Healthcare Providers (BLS) training must be able to diagnose and effectively manage a patient using these skills and devices should hypoventilation or apnea occur.

Course Director: *James Phero, DMD*

Faculty: *Morton Rosenberg, DMD; James Phero, DMD*

Fidelity, Validity, and Credibility of Training Simulators: What's the Difference, and What Difference Does Each Make?

Room: 30E
4EP.1636
Expert Panel

Course Overview: "Fidelity" and "validity" are terms commonly heard in and around healthcare simulation centers. The term "credibility" is also commonly discussed as a construct for the usefulness of simulators. Yet rarely are these terms used consistently to describe instances of use within the healthcare simulation community of practice. This session will address each of these often misused terms and the constructs they represent, and will provide examples to illustrate their meaning and utility.

Course Director: Richard Severinghaus,
Faculty: John Rice; Richard Severinghaus

How to Get Your Course Proposal Accepted to IMSH

Room: 28A
4EP.1528Int
Expert Panel

Course Overview: This expert panel will offer tips and strategies to potential authors and course directors who are interested in submitting content to future IMSH programs.

Course Director: Wanda Goranson, MSN
Faculty: Guillaume Alinier, MPhys, PhD; Wanda Goranson, MSN; KT Waxman, DNP, MBA, RN; Ronald Levy, MD

Identification of a Pediatric Emergency Medicine Simulation Curriculum

Room: 29B
4PP.1109Adv
Podium Presentation

Course Overview: The session will discuss the importance of having some standard simulation training for Pediatric Emergency Medicine (PEM) fellows at a national level. We created a national two-tiered simulation curriculum using a Delphi consensus process. This process can be used to create other similar curricula.

Course Director: Ilana Bank, MD
Faculty: Ilana Bank, MD; Adam Cheng, MD, FRCPC, FAAP

In Situ Simulation and Educational Program to Improve Teamwork and Door-to-Balloon (D2B) Times in Regional STEMI Systems

Room: 28E
4EP.118
Expert Panel

Course Overview: Reducing MI mortality optimally requires primary PCI reperfusion within 90 minutes from entry into the healthcare system, a goal seldom achieved in hospital transfers. The SIM-FIT MI program implemented in situ simulation and debriefing for care providers from ground and flight emergency medical systems, emergency departments, and cardiac catheterization laboratories. The simulation program demonstrated feasibility, learner engagement, and care improvements, including shorter reperfusion times as recorded in registry data. This podium presentation will summarize the program and outcomes.

Course Director: *Laura Lee Hall, PhD*

Faculty: *Beth Beaudin-Seiler, MPA; Chester Dalski, EMT-P I/C, RN, MA; Jeffrey Taekman, MD; Melanie Wright, PhD; Laura Lee Hall, PhD*

Interprofessional Crisis Resource Management (CRM) Training: Experiences and Outcomes

Room: 28B
4PP.740Adv
Podium Presentation

Course Overview: The purpose of this presentation is to present and discuss 16 years of experience with interprofessional CRM training. Training strategies with several different groupings of interprofessional teams will be discussed, including teams of experienced nurses and residents (pediatric, surgical, internal medicine, emergency department and anesthesiology) as well as teams of novices (undergraduate nursing and medical students). Curriculum design details and logistics for CRM training will be outlined. Training outcomes and incidental discoveries will be highlighted.

Course Director: *Tara Jankouskas, PhD, RNC*

Faculty: *W Bosseau Murray, MD; Tara Jankouskas, PhD, RNC*

Meet Cara Morgan

Room: 29D
4EP.547Beg
Expert Panel

Course Overview: Cara Morgan had a contagious disease, meningitis. Learners across the disciplines of medicine, nursing and pharmacy cared for Cara in both synchronous and asynchronous simulated encounters. Students learned to care for a child with a serious contagious disease. Faculty learned that a well-executed interprofessional simulation can be contagious! This powerful case ignited an epidemic of interprofessional learning.

Course Director: *Mitzi Scotten, MD*

Faculty: *Mitzi Scotten, MD; April Roche, MBA, CPEHR; Lawrence Davidow, PhD, RPh; Mary Meyer, MSN, RN*

Other Duties as Assigned: The True Meaning When Running a Simulation Center

Room: 23B

4RT.303Beg

Meet the Simpros Roundtable Discussion

Course Overview: Employees working in simulation are often heard saying, "I never knew I would be doing this for this job." Employers are covered by one small phrase used on most job descriptions: Other duties as assigned. Although this ambiguous phrase will never truly be defined, creating accurate expectations are vital components to finding excellent employees that match the responsibilities of the position. This presentation will describe those "other duties" and explore ways to decrease unnecessary tasks.

Course Director: *Tiffany Holmes, DC*

Faculty: *Beth Hallmark, PhD; Tiffany Holmes, DC*

Short Versus Long Simulation Scenarios: Which is Better?

Room: 20B/C/D

4RT.453Adv

Debate

Course Overview: The optimal length of a simulation scenario is a controversial topic, with a paucity of literature supporting utilizing short versus long scenarios. This session will present two opposing teams who will debate the current evidence, advantages, and disadvantages of short and long simulation scenarios. Audience members will be encouraged to participate and assist in formulating research questions and goals related to the length of a simulation.

Course Director: *Mindi Anderson, PhD*

Faculty: *Terri Jenkins, RN, MSN; Mindi Anderson, PhD; Cristian Stefan, MD; Suzan Kardong-Edgren, PhD RN, ANEF*

Simulation-based Credentialing for Hospital Procedures in an Era of Patient Safety

Room: 29C

4EP.1062Int

EXPERT PANEL

Course Overview: Many bedside procedures, such as insertion of peripheral and central venous catheters, are performed routinely by a wide spectrum of healthcare providers. Although these procedures are performed every day in hospitals everywhere, they pose significant risks to patients, and the process to credential providers to perform these procedures has been poorly defined by hospitals. The purpose of this session is to gather experts, including hospital administrators, simulation experts, risk management experts, and healthcare providers, to discuss approaches to develop simulation-based credentialing.

Course Director: *Nilam Soni, MD*

Faculty: *Stephen Small, MD; Angela Blood; Nilam Soni, MD*

Simulations for the Future: Nuts and Bolts of Formative Learning

Room: 28D
4EP.1294Adv
Expert Panel

Course Overview: The availability of increasingly high-fidelity medical simulations has led to burgeoning interest in their use for assessment purposes. The richest learning with simulations appear to involve abundant feedback and debrief for participants both during and after the simulations. The current panel will focus on the use of simulations in formative learning as it relates to critical decision-making parameters and its implications for quality and improvement issues.

Course Director: Robert Galbraith, MD

Faculty: Tina Foster, MD, MPH, MS; Robert Galbraith, MD; Satish Krishnamurthy, MD; Mantosh Dewan, MD

Update on Assessment Tools for Simulation Evaluation (Part 2)

Room: 28C
4EP.345Int
Expert Panel

Course Overview: Reliable and valid evaluation tools are critical components of a fully developed simulation program. By rigorously applying appropriate evaluative methodologies, learning outcomes can be improved. Expert panelists will provide the audience with concepts necessary to discuss tool validity and reliability. In addition, two recently validated tools will be presented by their developers. Discussion will focus on considerations in tool development and implementation.

Course Director: Joan Roche, PhD, RN, GCNS-BC

Faculty: Joan Roche, PhD, RN, GCNS-BC; Megan Lynn, RN, MS, MBA; Kathie Lasater, EdD, RN, ANEF

Monday, January 30, 2012

1:00 PM to 1:45 PM 0.75 Contact Hours

Branding: It's Not Just for the Cereal Aisle. A Unique Cross-industry Collaboration Aimed at the Ever-daunting Challenge of Programmatic Sustainment

Room: 28B
4PP.502Int
Podium Presentation

Course Overview: Project CLEAR (Communication Leading to Excellence and Ameliorating Risk) is a grant-funded, simulation-based curriculum designed to standardize both team and patient communications in an emergency department setting. CLEAR leaders pursued a unique cross-industry collaboration with a college of mass communications for professional assistance with sustainment planning. We will outline the key components of the sustainment strategy including a pre-training Communication Audit and SWOT (strengths, weaknesses, opportunities, threats) analysis, branding and marketing of the CLEAR message.

Course Director: Lynn A. Sweeney, MD

Faculty: Lynn A. Sweeney, MD; Coy Callison, PhD

Evaluation of a Pilot Teaching Session with Simulated Patients: What are the Benefits and Challenges

Room: 29B
4PP.738Int
Podium Presentation

Course Overview: This session will highlight interprofessional collaboration through simulation through a pilot teaching session with simulated patients (SP), which was offered to students in the faculties of medicine, physiotherapy and nursing. Faculty will focus the presentation on the development of the SP session and present the evaluation which was conducted with students, teachers and SPs, using a mix-methodology.

Course Director: Carine Layat Burn, PhD

Faculty: Eugenie Kalathakis; Carine Layat Burn, PhD

Fundamentals to Building a Successful Policy and Procedure Manual

Room: 28E
4EP.348Beg
Expert Panel

Course Overview: This expert panel will discuss fundamental requirements for a policy and procedure manual at a simulation center. An interactive session, the panel will focus on the key elements of a policy and procedure manual and how they can contribute to the success of a program.

Course Director: Daniel Battista, MBA

Faculty: Daniel Battista, MBA; Thomas Dongilli, AT

Guidelines for Conducting Rigorous Simulation-based Research and Innovation

Room: 29A
4EP.520Beg
Expert Panel

Course Overview: An expert panel comprised of representatives from the SSH Research Committee and the IMSH Scientific Content Committee will offer tips and strategies to increase the scientific rigor of your simulation research abstracts. Abstract examples and peer review information will be used to help prospective authors better develop and refine study projects, improving the likelihood of acceptance into the final presentation of Scientific Content for IMSH 2013.

Course Director: *Joshua Hui, MD*

Faculty: *Christine Park, MD; Mark Scerbo, PhD; Joshua Hui, MD*

In Situ Simulation: Overcoming Barriers to Success

Room: 28D
4EP.867Int
Expert Panel

Course Overview: In situ simulation - conducting simulations in the real clinical environment - presents many unique challenges, especially for facilitators used to teaching center-based simulations. This expert panel will discuss the benefits and challenges of running in situ simulations including logistical issues, safety concerns, cost, time commitment, technology challenges, and other common issues facing educators today. Participants will have an opportunity to share their strategies for success.

Course Director: *David Rodgers, EdD, NREMT-P*

Faculty: *AnneMarie Monachino, MSN, RN, CPN; Roberta Hales, MHA, RRT, RN; David Rodgers, EdD, NREMT-P*

Linking Simulation-based Training and Assessment to Improved Patient Outcomes

Room: 29D
4PP.731Int
Podium Presentation

Course Overview: This presentation will discuss the different phases of translational simulation-based research. Faculty will present examples of translational simulation-based research studies, and describe the challenges that they faced going through the three phases of translational research on a project related to infant lumbar punctures. The development of a collaborative research network helped address these challenges.

Course Director: *Marc Auerbach, MD, MSCI*

Faculty: *Marc Auerbach, MD, MSCI; David Kessler, MD, MS*

Mastery Learning Principles in Simulation: Putting Accomplishments in the Drivers Seat

Room: 33C
4EP.794Int
Expert Panel

Course Overview: This session will review mastery learning and principles relative to simulation educational methodology. Development of simulation sessions requiring mastery learning, discussion of progression of learning with isolation of difficulty and other formative approaches leading up to a summative and high stakes assessment of competence will be described.

Course Director: John O'Donnell, CRNA, MSN, DrPH

Faculty: John O'Donnell, CRNA, MSN, DrPH; David Rodgers, EdD, NREMT-P; Carolyn Cason, PhD, RN; Jeffrey Groom, PhD

Nursing Research in Simulation: What It Is and What It Is Not

Room: 28C
4PP.14Beg
Podium Presentation

Course Overview: Research in healthcare simulation is in its infancy, and providers may not have a clear understanding of the research process. This presentation describes the process for simulation-based research. The differences between research studies and other types of projects will be compared. The use of simulation research from a global perspective will be highlighted. Available resources to assist simulation-based research will conclude the presentation.

Course Director: Cecelia Crawford, RN, MSN, DNP(c)

Faculty: Connie Lopez, MSN, RNC -OB, CNS; Cecelia Crawford, RN, MSN, DNP(c)

Oral Presentations: Clinical Outcomes and Quality Improvement

Room: 23C
Research and Program Innovations

RESEARCH ABSTRACT #832

An In-situ Simulation Training Program to Improve Inpatient Adult Clinical Outcomes through Early Detection and Treatment of Hospital-acquired Complications

Presenter: Nancy Szaflarski, PhD

Authors: Nancy Szaflarski, PhD; Lynn Forsey, RN, PhD; Lynn Abel, MSN; John Morton, MD, MPH; Tina Hernandez-Boussard, PhD, MPH; Clarence Braddock, MD, MPH

RESEARCH ABSTRACT #214

Ventilator Caregiver Education Through the Use of High-fidelity Pediatric Simulators

Presenter: Jerri Zinkan, MPH, RN

Authors: Nancy Tofil, MD, Med; Jerri Zinkan, MPH, RN; Amber Youngblood, BSN, RN; Julie Stone, BSN, RN, CPN; Cassi Smola, MD; Sarah Hargrave, MS, IV; Dawn Taylor Peterson, PhD, EdS, MEd; Marjorie Lee White, MD, MPPM, MEd

RESEARCH ABSTRACT #531

Impact of a Simulation-based Standardized Curriculum on Reducing Thoracentesis-induced Pneumothorax

Presenter: Joshua Lenchus, DO, FACP, FHM

Authors: Joshua Lenchus, DO, FACP, FHM; Alice Gallo de Moraes, MD; Megha Garg, MD, MPH

Orientation to Simulation Technology as a System

Room: 30D

4EP.1649

Expert Panel

Course Overview: This session will provide an orientation of the various technological systems that make up a simulation system. Both educators and technicians looking to understand the context of the relationship these technologies form will benefit from this overview.

Course Director: H. Michael Young

Faculty: Kam McCowan, BS EMT; H. Michael Young

Redesigning and Sustaining the Gains of Nursing Department Orientation

Room: 29C

4EP.744Adv

Expert Panel

Course Overview: This session will review the process of how an institution transitioned from traditional nursing department orientation to designing a program that incorporates the electronic medical record (EMR), simulation, specific content areas, and a report card process. Evaluation of retention rates, sustainability of competence, and integration into an advanced skills day will also be discussed.

Course Director: Stephanie Wintch, RN, BSN

Faculty: Stephanie Wintch, RN, BSN; Linda Hargreaves, RN, MSN

State of the Evidence (Part 2): Deliberate Practice and Mastery Learning

Room: 20B/C/D

4PP.200Adv

Podium Presentation

Course Overview: Session two of six. This session compares and contrasts two recent meta-analyses. The first was focused specifically on deliberate practice. The second focused more broadly on the effectiveness of SBME with a sub-group analysis examining mastery learning. These two approaches to SBME demonstrate how sound pedagogical theory can lead to more effective simulation-based education.

Course Director: Rose Hatala, MD, MSc

Faculty: Rose Hatala, MD, MSc; David Cook, MD, MHPE; William McGaghie, PhD

Virtual Communities: Contextualizing the Simulation and Lab Experiences

Room: 22
4EP.1112Int
Expert Panel

Course Overview: The purpose of this presentation is to discuss the use of a virtual community as a foundation for educating healthcare practitioners in simulation and clinical laboratory experiences. A virtual community is an innovative, web-based application that features stories of individuals that allows students to gain a lived experience through the perspective of the character. Virtual communities provide an opportunity for faculty to link theory to context through the lived experience of patients.

Course Director: *Michelle Aebersold, PhD, RN*

Faculty: *Michelle Aebersold, PhD, RN; Cynthia Fenske, RN, MS, CNE*

Working Effectively with Media to Promote Your Simulation Center and Programs

Room: 23B
4RT.309Int
Meet the Simpros Roundtable Discussion

Course Overview: Direction of simulation centers often requires skills for which directors are not usually trained. Working with the media, particularly television, is one example. This session will introduce participants to skills for working with media relations departments in universities and health care organizations, developing talking points, and doing filmed and/or recorded interviews. Participants will gain these skills through the video analysis of successful and unsuccessful examples of media assets, role play, and discussion.

Course Director: *Jane Miller, PhD*

Faculty: *Jane Miller, PhD*

Monday, January 30, 2012

1:00 PM to 2:30 PM 1.50 Contact Hours

Application of Sim-PICO: A Framework for Developing and Reporting Debriefing Research

Room: 25A/B/C
4WS.459Int
WORKSHOP

Course Overview: This interactive workshop will describe: 1) the current gaps in debriefing literature, 2) the Sim-PICO framework, and 3) the 5 W approach to formulating debriefing research questions. An example of a research question utilizing the framework and approach will be presented. Small groups will then formulate and present research questions applying the Sim-PICO framework and 5 W approach.

Course Director: *Mindi Anderson, PhD*

Faculty: *Mindi Anderson, PhD; Vinay Nadkarni, MD, MS, FCCM; Georges Savoldelli, MD, MEd; Daniel Raemer, PhD; Adam Cheng, MD, FRCPC, FAAP; Ruth Fanning, MB, MRCPI, FFARCSI*

Beyond Education and Training: Challenges of Running Medical Simulators in New Paradigms

Room: 30E
4EP.1640
EXPERT PANEL

Course Overview: Technicians are well versed in providing simulation-based training to a wide range of learners. However, as simulation becomes more established mainstream healthcare environments, uses for simulation are also expanding. This interactive session will explore unique emerging uses for simulation, such as research, product testing, simulator development, patient safety and systems analyses.

Course Director: *Jacob Seagull,*

Faculty: *Roger Smith; Kenneth Byrd, PhD; Jacob Seagull; Jill Sanko, MSN*

Creating Visual Impact: Making a Quality Simulation Video

Room: 33B
4WS.673Int
WORKSHOP

Course Overview: A well-designed simulation video can have tremendous impact on the educational and marketing goals of a simulation center. Participants will create a short simulation video. Techniques for capturing quality audiovisuals will be practiced. Creation of storyboards, and the incorporation of images, videos, transitions, text, audio, and narration will be demonstrated. Concepts for effective digital workflow will be covered including: staging, capture, ingestion, post-production editing, and delivery media. Participants are asked to bring an Apple laptop with iMovie.

Course Director: *Ernest Wang, MD*

Faculty: *Morris Kharasch, MD; Peggy Ochoa, RNC-OB, BS, MS; Shekhar Menon, MD; Pamela Aitchison, RN; Ernest Wang, MD*

Debriefing Olympics

Room: 20A
4WS.79Adv
WORKSHOP

Course Overview: An innovative and dynamic format will be used for this newest IMSH competition series. Three debriefers will assess a team of three role players seen on a video. Judges will provide feedback to the debriefers and the audience will reflect on their performance and the feedback. Audience members, judges and guest debriefers will rate the debriefings, and discuss and reflect the process.

Course Director: *Peter Dieckmann, PhD*

Faculty: *Ronnie Glavin, MB, Mphil, FRCA; Peter Dieckmann, PhD*

Effective Simulation Operations : Taking a Case from Conception to Completion

Room: 31C
4WS.370Beg
WORKSHOP

Course Overview: In this session, participants will receive a written scenario, work through novel methods that can be deployed to operationalize the case, and examine ways to use these methods in their own centers.

Fidelity - make it real; Equipment and Supplies - what you need; Programming - Get it into the computer and make it run; Logistics - Move learners in and out; Faculty - Consistent and complete delivery; Technology glitches and system failures - fix them.

Course Director: *John Lawson, ACP III*

Faculty: *David Pederson, MEd; John Lawson, ACP III; Reid Adams, BA*

Introduction to Data Management and Reporting of Simulation Program Activities

Room: 32A
4WS.268Int
WORKSHOP

Course Overview: This facilitated session will discuss the basic terminology used to assess the activities in a simulation center, including common terms such as: center utilization, learner hours, etc. Strategies and procedures for collecting these data sets will be discussed. The learner will participate in analyzing several scenarios, and learn how to report those findings to various constituents.

Course Director: *Sandra Feaster, RN, MS, MBA*

Faculty: *Sandra Feaster, RN, MS, MBA; Troy Reihsen; John Shatzer, PhD; John Lutz, BS*

Medium is the Message: Maximizing the Use of Video Before, During and After Simulation to Cultivate Continuous Learning and Reflective Practice

Room: 31A
4WS.1140Adv
WORKSHOP

Course Overview: The "medium is the message" refers to how technology affects the human sensory experience. This workshop explores how the MSR video debrief method may transform the felt experience for learners and educators; and the multipurpose use of video to cultivate deep learning across a variety of contexts. Participants will be equipped with foundational knowledge and skills about using video - pre, during and post-simulation - to push the zones of proximal development to their limits.

Course Director: Ann Russell, PhD

Faculty: Liat Pessach; Amitai Ziv, MD, MHA; Ann Russell, PhD

Patient-centered Simulation: Involving Patient Family Advisors in Curriculum Development and Delivery

Room: 24A/B/C
4WS.450Int
WORKSHOP

Course Overview: Patients and families are at the heart of our efforts to improve training and skills through simulation, but they are often not at the table as we construct simulation experiences for learners. This workshop will explore the use of Patient and Family Advisors in the development and delivery of simulation experiences, building on work the faculty has done with modules for Professionalism and Interpersonal Skills and Communication.

Course Director: Tina Foster, MD, MPH, MS

Faculty: Tina Foster, MD, MPH, MS; Ellen Lones, PhD, RN, CNOR; Marc Bertrand, MD; Stephen Campbell

Safety First...Then What? Teaching Procedural Sedation Outside of the OR: Education and Assessment

Room: 30B
4WS.196Adv
WORKSHOP

Course Overview: In this workshop, faculty will introduce one institution's procedural sedation educational curriculum for pediatric trainees. This interactive program incorporates lectures, standardized patients, and high-fidelity simulation to teach informed consent, pre-sedation assessment and management of adverse events. Through small group discussion and videotape review, workshop participants will critically analyze teaching points within the curriculum, including competency-based assessment tools, and discuss how best to apply this model at their home institutions.

Course Director: Linda Brown, MD, MSCE

Faculty: Linda Brown, MD, MSCE; Frank Overly, MD, FAAP; Susan Duffy, MD, MPH; Elizabeth Jacobs, MD

Sim Worldwide: A Distributive Learning System for Sharing Simulation Experiences Via the Internet

Room: 28A
4EP.1475Adv
Expert Panel

Course Overview: Simulation allows learners to use and assess their knowledge in real time with realistic feedback based on their actions. Learning is also enhanced for those observing the collaborative decision-making processes and interactions of the participants. Many institutions do not have the assets to make simulation part of their curriculum. Faculty will present a method in which simulation sessions can be broadcast via the internet so that techniques and lessons can be shared among institutions.

Course Director: *Martin Eason, MD, JD*

Faculty: *Viji Kurup, MD; Jake Drumm, EMT-P; Dawn Tuell, MD; Christine Park, MD; Christopher Gallagher, MD; Martin Eason, MD, JD*

Simulate the Tough Times: An Interprofessional Approach

Room: 30C
4WS.228Adv
WORKSHOP

Course Overview: This workshop will focus on simulation curriculum designed to teach skills and behaviors to healthcare professionals dealing with tough patient situations. Participants will work through the actual simulations used such as: 1) telling someone they or their loved one has a terminal illness; 2) end of life care; 3) dealing with DNR status; and 4) child abuse and communication with the suspected abusers.

Course Director: *Gail VanVoorhis, MSN, RNC*

Faculty: *Gail VanVoorhis, MSN, RNC; Mary Warden, MD; Mel Wright, DO, FAAP; Daniel Summers, RN, BSN, CEN; David Wilks, MD*

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SP as Coach: The Art and Science of Giving Verbal Feedback

Room: 32B
4WS.913Int
WORKSHOP

Course Overview: This session will focus on the research literature about feedback and apply it to the Standardized Patient or simulation educator giving oral feedback to a clinician after an encounter. It will describe the value of such feedback, a measure of the quality of the feedback, and the training methods used to teach SPs to give feedback. There will be videos of SPs giving feedback that participants can observe and evaluate.

Course Director: *Carol Pfeiffer, PhD*

Faculty: *Carol Pfeiffer, PhD*

Surgery Bootcamp Workshop

Room: 33A
4WS.378Adv
WORKSHOP

Course Overview: Incoming residents and fellows have varying levels of expertise; participation in Boot Camps provides opportunities to develop baseline information and skills to support safe, quality patient care. This workshop explores the design of Boot Camp objectives, logistics and outcomes, using small group brainstorming followed by large group discussion of challenges and solutions. Boot Camps can be designed around procedural skills, treatment principles, and/or a specific institutional orientation, and engage and excite both learners and faculty.

Course Director: *Ellen Deutsch, MD*

Faculty: *Sonya Malekzadeh, MD, FACS; Andreas H Meier, MD, MEd, FACS; Kelly Malloy, MD; William Havron, MD; Ellen Deutsch, MD*

Undergraduate Medical Education: Creating a Comprehensive Interdisciplinary Simulation Program for Medical Students

Room: 31B
4WS.374Adv
WORKSHOP

Course Overview: This workshop will focus on the development of simulation courses for medical students during both their pre-clinical (first year) and clinical (third year) training. The interactive session will address: 1) designing a sustainable curriculum that creates appropriate scenarios for medical students with differing levels of experience; 2) strategizing methods to recruit faculty participants from multiple specialties; and 3) implementing educational research projects based on the simulation course to promote faculty academic productivity.

Course Director: *Leigh Evans, MD*

Faculty: *James Bonz, MD; Richard Gusberg, MD, FACS; Anne Merritt, MD; Devon Fagel, JD; Kelly Dodge, MD; Nancy Angoff, MD, MPH, MEd; Leigh Evans, MD*

Monday, January 30, 2012

2:00 PM – 2:45 PM 0.75 Contact Hours

Before the Code Team Arrives: In Situ Simulations for Non-code Team Staff

Room: 28D
4PP.1147Adv
Podium Presentation

Course Overview: This presentation focuses on the experiences of implementing and sustaining an ongoing program providing in situ, high-fidelity simulated codes for interdisciplinary staff prior to code team arrival. Topics will include: 1) rationale for implementation; 2) getting started; 3) evolution of our critical action assessment tool; 4) challenges noted throughout the journey; 5) system response; and (6) lessons learned.

Course Director: *Gail Johnson, MS, BSN*

Faculty: *Gail Johnson, MS, BSN; Krista Kipper, BSN, RN*

Blind Debrief: Placing the Learner Needs at the Center of the Debrief

Room: 29D
4PP.463Adv
Podium Presentation

Course Overview: Debrief holds the key to learning within the simulated environment. Keeping the learner at the center of the debrief can prove hard when faculty enter a debrief situation with set objectives having watched the scenario play out. Blinding one debriefer to the scenario forces them to address the issues key to the learners, not themselves. This is an effective tool for development of faculty debriefing skills.

Course Director: *Libby Thomas, BMedSci, BMBS*

Faculty: *Libby Thomas, BMedSci, BMBS*

Caring for Older Adults: Making the ACES Cases Come Alive

Room: 23B
4RT.594Adv
Meet the Simpros Roundtable Discussion

Course Overview: Nursing Faculty at Oregon Health and Science University utilized the National League for Nursing, Advancing Care Excellence for Seniors (ACES) cases to teach care of the older adult. In order to portray the human aspect of the cases, actors brought the cases to life. The presenters will demonstrate and discuss methods used.

Course Director: *Mary Cato, MSN, RN*

Faculty: *Mary Anna Gordon, DNP, RN; Mary Cato, MSN, RN*

Critical Thinking, Basic Skills, and Simulation. How Do You Incorporate Clinical Simulation into Every Skills Lab?

Room: 28C
4PP.901Beg
Podium Presentation

Course Overview: Imagine a simulation experience that lasted an entire semester rather than just an hour or two. A simulation where students meet a simulated patient at the beginning of their basic skills course and follow that patient through the semester. Learning basic skills, how to individualize care based on a patient's needs, practice communication, medical terminology and documentation in a simulated patient record. A little planning and the basic skills lab becomes a high-fidelity simulation environment.

Course Director: Daniel Kane, MEd, RN, EMT-P

Faculty: Daniel Kane, MEd, RN, EMT-P

Innovations in Pediatric Simulation Curriculum: Bringing Disciplines Together, Enhancing Skills, Improving Outcomes

Room: 29C
4EP.406Int
Expert Panel

Course Overview: Simulation is becoming an integral part of pediatric education as it provides a risk-free environment for physicians, trainees, nurses and allied health professionals to learn the precepts of team functioning, in addition to learning medical management and technical skills. These precepts include leadership, roles and responsibilities, communication, situation awareness and resource utilization. This expert panel will provide insight into developing cutting edge, interprofessional curricula that optimizes simulation as a learning modality.

Course Director: Allan Shefrin, MD, FRCPC

Faculty: Elaine Sigalet, MN, BSN; Allan Shefrin, MD, FRCPC; Jennifer Reid, MD

Oral Presentation: Clinical Outcomes and Quality Improvement

Room: 23C
4RT.1658
Research and Program Innovations

TECHNOLOGY & PROGRAM INNOVATION ABSTRACT #1466

Multidisciplinary Development of a High-fidelity Simulation Scenario for Pediatric Airway Emergencies

Presenter: Kaalan Johnson, MD

Authors: Jeffrey Houlton, MD; Kaalan Johnson, MD; Jennifer Oehler, RN; Jerome Bauer, RN; Gary Geis, MD; Benjamin Kerrey, MD

TECHNOLOGY & PROGRAM INNOVATION ABSTRACT #692

Full Scale Multidisciplinary In-situ Simulation Prior to Opening a New Pediatric Emergency Department

Presenter: David Kessler, MD, MS

Authors: David Kessler, MD, MS; Melissa Cappaert, MA; Daniel Tsze, MD, MPH; Carolyn Kyne, RN; William Middlesworth, MD, FACS, FAAP; Meredith Sonnett, MD, FAAP; Dennis Fowler, MD, MPH, FACS

TECHNOLOGY & PROGRAM INNOVATION ABSTRACT #1129

Use of Human Simulation for the Development of a Multidisciplinary Obstetric Massive Transfusion Protocol

Presenter: Evelyn Lockhart

Authors: Evelyn Lockhart, MD; Terrence Allen, MBBS, FRCA; Ravi Gunatilake, MD; Gene Hobbs, CHT; Jeffrey Taekman, MD

Orientation to Clinical Terminology

Room: 30D
4WS.1638Beg
Workshop

Course Overview: This session provides an overview and an introduction to terminology that is commonly used in clinical healthcare simulation. The goal of the session is to create a framework for learning and understanding healthcare terminology. It is not to cover all (or even a large fraction) of the terms a simulation technology specialist is likely to hear in a typical day.

Course Director: Kam McCowan, BS EMT

Faculty: Kam McCowan, BS EMT; John Cordova, RN, Rachel Bailey

Programmatic Implementation of Standardized Patient Education Methodology: From Its Beginnings, Into Simulation

Room: 28B
4EP.580Int
Expert Panel

Course Overview: The Standardized Patient (SP) Education Methodology was developed in the 1960s to provide realistic and controllable formative and summative opportunities in clinical skills education. In this session a panel of SP experts will discuss the history of the methodology and basic standard terminology, and provide a survey of the various uses of SPs in medical and non-medical fields. This background information will support a discussion of standards of practice for uses of the SP in high-fidelity simulations today. Audience participation will be solicited throughout the session.

Course Director: Kris Slawinski, MA

Faculty: Kris Slawinski, MA; Jennie Struijk, MEd; Karen Reynolds, RN, MS; Gayle Gliva McConvey

Serious Gaming in Obstetrics

Room: 22
4WS.466
Workshop

Course Overview: In this workshop, participants are challenged to define, develop and apply serious gaming in womens' health. Participants will formulate game requirements and can evaluate them within a serious game for breech delivery during hands-on gameplay. The session concludes with a group discussion on the role and implementation of serious gaming in obstetric training curricula.

Course Director: *Guid Oei, MD, PhD*

Faculty: *Beatrijs van der Hout, MSc; Laura de Wit-Zuurendonk, MD; Guid Oei, MD, PhD*

Simulation Center Design: From Perils to Pearls

Room: 28E
4EP.361Int
Expert Panel

Course Overview: This panel brings together a combination of simulation professionals who have recently created or re-designed simulation spaces ranging from single room facilities to 25,000 sq. ft. multi-use spaces. This panel is intended for participants who are currently or are anticipating the development or redesign of a medical simulation center. This panel will provide insight and furnish ideas on how to make the space functional and user friendly for both the learners and staff.

Course Director: *Jared Kutzin, DNP, MPH, RN*

Faculty: *Barbara DeVoe, DNP, FNP-BC; Charles Pozner, MD; Jared Kutzin, DNP, MPH, RN*

Simulation Fellowships: Worth Their Weight?

Room: 20B/C/D
4RT.1327Adv
Debate

Course Overview: Fellowships focused on experiential learning through simulation have emerged within multiple academic centers. This expert panel, including leaders of three such fellowships, will examine the factors associated with the decision-making processes in fellowship creation, the possible added value associated with simulation education specialty training, and the hurdles associated with simulation as a career path. Philosophical issues and barriers associated with simulation-specialty training will be actively pursued. Active participation by attendees is encouraged.

Course Director: *William Dunn, MD, FCCM, FCCP*

Faculty: *John Vozenilek, MD, FACEP; William Dunn, MD, FCCM, FCCP; David Farley, MD; James Gordon, MD, MPA*

Simulation in the Pre-clinical Years: A Systematic Approach

Room: 29B
4PP.641Int
Podium Presentation

Course Overview: The New York College of Osteopathic Medicine's curriculum includes a structured Clinical Skills and Robotic program for students in the first and second pre-clinical years. It includes a series of workshops and high-fidelity robotics simulations that address the American College of Graduate Medical Education (ACGME) Core Clinical Competencies. The program culminates in an end of second year Robotic OSCE examination. The session details the curriculum design, logistics and results of this unique program.

Course Director: *Patricia Myers, BS, MT*

Faculty: *Patricia Myers, BS, MT; Tony Errichetti, PhD*

Update on Certification of Healthcare Simulation Educators

Room: 29A
4EP.145Int
Expert Panel

Course Overview: **Contact hours not available for this presentation.** This presentation will update the attendee on the status of the Certification Healthcare Simulation Educator project being developed by SSH. This will include progress to date as well as the upcoming schedule and release dates for the different levels of certification. Standards and expectations for certification candidates will also be shared and discussed. Attendees will be able to ask questions and should walk away with a clear picture of the Certification project.

Course Director: *Andrew Spain, MA, NCEE, CCP-C*

Faculty: *Andrew Spain, MA, NCEE, CCP-C; Joseph Lopreiato, MD, MPH*

Monday, January 30, 2012

3:00 PM to 3:45 PM 0.75 Contact Hours

All Medical Education is Simulation

Room: 29B
4PP.1249Adv
Podium Presentation

Course Overview: Building on previous work in this area, this presentation will provide a conceptual, theoretical, philosophical as well as a practical exposition of the idea of all medical education being some form of simulation. It will explore the idea of the more or less abstract patient presence as well as a number of implications for simulation as a discrete praxis and for medical education as a whole.

Course Director: Rachel Ellaway, PhD

Faculty: Rachel Ellaway, PhD

Breaking Down the Silos: Two Methods for Offering Interprofessional Learning Opportunities

Room: 28A
4EP.525Beg
Expert Panel

Course Overview: With the release of the Interprofessional Education Collaborative's Core Competencies for Interprofessional Collaborative Practice, health professional schools continue to seek methods for integrating IPE into their curricula. This expert panel will include faculty from medicine, nursing, and pharmacy and will examine two successful methods at a major institution for implementing team work training. The panel will address and discuss opportunities and challenges for including all four IPE competency domains both in training and assessment.

Course Director: Donald Woodyard, BS

Faculty: Donald Woodyard, BS; Cherri Hobgood, MD; Carol Durham, RN, EdD, ANEF; Kelly Scolaro, PharmD

Building the Capacity for Simulation in Asia Through Networking and Collaboration

Room: 28B
4EP.1450Adv
Expert Panel

Course Overview: This presentation will describe the genesis and convening of the first Asia- Pacific Meeting on Simulation in Healthcare (APMSH) which was held in Hong Kong in May 2011. The Asia Pacific region is the fastest growing economic region in the world with China and India jointly sharing one third of the world's population. Simulation in the health sector is growing rapidly in this region but unsystematically as it has in other regions of the world. This panel will use four countries as illustrative examples and discuss some of the challenges that those countries were facing and how the meeting helped those countries to overcome them. There were unique issues to be faced in preparing for the Asia Pacific meeting and the discussion will conclude with our experiences, challenges and lessons learned.

Course Director: Adam Cheng, MD, FRCPC, FAAP

Faculty: Adam Cheng, MD, FRCPC, FAAP

Community Outreach and Engagement: A Mission for Simulation Centers?

Room: 23B

4RT.729Int

Meet the Simpros Roundtable Discussions

Course Overview: The role of simulation centers in medical, health sciences, and interdisciplinary education is well-established. What seems less well-established is the role/mission of simulation centers in community outreach, community collaborations, and student recruitment, with a focus on educationally disadvantaged and/or underrepresented students. Faculty for this session will propose that centers can assist in recruiting and motivating students toward health sciences careers; engage and support community interests; promote advocacy and social responsibility; engage students at younger ages; and develop community-school partnerships.

Course Director: Carol Hasbrouck, MA

Faculty: Sheryl Pfeil, MD, FACP; Carol Hasbrouck, MA

Delivering Effective Feedback with Confidence: Guiding Learners From "Needs Improvement" to "Exceeding Expectations"

Room: 29D

4PP.76Adv

Podium Presentation

Course Overview: Formative feedback is essential for learning, and an expected component of teaching. Giving appropriate feedback is a skill, not easy to learn and requires practice. Trainers also lack confidence in providing negative feedback. It is important to train the supervisors to deliver effective feedback. A workshop on effective feedback using simulation of various scenarios seems an ideal way to train the trainers. This presentation will highlight the workshop offered to faculty in our institution

Course Director: Renuka Mehta, MBBS, MRCP, FAAP

Faculty: Renuka Mehta, MBBS, MRCP, FAAP

Developing a Scenario-based Curriculum for Dental Crisis Resource Management

Room: 29C

4PP.1012Int

Podium Presentation

Course Overview: As clinical simulation has evolved in many health professions, the typical progression begins with task training and eventually arrives at high-fidelity clinical scenarios. For dental trainees and staff, that evolution is in progress now, and this project describes our four-year experience with the emerging role of clinical simulation scenarios in dental resident training. This program will serve as a basis for further curriculum development in preparing dentists for medical emergencies in their offices.

Course Director: Shelley Miyasaki, DDS, PhD

Faculty: Shelley Miyasaki, DDS, PhD; Richard Fidler, CRNA, CRNP, MSN, MBA

Development of an Institutional ECMO Simulation Program

Room: 23A
4RT.693Adv
Meet the Simpros Roundtable Discussions

Course Overview: This session will discuss the process of instituting an institutional ECMO Simulation program, including obtaining institutional support, creation of a multidisciplinary team of medical and technical leaders, modifications to infant and child mannequins to accommodate the ECMO circuit, and development of the curriculum and learning objectives.

Course Director: Lindsay Johnston, MD

Faculty: Lindsay Johnston, MD; Jason Zigmont, PhD

In Situ Team Emergency Resuscitation Simulation: Are You ready?

Room: Military Theatre Hall G
4PP.546Int
Podium Presentation

Course Overview: How critical is interdisciplinary team communication and equipment preparation when seconds count during resuscitation of a critical patient? Walk through the development of a training model using in situ simulation that will assess and teach closed loop communication and equipment preparation and familiarization as critical components of resuscitation in an emergency department setting. Specific areas covered include: making the most of in situ training; reinforcing TeamSTEPPS concepts; and enhancing interdisciplinary communication.

Course Director: Michelle French, BSN

Faculty: Jenny Chen, MD; Michelle French, BSN

National Approach to Simulation: The Health Workforce Australia Simulated Learning Environments Program

Room: 28E
4PP.1321Int
Podium Presentation

Course Overview: This presentation will describe the development and initial establishment of a \$100M national simulation program in Australia conducted through Health Workforce Australia (HWA). With competing demands for government funding this session will explore how the funding became available for simulation. It will also describe how the project methodology was developed using a curriculum-led approach. Mark Moore's theory of creating public value underpinned the program and collaboration between the education and health sector were key drivers. The session will conclude with a description of the initial establishment of the program outlining the challenges and lessons learned in developing and establishing a program with a large geographical, multi-professional and multi-modal scope.

Course Director: Rachel Riordan, MSc

Faculty: Rachel Riordan, MSc

Nursing Online Course Design: Scenario-based Learning Using an Interactive Tool

Room: 28D
4EP.1222Beg
Expert Panel

Course Overview: This session examines elements of a new online nursing education program in which scenario-based learning is used to create opportunities for more authentic learning. The session will include various members of the design team, and will focus on the instructional theories and development processes that have supported the creation of scenario-based learning episodes. This program is a cost-effective means to provide geographically distributed learners access to healthcare simulations that support real practice.

Course Director: Moses Wolfenstein, PhD

Faculty: Moses Wolfenstein, PhD; Patrick Wirth; Tae Jeon, PhD(abd)

Oral Presentations: Human Factors

Room: 23C
4RT.1659
Research and Program Innovations

RESEARCH ABSTRACT #798 – 4th PLACE WINNER

Initial Laparoscopic Performance: Impoverished Visual-spatial Cues Compromise Movements in the Depth Plane

Presenter: Rebecca Kennedy, MS

Authors: Rebecca Kennedy, MS; Mark Scerbo, PhD

RESEARCH ABSTRACT #541

Stress Level During Emergency Care: Comparison Between Reality and Simulated Scenarios

Presenter: Augusto Scalabrini-Neto, MD, PhD

Authors: Roger Dias, MD; Augusto Scalabrini-Neto, MD, PhD

RESEARCH ABSTRACT #715

Effect of A Designated Reader and Cognitive Aid on Resident Performance During Simulation of Perioperative Emergencies

Presenter: Carlee Clark, MD

Authors: Carlee Clark, MD; Jarod Suber; Julius Hamilton; David Hall, MD; Jeremy Smalley, MD; Cory Furse, MD, MPH; Larry Field, MD; James Bullard; Peter Billas, MD; Bradley Saylor, BS; Horst Rieke, MD; Matt McEvoy, MD

Orientation to Performance and Instructional Technologies for Sim Techs

Room: 30D
4WS.1639
Workshop

Course Overview: This workshop will expose Sim Techs to the systems-based, applied science approach of performance and instructional technologies. It is intended to help Sim Techs understand the basics of applying a system-sbased, performance paradigm in which nothing is viewed as happening in isolation, and the focus of training is to maximize a learner's ability to meet measurable, relevant objectives which in turn meet organizational goals and societal needs.

Course Director: Bill Lewandowski,
Faculty: Timothy Brock, PhD, CPT; Bill Lewandowski

South Carolina Nursing Simulation Project

Room: 28C
4PP.471Int
Podium Presentation

Course Overview: In 2009, the South Carolina Council of Deans and Directors for Nursing Education entered into a contract with HealthCare Simulation South Carolina. The contract resulted in developing a project called the South Carolina Nursing Simulation Project. Through this grant-funded project, the Nursing Simulation Project was designed to create, train, and contribute simulation scenarios for 26 nursing programs and their faculty across state of South Carolina.

Course Director: Heidi Schmoll, RN, BSN, MSN-Ed
Faculty: Frances Lee, DBA; Heidi Schmoll, RN, BSN, MSN-Ed

State of the Evidence (Part 3): The Missing Outcomes: Cost and Patient Effects

Room: 20B/C/D
4PP.201Adv
Podium Presentation

Course Overview: Session ?? of six. Evidence contained in studies that have examined the costs and/or cost-effectiveness of simulation training, and studies that have evaluated patient outcomes, is the subject of this session.

Course Director: Benjamin Zendejas, MD, MSc
Faculty: David Cook, MD, MHPE; Benjamin Zendejas, MD, MSc; Amy Wang, MD

Using Simulation to Teach Clinical Judgment in the Care of a Geriatric Patient

Room: 29A

4PP.1530Int

Podium Presentation

Course Overview: This session describes quasi-experimental, mixed methods research done at five sites, including one international site. The primary feature is a three-phase unfolding simulation, using a video exemplar in the care of a geriatric surgical patient. Clinical judgment is the key skill of the study. In addition to discussing the use of the video and the significant findings, learners will explore other ideas for research involving role modeling, and /or clinical judgment.

Course Director: *Kathie Lasater, EdD, RN, ANEF*

Faculty: *Elizabeth Johnson; Kathie Lasater, EdD, RN, ANEF*

Monday, January 30, 2012

3:00 PM to 4:30 PM 1.50 Contact Hours

Challenges in Medical Modeling and Simulation

Room: 30E
4EP.1641
Expert Panel

Course Overview: This panel session will examine current and future Immersive and Holographic Imaging to provide participants with information on current challenges in this technology area for healthcare simulation. Expert panelists will include researchers and developers working to enhance three-dimensional visualization technology for medical modeling and simulation. Panelists are experts in their fields and employ engineering technology to develop specific systems for health sciences education that are highly dependent on accessible, affordable, and realistic visualizations.

Course Director: Catherine Strayhorn,
Faculty: Catherine Strayhorn

Fine Tune Your Simulation Course: Pre-and Post-briefing

Room: 31A
4WS.726Adv
Workshop

Course Overview: This session will offer participants various tools to practice and fine-tune their own simulation courses by integrating debriefing of faculty, instructors and facilitators, pre- and post-course.

Course Director: Susanne Odelskog, RN, BSN
Faculty: Christine Airey, RN, MSN; Erika Abel, MD; Laura Haubner, MD; Susanne Odelskog, RN, BSN; Cindy Dedrick, PhD

Innovative Collaborations in Simulation-based Education and Research

Room: 33C
4RT.789Int
Expert Panel

Course Overview: Simulation consortia provide opportunities for collaboration across institutions, medical specialties, disciplines (RN, MD, PhD) and content expertise (technology, education, research). These collaborative efforts have been successful in the following areas: simulation-based education, nursing education, simulation-based research, collaboration with industry, and simulation administration and policy development at the state level. This session will highlight several research and education simulation collaborations, focusing on the advantages and disadvantages of collaboration.

Course Directors: Marc Auerbach, MD, MSCI; David Kessler, MD, MS
Faculty: KT Waxman, DNP, MBA, RN; David Kessler, MD, MS; C Donald Combs, PhD; Michael Seropian, MD, FRCPC; Marc Auerbach, MD, MSCI

Learning Management Systems: Enhancing Assessment of Simulation Experiences

Room: 30B
4WS.704Adv
Workshop

Course Overview: Mannequin simulation experiences are frequently video recorded. The recordings are usually used in a debriefing session to facilitate formative feedback. This session will introduce participants to Learning Management Systems (LMS). Through the use of LMS examples used at West Virginia University Health Science Center, participants will learn how to use a LMS to develop documentable summative evaluations of use to the student, instructor and program.

Course Director: David Wilks, MD

Faculty: David Wilks, MD; Daniel Summers, RN, BSN, CEN

Legislative Pizza Simulation: How Congress Creates and Passes Laws

Room: 30C
4WS.510Adv
Workshop

Course Overview: Ever wonder how the US legislative process really works? Or more important, how can you get involved to promote healthcare simulation at the federal level? This is not your typical podium talk, this session will allow you to debate, discuss, and decide the merits of a simulated piece of legislation as it moves through the Congressional process. Come and take the journey and play Congress - you will never think of pizza in the same way again!

Course Director: Sandra Feaster, RN, MS, MBA

Faculty: Greg Billings; Martha McClees; Sandra Feaster, RN, MS, MBA; Eric Brown, MD; Shirley Brown; Amanda Burden, MD; Erin Will Morton

Mrs. Hoop: An Innovative Simulation Solution That Doesn't Cost an Arm and a Leg

Room: 25A/B/C
4WS.1408Int
Workshop

Course Overview: What do you do when purchasing a high tech simulator or constructing, staffing and maintaining a simulation lab isn't possible? Learn how we designed Mrs. Hoop and her baby using locally available resources/materials and talents. Workshop attendees will get hands on experience using these low cost puppet simulators for shoulder dystocia and eclampsia drills. Plus, attendees will discover that with a little creativity Mrs. Hoop can be adapted for other types of simulation scenarios.

Course Director: Sharon Wengier, MS, APRN, CNS

Faculty: Sharon Wengier, MS, APRN, CNS; Douglas Dannaway, MD; Susan Bedwell, APRN-CNS, MS, NCNS; Abhinava Madamangalam, MBBS, MD

Parent Actors in Simulation: A Way to Learn More

Room: 33B
4WS.302Int
Workshop

Course Overview: Standardized patients are frequently utilized to enhance simulation learning. The focus of this workshop is to show how drawing on the experiences of real parents who have lived through the trauma of having a hospitalized child and have been trained in the art of a standardized parent can make learning more effective. This interactive workshop will share a variety of opportunities to engage attendees in live simulations and debriefings with trained parent actors.

Course Director: *Karen Crow, MEd*

Faculty: *Emily Follman, BA, MA; Kathy Park, BS; Beth Hankamer, MSN, BS, RN; Margaret Hassler, MSN, RN-BC; Karen Crow, MEd; James Fehr, MD; Mary Wolf*

Pearls and Pitfalls: The Development of an In-situ Simulation-enhanced Program to Assess Clinical Settings and Systems

Room: 24A/B/C
4WS.277Adv
Workshop

Course Overview: In this workshop, learners will explore the use of medical simulation as a tool to observe and assess clinical settings and systems for latent safety hazards. Learners will discuss the evolution of an in situ program, including some of the pearls and pitfalls learned along the way. Detailed information about the development and institution of this program, as well as tools utilized for assessment and sustainability, will be shared.

Course Director: *Linda Brown, MD, MSCE*

Faculty: *Susan Duffy, MD, MPH; Linda Brown, MD, MSCE; Frank Overly, MD, FAAP*

Proof is in the Video: Using Video-assisted Debriefing to Enable Team Self-reflection

Room: 33A
4WS.1354Int
Workshop

Course Overview: Although many institutions are incorporating simulation into their curriculums, few have structured programs teaching educators how to be effective video-assisted facilitators. Successful video-assisted debriefing (VAD) requires more than re-playing the entire video of the simulation. After this workshop participants will be able to: 1) Effectively facilitate using VAD; 2) Identify common pitfalls of VAD and techniques to avoid them; and 3) Understand the fundamentals and process of VAD to use in future scenarios.

Course Director: *Elizabeth Wetzel, MD*

Faculty: *Tiffany Pendergrass, RN, BSN; Tom LeMaster, MSN, MEd, NREMT-P; Tara Lang, MD; Elizabeth Wetzel, MD*

Research Worlds: From Quantitative to Qualitative to Postmodern

Room: 32A
4WS.448Adv
Workshop

Course Overview: This workshop invites participants to experience multiple worlds of health care scholarship, and explore emerging trajectories in research, education, and interprofessional practice. Participants will be invited to consider distinctions among various communities of scholarship and their implications for concepts such as quality, validity, reliability, generalizability, and utility. The workshop will consider possible orientations for research including Quantitative, Qualitative, Postpositivist, Postmodern and Relational/Contextual; and allow participants to experience and discuss new possibilities for collaboration and transformation.

Course Director: *Ellen Raboin, MBA, MSOD, PhD*

Faculty: *Ellen Raboin, MBA, MSOD, PhD; Sheila McNamee, PhD; Paul Uhlig, MD*

Scenario Design and Debriefing for Dummies

Room: 31C
4WS.619Beg
Workshop

Course Overview: This workshop is designed for simulation beginners and newcomers interested in learning about basics of scenario design and debriefing. Faculty will discuss selection of appropriate scenarios or events for use in simulation and methods for bringing the scenario to life. In the second half of the workshop, the basics of debriefing will be presented, along with opportunities for practice.

Course Director: *Rachel Kacmar, MD*

Faculty: *Reuben Eng, MD; Rachel Kacmar, MD; Lauryn Rochlen, MD; Luke Theilken, MD; Christine Park, MD*

Simwars!

Room: 20A
4PS.1629
Sim on Stage

Course Overview: Simwars is an interactive simulation competition that allows teams of clinical providers to compete against each other on simulated patient encounters in front of a large audience. The competition allows teams to demonstrate their communication, teamwork, and clinical management skills. A simulated clinical environment is created for this competition. Upon completion of each simulation encounter, three expert judges give feedback in the form of a mini-debriefing. The audience then votes on a winner.

Course Directors: *Stephen Andrew Godwin, MD; Lisa Jacobson, MD; Haru Okuda, MD*

Teams Pending

Stop and Go Debriefing: An Alternative to the Post-Scenario Debrief

Room: 31B
4WS.240Int
Workshop

Course Overview: Learning during simulation takes place not only during the scenario but more importantly during the debriefing. Traditionally this debriefing takes place after the scenario. In this session we will demonstrate the use of the "Stop and Go" method which offers a different approach to traditional post scenario debriefing.

Course Director: *Micha Erwtelman, MD*

Faculty: *Micha Erwtelman, MD; Ralf Krage, MD; Ludmilla Garmers, MD*

Transforming Daily Simulation Activities into Scholarship and Research

Room: 32B
4WS.807Int
Workshop

Course Overview: Every simulation educator develops unique, creative approaches to educational challenges that can benefit others. These should be evaluated and shared within and beyond our simulation community, which is what scholarship is all about. This workshop will first present the new expanded vision of scholarship and how it can help build scholarship into everyday activities. Guided by experienced leaders, participants will then learn and practice how to craft their own ideas into scholarly presentations and publications.

Course Director: *Rachel Yudkowsky, MD, MHPE*

Faculty: *Rachel Yudkowsky, MD, MHPE; Claudia Ranniger, MD, PhD; Benjamin Jim Blatt, MD; Lou Clark, MA, MFA; Joseph Lopreiato, MD, MPH*

Monday, January 30, 2012

4:00 PM to 4:45 PM 0.75 Contact Hours

Anesthesia Residency Simulation Curricula: Models, Challenges, Pitfalls, and Tips for Developing or Expanding your Program

Room: 28A
4EP.134Adv
Expert Panel

Course Overview: Many anesthesia departments and faculty want to further expand or create simulation-based learning opportunities for their residents. The American College of Graduate Medical Education (ACGME) is in fact now requiring all anesthesia residents to have a simulation experience every year. This expert panel will address some common challenges, providing a variety of models for residency education with simulation. Moderator questions will include topics such as: Types of simulation, faculty training, resident and faculty release time, interprofessional sessions with other trainees, and more.

Course Director: Sara Goldhaber-Fiebert, MD

Faculty: Sara Goldhaber-Fiebert, MD; John Randy Darby, MD; Christine Park, MD; Adam Levine, MD

Bringing Henry and Ertha to Life: Using a Virtual Environment to Advance Care Excellence for Seniors

Room: 28D
4PP.1208Adv
Podium Presentation

Course Overview: Nurse educators today are facing unparalleled challenges as they address the changing demographics of today's learners and the requirements of the practice environment. This presentation will discuss the results of an NLN Health Information Technology Scholar project where nursing students were given the option of running one of the NLN ACES simulation scenarios in the nursing lab or in a virtual reality environment. This unique and interesting approach had some surprising results.

Course Director: Jone Tiffany, DNP, MA, RNC

Faculty: Jone Tiffany, DNP, MA, RNC

Can We Teach, Refine, and Evaluate Interprofessional Practice in the Simulation Center?

Room: 20B/C/D
4RT.1106Adv
Debate

Course Overview: Interprofessional collaboration has shown promise for improving patient safety. The World Health Organization recently issued an action framework for interprofessional education (IPE) and healthcare collaboration, including a summary supporting the use of IPE. Within this context and with the belief that experiential learning promotes effective IPE, simulation educators have begun to investigate the proper place for simulation within IPE and collaboration. The debate will consider balances of efficacy, feasibility, and priority for simulation educators.

Course Director: Keith Littlewood, MD

Faculty: Keith Littlewood, MD

Federal Medical Simulation and Training Consortium: Mission, Initiatives, and Partnerships

Room: Military Theatre Hall G
4EP.1655
Expert Panel

Course Overview: The Federal Medical Simulation and Training Consortium (FMSTC) is a partnership between nine federal medical training institutions. They comprise of members from the military, the Office of the Secretary of Defense (Health Affairs), and the Department of Veteran's Affairs. The mission of the FMSTC is to enhance the medical education and training mission of its member institutions. Its members will accomplish this through knowledge sharing, collaboration toward common goals, and participation in joint training initiatives.

Course Director: *Gilbert Muniz, PhD*

Faculty: *Gilbert Muniz, PhD, CPT Alan Liu*

Formal Training of Communication Skills (Informed Consent and Giving Bad News) for Physicians Working in High Risk Environments

Room: 29D
4EP.37Int
Expert Panel

Course Overview: Inadequate communication is a source of liability for healthcare providers. Although communication expertise is critical to providing excellent surgical care, the necessary knowledge and skills for effective communication are rarely taught in a training environment. Feedback from supervisors is rare and role models are scarce. However, relatively short training experiences involving standardized patients and didactic lectures can improve the communication skills of postgraduate trainees. In this workshop, faculty will share lessons learned from their experiences in communication skills education.

Course Director: *Mikio Nihira, MD, MPH*

Faculty: *Mikio Nihira, MD, MPH; Melinda Hamilton, MD*

Health Information Technology Scholars (HITS) Project: An Interprofessional Simulation in Pharmacy and Nursing

Room: 28C
4PP.951Int
Podium Presentation

Course Overview: This Health Information Technology Scholars (HITS) project included the development and piloting of an interprofessional simulation between nursing and pharmacy with an inpatient EMR component. The objectives of this course include role understanding, communication and patient safety.

Course Director: *Beth Hallmark, PhD*

Faculty: *Beth Hallmark, PhD; Kelley Kinningham, MS, PhD*

High-fidelity Simulation in Dental Clinics: Improving Systems, Staff, and Stuff

Room: 29C
4PP.1148Int
Podium Presentation

Course Overview: This presentation will discuss the experience of a simulation program providing in situ simulations in the dental environment. In situ dental simulations involving the entire clinic team were implemented at 17 dental clinics annually for the past three years. This session will explore the challenges and needs specific to the dental community, lessons learned and considerations for implementing similar programs. Faculty will share how this program has improved systems/processes, staff knowledge and skills, and emergency equipment (stuff).

Course Director: *Gail Johnson, MS, BSN*

Faculty: *Gail Johnson, MS, BSN; Krista Kipper, BSN, RN*

Hospital-based Faculty Development Program: Educating Clinical Faculty to Integrate and Increase the Use of Simulation in Training Programs and Curricula

Room: 29A
4PP.1121Int
Podium Presentation

Course Overview: The Patient Safety Training Course (PSTC) at Dartmouth-Hitchcock Medical Center identified the largest obstacle to using simulation in the clinical setting was lack of faculty who had expertise to use this method effectively. The PSTC created a novel faculty development program based on adult and experiential learning theory. This program was found to be an effective method of improving the skills of those responsible for training a large workforce to practice evidence-based and safe patient-centered care.

Course Director: *Frances Todd, MSN, RN*

Faculty: *Frances Todd, MSN, RN; Ellen Lones, PhD, RN, CNOR*

Oral Presentations: Human Factors

Room: 23C
4RT.1660
Research and Program Innovations

TECHNOLOGY & PROGRAM INNOVATION ABSTRACT #1347

Comprehensive Procedural Skills Curriculum for Medical Students: Skills Selection and Curricular Integration

Presenter: *Claudia Ranniger, MD, PhD*

Authors: *Claudia Ranniger, MD, PhD*

TECHNOLOGY & PROGRAM INNOVATION ABSTRACT #341

BodyWindows: An Augmented Reality System for Interactive "X-Ray Vision" of Anatomy, Dynamic Physiology and Clinical Procedures in Mannequin Simulators

Authors: Joseph Samosky, PhD; Bo Wang, BS; Douglas Nelson, BS; Russell Bregman, BS; Andrew Hosmer, MS; Robert Weaver, BS

Presenter: Joseph Samosky, PhD

TECHNOLOGY & PROGRAM INNOVATION ABSTRACT #559

Simulating Information Technology: An Electronic Medical Record as an Enhancement in Medical Simulation

Authors: Thomas Giguere, MD; Reid Adams, BA; Donald Leveille, MD; David Pederson, MEd

Presenter: Thomas Giguere, MD

Rapid Cycle Deliberate Practice: A Novel Paradigm for Simulation Curriculum

Room: 29B

4PP.222Int

Podium Presentation

Course Overview: Reviews of the simulation literature highlight that deliberate practice and feedback are among some of education's best practices. This presentation introduces a novel variant of deliberate practice known as Rapid Cycle Deliberate Practice, a curriculum methodology that combines focused debriefing with repetitive practice to assist teams meeting pre-established time-dependent guidelines such as BLS, Difficult Airway, Shock, etc... We emphasize concepts such as: 1) rapid cycling between feedback and practice; 2) gold standard choreography; 3) opportunities to rewind and try again; and 4) overlearning.

Course Director: Elizabeth Hunt, MD, MPH, PhD

Faculty: Elizabeth Hunt, MD, MPH, PhD

Simulation on the Front Line: Providing Rural Hospitals Access to Simulation Training

Room: 28E

4PP.1421Int

Podium Presentation

Course Overview: This session will present our process for the creation of a regional mobile simulation service that will become state-wide September 1, 2011. Topics covered will include concept, start-up, development, marketing, implementation, and lessons learned.

Course Director: Dena Higbee, MS

Faculty: Dena Higbee, MS; Faith Phillips

Training the Exceptional Surgeon

Room: 28B

4PP.612Adv

Podium Presentation

Course Overview: Most current simulation systems are aimed primarily at psychomotor and procedural skills. However, these are but a small subset of the portfolio of skills needed to be a successful surgeon. The purpose of this workshop is to discuss the range of cognitive and social skills critical for progressing from novice, to intermediate, to exceptional surgeon.

Course Director: Mark Scerbo, PhD

Faculty: Mark Scerbo, PhD

Tuesday, January 31, 2012

8:00 AM – 9:15 AM 0.75 Contact Hours

Michael S. Gordon Lecture on Medical Education

Human Factors: Limiting Iatrogenic Harm

Room: 20B/C/D

5PS.1625

Plenary Session

Course Overview: Mark Scerbo, PhD, will discuss *human factors*, a discipline concerned with understanding the capacities and limitations of humans, and creating technology, tools, and systems to better accommodate people. Human factors professionals work in numerous high-risk environments, including healthcare, to improve worker performance and increase safety. Many types of simulation are used to better understand factors that contribute to error and to design more effective technology and systems to limit the potential for error and unintended harm.

Faculty: Mark Scerbo, PhD

Tuesday, January 31, 2012

9:30 AM – 10:15 AM 0.75 Contact Hours

Are We a Simulation Center or a Delicatessen?

Room: 28C
5PP.1318Int
Podium Presentation

Course Overview: This session will describe the use of food grade animal tissue for the teaching, practice, and evaluation for surgical skills. The construction and utilization of surgical models will be demonstrated for bowel anastomosis, fourth degree episiotomy repair, suturing and knot tying, electrocautery, harmonic scalpel use, video assisted thoracoscopic surgery (VATS) and basic laparoscopic skills.

Course Director: Charles Fort, MSN, RN
Faculty: Charles Fort, MSN, RN

Conflict of Interest Considerations for Authors and Faculty

Room: 28A
5EP.1602
Expert Panel

Course Overview: Description pending

Course Director: Danyel Helgeson
Faculty: Faculty pending

Dental Affinity Group Program: In Situ Emergency Management Simulation

Room: 23B
5PP.394Adv
Podium Presentation

Course Overview: A Pilot Course for In-Office Human Simulation of Emergency Scenarios for the Dental Provider of Deep Sedation/General Anesthesia was developed and instituted this year. This is a modification of previous emergency management courses which were conducted at sites distant from practice. This unique offering allows fidelity not only in emergency simulation, but in environment, and is a new concept for improved patient safety for the dental provider of deep sedation and general anesthesia.

Course Director: Karen Crowley, MS, DDS
Faculty: Rick Ritt, EMT-P, MA; Karen Crowley, MS, DDS

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Experts Sharing Infrastructure (Part 1): Administrative Considerations

Room: 23A

5RT.229Int

Meet the Simpros Roundtable Discussion

Course Overview: This 45-minute interactive session will address prominent operational and infrastructure issues surrounding the execution of simulation-based education. Three different teams of Expert Panelists will be given questions by a moderator and from the audience. Panelists will comment on how they have addressed these issues at their facility. Participants will also have the opportunity to comment on the topic as well.

Course Director: *Thomas Dongilli, AT*

Faculty: *Jesika Gavilanes, MA; Thomas Dongilli, AT; Ilya Shekhter, MS, MBA; Daniel Battista, MBA*

From High-tech to Low-tech: Strategies for Developing Interprofessional Communication

Room: 28B

5PP.383Beg

Podium Presentation

Course Overview: This presentation describes various methods used to integrate interprofessional communication opportunities within medical and nursing school curriculums. Presenters will provide examples from their experience of using high- to low-fidelity approaches to improve communication and collaboration between the disciplines. Successes and challenges encountered will be highlighted and recommendations for future programs will be discussed.

Course Director: *Kathryn Keller, PhD, RN*

Faculty: *Terry Eggenberger, PhD, RN; Kathryn Keller, PhD, RN*

I Sim, You Sim, Do We Simulate the Same? Identifying Different Methods of Simulation, Their Use and Limitations

Room: 28E

5EP.1212Beg

EXPERT PANEL

Course Overview: Different methods of simulation can be used for different objectives. In this session, we will identify and discuss different methods of simulation and their uses and limitations. The expert panel will present practical experience in matching these methods to enhance learning in simulation trainings. The use of different methods also creates possibilities for use in multidisciplinary or international courses.

Course Director: *Ludmilla Garmers, MD*

Faculty: *Micha Erwtaman, MD; Ralf Krage, MD; Ludmilla Garmers, MD; Dick Van Groeningen, RN*

Professor Rounds (Session #1)

Room: Exhibit Hall G

5PP.1647

Research and Program Innovations

Course Overview: *Professor Rounds* will be presented in two, 45-minute poster-side presentation sessions. Four authors will present their abstracts during each session, and a professor will offer review and suggestions on the work. Learners present will be able to make comments and ask questions of both the Professors and the Authors. Signage will be available in the poster exhibition area of Exhibit Hall G to assist you in finding the sessions that interest you most.

Complete listing of Presenting Authors and Professors to be found in the ***IMSH Scientific Abstract Guide***

Project Test West: Using In Situ Simulation to Test a New Pediatric Hospital

Room: 28D

5PP.876

PODIUM PRESENTATION

Course Overview: Simulation is a valuable tool for evaluation and testing of new healthcare processes, patient care areas, equipment, and hospitals. With the opening of a new community pediatric hospital we developed a comprehensive in situ simulation project, Test West, to identify and address potential latent safety threats (LSTs) and weaknesses within a new hospital. We will present the logistics, resources, and outcome measures developed and utilized to test an entire new pediatric hospital.

Course Director: Jennifer Arnold, MD, MSc

Faculty: Kelly Wallin, MS, RN; Jennifer Arnold, MD, MSc

Quality Improvement thru Simulation Training in Ambulatory Care

Room: 29D

5PP.265Adv

Podium Presentation

Course Overview: During this session attendees will be introduced to practical simulation training applications in the Ambulatory Care setting. Attendees will explore simulation strategies used to meet the staff development needs of multidisciplinary teams. Attendees will also see how active team participation identified quality improvement strategies that translated to improved patient safety.

Course Director: Joanne Martin, RN, BSN, MBA HCM

Faculty: Joanne Martin, RN, BSN, MBA HCM

State of the Evidence (Part 4): Effective Feedback

Room: 20B/C/D
5PP.961Int
Podium Presentation

Course Overview: This fourth session of six will focus on the features of effective feedback.

Course Director: Rose Hatala, MD, MSc

Faculty: Stanley Hamstra, PhD; Rose Hatala, MD, MSc

Threshold Concepts and Troublesome Knowledge: What role should they play in Simulation Education Curricula?

Room: 29B
5PP.375Adv
Podium Presentation

Course Overview: Threshold concepts and troublesome knowledge represent a recent development in educational theory. This new way of looking at transformational learning experiences has been applied to several disciplines and science. Medical educators are now considering its applicability to curricula in healthcare. This session is intended to introduce threshold concepts and troublesome knowledge within the specific context of simulation education. The goal is to help participants develop a more effective and efficient simulation curriculum in their own centers.

Course Director: Keith Littlewood, MD

Faculty: Keith Littlewood, MD

Traumatic Death: A Multifaceted Community Enhanced Approach to Holistic Care

Room: 29C
5PP.918Adv
Podium Presentation

Course Overview: Students often are not allowed to be an active participant in end of life care. This scenario allowed students to assist in the admission of an acute head trauma patient and progress with her as she was later declared brain dead. Experts participated in the scenario as it advanced from life saving to organ donation and then to ventilator withdrawal. Experts lead the discussions, allowing students to observe how difficult discussions may be done.

Course Director: Patricia Keene, DNP, ACNP-BC, ACHPN

Faculty: Patricia Keene, DNP, ACNP-BC, ACHPN; Donna Sachse, PhD, RN

Virtual Patient Simulation Pilot Program for Doctor of Pharmacy Students

Room: 22

5PP.146Int

Podium Presentation

Course Overview: The role of virtual patient simulation software technology and an innovative pilot program involving the use of this technology to assess PharmD students' medication therapy management skills will be discussed. Focus will be on the realistic, interactive nature of the simulation environment as a powerful tool to provide individualized feedback and guidance on the appropriateness of drug therapy recommendations. Outcome assessment for faculty to gauge learner performance will be discussed.

Course Director: Mark Douglass, PharmD

Faculty: Mark Douglass, PharmD; Andrew Skirvin, PharmD, BCOP

Tuesday, January 31, 2012

9:30 AM to 11:00 PM 1.50 Contact Hours

Avoiding Ho Hum Humdrums and Doldrums: A Review of the Coolest Electronics and Gadgets That Will Enhance Your Education and Simulation Center

Room: 33A
5WS.1083Int
Workshop

Course Overview: Do you want to connect better with your learners? Are you looking to Ooh and Ah them? Do you want to catch up with the latest in technical gadgetry? This session is not just a simple review of commercial simulation products or electronic gadgets. It goes one step beyond and shows innovative ways to use the latest technology to enhance your simulation program. This lecture will be an interactive multimedia session sure to provide tools that you can implement into your own simulation program. Come see what works and avoid what doesn't.

Course Director: Edward Kosik, DO

Faculty: Edward Kosik, DO; Michael McLaughlin, DO

Behind the Sim Curtain: A Wiki for Simplifying Sim Center Operations

Room: 32A
5WS.400Int
Workshop

Course Overview: As the stage managers of medical theater, sim techs and operators struggle to create an environment that is both high-fidelity and can be set up or cleaned up quickly and quietly. Those who work behind the sim curtain encounter and overcome these logistical challenges everyday. In this workshop, faculty will share challenges and successes in making simulations run smoothly, and will immediately publish these discoveries in a community wiki platform.

Course Director: Kam McCowan, BS, EMT

Faculty: Kam McCowan, BS, EMT

Building a Better Scenario: Step-by-step Instructions to Creating Scenarios while also Meeting SIH Accreditation Goals

Room: 32B
5WS.560Int
Workshop

Course Overview: This interactive workshop will examine the process of creating a scenario while also meeting the SSH simulation center accreditation standards. Creating an effective patient simulation scenario includes several key steps. This process can be designed to not only address the needs of the scenario author, but also meet new accreditation standards. Presented by a team of experienced scenario developers, this workshop will guide participants through the steps of scenario development.

Course Director: David Rodgers, EdD, NREMT-P

Faculty: David Rodgers, EdD, NREMT-P; Roberta Hales, MHA, RRT, RN; AnneMarie Monachino, MSN, RN, CPN

Casualty Simulation Moulage: Achieving High Fidelity Realism in Low Resource Environments

Room: Military Theatre Exhibit Hall G
5WS.917Adv
Workshop

Course Overview: A hands-on experience with Casualty Simulation Moulage that produces highly realistic results for role players and patient simulators. Designed to demonstrate high fidelity realism in materials suitable for low resource environments that anyone will be able to execute in scenario based training. Material safety protocols and employing both homemade and commercial made props are featured. Participants will acquire fundamental knowledge in creating an index of casualty simulations and maintaining a professional moulage kit.

Course Director: *Suzanne Patterson,*

Faculty: *Suzanne Patterson; Robert Shotto, LPN, BA*

Creating Awareness Around CRM-Principles

Room: 30C
5WS.30Beg
Workshop

Course Overview: In aviation training, Crew Resource Management (CRM) was developed to more effectively understand teamwork and how to improve it. It also serves as a blueprint for the development of team training in healthcare. In this workshop, participants will learn CRM-principles and how to create and maintain team awareness by using these principles. These principles will be used to detect lack of teamwork, and discuss how to improve it. This is an "all teach, all learn" method. There will be many new ideas to share.

Course Director: *Cynthia van der Starre, MD*

Faculty: *Cynthia van der Starre, MD; Jan Dekker, RN; Ada van den Bos-Boon, RN, PICU, PSO; Robert-Jan Houmes*

Developing and Enhancing your Simulation-based Bootcamp or Newbie courses to "Drownproof" Novice Anesthesia Residents

Room: 33B
5WS.315Int
Workshop

Course Overview: There are many ways to use simulation early on to teach novice anesthesia trainees both technical and nontechnical skills. Participants will network with other simulation experts, explore ways in which early simulation is currently in use at other institutions, and have the opportunity to design their own ideal as well as resource-constrained early simulation curricula. Participants will also explore several challenges involving use of early simulation, and gain skills dealing with these situations.

Course Director: *Rebecca Minehart, MD*

Faculty: *Nicholas Nedeff, MD; Jutta Novalija, MD, PhD; Marjorie Stiegler, MD; David Feinstein, MD; Jane Easdown, MD; Keith Littlewood, MD; Sara Goldhaber-Fiebert, MD; Rebecca Minehart, MD*

From Bleeding to Blacklights: Procedures You Did not Know You Could Perform by Manipulating Your Full-body Simulator

Room: 31B
5WS.178Adv
Workshop

Course Overview: In this interactive, hands-on course, participants will discover new and exciting ways to manipulate their full-body simulators in order to perform procedures not normally possible. Participants will be instructed at the bedside in a step-by-step fashion on how to create unique and innovative modifications. Get ready to be fully immersed in this exciting workshop. All personal protective equipment will be provided.

Course Director: *S Scott Atkinson, IT, EMT-P*

Faculty: *S Scott Atkinson, IT, EMT-P; Rami Ahmed, DO, FACEP*

Glossary Development for Spanish Terms in Simulation and CRM

Room: 25A/B/C
5WS.489Int
Workshop

Course Overview: This workshop is designed to gather Spanish speaking participants to work on a list of simulation and CRM terms with the intent to develop a first draft of such terminology in Spanish. There is currently no translation for words and phrases such as: debriefing, briefing, hands-off, followership, etc. Participants in this workshop will work together to develop simulation texts and communications in Spanish.

Course Director: *Juan Manuel Fraga, MD, MA, DHIthSc*

Faculty: *Juan Manuel Fraga, MD, MA, DHIthSc; Ignacio del Moral, MD, PhD; Edgard Diaz Soto, MD, PhD, MBA*

Improving Debriefing Skills Through Peer Observation and Feedback

Room: 30B
5WS.674Adv
Workshop

Course Overview: Simulation educators can strengthen their debriefing skills if they create intentional communities of practice, a group of peers who use observation and feedback to help each other improve. Debriefing the debriefer is a process by which peers or mentors give instructors feedback on their debriefing allows both critic and learner to grow. Through peer observation and feedback, faculty cultivate their ability to reflect on their own and other people's strengths, weakness, comfort and stretch zones.

Course Director: *Demian Szyld, MD, EdM*

Faculty: *Robert Simon, EdD; Jenny Rudolph, PhD; Daniel Raemer, PhD; Demian Szyld, MD, EdM; Walter Eppich, MD, MEd*

Incorporating Simulation into your Mechanical Ventilation Curriculum

Room: 30A
5WS.1110Adv
Workshop

Course Overview: Management of a critical care patient on mechanical ventilation is very challenging to teach. Human simulators offer benefits over bedside training of these advanced assessment and management concepts, but developing a curriculum is a labor-intensive process that's not been well-tested. This workshop will present a model for effectively building and implementing a mechanical ventilation simulation curriculum, including a needs assessment, examples of curricula, and demonstration of a ventilation simulation training module.

Course Director: *Julianne S. Perretta, MS, RRT, NPS*

Faculty: *Julianne S. Perretta, MS, RRT, NPS; Shannon Poling, RRT; Nick Coniglio, BSRRT, CPFT*

Iron Sim

Room: 20A
5PS.1632
Sim on Stage

Course Overview: This session is a competition involving teams solving clinical problems using simulators. The objective of each competition is to complete individual tasks built into each simulation. The competition is modeled after the television cooking competition show "Iron Chef" where two teams compete to make a dish using a mystery ingredient. In this show there will be a mystery case unknown to each team that will be revealed at the beginning of each competition.

Course Director: *Martin Eason, MD, JD*

Teams Pending

Maximizing the Power of Simulation: Approaches to Designing Simulation Exercises across Professions and Levels of Learners

Room: 31C
5WS.690Int
Workshop

Course Overview: Simulation is key for education across professions. How does one design relevant exercises for different levels of learner and professions? In this workshop, we will: develop a framework to assess learning styles and pre-requisite knowledge of participants; explore the incorporation of that assessment into learning objectives; share our experience developing exercises for diverse participants; and, review different styles of delivery of simulation exercises. This will be an interactive session with video examples.

Course Director: *Sharon Calaman, MD*

Faculty: *Sharon Calaman, MD; Maryanne Halligan, RN, BSN,CCRN; Leonard Levine, MD; Kathleen Ryan, MD, FACP; Judy Popple, RN, PHRN; Heather French, MD*

Medical Simulation 2.0: Advanced Modeling Simulation Applications for Systems Changes in Healthcare

Room: 33C
4WS.1546Adv
WORKSHOP

Course Overview: This session is devoted to exploring the state-of-the art healthcare simulation applications and techniques, from a multidisciplinary and systems perspective. Adopted from service industries and systems engineering/operation research, human factors and management science, modeling and simulation applications have great potential to improve the quality and safety of the healthcare industry. This unique session is collaboratively designed by leaders in patient safety, quality improvement, medical education, healthcare delivery research, and systems engineering.

Course Director: *Yue Dong, MD*

Faculty: *Yue Dong, MD; Stephen Small, MD; Rafael Diaz; Kathleen Gallo, PhD, MBA, RN; William Dunn, MD, FCCM, FCCP; Joshua Behr, PhD*

Meet the Sim Consultants

Room: 29A
5EP.1635
Expert Panel

Course Overview: This panel of simulation experts, designers, architects and technical consultants will answer questions and share tips for designing, remodeling, and creating programming in healthcare simulation.

Course Directors: Jonathan Fishman, MArch; Leland Rockstraw, PhD RN

Course Faculty: Pending

Simulation Interoperability: Past, Present, and Future

Room: 30E
5WS.1645
Workshop

Course Overview: The session will also consider the many ways in which simulation interoperability can provide significant value to healthcare vendors, providers, educators, trainers, technologists, and, most importantly, patients. This interactive session will also contribute to the work of the new SSiH subcommittee on technical standards for simulation interoperability.

Course Directors: Brian Goldiez; Rachel Ellaway, PhD

Course Faculty: Brian Goldiez; Rachel Ellaway, PhD

Systems-based Practice Core Competency Assessment Using Simulation-based Exercises

Room: 31A
5WS.645Int
Workshop

Course Overview: The Systems-based Practice Competency Assessment required by the American College of Graduate Medical Education (ACGME) of all residents can be challenging. This workshop will focus on methods of assessment of this competency in both a formative and high-stakes manner. Participants will be exposed to the methods of assessment for this competency specifically using Standardized Patients (SPs). Participants in this workshop will function as the expert panel providing scores on various video encounters of residents interacting with Standardized Patients.

Course Director: *Thomas Rebbecchi, MD*

Faculty: *Thomas Rebbecchi, MD; Michael Kirchhoff, MD; John (Jack) Boulet, PhD*

Utilizing a Modified, Guided Team Self-correction Method of Debriefing

Room: 24A/B/C
5WS.795Int
Workshop

Course Overview: This workshop introduces and provides practice opportunities for the Guided Team Self Correction (GTSC) method of debriefing, adapted for healthcare teams. Unique from other debriefing models, GTSC structures the debrief around dimensions of teamwork rather than chronologically, and guides teams in analyzing and solving their own performance issues. Participants will receive information about the GTSC strategy, observe a scenario, complete an interactive debriefing exercise, and engage in facilitated discussion on advantages of using GTSC.

Course Director: *Ellen Brock, MD, MPH*

Faculty: *Moshe Feldman, PhD; Ellen Brock, MD, MPH; Cheryl Bodamer, PhD, MPH, RN*

Tuesday, January 31, 2012

10:30 AM – 11:15 AM 0.75 Contact Hours

Advanced Clinical Simulation and QSEN Competencies: A Means to Assess and Evaluate Students Clinical Reasoning and Judgment During Change in a Client's Condition

Room: 29C
5PP.381Int
PODIUM PRESENTATION

Course Overview: Clinical rotations provide rich contextual and experiential learning for nursing students; however the instructor and learning environment vary based on the clinical experience. To meet these educational and evaluation challenges, faculty teaching adult health nursing at the University of Maryland created an advanced clinical simulation (ACS) exercise. ACS utilizes the guidelines and competencies provided by the Quality and Safety for Educating Nurses (QSEN) to focus on patient centered care, safety, teamwork and collaboration.

Course Director: Megan Lynn, RN, MS, MBA

Faculty: Regina Donovan Twigg, DNP, RN; Megan Lynn, RN, MS, MBA

Assessing Reflective Learning with High-fidelity Simulation: Experiences in a Dental Hygiene Program

Room: 23A
5PP.601Beg
PODIUM PRESENTATION

Course Overview: This program will review essential elements of self-reflection as a component of critical thinking. Development of the reflection tool for a dental hygiene simulation scenario will be discussed and preliminary results for approximately 70 dental hygiene students will be reported. During the session, participants will be provided with a copy of the reflection tool and will have the opportunity to practice using it by evaluating a video of a dental hygiene high-fidelity simulation scenario.

Course Director: Brenda Bray, BPharm, MPH

Faculty: Brenda Bray, BPharm, MPH; Lisa Bilich, BSDH, MEd

Bringing Pedagogy and Information Literacy to Your Simulation Design Team

Room: 28C
5EP.662Int
EXPERT PANEL

Course Overview: This session is a panel discussion covering the advantages of bringing pedagogy and information literacy to the development of a nursing simulation program and its integration into the nursing curriculum. The presenters will outline members integral to the team, identify their contributions to the program's design and implementation, provide an overview of the curriculum integration process, and provide time for discussion with the audience.

Course Director: Stacy Serber, PhD, RN

Faculty: Stacy Serber, PhD, RN; Pamela Howard, MS, MLIS; Kathleen Shea, MSN, RN; Meg Gorzycki, EdD

Developing Anticipated Concerns and Initial Priorities: A Teaching Strategy for Clinical Reasoning Development

Room: 29B
5PP.1235
PODIUM PRESENTATION

Course Overview: While research supports the conclusion that both novice and expert nurses use similar clinical reasoning processes, they differ in their ability to bring situation specific nursing knowledge to the clinical encounter. It is contextual knowledge that allows the expert to rapidly identify salient features, interpret data and intervene effectively. This presentation discusses a teaching strategy designed to help novice nurses build contextual knowledge by developing anticipated concerns and initial priorities to aid clinical reasoning.

Course Director: Stephanie Sideras, RN, PhD

Faculty: Stephanie Sideras, RN, PhD

Ethical Complexities and Challenging Conversations Surrounding Pediatric Organ Donation: An Innovative, Simulation-based Educational Approach

Room: 23B
5PP.1656
Podium Presentation

Course Overview: The number of pediatric patients awaiting organ transplantation far outstrips the availability of healthy organs suitable for donation. Pediatric hospitals have increasingly adopted protocols for organ donation after circulatory death (DCD) in addition to the more traditional brain death pathway. The ethical complexities and relative rarity of pediatric candidates make educational efforts especially daunting. This session will highlight an original educational film and approach that illustrates an innovative, ready-on-demand application of simulation-based technology to healthcare.

Course Director: Elaine Meyer, PhD, RN

Course Faculty: Elaine Meyer, PhD, RN

Message from the Morgue: Simulation Strategies for addressing RCAs, Adverse & Sentinel Events

Room: 29D
5PP.1143Int
PODIUM PRESENTATION

Course Overview: When horrible things happen in healthcare, everyone needs to learn from the missteps, mistakes and system failures that have occurred. This common goal led to the creation of the Interdisciplinary Simulation Education Center (ISEC) - the Malcolm Randall VA Medical Center's interdisciplinary simulation center. For the first time, multiple services were brought together to work collaboratively in solving patient safety issues. This session will outline a five-step recovery plan which led one facility onto a path of shared accountability, responsibility, and learning.

Course Director: Matthew Kosboth, MD

Faculty: Matthew Kosboth, MD; Denise Cochran, RN, BSN

Non-Clinician vs. Clinician Debate: Who is Best Suited to Teach Clinical Skills, Team Communication, and Clinical Knowledge Using Simulation?

Room: 20B/C/D
5RT.431Int
DEBATE

Course Overview: This session will bring together the experts to debate both sides of the question, "Who is best suited to instruct using simulation: a clinician or non-clinician educator?" The discussion will focus on three areas: 1) clinical skills and procedures; 2) interdisciplinary team training; and 3) clinical decision-making. Upon conclusion of the session, faculty and attendees together will attempt to identify the ideal characteristics and skills needed for simulation instructors in these topic areas.

Course Director: Haru Okuda, MD

Faculty: Haru Okuda, MD; Gayle Gliva McConvey; David Gaba, MD; Daniel Raemer, PhD

Open Heart Surgery: All Pumped Up in the ICU

Room: 28D
5PP.1405Adv
PODIUM PRESENTATION

Course Overview: This course will highlight an original and innovative curriculum plan which was designed to increase critical thinking, analysis and synthesis of hemodynamics and pharmacological agents with in situ simulation training in the surgical ICU. Simulation training revealed a patient hemodynamic instability of 16% by the novice nurse, which improved patient outcomes by 172% for the open heart surgical patient. The most significant improvement gained was in the novice nurse patient management skills which exceeded the experienced nurses after simulation.

Course Director: Sharon Stanke, DNP, MSN, RN

Faculty: Sharon Stanke, DNP, MSN, RN

Professor Rounds (Session #2)

Room: Exhibit Hall G
5PP.1647
Research and Program Innovations

Course Overview: *Professor Rounds* will be presented in two, 45-minute poster-side presentation sessions. Four authors will present their abstracts during each session, and a professor will offer review and suggestions on the work. Learners present will be able to make comments and ask questions of both the Professors and the Authors. Signage will be available in the poster exhibition area of Exhibit Hall G to assist you in finding the sessions that interest you most.

Complete listing of Presenting Authors and Professors to be found in the ***IMSH Scientific Abstract Guide***

TestPilot Kosovo: Using Simulation to Implement a Nationwide Neonatal Transport System

Room: 28B
5PP.1363Beg
PODIUM PRESENTATION

Course Overview: In situ systems testing enhanced the implementation of a large scale multidisciplinary inter-institutional neonatal transport service. Despite language/cultural barriers and differences in resource availability, distinct benefits were realized from simulations performed in the native prospective service versus in an established transport service in another country.

Course Director: *Jesse Bender, MD*

Faculty: *Jesse Bender, MD; Karen Kennally, RN, BSN*

Using Simulation to Meet the Challenge of Providing Interprofessional Education Experiences for Nursing and Medical Students on Different Campuses

Room: 28E
5EP.613Beg
EXPERT PANEL

Course Overview: Creating an Interprofessional Education (IPE) program is daunting. During this session, participants will learn how to facilitate IPE between professions on the same or different campuses. Learn the story of how University of Kansas faculty simulation champions created a grass roots movement that resulted in the creation of a Center for Interprofessional Education. University of Kansas and University of Texas Arlington panelists will provide a step-by-step approach. Move from inspiration to implementation.

Course Director: *Mary Meyer, MSN, RN*

Faculty: *Mindi Anderson, PhD; Mary Mancini, PhD; Gayla Miles, RN, MSN; Dan Swagerty, MD, MPH; Joseph Martinez, MD; Mary Meyer, MSN, RN; Mitzi Scotten, MD; Pam Shaw*

Using Theory to Design and Evaluate Simulated Interprofessional Education Programs

Room: 28A
5PP.355Adv
PODIUM PRESENTATION

Course Overview: This session will provide an overview of mental model and transactive memory theories and reveal how each can be utilized in simulation-based interprofessional education training programs. By integrating these two theories in the design and evaluation of training programs, we will discuss how interprofessional education can increase collaboration and communication among health care professionals, subsequently decreasing preventable medical errors and improving patient safety.

Course Director: *Martha Conrad, RN, MSN*

Faculty: *Aimee King, MA; Martha Conrad, RN, MSN*

What you Need to Think about to Create a VR Surgical Simulator

Room: 22

5PP.210Int

PODIUM PRESENTATION

Course Overview: This session will provide an overview of the steps that define what should be in a VR surgical simulator, and will describe how to plan out, build, and assess/refine the simulator.

Course Director: *Dwight Meglan, PhD*

Faculty: *Dwight Meglan, PhD*

Tuesday, January 31, 2012

1:00 PM – 1:45 PM 0.75 Contact Hours

Can Simulation Replace Some or all Clinical Training on Patients?

Room: 28B
5RT.991Adv
DEBATE

Course Overview: The increasing necessity to learn new technical skills quickly, teach in a safe and guided environment, keep pace with the rapid growth of medical knowledge, and stay apprised of the changes in medical education offers many challenges for traditional medical training strategies. Simulation is an attractive and effective alternative, and this debate will examine how large a role simulation should play in the training of healthcare professionals. Should it replace clinical training?

Course Director: *Iolanda Russo-Menna, MD, MEd*

Faculty: *Judith Hwang, MD, MBA, BA; Iolanda Russo-Menna, MD, MEd; Hal Doerr, MD; Julia Metzner, MD*

Creating a High-fidelity Mechanically Ventilated Patient: Overcoming (almost) All Simulator Shortcomings

Room: 29B
5EP.316Int
EXPERT PANEL

Course Overview: Simulation technology has advanced in many areas but replicating mechanical ventilation has presented a challenge for training facilities. From low-fidelity to high-fidelity, faculty will discuss how to innovatively adapt simulation technology to improve patient lung mechanics. The panel will conclude with a group centered discussion on common respiratory complications, which will be used as a springboard to building consensus for continued simulator and curriculum design.

Course Director: *Julianne S. Perretta, MS, RRT, NPS*

Faculty: *Julianne S. Perretta, MS, RRT, NPS; Shannon Poling, RRT*

Department of Defense: Services' Applications and Requirements for Simulation in Healthcare Education and Training

Room: Military Exhibition Hall G
5EP.1667
Expert Panel

Course Overview: This panel of experts represents each of the three major US armed services. Panelists will highlight the unique application of simulation and related technology to service specific requirements, both current and future, and help non-military healthcare simulation professionals gain insight into the successful use of simulation to meet unique medical training requirements.

Course Director: John Rice

Faculty: Colonel Shea Peters, USAF, RET; Major Mike McCarthy, Captain James Ritchie, MD; Lt. Colonel Wilson Arizo, PEO STRI

Discovering Best Practices in Simulation Labs and the Pitfalls to Avoid: A Survey and Results

Room: 28E
5PP.175Adv
PODIUM PRESENTATION

Course Overview: At last year's conference, a growing concern was raised: what are the best practices in constructing a simulation center? What other practices are to be followed when a simulation center is reaching maturity, around five years after its start? This session reviews the results of surveying performed with SSH member organizations to challenge the assumptions of what are valid pitfalls, while identifying the best practices for new and maturing simulation centers.

Course Director: *Allen Giannakopoulos, PhD, MBA*
Faculty: *Allen Giannakopoulos, PhD, MBA*

Experts Sharing Infrastructure (Part 2): Mobile Simulation Considerations

Room: 23A
5RT.1481Int
MEET THE SIMPROS ROUNDTABLE DISCUSSION

Course Overview: Part 2 - This 45-minute interactive session will address prominent operational and infrastructure issues surrounding the execution of simulation-based education. Three different teams of Expert Panelists will be given questions by a moderator and from the audience. Panelists will comment on how they have addressed these issues at their facility. Participants will also have the opportunity to comment on the topic as well.

Course Director: *Thomas Dongilli, AT*
Faculty: *Thomas Dongilli, AT; Jesika Gavilanes, MA; Kris Hara, Robert Soto, EMT-P*

Hockey Lines: An Approach for Maximizing Learner Participation in Team-based Simulation

Room: 29A
5PP.1054Int
PODIUM PRESENTATION

Course Overview: Many of us have to squeeze too many learners into limited sessions. The Hockey Lines approach provides greater learner engagement and participation, while reinforcing key behaviors in Interprofessional teams that improve patient outcomes. Innovative techniques that improve team performance metrics supplement this method.

Course Director: *David Topps, MB, ChB, MRCP, FCFP*
Faculty: *David Topps, MB, ChB, MRCP, FCFP; Rachel Ellaway, PhD*

Improving Team Emotional Intelligence Through Simulation

Room: 28A

5PP.32Int

PODIUM PRESENTATION

Course Overview: Healthcare is delivered by teams of people, yet training often remains focused on individual responsibilities, leaving practitioners inadequately prepared to enter complex settings. The importance of understanding the role of cognitive processes and the effect of those processes on decision-making in a team setting cannot be underestimated. This report will demonstrate how to teach medical teams, in a simulated environment, to create a safer patient care environment through better decision-making.

Course Director: *Judith Miller, RN, MSN*

Faculty: *Randy Johnson, PhD; Judith Miller, RN, MSN*

Inter-institutional Health Education Partnership: A Learning Community for Interprofessional Simulation-based Education

Room: 29C

5PP.1237

PODIUM PRESENTATION

Course Overview: This presentation describes the formation and activities of a learning community among four post secondary institutions and a health provider: 1) for the purposes of planning, implementing and evaluating interprofessional (IP) health sciences education in simulation-based learning environments for pre-licensed learners; and 2) to provide solutions to organizational barriers to IP health sciences education within and between institutions.

Course Director: *Sharla King, PhD*

Faculty: *Sharla King, PhD*

Military Preparedness Simulation in a Civilian Simulation Center: Special Considerations from Preparedness to Debriefing

Room: 23B

5EP.328Int

EXPERT PANEL

Course Overview: The increased reliance on medical units of the US armed forces reserve component to provide combat casualty care has required clinical skills and team training using simulation as a preparation for real life situations in theaters of operation. The panel will address how to handle proprietary military information, including scenario development, videos/recordings of sessions and other data associated with the program. Issues including those related to facility security and confidentiality.

Course Director: *Mark Aeder, MD, FACS*

Faculty: *Mark Aeder, MD, FACS; John Morey, PhD*

Oral Presentations: Physical Settings

Room: 23C

5RT.1661

Research and Program Innovations

RESEARCH ABSTRACT #1364

Simulation to Teach Tube Thoracostomy to Pediatric Physicians and Nurses

Authors: Cara Doughty, MD, MEd; Elaine Fielder, MD; Daniel Lemke, MD

RESEARCH ABSTRACT #607

A Study on the Relationship Among the Objective Structured Clinical Examination (OSCE), Health Promoting Behaviors (HPB), Korean-profile of Mood State-Brief (K-POMS-B), and Depression Cognitive Scale (DCS) of Sophomore Nursing Students

Presenter: Heejeong Kim, RN

Authors: Heejeong Kim, RN, HHCANP, PhD; Junghyun Choi, PhD; Mi Yu, PhD; Miok Kim, PhD

RESEARCH ABSTRACT #1251

Analyzing Patterns of Participant Behavior in Integrated and Distributed Simulation

Presenter: Rachel Ellaway, PhD

Authors: Rachel Ellaway, PhD; David Topps, MB, ChB, MRCP, FCFP; Kevin Lachapelle, MD; Aislinn Joy, MB

Simulation Education using Quality Standards to Improve Safe Patient Care

Room: 29D

5PP.359Adv

PODIUM PRESENTATION

Course Overview: This presentation will discuss the importance of aligning learning opportunities to health system initiatives, quality standards and regulatory requirements. An easy-to-use electronic document allows one to search and query quality measures as well as document scenario/educational data collection and assessment. Evidence-based and updated annually, this form is used across a large health system for standardization and efficiency.

Course Director: Carol Cheney, MS

Faculty: Terry Chavez, MSN, RN-BC; Carol Cheney, MS

Course Director: Stanley Hamstra, PhD

Faculty: Geoff Norman, PhD; Stanley Hamstra, PhD; Rose Hatala, MD, MSc; Ryan Brydges, PhD

Simulation Research: State of the Science Update

Room: 28D
5EP.1460Adv
EXPERT PANEL

Course Overview: The panel of simulation researchers will review the spectrum of current and future simulation research throughout the world. Researchers will share mechanisms for incorporating interdisciplinary research involving nursing, allied health, medicine, dentistry, administration, industry, and government.

Course Director: James Phero, DMD

Faculty: S Barry Issenberg, MD; James Phero, DMD; Joshua Hui, MD; Pamela Jeffries, RN, PhD, FAAN

State of the Evidence (Part 5): Exploring Fidelity in Simulation-based Teaching

Room: 20B/C/D
5PP.965Adv
PODIUM PRESENTATION

Course Overview: This fifth session of six will highlight the issue of simulator fidelity, and under what conditions it is important to have the simulator look, act and feel like a real human patient.

Using a Virtual Environment (Second Life) for Nurse and Medical Student Simulation Center Training: Two Prototypes

Room: 22
5PP.246Int
PODIUM PRESENTATION

Course Overview: In this session participants will be presented with the outcomes from two low cost virtual reality prototypes. We will explore the iterative design approach used and how rapid prototyping kept the project quickly moving towards measurable outcomes. Discussion will include the positioning of virtual reality as a realistic platform for basic skill review and case introduction. The paper, all references, and materials we used will be made available to interested participants.

Course Director: Alexander Lemheney, MEd, EdD(Student)

Faculty: Alexander Lemheney, MEd, EdD(Student); Deborah Arnold, RN, MSN, CMSRN

Tuesday, January 31, 2012

1:00 PM – 2:30 PM 1.50 Contact Hours

Actor Training Techniques to Improve Standardized Patient Portrayals

Room: 33B
5WS.759Adv
Workshop

Course Overview: Participants in this workshop will have the opportunity to observe and practice innovative techniques rooted in actor training that have practical applications in the training of standardized patients.

Course Director: Lou Clark, MA, MFA

Faculty: Lou Clark, MA, MFA

Becoming an Endorsed Center of the ASA Simulation Education Network

Room: 30A
5WS.181Int
Workshop

Course Overview: This workshop will cover the application to the American Society of Anesthesiology (ASA)'s Simulation Education Network, including a discussion of simulation course components, scenarios, and potential challenges to successful deployment of a simulation course for Maintenance of Certification in Anesthesiology. This workshop will provide guidance both to those who are about to prepare and to those who are currently working on an application to the ASA Simulation Education Network.

Course Director: Christine Park, MD

Faculty: William McIvor, MD; Christine Park, MD; Adrian Hendrickse, FRCA; Manuel Pardo, MD; Randolph Steadman, MD

Combining Simulation with Other Interactive Teaching Techniques: An Innovative and Integrative Approach to Engaging Large Audiences

Room: 24A/B/C
5WS.1313Adv
Workshop

Course Overview: Harnessing the engaging qualities of simulation can be challenging when one is lecturing to a large audience. In this highly interactive session, the instructors will demonstrate and then discuss an integrated approach to engage audience participants through principles based on adult learning. Specifically, techniques will include; 1) identifying and addressing topics of interest to the learners; 2) sharing of personal stories; 3) using scenarios to enhance didactic lessons, foster reflection and facilitate role-play; and 4) inviting audience participation via an audience-response system.

Course Director: May Pian-Smith, MD, MS

Faculty: Rebecca Minehart, MD; Jeffrey Cooper, PhD; May Pian-Smith, MD, MS

Competency-based Selection and Training of Simulation Technology Specialists (Part 1)

Room: 30D
5EP.1615
Expert Panel

Course Overview: This session will explore the competencies (skills, knowledge, and attitudes) required of simulation technology specialists (SimTechs). Presenters will share their process and ideas with participants about how they use competency-based job descriptions to select candidates for SimTech positions, develop SimTech training programs, and leverage SimTechs to enhance the offerings of a simulation center.

Course Director: *Ilya Shekhter, MS MBA*

Faculty: *Laurie Kerns, EMS; Ilya Shekhter, MS MBA; Thomas Dongilli; Shawn Martin*

Debriefing Olympics

Room: 20A
5WS.1488
Workshop

Course Overview: An innovative and dynamic format will be used for this newest IMSH competition series. Three debriefers will assess a team of three role players seen on a video. Judges will provide feedback to the debriefers and the audience will reflect on their performance and the feedback. Audience members, judges and guest debriefers will rate the debriefings, and discuss and reflect the process.

Course Director: *Peter Dieckmann, PhD*

Faculty: *Peter Dieckmann, PhD*

Exploring Models of Developing Faculty

Room: 33A
5WS.468Adv
Workshop

Course Overview: Faculty development is key to retaining and developing all those who both volunteer and are paid to work and debrief in your simulation center. Having gained a core skill level in debrief it is important to assist faculty in developing this skill by investing time in furthering their expertise. This multi-modal, fully interactive workshop is designed to explore and demonstrate different methods of developing faculty for simulation-based debriefing.

Course Director: *Peter Jaye, BSc, MBBS, FCEM*

Faculty: *Peter Jaye, BSc, MBBS, FCEM; Libby Thomas, BMedSci, BMBS; Gabriel Reedy, PhD, MEd*

It Does Not Take a Laxative to Get a Simulation Moving! Rx: Mind Maps and Emotional Intelligence

Room: 25A/B/C
5WS.938Adv
Workshop

Course Overview: Designed to get simulation activities moving, this session will pull together concepts which offer a unique model to unleash the potential in participants. Learn an exercise to reduce stress/anxiety and develop emotional intelligence (EI) mind maps, and simulation EI. Workshop participants will examine simulation mind maps and get experience with the simulation mind mapping process. Attendees can expect to go home with new and innovative ideas to implement in pre-simulation experiences.

Course Director: *Chrissy Bloome, RN, BSN, MS*

Faculty: *Chrissy Bloome, RN, BSN, MS; Stephanie Sideras, RN, PhD*

Lean Approaches to Debriefing

Room: 31A
5WS.1049Adv
Workshop

Course Overview: Lean methodology reduces or eliminates waste resulting in efficient, patient-focused systems. Lean focuses on systems, processes and environment, making it ideal for identifying latent conditions for medical error and can be an adjunct method for debriefing high-fidelity simulation. This workshop will use group exercises and facilitated discussion to introduce participants to Lean and to practice using Lean tools such as 6S, identification of waste and improvement of flow to debrief a previously recorded scenario.

Course Director: *Lennox Huang, MD*

Faculty: *Walter Eppich, MD, MEd; Jennifer Reid, MD; Dianne Norman, BScN, MEd(c); Kimberly Stone, MD, MS, MA; Lennox Huang, MD*

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Moulage for Dummies

Room: 30B
5WS.105Int
Workshop

Course Overview: Moulage is a method to enhance realism in a scenario. Many practitioners are not skilled in the application of moulage and fail to achieve full realism in their scenario. This session aims to demonstrate that using moulage is easy, inexpensive, and easy to implement. Participants will learn the materials needed for moulage and where to obtain them, the types of lesions that can be mimicked, and the techniques for applying moulage. As part of the workshop, learners will apply moulage to a fellow participant. A video describing the various techniques for moulage will be made available to the learners.

Course Director: *William Linne, BS, BFA*

Faculty: *Amy Hampton, BSN, RN; Dawn Tuell, MD; Stephen Loyd, MD, FACP; William Linne, BS, BFA; Beth Fox, MD, MPH, FAAFP; Jake Drumm, EMT-P; Martin Eason, MD, JD*

Place for the Case: Designing and Blending Virtual Patients as Part of a Comprehensive Simulation Experience

Room: 32A
5WS.1138Int
Workshop

Course Overview: Simulation plays a key role in developing clinical competencies but implementing a program that recreates a comprehensive model of clinical management can be logistically challenging and resource intensive. To broaden the scope and reduce logistical costs, Virtual Patients are increasingly used to complement physical simulators. Participants will investigate and design educational programs that incorporate a mix of virtual patients with other simulation methods by aligning technology with educational objectives based on pedagogical strengths and capabilities.

Course Director: James McGee, MD

Faculty: Nancy Posel, PhD; David Fleiszer, MDCM, FACS, FRCSP; James McGee, MD; Paul Phrampus, MD, FACEP; Rosalyn Scott, MD

Role of the Healthcare Team in Communicating Pharmacology Problems: A Classroom Simulation

Room: 30C
5WS.1472Beg
Workshop

Course Overview: The focus of this workshop will be a classroom simulation that uses role play to immerse first semester nursing students in an interdisciplinary communication experience. Classroom scenarios that help nursing students discover and value the role that various members of the healthcare team play in safe medication administration will be presented. Following the same guidelines provided to students, participants will have the opportunity to create their own communication scenarios based on a described patient case.

Course Director: Maureen Tremel, MSN, ARNP, CNE

Faculty: Maureen Tremel, MSN, ARNP, CNE

Scripted Debriefing: Optimizing the Impact of Post-simulation Debriefing using a Novel Debriefing Script

Room: 31C
5WS.158Int
Workshop

Course Overview: Effective post-simulation debriefing helps learners understand the basis of their actions and ultimately, close performance gaps that were identified during the simulation. The EXPRESS team has developed a debriefing script which improves acquisition of knowledge and behavioral skills when used by novice debriefers. This workshop is designed for simulation instructors interested in improving the quality of debriefing sessions by using a simple and generalizable debriefing script for simulation-based education.

Course Director: Adam Cheng, MD, FRCPC, FAAP

Faculty: Adam Cheng, MD, FRCPC, FAAP; Elizabeth Hunt, MD, MPH, PhD; Vincent Grant, MD, FRCPC; Jonathan Duff, MD; Vinay Nadkarni, MD, MS, FCCM; Walter Eppich, MD, MEd

State of the Art and Challenges in Materials Engineering to Improve Tactile Tissue Sensation for Healthcare Simulation

Room: 30E
5EP.1621
Expert Panel

Course Overview: This panel session will examine current and future technology to provide authentic tactile sensation for learners in a wide range of physical simulators. Expert panelists will include researchers and material developers working to improve the realism of simulated tissues. Panelists employ materials engineering technology to develop specific systems that are highly dependent on providing realistic tactile feedback.

Course Director: *Jessica Sparks, Ph.D.*

Faculty: *Michael Ricci, MD; Robert Sweet, MD; Troy Reihsen; Jessica Sparks, Ph.D.*

Teaching Medical Error Disclosure and Apology Using High-Fidelity Simulation

Room: 31B
5WS.153Int
Workshop

Course Overview: Clinicians receive little training in disclosure and apology for medical errors or untoward clinical outcomes. Using simulated scenarios, participants will practice difficult conversations in the aftermath of an adverse event. After realizing the medical error, participants must disclose it and apologize to a standardized patient in small groups, followed by debriefing. Next, they will learn how to develop a simulation-based training program for teaching medical error disclosure and apology at their home institution.

Course Director: *Toni Walzer, MD*

Faculty: *Roxane Gardner, MD, DSc; Daniel Raemer, PhD; Steven Locke, MD; Toni Walzer, MD; Robert Simon, EdD*

Translating Ideas into Action: Creating High Yield Scenarios that Avoid Dead Ends and Get Your Teaching Points Across

Room: 32B
5WS.1173Int
Workshop

Course Overview: Participants will learn to develop scenarios according to learning goals and learner groups. Scenarios will be created using flow sheets with different event paths depending on learner response (action/inaction). Participants will discuss the scenario setting, mannequin needs (high vs. low-fidelity), actors and the need for video/communication equipment. Participants will discuss how to modify scenarios with distractors and with typical incorrect pathways for different learning objectives.

Course Director: *Stefanie Fischer, MD*

Faculty: *Vijay Tarnal, MBBS, FRCA; Rachel Porter, BS; Ronald Levy, MD; Stefanie Fischer, MD*

Tuesday, January 31, 2012

2:00 PM – 2:45 PM 0.75 Contact Hours

Applying Organizational Principles of Systems Integration: The Mayo Mortality and the Deteriorating Patient Simulation Project

Room: 28E
5PP.1379Adv
Podium Presentation

Course Overview: Simulation represents an underutilized tool in healthcare process engineering. Recognized system failures can be addressed via simulation-based education, thereby preventing harm. Time dependent situations, such as the acute critical illness of a deteriorating patient, exemplify the greatest need to optimize organizational performance. This presentation will reinforce definitions of Systems Integration, while reviewing one institution's approach to re-engineering a cultural deficiency demonstrated via internal data.

Course Director: Richard Zimmerman, MD

Faculty: William Dunn, MD, FCCM, FCCP; Richard Zimmerman, MD

Critical Care Air Transport Teams (CCATT): Improving Performance through Simulation

Room: 23B
5PP.716Adv
Podium Presentation

Course Overview: Critical Care Air Transport (CCAT) medical teams perform a key role in saving the lives of those injured in combat by providing critical care during aeromedical transport. They consist of three members: a critical care experienced physician, a critical care nurse and a respiratory technician. This requires specific training which occurs in a two week program at CSTARS Cincinnati. While there, CCATT members undergo four evaluative simulation sessions and one flight mission aboard a C-130 transport plane with human patient simulators.

Course Director: Sharon Walsh-Hart, RN, MSN, MEd

Faculty: Sharon Walsh-Hart, RN, MSN, MEd

Effects on Patient Outcome using Multidisciplinary Team Training and Effective Handover during Evaluation and Resuscitation of a Sick Child

Room: 29D
5PP.1039Int
Podium Presentation

Course Overview: Pediatric codes are infrequent and generally have poorer outcome. Healthcare providers caring for sick children in non-intensive care environments are getting less experienced in recognizing the acuity of their illness and possibly delay intervention. Course faculty have initiated a mandatory workshop at their institution to improve the process of recognition, assessment, initial management and effective handover of a sick child on the pediatric floor. This presentation will discuss the process in detail.

Course Director: Renuka Mehta, MBBS, MRCP, FAAP

Faculty: Renuka Mehta, MBBS, MRCP, FAAP

Getting a Head Start: Lessons from Interprofessional Student High-fidelity Operating Room Team Training

Room: 28A
5PP.982Int
Podium Presentation

Course Overview: This presentation will draw on the experiences from three years of interprofessional, high-fidelity, simulation-based operating room team training held at Louisiana State University Health Sciences Center in New Orleans (LSUHSC-NO). The key characteristics of highly reliable teams and definitions of the key components of preparation, implementation, and debriefing to maximize student learning and retention of team-based competencies will be reviewed. Additionally, this course will introduce a framework for identifying and overcoming potential obstacles to successful implementation within a given institution.

Course Director: John Paige, MD

Faculty: Deborah Garbee, PhD, APRN, ACNS-BC; John Paige, MD

How the Department of Defense is Advancing the Field of Medical Simulation for Education and Training

Room: Military Theatre Exhibition Hall G
5EP.1654
Expert Panel

Conference Overview: This panel, presented by the US Army, Medical Research and Materiel Command's Telemedicine and Advanced Technology Research Center (TATRC), will provide an overview of recent, current and near future medical simulation research and development projects in which the US Department of Defense (DOD) will have invested more than in fiscal years 2010 - 2012.

Course Director: Harvey Magee

Faculty: Harvey Magee; Captain Sean Biggerstaff; Thomas Talbot, MD, MS, FAAP; Wilson Ariza, LTC

Keeping it Real: Techniques to Increase Realism in Simulation

Room: 29B
5EP.2Int
Expert Panel

Course Overview: Stress can heighten learning and there are several ways to make a simulation stressful, including increasing the realism of the scenario. This session focuses on techniques of realism, including realistic scenarios for team training, and ways to keep the simulation flowing when there is an unexpected occurrence during the scenario.

Course Director: Michael Smith, MD

Faculty: Corey Heitz, MD; Michael Smith, MD; Thomas Noeller, MD

Modeling Physiological Processes: What Exists and Why Organizations Build their Own Models

Room: 22
5PP.61425Adv
Podium Presentation

Conference Overview: Physiology models in simulators determine the richness and complexity of scenarios that can be developed. We will review some key models and their underlying modeling technology so as to enable participants to evaluate the appropriateness of physiology models relevant to their education needs.

Course Director: Parvati Dev, PhD
Faculty: Parvati Dev, PhD

NLN's Project to Explore Use of Simulation for High Stakes Assessment: Phase 2 Report

Room: 28C
5PP.600Adv
Podium Presentation

Course Overview: This three-year project was designed to lay the groundwork for use of simulation for high stakes assessment in pre-licensure RN programs. This session will describe the process for simulation development, the evaluation plan, and strategy for field testing. Based on findings, recommendations will be made to the nursing education community regarding the use of simulation for high-stakes assessment in nursing education and areas for future research related to this practice.

Course Director: Mary Anne Rizzolo, EdD, RN, FAAN
Faculty: Pamela Jeffries, RN, PhD, FAAN; Mary Anne Rizzolo, EdD, RN, FAAN

Oral Presentations: Physical Settings

Room: 23C
5RT.1661
Research and Program Innovations

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #575

Maximizing Operational Efficiency in a Simulation Center Through the Implementation of an Inventory Management and Control System

Authors: Patti Reynard; Elisabeth Wright, MS; Keith Littlewood, MD
Presenter: Elisabeth Wright

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #996

Profiled Vessel Model for Simulating Bladder Cystometry

Authors: Gordon Gibby, MD; Dave Lizdas, BS; Samsun Lampotang, PhD
Presenter: Samsun Lampotang, PhD

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #981

The Movie Set Approach to Creating a Simulation Environment

Authors: Carole Foot, MBBS, FACEM, FCICM, MSc; Liz Steel, MBChB, MRCP, FCICM; Kim Vidhani, FRCA, FANZCA, FCICM
Presenter: Liz Steel, MBChB, MRCP, FCICM

SSH Accreditation: How I Did It! An Expert Panel of Representatives from SSH Accredited Programs

Room: 28D
5EP.767Int
Expert Panel

Course Overview: This session is not available for continuing education credit. The SSH Accreditation Expert Panel consists of representatives from SSH accredited programs in addition to the Chair and Manager of Accreditation. The panel will discuss determining eligibility, the accreditation process, preparing an application, onsite review, and benefits of SSH Accreditation. Discussion related to the most challenging standards and how successful applicants addressed these standards will be reviewed. Audience questions and participation are encouraged.

Course Director: Jennifer Manos, RN, MSN

Faculty: Elizabeth Sinz, MD; Nancy Heine, RN, CANP, MSED; Jennifer Manos, RN, MSN; Jeffrey Burton, BSN, RNC

To Die or Not to Die? That is the Question

Room: 20B/C/D
5RT.1479Int
Debate

Course Overview: Most simulation facilitators have been taught NEVER to let a simulator die as part of a routine learning exercise even if the learner's actions (or inactions) would have lead to death in the real world. During this session, simulation veterans will debate, in a pro/con format, whether the simulator should be allowed to die. An audience response system will be used to gauge audience practice pre-debate and anticipated practice post-debate.

Course Director: Jeffrey Taekman, MD

Faculty: Elizabeth Sinz, MD; Hal Doerr, MD; Jeffrey Taekman, MD

Video 101 for Simulation

Room: 28B
5PP.585Beg
Podium Presentation

Course Overview: This session will lay the foundation of video production principles as needed in a simulation environment. Using easy to understand concepts and real life examples audience members will walk away with the knowledge of how to improve their existing video efforts and how to better incorporate video into other aspects of simulation such as debriefing and research. A brief discussion of policies and medicolegal issues will also be incorporated to round out this session.

Course Director: William Sticht, BS

Faculty: William Sticht, BS; Jeff Myers, DO, EdM

Tuesday, January 31, 2012

3:00 PM – 3:45 PM 0.75 Contact Hours

Experts Sharing Infrastructure (Part 3): Audio Video Considerations

Room: 23A

5RT.1482Adv

Meet the Simpros Roundtable Discussion

Course Overview: Part 3 - This 45-minute interactive session will address prominent operational and infrastructure issues surrounding the execution of simulation-based education. Three different teams of Expert Panelists will be given questions by a moderator and from the audience. Panelists will comment on how they have addressed these issues at their facility. Participants will also have the opportunity to comment on the topic as well.

Course Director: Thomas Dongilli, AT

Faculty: Thomas Dongilli, AT; Jesika Gavilanes, MA; Tiffany Holmes, DC; Jordan Halasz

Five S's of Simulation: Maximizing Simulation in the VHA

Room: 28D

5EP.933Beg

Expert Panel

Course Overview: The Veterans Health Administration (VHA), the nation's largest integrated health care system, recently created the national SimLEARN program to support simulation in over 140 hospitals in the VHA system. This session will use the five S's of Simulation (Staff, Stuff, Space, Support and Success) to demonstrate optimal growth and management of the simulation center while remaining sane and sensible. Explore the journeys of three VA hospitals as they developed their simulation programs from its infancy.

Course Director: Sherri Porterfield, BSN, BA

Faculty: Sherri Porterfield, BSN, BA; David Adriansen, EdD, NREMT; Denise Cochran, RN, BSN; Lygia Arcaro, PhD, RN, BC

Getting Data Out of Your Simulators and into your Reports and Research Projects

Room: 28B

5PP.638Adv

Podium Presentation

Course Overview: This presentation will show you how to quickly convert dozens, hundreds or thousands of log files into a concise dataset in a spreadsheet and start analyzing that data in minutes. Using free or ubiquitous tools, faculty will go step-by-step through the process, showing participants how to extract data, find the useful information within it, and do preliminary analysis.

Course Director: John Lutz, BS

Faculty: John Lutz, BS

Hospital-based Simulation Programs: Sharing Operational Models, Practices, and Strategies

Room: 23B

5RT.1113Adv

Meet the Simpros Roundtable Discussion

Course Overview: Hospital settings present simulation professionals with many priorities and challenges that are unique and different from those encountered by simulation programs based in schools and other academic settings. At this workshop, faculty and panelists will present and discuss benchmark-type demographic and operational data that hospital-based simulation programs (HBSPs) need to build, gain support for, and use to evaluate their programs. Participants will then work together to apply this knowledge in identifying strategies for commonly encountered problems.

Course Director: Kelly Wallin, MS, RN

Faculty: Deborah Arnold, RN, MSN, CMSRN; Kelly Wallin, MS, RN; Haru Okuda, MD; Frances Todd, MSN, RN; Tom LeMaster, MSN, MEd, NREMT-P

Linebacker Stan: An Interprofessional Simulation

Room: 28E

5PP.380Int

Podium Presentation

Course Overview: On-field care of a spine injured football player in respiratory or cardiac arrest requires teamwork and expediency in the proper removal of equipment to access the airway and the chest for resuscitation. It is imperative that the medical team practice not only the skills involved in properly caring for these patients, but also the communication, teamwork and handoffs to be able to obtain the best possible outcome.

Course Director: Micki Cuppett, EdD, ATC

Faculty: Marisa Belote, RN, BSN, MBA; Micki Cuppett, EdD, ATC

Low-tech Simulation Provides High Quality Surgical Training for Residents

Room: 29B

5PP.351Beg

Podium Presentation

3:00 PM to 3:45 PM

Course Overview: Over the last two decades surgical technique has made tremendous strides and changed the landscape of a patient's surgical options. However, the advance of minimally invasive surgery created a training problem for one program that required simulation to solve. A low-tech simulator proved to be the perfect solution. This presentation describes the content and process of that simulation training and serves as a demonstration of the educational benefits still found in low-tech simulation.

Course Director: David Kushner, MD

Faculty: Heather Einstein, MD, MPH; David Kushner, MD

Meet the IMSH Scientific Content Committee for Your Research Question or Abstract Feedback!

Room: 29C
4RT.1614Adv
Meet the Simpros Roundtable Discussion

Course Overview: This educational endeavor provides IMSH abstract authors an opportunity to review their abstracts with the members of 2012 Scientific Content Committee. Participants are also welcomed to obtain guidance and feedback from the faculty regarding their current research projects in progress.

Course Director: Joshua Hui, MD

Faculty: Joshua Hui, MD; Christine Parks, MD

Oral Presentations: Social and Team Issues

Room: 23C
5RT.1661
Research and Program Innovations

RESEARCH ABSTRACT #529

Improvement in Neonatal Resuscitation Teamwork Skills After TeamSTEPPS Training

Authors: Taylor Sawyer, DO, Med; Joseph Hudak, MD; Vickie Ann Laubach, MSN, RNC-NIC; Kelli Yamamura, PNP; Amber Pocrnich, BSN

Presenter: Taylor Sawyer, DO, Med

RESEARCH ABSTRACT #801

The Effect of Trauma Team Training on Pediatric Trauma Patient Outcome

Authors: Nicholas Porter, DO; Tonya Thompson, MD, MA; James Graham, MD

Presenter: Nicholas Porter, DO

RESEARCH ABSTRACT #624

The Effects of Operating Room Team Dynamics on Trainee's Ability to Challenge Authority: Measuring Health Advocacy With Patient Simulation

Authors: Dylan Bould, MBChB, MEd; Viren Naik, MD, MEd, FRCPC; Jessica Burjorjee; Cristian Arzola, MD, MSc; Zeev Friedman, MD

Presenter: Zeev Friedman, MD

Patient Welfare First: Six Years Experience with Simulation-based Interprofessional Education for Pre-licensure Health Sciences Students at Queen's University

Room: 28A
5PP.630Int
Podium Presentation

Course Overview: Many organizations have recognized the value of interprofessional education for health professional students; however, they are struggling to overcome the many barriers that arise. This presentation will describe a six-year program of simulation-based education for nursing, physiotherapy and medical students that has been successfully implemented and integrated into the pre-licensure curricula of the three schools.

Course Director: Marian Luctkar-Flude, RN, MScN, PhD(c)

Faculty: Robert McGraw, MD, MEd, FRCPC; Marian Luctkar-Flude, RN, MScN, PhD(c)

Performance Evaluation: Can it Be Done in the Simulation Center?

Room: 29D
5PP.82Adv
Podium Presentation

Course Overview: Developing “high stakes” performance evaluation criteria to assess competency of staff after a medical error/sentinel event can be challenging. Are they safe to return to practice after such an event? This presentation will use Just Culture principles as a framework for creating performance evaluations using simulation to assess staff fitness for return to work. The discussion will focus on the methods and tools used to measure and document competence. Three case studies will be explored.

Course Director: Denise Schoen, RN, MSN

Faculty: Cinnamon Desgres, RN, MSN; Denise Schoen, RN, MSN

State of the Evidence (Part 6): Self-Monitoring, Self-Regulation, and Instructor Presence

Room: 20B/C/D
5PP.199Adv
Podium Presentation

Course Overview: Session six of six. This session will compare the impact on learning outcomes of faculty-led training versus unsupervised, self-regulated training. The implications for achieving balance between and capitalizing on the benefits of both simulation-based training approaches will be discussed.

Course Director: Ryan Brydges, PhD

Faculty: Ryan Brydges, PhD

Streamlining Daily Operations

Room: 30E
5EP.1622
Expert Panel

Course Overview: This session will explore how different simulation centers operate on a daily basis, with an emphasis on the role simulation technicians play in maximizing efficiency while maintaining staff sanity. Panelists from three centers will present strategies to address common yet challenging problems with core technology and will share practices to keep centers running smoothly. Audience members will have the opportunity to present specific challenges to the panelists.

Course Director: Kam McCowan, BS EMT

Faculty: Kam McCowan, BS EMT; Lance Baily; Jordan Halasz

Taking Realism Up a Notch! Use of an Electronic Medical Record and Medication Dispensing System in Simulation

Room: 29A
5PP.1149Int
Podium Presentation

Course Overview: Do your participants struggle with realism related to medication or patient information? Do you hear this isn't like the bedside? Our participants' evaluations and feedback led to strategies creating a more realistic environment. This podium presentation will focus on one journey to take realism up a notch in the simulated environment through the development of a medication dispensing system and transition from paper documentation to an electronic medical record.

Course Director: Krista Kipper, BSN, RN

Faculty: Stacy Chew, MS, RN, OCN; Krista Kipper, BSN, RN

Using Simulation to Finalize Design for New Patient Rooms

Room: 28C
5PP.1284Adv
Podium Presentation

Course Overview: Join faculty who are about to break ground on a new wing for acute and intensive care pediatrics. Share their experiences working in mocked-up rooms before final determinations were made for the location of connections on the headwall, bathroom appliances, bathroom door, and nursing work space. Simulations were debriefed in the mocked-up rooms to facilitate the process and determine recommendations for final design of the room. This multidisciplinary group discussed simple to complex situations including family interactions.

Course Director: Linda Hargreaves, RN, MSN

Faculty: Linda Hargreaves, RN, MSN; Cassandra Bergero, RN, FNP, CNS

Tuesday, January 31, 2012

3:00 PM – 4:30 PM 1.50 Contact Hours

Applying the Change Acceleration Process to Curriculum Development: Defining Outcomes, Achieving Buy-In, and Measuring Success of Simulation-enhanced Interventions

Room: 30B
5WS.931Adv
Workshop

Course Overview: Education and training using high-fidelity simulation is an expensive and resource-intensive methodology. This workshop will introduce the incorporation of Change Acceleration Process tools and Six Sigma methodology to simulation-based curriculum development to define measurable outcomes, to achieve buy-in, and to measure effectiveness.

Course Director: Liana Kappus, MEd

Faculty: Heejung Laird, EdD; Jason Zigmont, PhD; Liana Kappus, MEd; Stephanie Sudikoff, MD

Assessment of Team Performance

Room: 30C
5WS.750Int
Workshop

Course Overview: Effective teamwork is critical in the delivery of high quality patient care. This hands-on workshop will review evidence of successful teamwork within medicine and describe several existing team assessment tools. Participants will utilize an electronic data collection device to assess learners engaged in a team activity. Participants will learn how to structure and execute assessments of educational interventions that enhance the effectiveness of teams' ability to work effectively to improve patient outcomes.

Course Director: John Vozenilek, MD, FACEP

Faculty: Paul Pribaz, MS; John Vozenilek, MD, FACEP; Lanty O'Connor, BA; David Salzman, MD; Craig Adams, BA; Susan Eller, RN, MSN

Death by Debriefing

Room: 32B
5WS.676Adv
Workshop

Course Overview: This workshop is designed for debriefers of all levels from novice to advanced. Attendees will have the opportunity to observe and rate debriefings conducted by experts in the field as well as try their hand at debriefing. Each expert, using their own individual style and techniques, will debrief learners based on a short video clip. This workshop is not intended as a competition but rather a way to highlight different styles and their strengths and weaknesses.

Course Director: Kimberly Yaeger, RN, MEd

Faculty: Kimberly Yaeger, RN, MEd; Steven Howard, MD; Peter Dieckmann, PhD; Ruth Fanning, MB, MRCPI, FFARCSI; Sara Goldhaber-Fiebert, MD; Walter Eppich, MD, MEd; David Gaba, MD

IMSH Certified Healthcare Simulation Educator: Advanced Application and Portfolio Development Workshop

Room: 33A
5WS.1376Adv
Workshop

Course Overview: A collaborative effort led by the Society for Simulation in Healthcare has developed a Certification in Healthcare Simulation Education - Advanced (CHSE-A) program. The goal is to advance the field of healthcare education utilizing simulation and to recognize the individual achievements of simulation educators. A CHSE-A can demonstrate the ability to integrate simulation modalities into healthcare education. In this workshop, participants will be guided through the CHSE-A application process that includes creating their own Simulation Healthcare Educator portfolios.

Course Director: Wendy Gammon, MA, MEd

Faculty: Andrew Spain, MA, NCEE, CCP-C; Wendy Gammon, MA, MEd; Connie Lopez, MSN, RNC-OB, CNS

Innovations in Equipment Development to Augment the Simulation Experience

Room: 31B
5WS.446Int
Workshop

Course Overview: Current adjuncts to augment simulation can be created in simulation labs that teach a variety of learners. The innovative adjuncts can be created with minimal expense and provide resources that do not exist on the proprietary market. The recipes for equipment development include: 1) Making realistic skin that bleeds with incision; 2) Nosebleed simulator creation; 3 Model for evaluating the pregnant cervix; 4) The Pus Pocket; and 5) Knee Arthrocentesis model.

Course Director: Ernest Wang, MD

Faculty: Shekhar Menon, MD; Pamela Aitchison, RN; Peggy Ochoa, RNC-OB, BS, MS; Mary Gitelis, RN; Morris Kharasch, MD; Ernest Wang, MD

Moving Pharmacology Class to the Bedside Using Clinical Simulation

Room: 31C
5WS.1473Adv
Workshop

Course Overview: A unique alternative instructional approach to a basic nursing pharmacology course will be described. Cooperative learning strategies utilizing simulation in the classroom prepare nursing students to function in productive patient care teams. This team development approach leads up to the five week final course unit, Clinical Application of Drug Therapy, which is conducted entirely in the simulation lab, replacing the traditional classroom lecture.

Course Director: Sheron Rowe, MSN, LRHM, RN

Faculty: Maureen Tremel, MSN, ARNP, CNE; Sheron Rowe, MSN, LRHM, RN; Sharon Saidl, MSN, RN

Not All Simulation is Resuscitation: Using Simulation and Standardized Patients as a Means to Teach Communication Skills

Room: 24A/B/C
5WS.770Int
Workshop

Course Overview: Traditionally, simulation scenarios involve high-intensity critical events designed to assess knowledge and the skill base of a learner. However, simulation can also serve as a venue to observe and evaluate communication skills that may not otherwise be assessed. Patient actors or standardized patients (SPs) are a wonderful resource to utilize. This workshop will teach the incorporation of SPs into simulation scenarios, the evaluation of communication skills, and the use of SPs in the debrief process.

Course Director: Dawn Tuell, MD

Faculty: Dawn Tuell, MD; Debra Mills, MD; George Abraham, MD; Beth Fox, MD, MPH, FAAFP; Martin Eason, MD, JD; William Linne, BS, BFA

Simulation Theater: An Innovative Conflict Resolution Teaching Methodology for New Healthcare Leaders

Room: 30A
5WS.805Int
Workshop

Course Overview: Effective leadership is difficult to measure; yet it is integral to a successful manager. There are few opportunities for skill development before being confronted in the clinical setting. Simulation allows exploration of behavior, feedback and demonstration of effective approach to complex situations. Integration of Standardized Patients allows new leaders to enact learning by doing. This workshop will introduce conflict resolution curriculum development, facilitation and maximizing a learner-centered classroom through role play, observation of video and discussion.

Course Director: Kathryn Schaivone, MPH

Faculty: Kathryn Schaivone, MPH; Pamela Leonard, RN, MS, PhD

Simulation Using Virtual Reality: How Do I Do That?

Room: 22
5WS.1229Adv
Workshop

Course Overview: Health educators and practitioners are facing unparalleled challenges as they address the changing demographics of today's learners. An increasing number of conference participants are asking for the opportunity for hands-on learning. During this workshop, participants will be shown the tools needed to run simulations in a virtual reality platform such as Second Life, and will leave with a link to a database including detailed directions about how to get started in their respective institutions.

Course Director: Jone Tiffany, DNP, MA, RNC

Faculty: Wade Schuette, BA, MBA, MPH; Jone Tiffany, DNP, MA, RNC; Brant Knutzen; Jane McKinley, RN

Simwars!

Room: 20A
4PS.1630
Sim on Stage

Course Overview: Simwars is an interactive simulation competition that allows teams of clinical providers to compete against each other on simulated patient encounters in front of a large audience. The competition allows teams to demonstrate their communication, teamwork, and clinical management skills. A simulated clinical environment is created for this competition. Upon completion of each simulation encounter, three expert judges give feedback in the form of a mini-debriefing. The audience then votes on a winner.

Course Directors: *Stephen Andrew Godwin, MD; Lisa Jacobson, MD; Haru Okuda, MD*
Teams Pending

SSH-NLN Symposium: Interprofessional Education in Healthcare Simulation

Room: 29C
5EP.1642
Expert Panel

Course Overview: This interactive session will provide a summary of the findings from the Interprofessional and Healthcare Simulation Symposium held just prior to IMSH. The panel will provide a report that includes the state of the merged sciences (IPE and Simulation), a synthesis of the current practices of major professional organizations, a description of the educational content and consensus meeting processes, findings related to challenges and barriers, a description of ways to further IPE through simulation, and recommendations on future actions. An audience response system (ARS) will be used to validate the findings and recommendations before publication of a White Paper on the use of simulation to facilitate IPE and achieve the competencies required for effective interprofessional practice.

Faculty: Steering Committee Members, SSH-NLN IPE Symposium

Technical Competencies for Healthcare Simulation Technicians in Education and Training Setting: A Prototyping Workshop

Room: 30D
5WS.1646
Workshop

Course Overview: The session will begin with a presentation on the concept of professional competencies as used among human performance specialists in many industries to describe the personal knowledge, skills and abilities (aka “competencies”) required of employees to meet the demands of any job. Participants will actively identify competencies required in their work setting and those that they have acquired from their personal education, training or actual work experiences.

Course Director: Jacob Seagull

Faculty: Jacob Seagull, Timothy Brock, PhD, CPT; John Rice

Use of an Audience Response System (ARS) for Standardized Patient and Clinician Evaluator Training

Room: 25A/B/C

5WS.1420Adv

Workshop

Course Overview: During this workshop, participants will be introduced to a standardized evaluation tool used to evaluate communication and team skills at the University of Oklahoma Clinical Skills and Education Center. This tool, which utilizes an Audience Response System (ARS), facilitates interactive training, incorporating peer feedback as a tool to improve evaluator consistency and inter-rater reliability. This tool will be used to evaluate learner performance in videotaped patient encounters. Inconsistencies and patterns in individual evaluations will be displayed and discussed by the group.

Course Director: Britta Thompson, PhD

Faculty: Britta Thompson, PhD; Matthew McCoy, MEd; Michelle Wallace, BS

Utilizing Social Networking/Web 2.0 Tools to Better Serve the Needs of Your Learners and Your Research, Teaching and Communications

Room: 31A

5WS.522Beg

Workshop

Conference Overview: Social Network technology enables people to access and share information at anytime, from wherever they might be. Using those tools more efficiently is an important skill for healthcare providers across disciplines. We will introduce some of the most common Social Network tools and the basic functions in the healthcare and medical simulation domain for collaboration. Laptop, tablet, and smart phone utilization is highly recommended during this hand-on course to enhance learning experience.

Course Director: Yue Dong, MD

Faculty: Yue Dong, MD; Jeffrey Taekman, MD; Eric Bauman, PhD, RN, EMT-P

Tuesday, January 31, 2012

4:00 PM – 4:45 PM 0.75 Contact Hours

Designing Sensitive Simulations: Preparing for End-of-life Care of Patients and Families of the Islamic Faith

Room: 28B

5PP.1221Int

PODIUM PRESENTATION

Course Overview: This interactive session will focus on modelling how to best design sensitive simulations considering faith with culture in the end-of-life care of patients and families. A brief plenary session, focusing on examination of Islamic cultural differences, will foster bridging the diverse beliefs with appropriate, sensitive clinical practice using a progressive simulation scenario. Participants will have the opportunity to develop ideas for future end-of-life simulation scenarios using a template advocating specialized and culturally sensitive care.

Course Director: Jayne Smitten, PhD(c), RN

Faculty: Leanne Wyrostok, RN, MN; Isabelle Kelly, MHA; Jayne Smitten, PhD(c), RN

Expanding the Critical Lens of Simulation Assessment: Sharpening the Focus on Interpersonal Communication Behaviors and Relationship Building

Room: 28A

5PP.308Adv

PODIUM PRESENTATION

Course Overview: This presentation will highlight the benefits of an interdisciplinary approach to communication assessment, using both Nursing and Department of Communication faculty. The presenters will illustrate how interpersonal, team, leadership, and health communication behaviors can be evaluated vis-a-vis an interdisciplinary collaboration.

Course Director: Eileen O'Shea, DNP, MSN, RN

Faculty: Michael Pagano, PA-C, PhD; Eileen O'Shea, DNP, MSN, RN

Growing our Own Staff: Teaming Up with Paramedics

Room: 29A

5PP.576Int

PODIUM PRESENTATION

Course Overview: Operating a simulation center presents a plethora of challenges at all levels. Traditionally, staff and faculty have run programs. The University of Illinois at Chicago has successfully partnered, employed, and trained paramedics to work as part-time procedural skills instructors and simulation technicians. This session will explore best practices and look at creative solutions to solving staffing needs while improving the standardization and quality of programs.

Course Director: Cindy LeDonne, BA

Faculty: Cindy LeDonne, BA; Kathleen Fisher, RN, CNS, APN

Implementation of Simulation into the Annual Performance/ Competency Evaluations for Healthcare Providers

Room: 28C
5PP.209Adv
PODIUM PRESENTATION

Course Overview: Turmoil in the economy, looming healthcare reform, the convergence of a shortage of nursing professionals, the demand for improved patient safety with decreased medical errors with limited resources has created an environment likened to the perfect storm. This session will demonstrate how simulation can play a key component in the acquisition and maintenance of competencies for all levels of healthcare providers.

Course Director: Leigh Ann Cates, MSN, NNP-BC, RRT-NPS

Faculty: Diana Wilson, MSN, RN, NNP-BC; Leigh Ann Cates, MSN, NNP-BC, RRT-NPS

Is My Facility What I Expected? Simulation Center Design Evaluation

Room: 28E
5PP.812Int
PODIUM PRESENTATION

Course Overview: This informative session will detail the results of a comprehensive facility survey of several leading simulation centers with regards to documented structural design considerations, special features, barriers and successes. Specific facility metrics and concepts will be shared with attendees and the presenters will share suggestions, implications and conclusions on optimal simulation facility design methods based upon the survey results.

Course Director: Scott Engum, MD

Faculty: Scott Engum, MD; Pamela Jeffries, RN, PhD, FAAN

Lots of Learning: Varied Methodologies in Simulation-based Healthcare Education

Room: 29B
5EP.276Adv
EXPERT PANEL

Course Overview: This session will contain content related to the implementation of a simulation-based, onboarding curriculum for new nurses, respiratory therapists, pharmacy residents, and unlicensed personnel in a large healthcare system. The session will also include experiences with in situ and mobile simulation at this facility. Feedback received from participants, as well as potential challenges and solutions will also be discussed.

Course Director: Heather Casper-McLay,

Faculty: Travis Spier, AD, RN, EMT-P; Heather Casper-McLay; Deborah Letcher, MA, RN

Milestones of Oman Medical Simulation Center

Room: 23B

5PP.1531Int

PODIUM PRESENTATION

0.75 Contact Hours

Tuesday, January 31, 2012

4:00 PM to 4:45 PM

Course Overview: Oman Medical Simulation center (OMSC) launched on the 10th of January 2011, and it is the first and the only simulation center opened in Oman. In addition to the launching of the Center, the OMSC official website also been inaugurated during the launching ceremony. Now, the center has different levels of simulators (Low, Medium and High fidelity simulators), and can simulate different types of simulation including standardized patient, human patient simulators, virtual reality, partial task trainers and computerized simulators.

Course Director: *Khalid Al-khanbashy,*

Faculty: *Khalid Al-khanbashy; Houd Al-Abri*

Oral Presentations: Social and Team Issues

Room: 23C

5RT.1664

PODIUM PRESENTATION

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #986 - 2nd Place

Teaching Communication Skills Using Standardized Patients in a Team Scenario: A G Theory Analysis

Authors: Mark Scerbo, PhD; Robert Turner, MA; Miguel Padilla, PhD; Gayle Gliva McConvey; Patrick Walker, BS

Presenter: Mark Scerbo, PhD

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #306 – 3rd Place

Using Adobe Captivate to Synchronize Trainers for a Multi-center International Simulation Intervention Study

Authors: Todd Chang, MD; Jennifer Reid, MD; Stephen Cico, MD, FAAEM, FAAP; David Kessler, MD, MS; Marc Auerbach, MD, MSCI

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #346

The KidSIM Interprofessional Team Training Curriculum: A Simulation Day Helps the Student Teams Play

Authors: Elaine Sigalet, MN, BSN; Vincent Grant, MD

Presenter: Vincent Grant, MD

Reflections on a Week with the Simulation Supervisors at the Johnson Space Center: What We in Healthcare Can Learn

Room: 29D
5PP.157Adv
Podium Presentation

This session will highlight lessons learned from a week of observation and interviews of simulation supervisors, flight controllers and astronauts during preparation for the launch of Space Shuttle Endeavor and its mission to the International Space Station. Discussion will focus on areas where NASA's approach to the use of simulation and training of instructors differs from that in healthcare and whether/how those different approaches should be utilized within healthcare.

Course Director: Louis Halamek, MD
Faculty: Louis Halamek, MD

Rolls Royce or Pumpkin Coach? How Do We Get Cinderella to the Ball? A Debate About the Relationship Between Technology and Fidelity

Room: 20B/C/D
5RT.1418Adv
Debate

Course Overview: The term high-fidelity is often used in the simulation community to indicate the level of realism, or how close we can come to replicating the real clinical environment during training and evaluation. High technology has historically driven the fidelity of the simulation experience, and therefore the term high-fidelity has become synonymous with high-technology. However, recent studies have demonstrated that low-technology simulation can have significant transfer effect in clinical practice, thereby demonstrating high-fidelity. The questions, then, are: does the term high-fidelity shackle low-technology simulation solutions as an underappreciated stepsister? How can we get the hard working Cinderella to ball? This session will explore the uses of the term high-fidelity as a holy grail of simulation and consider a potential shift in our community's vernacular.

Course Director: John Shatzer, PhD

Faculty: Pamela Andreatta, PhD; John Shatzer, PhD; Daniel Raemer, PhD

Using Media to Support Your Simulation Program

Room: 28D
5PP.1477Int
PODIUM PRESENTATION

Course Overview: From Grey's Anatomy, to local news, simulation has made it big! It is visual, easy to understand, and the general public gets it! Why not use media outlets to garner support for your simulation program? The focus of this session will be to describe the risks and benefits to engaging media attention for your simulation program, how to get media attention for your program, and how to utilize media to advocate for simulation in healthcare.

Course Director: Jennifer Arnold, MD, MSc

Faculty: Jennifer Arnold, MD, MSc

Wednesday, February 1, 2012

8:00 AM to 8:45 AM 0.75 Contact Hours

Avatar-based Post-traumatic Stress Disorder (PTSD) and Resiliency Training Simulation for Families of Returning Veterans

Room: Military Theatre Exhibition Hall G
6PP.1041
Podium Presentation

Course Overview: This presentation will provide an overview of a new, web-based training simulation that provides families of returning veterans with the knowledge, confidence and skills to recognize when their loved-one is in need of help for PTSD, depression and thoughts of suicide, and to effectively speak with them so they will seek care at the local VA. Users engage in simulated conversations with fully-animated emotionally responsive veteran avatars who possess memory and personality and are exhibiting signs of PTSD and depression. These highly realistic role-play experiences enable users to internalize best practices for approaching and talking with at-risk veterans and motivating them to seek help at the VA.

Course Director: Glenn Albright, PhD

Faculty: Glenn Albright, PhD

Challenges in Audio Visual Technology for Healthcare Simulation: The State of the Art and Challenges

Room: 30E
6EP.1620
Expert Panel

Course Overview: This interactive panel session focuses on current and future audio visual technology used for providing enhanced education and debriefing in simulation centers. Expert panelists will include technologists and center directors who work with AV technology to improve the effectiveness of technology and its application in simulation programs. Their presentations will focus primarily on the benefits and challenges of the technology itself, and not the specific methods of capturing.

Course Director: Todd Summerson,

Faculty: Lance Baily; Todd Summerson

Competencies to Taxonomies to Position Descriptions to Pay Scales

Room: 30D
6EP.1653
Expert Panel

Conference Overview: This panel will address steps in a process necessary to link required employee technical competencies to taxonomies needed to create position descriptions and titles that can be translated in pay schedules that will support simulation managers' staffing requirements.

Course Director: Michael Densley

Faculty: Michael Densley; Jacob Seagull; Tim Brock; John Cordova, RN

Curricular Innovations from Practice to Ivory Tower: A Sepsis Education Project for Nursing with Potential Interprofessional Collaborations

Room: 29B
6PP.1336Int
Podium Presentation

Course Overview: A curricular innovation implemented in a baccalaureate nursing program with roots in a successful simulation-based continuing education course for RNs will be described. The focus of the innovative multi-modal learning course is sepsis management, a top priority in healthcare today. Highlights of this presentation will include the unique collaborative process between clinicians and educators to develop the academic and CE programs, results of data collected from these pilot projects and recommendations for future interprofessional collaborations.

Course Director: Celeste Villanueva, CRNA

Faculty: Celeste Villanueva, CRNA; Patricia Brennan, PhD, RN, MS

End-of-life Simulation of Therapeutic Communication and Care Using Standard Patients and a High-fidelity Mannequin

Room: 29C
6EP.1241Beg
Expert Panel

Course Overview: Practicing nurses receive very little undergraduate or continuing education in communication with EOL patients. Clinical rotations of undergraduate programs focus on the psychomotor tasks of caring for the living. Rarely does the student have the privilege of caring for someone who is actively dying. Using AACN and ELNEC competencies and course outcomes as a guide, simulations can provide the student insights into elements of care that seem to provide the most emotional distress for students.

Course Director: Ruthann Brintnall, PhD, AOCN, CHPN, APRN-BC

Faculty: Ruthann Brintnall, PhD, AOCN, CHPN, APRN-BC; Carol Robinson, MS, RN, RRT

From 500 to 5000 Square Feet: Why Hospital Administration Made a New Commitment to Simulation Education

Room: 28C
6EP.537Beg
Expert Panel

Course Overview: The Center for Simulation Technology and Academic Research (CSTAR) has been providing simulation education in a 500 square foot space with donated physician time and one full time nurse provided by the hospital since 2003. In 2011 the hospital completed a 5000 square foot simulation space, complete with four full time employees. The vice president of Northshore University Health Systems and the physicians in charge of CSTAR discuss the evolution of this expanded commitment to simulation education.

Course Director: Morris Kharasch, MD

Faculty: Ernest Wang, MD; Gabrielle Cummings, MHA, FACHE; Morris Kharasch, MD

INACSL Standards for Best Practice in Simulation

Room: 28D
6PP.476Int
Podium Presentation

Course Overview: The International Nursing Association for Clinical Simulation and Learning (INACSL) will present the Standards for Best Practice in Simulation. This is a result of a two year collaborative project including input from Nursing Simulation Leaders, the INACSL membership, and expert peer reviewers from healthcare simulation. The standards can be utilized to provide a framework for your simulation program, guide research projects, and attract potential donors.

Course Director: *Valerie Howard, EdD, MSN, RN*

Faculty: *Teresa Gore, DNP, CRNP, RN; Valerie Howard, EdD, MSN, RN*

It's All Simulation: Integrating Simulation Centers and Standardized Patient Programs

Room: 28E
6EP.1210Beg
Expert Panel

Course Overview: This panel discussion will enable participants to explore Simulation centers past, present and future progress and goals integrating Standardized Patients (SPs) and Simulation Technologies. Expert panelists will present several approaches/examples of simulation center administration and operations that have been used to integrate both SP methodology and simulation technology into one comprehensive program.

Course Director: *Gayle Gliva McConvey,*

Faculty: *Geoffrey Miller, BS, EMT-P; Mary Cantrell, MA; Anne Chapin, ME, LPC; Gayle Gliva McConvey*

Lessons Learned from a Multidisciplinary Team Training Program in a PEM Setting

Room: 28A
6PP.244Adv
Podium Presentation

Course Overview: A multidisciplinary group secured funding for a quality improvement simulation enhanced team training project in a pediatric ED setting. One component of this project was to run 180 in situ simulations. During this process, the team identified 22 recurrent systems issues and latent hazards which had gone unnoticed or unreported during routine patient care. This presentation elaborates on these findings and reviews the measures taken to initially identify and rectify these systems issues and latent hazards.

Course Director: *Frank Overly, MD, FAAP*

Faculty: *Linda Brown, MD, MSCE; Frank Overly, MD, FAAP*

Oral Presentations: Training, Education and Assessment

Room: 23C

6RT.1665

Research and Program Innovation

RESEARCH ABSTRACT #395

Reliability, Fidelity and Usefulness of a Simulation-based Assessment of Anesthesia Resident Performance

Authors: Richard Blum, MD, MSE, FAAP; Jeffrey Cooper, PhD; Sharon Muret-Wagstaff, PhD

Presenter: Richard Blum, MD, MSE, FAAP

RESEARCH ABSTRACT #1296 - 2nd Place

Generalizability of Combat Trauma Procedure Performance Assessments for Training Modality Research

Author: Matthew Lineberry, MA

Presenter: Mathew Lineberry

RESEARCH ABSTRACT #543 - 3rd Place

Can Simulated Learning Environments Combined With Clinical Immersion Achieve Equivalent or Higher Achievement of Competency Compared to Traditional Clinical Immersion in Cardiorespiratory Physiotherapy? A Randomized Controlled Trial

Author: Felicity Blackstock, BPhysio (Hons); Anne Jones, PhD, Mphysio, BScPhysio; Kate Watson, MPhty, BHMS; Norman Morris; Joan McMeeken, Dip Physio, MSc; Anthony Wright, BSc(Hons), PhD; Darren Rivett, BAppSc(Phty), PhD; Terrence Haines, PhD; Gwendolen Jull, M Phty, PhD, FACP

Presenter: Felicity Blackstock, BPhysio (Hons)

Should EMS Be Required to Utilize Simulation for Certification?

Room: 29D

6RT.714Int

Debate

Course Overview: This debate will examine the use of simulation in examinations, including local, state, nursing and physician board exams. Scenarios can be created that test the same objectives each time, eliminate instructor bias, and effectively measure student performance. But at what cost? While trying to make the scenario realistic, simulation adds an element of complexity and can contribute to student anxiety. The list of concerns grows, as does the list of positive outcomes.

Course Director: Amar Patel, MS, NREMT-P, CFC

Faculty: Amar Patel, MS, NREMT-P, CFC; Richard Low, II, EMT-P

Using Simulation to Facilitate Transition from New RN Graduate to Competent Emergency Department Nurse

Room: 23A

6RT.651Int

Meet the Simpros Roundtable Discussion

Course Overview: Transitioning new graduate RNs to the hospital environment is tough under the best of circumstances. Adequately preparing them for work in the emergency department can be close to impossible. This pilot program for newly graduated nurses has inspired our other hospital departments to revamp their orientation programs, incorporating simulation as a bridge between the academic setting and the clinical setting. Faculty will show how new graduate RNs assimilate more quickly into the emergency department environment as fully functional RNs and are more confident in their role as a member of the ED team.

Course Director: Karla Davis,

Faculty: Judith Miller, RN, MSN; Karla Davis; Randy Johnson, PhD

Why Not Ask the Family? Simulation Use for Difficult Conversations

Room: 29A

6PP.26Adv

Podium Presentation

Course Overview: This interactive presentation will discuss and demonstrate the use of simulation for health care provider practice in conducting difficult conversations with family members using trained parent actors in a variety of scenarios and debriefings.

Course Director: Karen Crow, MEd

Faculty: Mary Wolf; Karen Crow, MEd

Wednesday, February 1, 2012

8:00 AM to 9:30 PM 1.50 Contact Hours

Debriefing as Formative Assessment: Concepts and Practice

Room: 31A
6WS.787Int
Workshop

Course Overview: This workshop familiarizes participants with the theory and practice of conducting formative assessments in debriefings. Steps include: identifying a performance gap; providing feedback; investigating the basis for the gap; and closing the gap. The workshop blends didactic and experiential approaches to provide participants the concepts and experience to conduct formative assessments using debriefing. Published articles that participants can use for learning or teaching debriefing in their own contexts will be referenced.

Course Director: *Jenny Rudolph, PhD*

Faculty: *Toni Walzer, MD; Daniel Raemer, PhD; Walter Eppich, MD, MEd; Robert Simon, EdD; Jenny Rudolph, PhD*

Debriefing Olympics

Room: 20A
6WS.1492
Workshop

Course Overview: An innovative and dynamic format will be used for this newest IMSH competition series. Three debriefers will assess a team of three role players seen on a video. Judges will provide feedback to the debriefers and the audience will reflect on their performance and the feedback. Audience members, judges and guest debriefers will rate the debriefings, and discuss and reflect the process.

Course Director: *Peter Dieckmann, PhD*

Teams Pending

Designing the SimCenter of the Future

Room: 33A
6WS.1343Adv
Workshop

Course Overview: In this interactive session, architects and simulation center leaders familiar with simulation center design will present information and assist in the design of the participant's Sim Center of the Future. A brief plenary presentation will be followed by small groups working with materials to design a simulation laboratory.

Course Director: *John Vozenilek, MD, FACEP*

Faculty: *John Vozenilek, MD, FACEP; Susan Eller, RN, MSN; Malvin Whang, MA, BA*

Efficiency and Quality Assurance: Getting Your New SPs to the One-Hour Training

Room: 30B

6WS.1533Int
Workshop

Course Overview: This workshop is intended to provide a flying start for novices, as well as to refine the skills of veterans working with standardized patients. Topics presented will lead to decreased training time with preserved (and possibly increased) quality of SP presentation.

Course Director: *Ralitsa Akins*

Faculty: *Ralitsa Akins*

Exploring your Senses: Innovative Ways to Teach Crisis Resource Management

Room: 25A/B/C
6WS.1073Adv
Workshop

Course Overview: In this interactive workshop, participants will learn new and innovative ways to teach crisis resource management using simulation and sensory deprivation (e.g., loss of sight or sound). Participants will engage in small and large group activities and have a chance to practice these techniques. The workshop will also include a discussion of implementation techniques so participants can institute these strategies in their own institutions.

Course Director: *Kimberly Stone, MD, MS, MA*

Faculty: *Kimberly Stone, MD, MS, MA; Lennox Huang, MD; Adam Cheng, MD, FRCPC, FAAP; Stephanie Sudikoff, MD; Jennifer Reid, MD*

Goal-directed Learning: Early Assessment, Graduated Responsibility, and Individualized Education Plans for Family Medicine Interns

Room: 30C
6WS.1445Int
Workshop

Course Overview: Interns come from a variety of educational and cultural backgrounds and readiness for residency. The use of communication OSCEs, clinical simulation scenarios, procedural task trainers, and competency-based self assessments provide a good understanding of the strengths and deficiencies of new residents as well as readiness for graduated responsibilities of patient care. This information leads to an early opportunity for individualized education plans to optimize curricular experiences during the first critical months of residency.

Course Director: *Beth Fox, MD, MPH, FAAFP*

Faculty: *Jake Drumm, EMT-P; Dawn Tuell, MD; Beth Fox, MD, MPH, FAAFP; Martin Eason, MD, JD*

How to Apply for Certification as a Healthcare Simulation Educator (CHSE): A Self-Evaluative Workshop

Room: 32B
6WS.488Int
Workshop

Course Overview: Continuing Education Credit is not available for this course.

This session will guide the participant in a self-assessment of their knowledge, skills, and behaviors as a simulation instructor in preparation for the upcoming program to certify as a Healthcare Simulation Educator (CHSE). At the end of the session, the participant will leave with a roadmap designed to prepare him/her for the certification process. This is designed to help the participant gain an understanding of what is to be expected to successfully pass the CHSE examination, and will also give the participant an opportunity to evaluate their own set of knowledge, skills, and attitudes to determine where any gaps may exist.

Course Director: Andrew Spain, MA, NCEE, CCP-C

Faculty: Andrew Spain, MA, NCEE, CCP-C

Implementing Observational Rating Systems in Simulation-based Training Curriculum

Room: 33B

6WS.409Int

Workshop

Course Overview: This workshop provides guidance on how to develop, implement, and evaluate an effective observational measurement rating system. Workshop participants will be given a tutorial on the practical implications of using observational performance measurement tools, have the opportunity to observe and rate teamwork behaviors using video examples, complete an interactive exercise targeting reliability and generalizability, and engage in a facilitated discussion on the management strategies when implementing performance measurement tools into a simulation-based curriculum.

Course Director: Elizabeth Lazzara, MA

Faculty: Sallie Weaver, PhD; Michael Rosen, PhD; Moshe Feldman, PhD; Elizabeth Lazzara, MA

Interprofessional Team Training: Using Simulation to Teach Professionalism

Room: 32A

6WS.121Int

Workshop

Course Overview: How can simulation be used to teach team professionalism? A trigger video will promote discussion on the definition of professionalism. Facilitated breakout groups will develop simulation scenarios that address different professional learning needs, using tailored scenario templates (incorporating learning objectives, scenario setup, scenario implementation, debriefing points). Each group will present their approach to a different professionalism problem. At the end of the workshop, participants will have fully developed scenarios to trial at their own center.

Course Director: Michelle Chiu, MD, FRCPC

Faculty: Amy Fraser, MD, FRCPC, MHPE (cand); Daniel Power, MD, CCFP(EM), FRCPC; Michelle Chiu, MD, FRCPC; Simone Crooks, MD, FRCPC

Iron Sim

Room: 20B/C

6PS.1633

Sim on Stage

Course Overview: This session is a competition involving teams solving clinical problems using simulators. The objective of each competition is to complete individual tasks built into each simulation. The competition is modeled after the television cooking competition show “Iron Chef” where two teams compete to make a dish using a mystery ingredient. In this show there will be a mystery case unknown to each team that will be revealed at the beginning of each competition.

Course Director: *Martin Eason, MD, JD*
Teams Pending

Making Interprofessional Simulation Education Work

Room: 28B
6EP.340Int
Expert Panel

Course Overview: Implementing an Interprofessional Simulation Education (IPSE) program can be a challenge for any institution, however it is a necessity in the contemporary push towards interprofessional health care. In this session, faculty members from a variety of clinical and educational settings discuss the challenges faced in implementing an IPSE program and offer suggestions on overcoming similar challenges in your institution.

Course Director: *Renee Pyburn, RN, MS*
Faculty: *Darlene Bourgeois, MSN, RN; Caren Gellin, MD; Betsy Bencken, NREMT-B, MS; Renee Pyburn, RN, MS; Jeff Myers, DO, EdM*

Preventing Tragic Outcomes: A Multidisciplinary, Interactive Case-based Workshop on Effective Crisis Resource Management

Room: 31B
6WS.857Adv
Workshop

Course Overview: This workshop provides a multidisciplinary, interactive session utilizing an actual case. A courtroom drama presentation permits the audience to visualize the crisis events and provides opportunity to question the prosecution and defense in order to investigate how crisis resource management could have averted a negative and tragic outcome. A video portrayal of recreated events using the human patient simulator is presented, and includes an interactive debriefing component. The session focuses on crisis resource management, simulation education, and protocol development.

Course Director: *Zaki-Udin Hassan, MBBS*
Faculty: *Zaki-Udin Hassan, MBBS; Amy DiLorenzo, MA; Edwin Bowe, MD; Randall Schell, MD, MACM*

Simulating Difficult Patient Cases

Room: 31C
6WS.1483Adv
Workshop

Course Overview: This interactive workshop on the use of Standardized Patients (SPs) to simulate difficult patient cases (DPCs) in clinical settings will cover a variety of implementation and presentation topics, including: SP recruitment and training; identifying difficult patient cases; and, small group structure of multiple encounters. The workshop format will facilitate a learning points analysis and discussion of several video recorded DPCs to include topics of professionalism, inter- and intrapersonal communication, legal issues and others for health sciences learners.

Course Director: William Murphy-Sharp, MS, Ed

Faculty: Barbara Kohlenberg, PhD; William Murphy-Sharp, MS, Ed

Situation Awareness: Simulation Tests that Teach

Room: 30A
6WS.234Adv
Workshop

Course Overview: Simulations designed for problem-solving can serve as powerful information retrieval and learning events. Simulation tests can also promote development of error prevention practice habits. Endsley's model of Situation Awareness in Dynamic Decision Making has been successfully used as a framework for developing performance assessment scenarios and measurement instruments. This process for developing assessment scenarios and instruments will be presented, demonstrated, and adapted to address a variety of patient safety concerns.

Course Director: Janine Hinton, PhD, RN

Faculty: Janine Hinton, PhD, RN

Wednesday, February 1, 2012

9:00 AM to 9:45 PM 1.50 Contact Hours

Adventures in Hospital-based Simulation: A Seven-Year Journey

Room: 29A
6EP.1314Int
Expert Panel

Course Overview: This presentation will describe the evolution of a hospital-based simulation program, from its 600 square foot beginning, through an 1100 square foot, one-room schoolhouse, to a 9400 square foot, eight room virtual hospital. Many innovative simulation sessions and uses will be described, for practitioners including doctors, nurses, allied health care providers, and even environmental services. An interactive, discussion-based format will be used to dialogue with the audience.

Course Director: Charles Fort, MSN, RN

Faculty: Charles Fort, MSN, RN

Do We Need to Build a High-fidelity Center and Buy High-fidelity Simulators With Their Highfidelity Models?

Room: 29D
6RT.1127Int
Debate

Course Overview: What is fidelity? How much and what kinds of fidelities are better for learning knowledge? For skills? For attitudes? These and many other questions will be examined during this debate.

Course Director: Richard Kyle, BSE, MS

Faculty: W Bosseau Murray, MD; Richard Kyle, BSE, MS

Educational Theory and Simulation: Understanding and Exploring the Reasons Why Simulation Works

Room: 28D
6PP.1139Adv
Podium Presentation

Course Overview: This session is designed to explore the pedagogical value of and underlying theoretical justification for the use of high-fidelity simulation. While a growing body of research points to the potential benefits of simulation, there is less understanding of the underlying educational theory. Several decades worth of cognitive and educational research has brought increased understanding and insight about how people learn, and this insight can and should underpin our work as medical educators.

Course Director: Gabriel Reedy, PhD, MEd

Faculty: Gabriel Reedy, PhD, MEd

Engineering Innovation for Simulation

Room: 30E
6EP.1668
Expert Panel

Course Overview: There are many ideas and emerging requirements for new simulators that could expand the areas in which simulation can support healthcare training and education. This panel session will review current and future engineering technology and processes used to design simulators and supporting equipment needed to expand healthcare simulation capability and to improve their usability, reliability and maintainability and affordability. This panel will also address some of the current limitations that affect the design concepts are needed to deliver the next generation of healthcare simulators.

Course Director: John Rice
Faculty: Pending

Mobile Simulation: The Bus-build, Program-launch, and Four-year Experience

Room: 29C
6PP.1097
Podium Presentation

Course Overview: Mobile simulation is an innovative vehicle for delivering pediatric knowledge and expertise to critical access hospital rural communities. A primer on building this technology in a 40-foot RV, basic curriculum development, and the benefits and challenges of mobile simulation will be explored. Attendees will hear testimonials and commentary via video from simulation participants and health care executives who have committed resources for their staff to train in this manner. Outcomes will also be highlighted.

Course Director: Karen Mathias, MSN, RN, APRN-CNS

Faculty: Karen Mathias, MSN, RN, APRN-CNS

Oral Presentations: Training, Education and Assessment

Room: 23C
6RT.1666
Research and Program Innovations

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #1352 – 4th Place

Implementation of a Four-year Vascular Access Curriculum for Medical Students

Authors: Claudia Ranniger, MD, PhD; Benjamin Jim Blatt, MD; Yiju Teresa Liu, MD; Karen Lewis, PhD; Matthew Mintz, MD; Colleen Roche, MD; Hamid Shokoohi, MD, MPH, FACEP; Carla Piereck de Sa, BS; Doug Sharp, MD

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #75 - 5th Place

The Virtual Patient from Admission to Discharge: A Novel Approach of Simulation Across the Continuum of Care

Authors: Gina Ruffner, EMT-P; Daryl Cottrell, MD, FACE; Brian Zeno, MD
Presenter: Brian Zeno, MD

TECHNOLOGY AND PROGRAM INNOVATION ABSTRACT #765

Using a Risk Analysis Tool to Generate Standardized Simulation Curricula and Objective Measurement Tools

Authors: Mark Meyer, MD, FAAEM; Ernest Wang, MD; John Vozenilek, MD, FACEP
Presenter: Mark Meyer, MD, FAAEM

Perinatal Critical Events Team Training: Six Years and Counting

Room: 28E
6PP.1406Adv
Podium Presentation

Course Overview: In 2003 the Joint Commission recommended that hospitals conduct team training and practice drills in perinatal emergencies. The concepts of improved communication and emergency drills were introduced to the Kaiser Oakland Medical Center in 2005 as Critical Events Team Training (CETT) where interdisciplinary teams are trained in the actual perinatal environment to respond to perinatal emergencies. This session will review the successes and challenges in conducting CETT using an interdisciplinary and multi-departmental approach.

Course Director: Kathy Lewis, MSN-ED, RN-BC

Faculty: Kathy Lewis, MSN-ED, RN-BC

Simulation Technology: Putting the Pieces Together Through Innovation

Room: 30D
6EP.31652
Expert Panel

Conference Overview: Human patient simulation has had to piece together a variety of technologies and integrate them to function together in order to achieve specific training outcomes. With these “knitted” systems come new challenges, and opportunities. This session will discuss technologies that are common to most human patient simulation environments, and explore how other technologies can be woven into existing systems to achieve even greater possibilities.

Course Director: H Michael Young

Faculty: H Michael Young

Translation and Beyond: International Curriculum Sharing

Room: 28C
6EP.399Int
Expert Panel

Course Overview: Curriculum sharing is desirable for a wide variety of applications and purposes. Challenges for international curriculum sharing comprise an expanded array of factors, compared to domestic curriculum sharing. The panel will share their experiences and challenges via the sharing of three courses. Unique factors to be considered include cultural, clinical and educational practice patterns, language, infrastructure, change management, and others. Participants will be engaged through interactive problem solving exercises.

Course Director: Benjamin Berg, MD

Faculty: Hiroshi Okudera, PhD, MD; Benjamin Berg, MD; Paul Phrampus, MD, FACEP

Using Simulation in a Medical Emergency Team/Code Blue Review Curriculum

Room: 28A
6PP.24Beg
Podium Presentation

Course Overview: This session will highlight the development of a three-track curriculum for a medical emergency team and code blue review course. This program was designed to increase the confidence of the staff nurse during a MET or Code Blue situation.

Course Director: Rita Wick, BSN, RN

Faculty: Rita Wick, BSN, RN

Using Simulation to Improve Sepsis Patient Outcomes: Saving Lives and Reducing Costs

Room: 29B
6PP.197Adv
Podium Presentation

Course Overview: Sepsis is the leading cause of death for critically ill hospital patients in the US. Care of septic patients is complex, time sensitive, and requires excellent communication and collaboration between healthcare disciplines and departments. This presentation will describe how facilities within the California-based Catholic Healthcare West (CHW) system used an innovative, simulation-based education program to meet clinical and financial objectives associated with reducing mortality and cost associated with sepsis.

Course Director: Patty Garrity-Jasper, RN, BSN, CNRN

Faculty: Patty Garrity-Jasper, RN, BSN, CNRN; Laurie Jenson, CCRN, RN, MBA

Wednesday, February 1, 2012

10:00 AM – 11:30 AM

0.75 Contact Hours

The Paradoxical Nature of Expertise: The Good, the Bad and the Ugly

Room: 20D

6PS.1627

Plenary Session

Course Overview: Health care is a highly specialized domain that depends on human expertise. Simulation and education play a major role in developing and assessing expertise. However, expertise is not only about special abilities and enhanced performance. Along with expertise, performance may also be degraded, culminating in a lack of flexibility and error. Expertise is demystified by explaining the brain functions and cognitive architecture involved in being an expert. These information processing mechanisms, the very making of expertise, entail computational trade-offs that sometimes result in paradoxical functional degradation. For example, being an expert entails using schemas, selective attention, chunking information, automaticity and more reliance on top-down information, all of which allow experts to perform quickly and efficiently; however, these very mechanisms restrict flexibility and control, may cause the experts to miss and ignore important information, introduce tunnel vision and bias and can cause other effects that degrade performance. Understanding these weaknesses and vulnerabilities can guide the development of methodologies to use simulations to minimize error and enhance patient care.

Plenary Presenter: *Itiel Dror, PhD*

APPENDIX 3

IMSH 2012 Video Education Sessions

Monday January 30th 2012 9:30 am – 10:15 pm Simulation Technology Innovations

Lisa Grisham, Jess Thompson M.D. -- ARIZONA STATE UNIVERSITY **Session Title: Extra Corporeal Membrane Oxygenation (ECMO) Simulation in the PICU**

Calvin Lyons, MD, Brian Dunkin MD -- THE METHODIST INSTITUTE FOR TECHNOLOGY INNOVATION AND EDUCATION / THE METHODIST HOSPITAL HOUSTON TEXAS; **Session Title: Use of a Human Patient Simulator with Mock Abdominal Cavity to Simulate Laparoscopic Crisis**

Margaret Kohn, BSN, MSN, Sharon Valente, PhD, RN, FAAN -- NURSING / WEST LOS ANGELES VETERANS AFFAIRS, LOS ANGELES, CA, USA **Session Title: Development of Low-cost Realistic Simulation Mannequin and Audit Tool for use in a Low-Resource Cardiac Surgery ICU Mock Code**

Monday January 30th 2012 10:30 am – 11:15 am Utilization of Standardized Patients

Susan Coffey Zern, ACADEMIC AFFAIRS, CHRISTIANA CARE HEALTH SYSTEM, NEWARK, Delaware; **Session Title: Adaptive Standardized Clinical Encounter**

Nicole Manley, Diane Ferguson, RN, BSN UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER, SAN ANTONIO, SAN ANTONIO, TX; **Session Title: Difficult Patient Conversations: One Clerkships Approach Using Standardized Patients**

Germain Cormier, Susan Eldred, RN, BScN, MBA, PhD, Monique Royer-Maisonnette, BScN UNIVERSITY OF OTTAWA,, ONTARIO CANADA, and SCHOOL OF NURSING ; **Session Title: Role Play Relay** IMSH 2012 Meeting – Video Education Sessions

Monday January 30th 2012 1:00 pm – 1:45 pm Training Education and Assessment – Use of Standardized Patients

Rob Hargraves UNIVERSITY CLINICAL SKILLS AND SIMULATION, THOMAS JEFFERSON UNIVERSITY, PHILADELPHIA, P.A.; **Session Title: State of the Art: A Unique Production and Implementation Paradigm to Make High-Quality Teaching Videos for Faculty development and Professionalism Training**

Janet Ahlstrom, Shawnee Mission Medical Center Director – Professional Advancement/Clinical Nurse Specialist SHAWNEE MISSION MEDICAL CENTER.; **Session Title: Take one, take two, Ready for production! The application of video simulation as a key educational strategy for a hospital based nursing report/handoff program**

Lin, Che-Wei TAIPEI MEDICAL UNIVERSITY **Session Title: Integrated Simulation iOSCE (Integrated-Objective Structured Clinical Examination) in Taipei Medical University**

Monday January 30th 2012 2:00 pm – 2:45 PM Training Education and Assessment with Custom Media and Video Resources

Patrick Leiby BS, Margaret Decker, MS, RN DECKER SCHOOL OF NURSING, BINGHAMTON UNIVERSITY, BINGHAMTON, NY, USA; **Session Title: Use of innovative video technology to achieve successful learning outcomes in simulation**

Ryan Eling CLINICAL SIMULATION PROGRAM, UNIVERSITY OF NEW ENGLAND, PORTLAND, ME.; **Session Title: Communication in health care teams; Demonstrative simulation video of a deteriorating patient for nursing programs**

Rohit Garkoti, MBBS, MD, FRCA, FCARCSI Makani Purva, HULL AND EAST YORKSHIRE HOSPITALS NHS TRUST **Session Title: Distance education through video recordings of a simulated scenario in obstetrics.** IMSH 2012 Meeting – Video Education Sessions

Monday January 30th 2012 3:00 pm – 3:45 Training and Education – Innovative Surgical Training

Ravid Segal, MA, MSR, ISRAEL CENTER FOR MEDICAL SIMULATION, TEL HOSHIMER, ISRAEL **Session Title: OR-Team Work Training Ultimate Low-Tech, High-Tech Hybrid simulation Smart Point of debriefing**

Greg Wynn, BSc, MD, FRCS1 ICENI CENTRE, COLCHESTER, ESSEX **Session Title: Shortening the learning curve for laparoscopic colectomy by virtual reality simulation**

Mark Jones, Max Dannecker RHODE ISLAND HOSPITAL MEDICAL SIMULATION CENTER **Session Title: Moulage for A Post-Op Cardiac Patient with Chest Tubes and a Central Venous Line**

Monday January 30th 2012 4:00 pm – 5:15 pm Training Education and Assessment

Shelby Marx, Donald Woodyard, BS UNIVERSITY OF NORTH CAROLINA **Session Title: Pre-Med Undergraduate Interns in Medical Simulation: Benefits for the Student and the Institution**

Jeffrey Orledge, MD MS, Christy Wilson, BS RN UNIVERSITY OF MISSISSIPPI , JACKSON, MS, **Session Title: Using Simulation to promote Stewardship awareness in Health care**

Kathleen Decker M.D. , HAMPTON, VIRGINIA VA MEDICAL CENTER **Session Title: Combined Treatment of Combat PTSD and Substance Use Disorder: Complex Solutions for Complex Problems**

Amanda DeAngelis-Chichester, ScMP, PhD BIOMEDICAL AND PHARMACEUTICAL SCIENCES; PHARMACY PRACTICE, UNIVERSITY OF RHODE ISLAND, KINGSTON, RI, USA. **Session Title: Interprofessional Education at the University of Rhode Island** IMSH 2012 Meeting – Video Education Sessions

Tuesday January 31st 2012 9:30 am – 10:15am Training Education and Assessment

Edward Kosik, DO. Alberto de Armendi, MD, AM, MBA ANESTHESIOLOGY, UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER, OKLAHOMA CITY, OK, **Session Title: simulation secrets that can be applied across disciplines to enhance your simulation programs**

Maureen Tremel, MSN, ARNP, CNE. Sharon Saidl, MSN, RN

Seminole Community College; **Session Title: Linking Student Reflections of a Complex Team Simulation to Critical Nurse Competencies** Ronnie Stout UNIVERSITY OF TEXAS AT EL PASO, **Session Title: The Simulated Hospital Day; inter-professional collaborations with multiple disciplines**

Tuesday January 31st 2012 10:30 am – 11:15 am Training Education and Assessment - Innovative Developments in Simulation Training

Linda Pecora, Robert DiRaddo, Sebastien Delorme, National Research Council Canada **Session Title: Documentary - The Haptics Simulator: NeuroTouch Featuring NRC's Neurosurgical Simulator**

David Musson, MCMASTER UNIVERSITY, HAMILTON, ON, CANADA, **Session Title: High fidelity simulation in remote and extreme environments**

Christopher Sampson, MD. Jason Wagner, MD, FACEP EMERGENCY MEDICINE, WASHINGTON UNIVERSITY IN SAINT LOUIS, SAINT LOUIS, MO **Session Title: Perimortem Cesarean-section Model** IMSH 2012 Meeting – Video Education Sessions

Tuesday January 31st 2012

1:00 pm – 1:45 pm Interdisciplinary Training, Education and Assessment

Emily Grover, MD UNIVERSITY OF AZ, COLLEGE OF MEDICINE, Santiago Valdes, MD. EMERGENCY MEDICINE AND PEDIATRICS / UNIVERSITY OF ARIZONA **Session Title: Weekly Interprofessional Pediatric Simulation In Situ Training**

Lillian Su, PEDIATRIC CRITICAL CARE, SILVER SPRING, MD, Melissa Jones, RN, MSN, CPNP-AC CHILDREN'S NATIONAL MEDICAL CENTER WASHINGTON D.C. **Session Title: Creating a Multidisciplinary Simulation for a Non-routine High Stakes Low Frequency Event: Lessons Learned**

Session Title: Lessons Learned

Sara Didier, Pediatrics – Hull and East Yorkshire Hospitals: England. **Session Title: Simulation Supported Learning from Serious Untoward Incidents**

Tuesday January 31st 2012 2:00 pm – 2:45 pm Interdisciplinary Training, Education and Assessment

Tam Spat, PhD. Tracy Chesney, MSN, RN NURSING, CARRINGTON COLLEGE, PHOENIX, AZ, USA, 85017 **Session Title: Out of the Silos and into the New Frontier: A journey in the development of an Interprofessional simulation scenario experience**
Gayla Miles – UNIVERSITY OF TEXAS ARLINGTON COLLEGE OF NURSING; **SESSION TITLE: Use of Video for Simulation Training - How to Set-Up a Ventilator**

Alice Blazick DNS SCHOOL OF NURSING UNIVERSITY OF PITTSBURGH **Session Title: Using Students to create teaching videos for procedure based simulation learning** IMSH 2012 Meeting – Video Education Sessions

Tuesday January 31st 2012 3:00 pm – 3:45 pm Interdisciplinary Training, Education and Assessment

Paul Burley, Georgina Ottaviano; KAISER PERMANENTE SUNNYSIDE MEDICAL CENTER. **Session Title: Heart Attack Response Training Goes High-Tech** Tony Errichetti, PhD Patricia Myers, BS; NEW YORK COLLEGE OF OSTEOPATHIC MEDICINE **Session Title: A Near Drowning Interprofessional Simulation Exercise**

Maroothynaden J, Tang J, Kneebone R, Bello F IMPERIAL COLLEGE LONDON, DEPARTMENT OF SURGERY AND CANCER, ST MARY'S HOSPITAL, UNITED KINGDOM **Session Title: Team Training in a Highly Realistic Portable Environment**

Tuesday January 31st 2012 4:00 pm – 5:15 pm Faculty Development Training, Education and Assessment

Margaret Kohn, BSN, MSN, Sharon Valente, PhD, RN, FAAN -- NURSING / WEST LOS ANGELES VETERANS AFFAIRS, LOS ANGELES, CA, USA **Session Title: Debriefing Strategy and Techniques for Improving Participant Learning, the Simulation Process and Procedure Improvement**

Todd Dadaleares, MAINE MEDICAL CENTER **Session Title: From Practice to Perfection** Lawrence O'Leary, Donamarie Wilfong DNP RN, Donald Wilfong, M.D., STAR CENTER / WEST PENN ALLEGHENY HEALTH SYSTEM PITTSBURGH, PA, USA; **Session Title: Hand Off Communication-Don't Drop the Ball**

Stephen Hurst, Jesse Jamieson, SITEL OF MEDSTAR, WASHINGTON DC **Session Title: Thoracotomy – MacGyver Style** IMSH
2012 Meeting – Video Education Sessions

Wednesday February 1st 2012 8:00 am – 8:45 am Training, Education and Assessment – Interdisciplinary and Team Training

Maria Stadtler ONELEGACY DONATE LIFE ORGANIZATION - LOS ANGELES CALIFORNIA **Session Title: When every organ counts: There is only one chance to get it right**

Dev Parvati, SCHOOL OF MEDICINE, STANFORD UNIVERSITY, LOS ALTOS, CA **Session Title: Using VirtualEnvironments to Practice Team Communication**

APPENDIX 4

IMSH 2012 Research Abstract Award Winners

1st Place

Abstract 422

Ventriculostomy Practice on a Library of Virtual Brains Using a VR/Haptic Simulator Improves Simulator and Surgical Outcomes

Rachel Yudkowsky, MD, MHPE,³ Cristian Luciano, PhD,² Pat Banerjee, PhD,² Ali Alaraj, MD,⁵ Michael Lemole, MD, FACS,¹ Alan Schwartz, PhD,³ Fady Charbel, MD,⁵ Kelly Smith, PhD,⁴ and Silvio Rizzi, MS²
¹Surgery, University of Arizona College of Medicine, Tucson, AZ, USA; ²Mechanical and Industrial Engineering, University of Illinois at Chicago College of Engineering, Chicago, IL, USA; ³Medical Education, University of Illinois at Chicago College of Medicine, Chicago, IL, USA; ⁴Medicine and Medical Education, University of Illinois at Chicago College of Medicine, Chicago, IL, USA; ⁵Neurosurgery, University of Illinois at Chicago College of Medicine, Chicago, IL, USA

2nd Place

Abstract 1296

Generalizability of Combat Trauma Procedure Performance Assessments for Training Modality Research

Matthew Lineberry, MA, ABD, Katrina Ricci, PhD, James Pharmed, PhD, and Laura Milham, PhD
Training and Human Systems R&D Branch, Naval Air Warfare Center, Orlando, FL, USA

3rd Place Abstract

Can Simulated Learning Environments Combined With Clinical Immersion Achieve Equivalent or Higher Achievement of Competency Compared to Traditional Clinical Immersion in Cardiorespiratory Physiotherapy? A Randomized Controlled Trial

Felicity Blackstock, BPhysio (Hons),⁴ Anne Jones, PhD, Mphysio, BScPhysio,³ Kate Watson, MPhy, BHMS,⁸ Norman Morris,² Joan McMeeken, Dip Physio, MSc,⁷ Anthony Wright, BSc(Hons), PhD,¹ Darren Rivett, BAppSc(Phty), PhD,⁶ Terrence Haines, PhD,⁵ and Gwendolen Jull, MPhy, PhD, FACP⁸ 1Physiotherapy, Curtin University of Technology, Perth, WA, AUS; 2Physiotherapy and Exercise Science, Griffith University, Gold Coast, QLD, AUS; 3Physiotherapy, James Cook University, Townsville, QLD, AUS; 4Physiotherapy, School of Allied Health, LaTrobe University, LaTrobe University, Victoria, AUS; 5Physiotherapy and Allied Health Research Unit, Monash University and Southern Health, Cheltenham, VIC, AUS; 6School of Health Sciences, The University of Newcastle, Newcastle, NSW, AUS; Physiotherapy, University of Melbourne, Melbourne, VIC, AUS and 8Physiotherapy, University of Queensland, Brisbane, QLD, Aus

4th Place

Abstract 798

Initial Laparoscopic Performance: Impoverished Visual-Spatial Cues Compromise Movements in the Depth Plane

Rebecca Kennedy, MS, and Mark Scerbo, PhD
Psychology, Old Dominion University, Norfolk, VA, USA

APPENDIX 5

IMSH 2012 Peer-Reviewed Research Abstracts

Clinical Outcomes & Quality Improvement: Clinical Outcome Measures; Patient Safety; Operations Research; Program Evaluation

Al-Rasheed, Rakan

Research Abstract #84

Title: Baseline Characterization and Focused Performance Assessment of an Emergency Department Patient Monitor Telemetry System

Sub Content: Patient Safety

Session 2:3

Assigned Professor: Tara Lang

Row Assignment: 1a

Poster #7

Al-Rasheed, Rakan

Research Abstract #87

Title: Interim Findings from the ARGUS Study: Use of In Situ Simulation and Human Factors Engineering Techniques to Assess and Improve Emergency Department Clinical Systems for Timely Telemetry-based Detection of Life-threatening Arrhythmias

Sub Content: Patient Safety

Session 2:4

Assigned Professor: Tara Lang

Row Assignment: 1b

Poster #8

Dadiz, Rita

Research Abstract #249

Title: Handoff Communication Improves with Simulation-based Interdisciplinary Training

Sub Content: Program Evaluation

Session 1:2

Assigned Professor: Stephen Small,

Row Assignment: 2b

Poster #18

Eason, Martin

Research Abstract #262

Title: Using Moulage to Simulate Pressure Ulcers: Validation by Wound Care Experts

Sub Content: Safety

Presenter Onsite Contact Number: 423-202-0379

Session 1:3

Professor: Lenox Huang

Row Assignment: 1a

Poster #11

Echols, Sonya

Research Abstract #1331

Title: Review of Team Performance During Neonatal Distress Drills

Sub Content: Patient Safety

Session 2:3

Assigned Professor: Lee Benjamin

Row Assignment: 2a

Poster #15

Fidler, Richard

Research Abstract #960

Title: In-situ Simulation to Determine Feasibility of 2-Minute Defibrillation Time

Sub Content: Clinical Outcome Measures

Session 2:2

Assigned Professor: Tara Lang

Row Assignment: 1b

Poster #6

Kessler, David

Research Abstract #617

Title: Impact of a Simulator-based Just-in-Time Refresher Training for Interns On Their Clinical Success Rate With Infant Lumbar Puncture

Sub Content: Clinical Outcome Measures

Session 1:2

Professor: Vinay Nadkarni

Row Assignment: 1b

Poster #2

Lenchus, Joshua

Research Abstract #531

Title: Ventriculostomy Practice on a Library of Virtual Brains Using a VR/Haptic Simulator Improves Simulator and Surgical Outcomes

Sub Content: Clinical Outcome Measures

Session 1:4

Assigned Professor: Vinay Nadkarni

Row Assignment: 1 b

Poster #4

Mehrem, Ayman Abou

Research Abstract #752

Title: Laryngeal Mask Airway is Equivalent to Endotracheal Intubation During Positive Pressure Ventilation and Chest Compressions in Neonatal Resuscitation High-fidelity Simulation Model

Sub Content: Clinical Outcome Measures

Session 2:1

Professor: Tara Lang

Row Assignment: 1a

Poster #5

Meyer, Mark

Research Abstract #312

Title: Using Simulation as a Tool to Decrease Medication Errors in Pediatric Emergency Department Patients

Sub Content: Patient Safety

Session 1:4

Assigned Professor: Lenox Huang

Row Assignment: 1b

Poster #12

Paull, Douglas E.

Research Abstract #810

Title: Self-efficacy and Observed Results Associated with an Ensuring Correct Surgery and Invasive Procedures Simulation-based Curriculum
Sub Content: Patient Safety
Session 2:1
Assigned Professor: Lee Benjamin
Row Assignment: 2a
Poster #13

Ricci, Michael

Research Abstract #211
Title: Crew Resource Management Improves Operating Room Safety
Sub Content: Patient Safety
Session 1:1
Assigned Professor: Lenox Huang
Row Assignment: 1a
Poster #9

Ricci, Mike

Research Abstract #1400
Title: Combined Simulation Training and Electronic Documentation is Associated With a Reduction in Catheter-related Bloodstream Infections
Sub Content: Patient Safety
Session 2:4
Assigned Professor: Lee Benjamin
Row Assignment: 2b
Poster #16

Szaflarski, Nancy

Research Abstract #832
Title: An In-situ Simulation Training Program to Improve Inpatient Adult Clinical Outcomes through Early Detection and Treatment of Hospital-acquired Complications
Sub Content: Patient Safety
Session 2:2
Assigned Professor: Lee Benjamin
Row Assignment: 2b
Poster #14

Walsh, Barbara

Research Abstract #366
Title: Comparison of Success Rates Using Video Laryngoscopy vs. Direct Laryngoscopy by Residents During a Simulated Pediatric Emergency
Sub Content: Clinical Outcome Measures
Presenter Onsite Contact Number: 781-354-4882
Session 1:1
Assigned Professor: Vinay Nadkarni
Row Assignment: 1a
Poster #1

Whitt, John

Research Abstract #261
Title: Evaluating Time to Defibrillation and Team Crisis Resource Management During Crisis Events in a PICU Simulation-training Course
Sub Content: Patient Safety
Session 1:2 Assigned Professor: Lenox Huang
Row Assignment: 1b

Poster #10

Yudkowsky, Rachel

Research Abstract #422

Title: Ventriculostomy Practice on a Library of Virtual Brains Using a VR/Haptic Simulator Improves Simulator and Surgical Outcomes

Sub Content: Clinical Outcome Measures

Session 1:3

Assigned Professor: Vinay Nadkarni

Row Assignment: 1a

Poster #3

Zinkan, Jerri

Research Abstract #214

Title: Ventilator Caregiver Education Through the Use of High-fidelity Pediatric Simulators

Sub Content: Program Evaluation

Session 1:1

Assigned Professor: Stephen Small

Row Assignment: 2a

Poster #17

Human Factors: Attention, Stress and Fatigue; Cognitive Processes (reasoning, decision making); Sensory Processes (vision, audition, haptics); Situation Awareness; Workload

Anderson-Montoya, Brittany

Research Abstract #719

Title: Critical Signal Detection During Multiple Patient Monitoring of Fetal Heart Rate Tracings

Sub Content: Cognitive Processes (reasoning, decision making)

Presenter Onsite Contact Number: 757-636-1815

Session 1:1

Assigned Professor: Akira Nishisaki

Row Assignment: 3a

Poster #25

Auerbach, Marc (Attendance Not Confirmed)

Research Abstract #0703

Title: Multidisciplinary In-situ Simulation Improves the Quality of Pediatric Trauma Care

Sub Content: Attention, Stress and Fatigue

Session 2:2

Assigned Professor: Joshua Hui

Row Assignment: 3b

Poster #22

Birnbach, David

Assigned Research #413

Title: Using Simulation to Investigate the Impact of Scents on Hand Hygiene Compliance

Sub Content: Sensory Processes (vision, audition, haptics)

Session 1:3

Assigned Professor: Akira Nishisaki

Row Assignment: 3a

Poster #27

Canzone, Elizabeth

Research Abstract #637

Title: Measuring the Effects of Improvisations, Portrayal, and Assessment on the Standardized Patient's Mental Workload

Sub Content: Attention, Stress and Fatigue"

Session 2:1

Assigned Professor: Linda Cimino

Row Assignment: 3a

Poser #21

Clark, Carlee

Research Abstract #715

Title: Effect of A Designated Reader and Cognitive Aid on Resident Performance During Simulation of Perioperative Emergencies

Sub Content: Cognitive Processes (reasoning, decision making)

Session 2:4

Assigned Professor: Linda Cimino

Row Assignment: 3b

Poster #24

DeMaria, Samuel

Research Abstract #21

Title: Recognition of Critical Events During Simulated Emergency Intubations is Improved by a Team Approach

Sub Content: Human Factors, Situation Awareness

Session 2:2

Assigned Professor: Thomas Harrison

Row Assignment: 4b

Poser #30

Huang, Yue Ming

Research Abstract #213

Title: Does the Use of a Post-simulation Reflective Tool Influence Residents' Identification of Non-technical and Cognitive Skills for Practice Improvement? Sub Content: Cognitive Processes (reasoning, decision making)

Session 2:3

Assigned Professor: Linda Cimino

Row Assignment: 3a

Poster #23

Jessica Sparks

Assigned Research #615

Title: Relevance of Biological Properties to the Performance of Procedural Tasks on Simulated Tissues

Sub Content: Sensory Processes (vision, audition, haptics)

Presenter Onsite Contact Number: 614-406-8683

Session 1:4

Assigned Professor: Akira Nishisaki

Row Assignment: 3b

Poster #28

Kennedy, Rebecca

Assigned Research Abstract #798

Title: Initial Laparoscopic Performance: Impoverished Visual-spatial Cues Compromise Movements in the Depth Plane

Sub Content: Sensory Processes (vision, audition, haptics)

Assigned Session 2:1

Assigned Professor: Thomas Harrison,

Poster #29

Kron, Frederick – (Attendance Not Confirmed)

Research Abstract #775

Title: Interactive Virtual Human Patient Software Utility for Competency Assessment in Breaking Bad News to a Cancer Patient

Sub Content: Situation Awareness

Session 2:3

Assigned Professor: Thomas Harrison

Row Assignment: 4a

Poster #31

Neto Scalabrini, Augusto

Research Abstract #541

Title: Stress Level During Emergency Care: Comparison Between Reality and Simulated Scenarios

Sub Content: Attention, Stress and Fatigue

Session 1:3

Assigned Professor: Stephen Small

Row Assignment: 3a

Poster #19

Neto Scalabrini, Augusto

Research Abstract #542

Title: Stress Level During Simulation-based Emergency Training is Equivalent Between Different Roles

Sub Content: Attention, Stress and Fatigue

Presenter Onsite Contact Number: 55 11 83531112 / scalabrini@usp.br

Session 1:4

Assigned Professor: Stephen Small

Row Assignment: 3b

Poster #20

Sampson, Christopher

Research Abstract #1030

Title: Using Simulation to Assess Interrater Reliability Among Observers of Subclavian Central Venous Cannulation in Various Models

Sub Content: Cognitive Processes (reasoning, decision making)

Session 1:2

Assigned Professor: Akira Nishisaki

Row Assignment: 3b

Poster #26

Physical Setting: Field Studies and in-Situ Studies; Simulation in Low Resource Environments; Technical Operations

Doughty, Cara (Attendance Not Confirmed) Research Abstract #1364

Title: Simulation to Teach Tube Thoracostomy to Pediatric Physicians and Nurses Sub Content: Field and in-Situ Studies

Session 1:3

Assigned Professor: Linda Cimino

Row Assignment: 4b

Poster #35

Ellaway, Rachel

Research Abstract #1251

Title: Analyzing Patterns of Participant Behavior in Integrated and Distributed Simulation

Sub content: Field Studies and in-Situ Studies

Session 1:2

Assigned Professor: Linda Cimino
Row Assignment: 4a
Poser #34

Heejeong, Kim

Research Abstract #607

Title: A Study on the Relationship Among the Objective Structured Clinical Examination (OSCE), Health Promoting Behaviors (HPB), Korean-profile of Mood State-Brief (K-POMS-B), and Depression Cognitive Scale (DCS) of Sophomore Nursing Students

Sub Content: Field Studies and in-Situ Studies

Session 1:1

Assigned Professor: Linda Cimino

Row Assignment: 4b

Poster #33

Kathleen Ventre

Research Abstract #415

Title: Using In-situ Simulation to Evaluate Operational Readiness of a Children's Hospital-based Obstetrical Unit

Sub Content: Field Studies and in-Situ Studies

Session 2:4

Assigned Professor: Thomas Harrison

Row Assignment: 4a

Poster #32

Social and Team Issues: Interprofessional Education; Communications; Professional Behavior; Standardized Patient Activities

Blondon, Katherine

Research Abstract #1078

Title: Use of Blindfolds in Team Training: A Descriptive Study

Sub Content: Interprofessional Education

Session 1:2

Assigned Professor: Steven Howard

Row Assignment: 5a

Poster #42

Blondon, Katherine

Research Abstract #1316

Title: Interprofessional Collaboration on an Internal Medicine A Mixed-method Study of Role Perceptions among Nurses and Doctors

Sub Content: Professional Behavior

Session 2:1

Assigned Professor: Steven Yule

Row Assignment: 5b

Poster #45

Cooper, Dylan

Research Abstract #444

Title: Can Interprofessional Simulation Improve Physician-Nurse Communication and Error Reporting Confidence?

Sub Content: Interprofessional Education

Session 2:4

Assigned Professor: Sam DeMaria

Row Assignment: 5a

Poster #40

Ford, Cassandra

Research Abstract #1322

Title: Changes in the Cognitive and Affective Domain of Learners Participating in a Simulated Trial Experience

Sub Content: Professional Behavior

Session 2:2

Assigned Professor: Steven Yule

Row Assignment: 5a

Poster #46

Friedman, Zeev

Research Abstract #624

Title: The Effects of Operating Room Team Dynamics on Trainee's Ability to Challenge Authority: Measuring Health Advocacy With Patient Simulation

Sub Content: Professional Behavior

Presenter Onsite Contact Information: zeevfriedman@rogers.com

Session 1:4

Assigned Professor: Steven Howard

Row Assignment: 5a

Poster #44

Kappus, Liana

Research Abstract #1080

Title: Widespread Implementation of Simulation-enhanced Interdisciplinary Team Training

Sub Content: Interprofessional Education

Session 1:3

Assigned Professor: Steven Howard

Row Assignment: 5b

Poster #43

Marshall, Stuart

Research Abstract #1247

Title: Using Simulation to Identify Intra-professional Communication Needs of International Medical Graduates (IMGs)

Sub Content: Communications

Session 2:2

Assigned Professor: Sam DeMaria

Row Assignment: 5a

Poster #38

Murray, Bosseau

Research Abstract #737

Title: A Conceptual Framework for Interprofessional Education: A Worked Example of Crisis Resource Management Research

Sub Content: Interprofessional Education

Session 1:1

Assigned Professor: Steven Howard

Row Assignment: 5b

Poster #41

Porter, Nicholas

Research Abstract #801

Title: The Effect of Trauma Team Training on Pediatric Trauma Patient Outcome Sub Content: Communications

Session 2:1

Assigned Professor: Sam DeMaria

Row Assignment: 5b

Poster #37

Taylor Sawyer

Research Abstract #529

Title: Improvement in Neonatal Resuscitation Teamwork Skills After TeamSTEPPS Training

Sub Content: Communications

Session 1:4

Assigned Professor: Linda Cimino

Row Assignment: 5a

Poster #36

Van Schaik, Sandrijn

Research Abstract #267

Title: Residents' Perceptions of Simulation-based Interprofessional Team Training: A Qualitative Analysis

Sub Content: Interprofessional Education

Session 2:3

Assigned Professor: Sam DeMaria

Row Assignment: 5b

Poster #39

Training, Education & Assessment: Curriculum Assessment; Knowledge, Skills and Abilities; Instructor Training & Education; Debriefing Strategies & Techniques; Game-based Learning

Ajimi, Yasuhiko

Research Abstract #1131

Title: A New Method for Quantitative Evaluation of Medical Knowledge Structures in Emergency Room by a Clinical Map

Sub Content: Debriefing Strategies & Techniques

Session 1:1

Assigned Professor: Sally Fortner

Row Assignment: 7a

Poster #57

Al-Rasheed, Rakan

Research Abstract #232

Title: Interim Analysis Findings From High-fidelity In Situ Medical Simulation Investigation of Emergency Department Procedural Sedation

Sub Content: Knowledge, Skills and Abilities

Session 1:4

Assigned Professor: Marjorie Miller

Row Assignment: 8b

Poster #68

Anthony, Ryan

Research Abstract #451

Title: Effects of Transesophageal Echocardiography (TEE) Simulator Training on Learning and Performance in Cardiovascular Medicine Fellows

Sub Content: Medical Education (undergraduate, graduate)

Session 1:2

Assigned Professor: Robin Keene

Row Assignment: 11b

Poster #97

Auerbach, Marc

Research Abstract #705

Title: "Does ""Just-in-time"" Simulation-based Competency Assessment Predict Clinical Infant Lumbar Puncture Procedural Success
Sub Content: Knowledge, Skills and Abilities
Session 2:3
Assigned Professor: Joshua Hui
Row Assignment: 9a
Poster #78

Barbour, Connie

Research Abstract #797
Title: Build a Bear' Scenario Development
Sub Content: Curriculum assessment
Session 2:1
Assigned Professor: Marjorie Miller
Row Assignment: 7a
Poster #53

Biffar, David; Hamilton, Allan J. & Grisham, Lisa

Research Abstract #754
Title: For the Inexperienced, Video Laryngoscopy is Superior to Direct Laryngoscopy for Airway Management Training
Sub Content: Medical Education (undergraduate, graduate)
Session 1:2
Assigned Professor Peregrina Arciaga
Row Assignment: 11b
Poster #105

Blackstock, Felicity

Research Abstract #758
Title: Emergency Physician Evaluation of a Novel Surgical Cricothyroidotomy Tool in Simulated Combat and Clinical Environments
Sub Content: Knowledge, Skills and Abilities
Session 2:4
Assigned Professor: Joshua Hui
Row 9b
Poster #79

Blackstock, Felicity

Research Abstract #543
Title: Can Simulated Learning Environments Combined With Clinical Immersion Achieve Equivalent or Higher Achievement of Competency Compared to Traditional Clinical Immersion in Cardiorespiratory Physiotherapy? A Randomized Controlled Trial
Sub Content: Medical Education (undergraduate, graduate)
Session 1:4
Assigned Professor: Robin Keene
Row 11b
Poster #99

Blum, Richard

Research Abstract #395
Title: Reliability, Fidelity and Usefulness of a Simulation-based Assessment of Anesthesia Resident Performance
Sub Content: Knowledge, Skills and Abilities
Session 1:1
Assigned Professor: Diana Tabak
Row Assignment: 9a
Poster #72

Bouthillier, Isabelle

Research Abstract #55

Title: Impacts of Incorporating Simulated Heart and Lung Sounds in Contextualized Testing: An Innovative Solution for Progress-testing Evaluation of Large Group

Sub Content: Medical Education (undergraduate, graduate)

Session 1:3

Assigned Professor: Bonnie Haupt

Row Assignment: 10a

Poster #90

Brydges, Ryan

Research Abstract #761

Title: Interactive Virtual Human Patient Software Utility for Competency Assessment in Breaking Bad News to a Cancer Patient

Sub Content: Medical Education (undergraduate, graduate)

Session 1:3

Assigned Professor: Peregrina Arciaga

Row Assignment: 12a

Poster #106

Calhoun, Aaron W.

Research Abstract #108

Title: The Use of Gap Analysis to Quantify Participant Self-appraisal in Simulated Medical Crises

Sub Content: Medical Education (undergraduate, graduate)Session 2:1

Assigned Professor: Jodee Anderson

Row Assigned: 10a

Poster #92

Carvalho, Paula

Research Abstract #109

Title: Early Introduction to Central Line Training: A Simulation Curriculum

Sub Content: Knowledge, Skills and Abilities

Session 2:4

Assigned Professor: Diana Tabak

Row Assignment: 8b

Poster #64

David Birnbach – Attendance Not Confirmed

Research Abstract #499

Title: Comparison of High-fidelity Simulation-based Assessment vs. Written Examination in Evaluating a Key Component of Residents' Safe Anesthesia Practice Sub Content: Curriculum Assessment

Session 1:3

Assigned Professor: Stacy Chew

Row Assignment: 7a

Poster #51

Dong, Chaoyan

Research Abstract #1031

Title: Simwars Curriculum in an Emergency Medicine Residency: Successes and Lessons Learned

Sub Content: Curriculum Assessment

Session 2:2

Assigned Professor: Marjorie Miller

Row Assignment: 7b

Poster #54

Feldman, Moshe

Research Abstract #633

Title: Evaluating the Impact of a Simulation-based Curriculum During Neonatal Intensive Care Rotations in a Pediatric Residency Program

Sub Content: Medical Education (undergraduate, graduate)
Session 2:3
Assigned Professor: Christine Park
Row Assignment: 11a
Poster #102

Fraser, Kristin

Research Abstract #936
Emotions, Cognitive Load, and Learning Outcomes During Simulation Training
Sub Content: Medical Education (undergraduate, graduate)
Session 1:4
Assigned Professor: Peregrina Arciaga
Row Assignment: 12b
Poster #107

Friedman, Zeev

Research Abstract #156
Title: Simulation in the Canadian Context: Perceptions of Program Directors and University Administrators
Sub Content: Medical Education (undergraduate, graduate)
Session 2:2
Assigned Professor: Jodee Anderson
Row Assignment: 10b
Poster #93

Gregory, Megan

Research Abstract #36
Title: Improving Skill Confidence on Handovers in Medical Education
Sub Content: Medical Education (undergraduate, graduate)
Session 1:1
Assigned Professor: Bonnie Haupt
Row Assignment: 10a
Poster #88

Hall, Andrew Koch

Research Abstract #656
Title: The Development and Validation of a Simulation-based OSCE Using Anchored Global Assessment Scores With Resuscitation Scenarios in Emergency Medicine
Sub Content: Medical Education (undergraduate, graduate)
Session 1:1
Assigned Professor: Peregrina Arciaga
Row Assignment: 11a
Project #104

Hastings, Randolph

Research Abstract #1029
Title: Expert vs. Novice Endpoint Angle and Motion in a Laryngoscopy Simulator
Sub Content: Knowledge, Skills and Abilities
Presenter Onsite Phone Number: 858-663-8433
Session 1:4
Assigned Professor: Jeffrey Cooper
Row Assignment: 10b
Poster #83

Hoeksema, Laura

Research Abstract #71
Title: Nursing Crew Resource Management: Are Skills Maintained One Year After Initial Training?
Sub Content: Knowledge, Skills and Abilities

Session 2:3

Assigned Professor: Diana Tabak

Row Assignment: 8a

Poster #63

Hsiung, Robert

Research Abstract #52

Title: ASRA Checklist Improves the Mangement of Simulated Local Anesthetic Systemic Toxicity

Sub Content: Medical Education (undergraduate, graduate)

Session 1:2
Assigned Professor: Bonnie Haupt
Row Assignment: 10b
Poster #89

Hui, Joshua

Research Abstract #523
Title: Baseline Central Venous Access Performances of Graduating Senior Medicine Residents
Sub Content: Knowledge, Skills and Abilities
Session 1:3
Assigned Professor: Diana Tabak
Row Assignment: 9a
Poster #74

Hui, Joshua

Research Abstract #983
Title: Significant Reduction of Central Line Related Blood Stream Infection After 2-Hour Individualized Central Line Simulation Trainings
Sub Content: Knowledge, Skills and Abilities
Session 1:2
Assigned Professor: Jeffrey Cooper
Row Assignment: 9b
Poster #81

Johnson, Mary

Research Abstract #70
Title: Mannequin vs. Web-based Simulation Training for Acute Care Nurse Practitioner Students
Sub Content: Knowledge, Skills and Abilities
Session 2:2
Assigned Professor: Diana Tabak
Row Assignment: 8b
Poster #62

Karkowsky, Chavi Eve

Research Abstract #338
Title: Breaking Bad News in Obstetrics: A Trial of Simulation-based Education Sub Content: Medical Education (undergraduate, graduate)
Session 1:1
Assigned Professor: Robin Keene
Row Assignment: 11a
Poster #96

Kim, Sara

Research Abstract #581
Title: Animations as Teaching Tools in Simulation Training: A Review of Online Medical Animations
Sub Content: Medical Education (undergraduate, graduate)
Session 2:1
Assigned Professor: Christine Park
Row Assignment: 11a
Poster #100

Kimberly Stone

Research Abstract #1071
Title: A Standardized Simulation-based Curriculum Improves Pediatric Resident Resuscitations

Sub Content: Curriculum Assessment
Session 2:3
Assigned Professor: Marjorie Miller
Row Assignment: 7a
Poster #55

Lammers, Richard

Research Abstract #434
Title: Root Cause Analysis of Errors during a Simulated Prehospital Pediatric Cardiac Arrest
Sub Content: Knowledge, Skills and Abilities
Session 1:2
Assigned Professor: Diana Tabak
Row Assignment: 9b
Poster #73

Lee, Colleen

Research Abstract #588
Title: Comprehensive Interdisciplinary Simulation Training for Obstetric Emergencies Improves Participant Knowledge and Confidence
Sub Content: Knowledge, Skills and Abilities
Session 2:1
Assigned Professor: Alice March
Row Assignment: 9a
Poster #76

Lineberry, Matthew

Research Abstract #1296
Title: Generalizability of Combat Trauma Procedure Performance Assessments for Training Modality Research
Sub Content: Knowledge, Skills and Abilities
Presenter Onsite Phone Number: 813-495-4301
Session 2:4
Assigned Professor: Julia Greenawalt
Row Assignment: 10b
Poster #87

March, Alice

Research Abstract #1215
Title: Students' Perceptions of Learning and Confidence Acquisition From Simulation Experiences
Sub Content: Knowledge, Skills and Abilities
Session 2:3
Assigned Professor: Julia Greenawalt
Row Assignment: 10a
Poster #86

Multak, Nina

Research Abstract #599
Title: Innovations in Physician Assistant Education: Simulation-based Cardiopulmonary Physical Exam and Diagnostic Skills Training
Sub Content: Medical Education (undergraduate, graduate)
Session 2:2
Assigned Professor: Christine Park
Row Assignment: 11b
Poster #101

Nacca, Nicholas

Research Abstract #74

Title: A Randomized Trial of a Novel ACLS Teaching Tool: Does It Improve Student Performance?

Sub Content: Medical Education (undergraduate, graduate)

Session 1:4

Assigned Professor: Bonnie Haupt

Row Assignment: 10b

Poster #91

Oikawa, Sayaka

Research Abstract #386

Title: Night on Call: Self Debriefing vs. Instructor Debriefing

Sub Content: Debriefing Strategies & Techniques

Session 2:4

Assigned Professor: Marjorie Miller

Row Assignment: 7b

Poster #56

Okuda, Haru

Research Abstract #113

Title: Gauging the Effectiveness of Simulation and Cooperative Learning in an Airway Management Course for Emergency Medicine Residents

Sub Content: Knowledge, Skills and Abilities

Presenter Onsite Contact Information: 917-407-8203 / haru.okuda@va.gov

Session 1:1

Assigned Professor: Marjorie Miller

Row Assignment: 8a

Poster #65

Ranniger, Claudia

Research Abstract #1344

Title: Using Standardized Patients to Grade High-stakes Procedural Skills Examinations: A Validation Study

Sub Content: Instructor Training & Education

Session 1:3

Assigned Professor: Sally Fortner

Row Assignment: 8a

Poster #59

Reed, Kevin

Research Abstract #1003

Title: High-Risk Delivery Scenarios: Benefits of Obstetric Simulation Training of Rare but Critical Procedures

Sub Content: Knowledge, Skills and Abilities

Session 1:3

Assigned Professor: Jeffrey Cooper

Row Assignment: 10a

Poster #82

Rieke, Horst

Research Abstract #1544

Title: Effect of a Designated Reader and Cognitive Aid on Resident Performance During Simulation of Intra-operative Emergencies

Sub Content: Medical Education (undergraduate, graduate)

Session 2:4

Assigned Professor: Bradley Peckler
Row Assignment: 12b
Poster #111

Sangmo, Je

Research Abstract #1047
Title: A Study for Responses and Satisfaction of Final Year Medical Students for Simulation-based Medical Education
Sub Content: Medical Education (undergraduate, graduate)
Session 2:2
Assigned Professor: Bradley Peckler
Row Assignment: 12b
Poster #109

Schwartz, Andrew

Research Abstract #31
Title: The Use of High-fidelity Simulation to Assess and Improve the Interpersonal Skills of the Practicing Anesthesiologist
Sub Content: Knowledge, Skills and Abilities
Session 1:4
Assigned Professor: Sally Fortner
Row Assignment: 8b
Poster #60

Sigalet, Elaine

Research Abstract #150
Title: Supplementing High-fidelity Simulation With Formalized Instruction has a Positive Impact on Team Performance Scores
Sub Content: Curriculum Assessment
Session 2:3
Assigned Professor: Steven Yule
Row Assignment: 7a
Poster #47

Sigalet, Elaine

Research Abstract #185
Title: Assessment of Undergraduate Health Professional Team Performance: The Development of the KidSIM Teamwork Performance Scale
Sub Content: Curriculum Assessment
Session 1:1
Assigned Professor: Stacy Chew
Row Assignment: 7a
Poster #49

Shiga, Takashi

Research Abstract #569
Title: A Randomized Control Trial of Simulation Training for Central Venous Catheter Placement
Sub Content: Knowledge, Skills and Abilities
Session 1:4
Assigned Professor: Diana Tabak
Row Assignment: 9b
Poster #75

Shinnick, Mary Ann

Research Abstract #160
Title: Predictors of Knowledge Gains Using Simulation in the Education of Pre-licensure Nursing Students
Sub Content: Knowledge, Skills and Abilities

Session 1:2

Assigned Professor: Marjorie Miller

Row Assignment: 8b

Poster #66

Sollid, Stephen J. M.

Research Abstract #749

Title: Introduction of an Extensive Simulation Program in a Traditional Medical Conference: Success or Wasted Time?

Sub Content: Curriculum Assessment

Session 1:4

Assigned Professor: Stacy Chew

Row Assignment: 7b

Poster #52

Sook Roh, Young

Research Abstract #274

Title: Building a Simulation-based Resuscitation Training Curriculum for Nurses: Results From a Needs Assessment Survey in Nurses

Sub Content: Knowledge, Skills and Abilities

Session 2:2

Assigned Professor: Janice Palagranas

Row Assignment: 8b

Poster #70

Strom, Suzanne

Research Abstract #180

Title: Resuscitation Reality Check: Using High-fidelity Simulation to Evaluate Graduating Fourth Year Medical Students' Resuscitation Skills for Curricular Assessment

Sub Content: Curriculum Assessment

Session 2:4

Assigned Professor: Yule, Steven

Row 7b

Poster #48

Sukalich, Sara

Research Abstract #493

Title: Teaching Error Disclosure: A Patient-centered Simulation Training for the Crucial Conversation

Sub Content: Medical Education (undergraduate, graduate)

Session 1:3

Assigned Professor: Robin Keene

Row Assignment: 11a; Poster #98

Syroid, Noah

Research Abstract #278

Title: Simulated Sedation Administration by Nurses is Improved With Web-based Training

Sub Content: Knowledge, Skills and Abilities

Session 2:3

Assigned Professor: Janice Palagranas

Row Assignment: 9a

Poster #71

Szauter, Karen

Research Abstract #204

Title: A Comparison of Medical and Physician Assistant Student Performance on Clinical Skills Encounters

Sub Content: Knowledge, Skills and Abilities

Session 1:3
Assigned Professor: Marjorie Miller
Row Assignment: 8a
Poster #67

Takeda Satoshi

Research Abstract #993
Title: Simulation Instructor Faculty Development: A Hybrid Model for Cross-cultural International Curriculum Sharing
Sub Content: Instructor Training & Education
Session 1:2
Assigned Professor: Sally Fortner
Row Assignment: 7b
Poster #58

Tanen, Dave (presenting but will be registered as Jonathan Auten) Research Abstract #606

Title: The Influence of Low-fidelity Hybrid Sexual Assault Simulation Training on the Comfort and Competency of Emergency Medicine Resident Physicians
Sub Content: Knowledge, Skills and Abilities
Session 2:2
Assigned Professor: Alice March
Row Assignment: 9b
Poster #77

Tang, Jessica

Research Abstract #1076
Title: A Cost-effective and Novel Approach for Multispecialty, High-fidelity Trauma Team Training: Distributed Simulation Trauma Team (DSTT)
Sub Content: Knowledge, Skills and Abilities
Session 2:2
Assigned Professor: Julia Greenawalt
Row Assignment: 10b
Poster #85

Theilken, Luke

Research Abstract #69
Title: Role-dependent Decrement in Information Recall During Team Management of Simulated Critical Events
Sub Content: Knowledge, Skills and Abilities
Session 2:1
Assigned Professor: Diana Tabak
Row Assignment: 8a
Poster #61

Tofil, Nancy

Research Abstract #408
Title: Breadth versus Depth? Repeated versus Mixed Case Selection in Pediatric Resident Simulation
Sub Content: Curriculum Assessment
Session 1:2
Assigned Professor: Stacy Chew
Row Assignment: 7b
Poster #50

Tofil, Nancy

Research Abstract #928
Title: Teaching Fellows to Teach Through the Use of Simulation

Sub Content: Knowledge, Skills and Abilities

Session 1:1

Assigned Professor: Jeffrey Cooper

Row Assignment: 9a

Poster #80

Wagner, Jason

Research Abstract #1098

Title: Validation of Simulated Adipose Tissue in a Central Venous Cannulation Model

Sub Content: Medical Education (undergraduate, graduate)

Session 2:3

Assigned Professor: Bradley Peckler

Row Assignment: 12a

Poster #110

Warrington, Steven

Research Abstract #946

Title: Use of a Wireless Remote Programmed Stethoscope as an Adjunct to High-fidelity Mannequin Simulation

Sub Content: Medical Education (undergraduate, graduate)

Session 2:1

Assigned Professor: Bradley Peckler

Row Assignment: 12a

Poster #108

Weinberger, Lauren

Research Abstract #230

Title: ACLS Training: Does High-fidelity Simulation Matter

Medical Education (undergraduate, graduate)

Session 2:3

Assigned Professor: Jodee Anderson

Row Assignment: 11a

Poster #94

Wise, Eric

Research Abstract #288

Title: Assessing the Value and the Educational Impact of Computer-based Simulation Learning at the University of Pittsburgh School of Medicine

Sub Content: Medical Education (undergraduate, graduate)

Session 2:4

Assigned Professor: Jodee Anderson

Row Assignment: 11b

Poster #95

Wong, Benjamin

Research Abstract #1060

Title: Effectiveness of Focused Educational Teaching of Carotid Bruits and Cardiac Murmurs Using an Auscultatory Simulation Device

Sub Content: Knowledge, Skills and Abilities

Session 2:1

Assigned Professor: Julia Greenawalt

Row Assignment: 10a

Poster #84

Woodyard, Donald

Research Abstract #649

Title: Standardized Patients vs. the Real Thing to Diagnose Chronic Conditions
Sub Content: Medical Education (undergraduate, graduate)
Session 2:4
Assigned Professor: Christine Park
Row Assignment: 11b
Poster #103

Yamashita, Juli

Research Abstract #233

Title: A Tele-mentoring System on Endoscopic Paranasal Sinus Surgery Skills: A Simulator to a Distant Simulator - From the OR to a Skills Lab

Sub Content: Knowledge, Skills and Abilities

Session 2:1

Assigned Professor: Janice Palagranas

Row Assignment: 8a

Poster #69

APPENDIX 6

IMSH 2012 - Technology and Program Innovations Posters

Clinical Outcomes & Quality Improvement: Clinical Outcome Assures; Patient Safety; Operations Research; Program Evaluation

Delac, Kathy & Blazier, Diane

TPI Abstract # 915

Title: Five Alive: Using Mock Code Simulation to Improve Responder Performance During the First Five Minutes of a Code

Sub Content: Patient Safety

Session 2:4

Assigned Professor: Akira Nishisaki

Row Assignment: 1d

Poster #118

Dong, Yue

TPI Abstract # 263

Title: ICU Rounding Resident Tasks Analysis Using Computer Modeling and Simulation

Sub Content: Operations Research

Session 1:3

Assigned Professor: Laura Conklin

Row Assignment: 1c

Poster #114

Giannessi, Massimo – (Attendance Not Confirmed)

TPI Abstract #252

Title: Development of an Innovative High-tech Training Course for Stroke Unit Healthcare Workers Connected With a Quality of Stroke Care Register

Sub Content: Clinical Outcome Measures

Session 1:1

Assigned Professor: Laura Conklin

Row Assignment: 1c

Poster #112

Hui, Josh

TPI Abstract # 984

Title: Different from Norm: An Individualized Central Line Simulation Training Program

Sub Content: Clinical Outcome Measures

Session 1:2

Assigned Professor: Laura Conklin

Row Assignment: 1d

Poster #113

Johnson, Kaalan

TPI Abstract # 1466

Title: Multidisciplinary Development of a High-fidelity Simulation Scenario for Pediatric Airway Emergencies

Sub Content: Program Evaluation

Session 1:4

Assigned Professor: Janice Palaganas

Row Assignment: 1d

Poster #122

Kessler, David

TPI Abstract # 692

Title: Full Scale Multidisciplinary In-situ Simulation Prior to Opening a New Pediatric Emergency Department

Sub Content: Operations Research

Session 1:4

Assigned Professor: Laura Conklin

Row Assignment: 1d

Poster #115

Lipschik, Gregg

TPI Abstract # 1430

Title: Using Simulation with Interprofessional Team Training to Improve RRT/Code Performance

Sub Content: Patient Safety

Session 1:2

Assigned Professor: Janice Palaganas

Row Assignment: 1d

Poster #120

Lockhart, Evelyn

TPI Abstract # 1129

Title: Use of Human Simulation for the Development of a Multidisciplinary Obstetric Massive Transfusion Protocol

Sub Content: Program Evaluation

Session 1:3

Assigned Professor: Janice Palaganas

Row Assignment: 1c

Poster #121

Luba, Josef

TPI Abstract # 830

Title: Managing Surgical Emergencies through Simulation Education: Patient Exsanguination

Sub Content: Patient Safety

Session 2:3

Assigned Professor: Akira Nishisaki

Row Assignment: 1c

Poster #117

Martens, Katie

TPI Abstract # 722

Title: Tactile VR: Taking the Initiative on Patient Safety and Quality Care Through Simulation

Sub Content: Patient Safety

Session 2:2

Assigned Professor: Akira Nishisaki

Row Assignment: 1d

Poster #116

Radtke, Judy

TPI Abstract # 757

Title: A Systematic Cost Analysis Approach for Simulation & SP Events

Sub Content: Operations Research

Session 2:1

Assigned Professor: Akira Nishisaki

Row Assignment: 1c

Poster #116

Taekman, Jeff

TPI Abstract # 1234

Title: A Multimodal Simulation Approach to the Centers for Medicare & Medicaid Services Regulation 482.52: Sedation and Rapid Sequence Intubation for the Non-anesthesia Provider

Sub Content: Patient Safety

Session 1:1

Assigned Professor: Janice Palaganas

Row Assignment: 1c
Poster #119

Human Factors: Attention Stress and Fatigue; Cognitive Processes (reasoning decision making); Sensory Processes (vision audition haptics); Situation Awareness; Workload

Adams, Reid

TPI Abstract # 559
Title: Simulating Information Technology: An Electronic Medical Record as an Enhancement in Medical Simulation
Sub Content: Cognitive Processes (reasoning decision making)
Session 2:1
Assigned Professor: Joshua Hui
Row Assignment: 3c
Poster #123

Carstens, Patricia

TPI Abstract # 1133
Title: Creating a Procedural and Cognitive Checklist for Central Venous Catheterization Using Cognitive Task Analysis
Sub Content: Cognitive Processes (reasoning decision making)
Session 2:4
Assigned Professor: Sally Fortner
Row Assignment: 3d
Poster #126

Kipper, Krista

TPI Abstract # 1334
Title: Providing Realism by Incorporating a Medication Dispensing System and Electronical Medical Record Into Simulation
Sub Content: Sensory Processes (vision audition haptics)
Session 1:2
Assigned Professor: Tom LeMaster
Row Assignment: 3c
Poster #129

Ranniger, Claudia

TPI Abstract # 1347
Title: A Comprehensive Procedural Skills Curriculum for Medical Students: Skills Selection and Curricular Integration
Sub Content: Cognitive Processes (reasoning decision making)
Session 2:4
Assigned Professor: Sally Fortner
Row Assignment: 3c
Poster #127

Rohit, Garkoti (Author is not attending but Co-author might be able to present)

TPI Abstract # 1026
Title: Simulation-based Patient Safety Initiative (SBPSI): Improving Patient Safety by Team Approach and Interprofessional Learning
Sub Content: Cognitive Processes (reasoning decision making)
Session 2:3
Assigned Professor: Sally Fortner
Row Assignment: 3c
Poster #125

Samosky, Joseph (or a co-author)

TPI Abstract # 941 - TPI Title: A Novel Intravenous Drug Recognition System for Medical Simulators Based on Direct Fluid Identification

Sub Content: Cognitive Processes (reasoning decision making)

Session 2:2

Assigned Professor: Sally Fortner

Row Assignment: 3d

Poster #124

Samosky, Joseph (co - author will probably be presenting)

TPI Abstract # 341

Title: BodyWindows: An Augmented Reality System for Interactive X-Ray Vision of Anatomy Dynamic Physiology and Clinical Procedures in Mannequin Simulators Sub Content: Sensory Processes (vision audition haptics)

Session 1:1

Assigned Professor: Tom LeMaster

Row Assignment: 3d

Poster #128

Physical Setting: Field Studies and in-Situ Studies; Simulation in Low Resource Environments; Technical Operations

Ahlstrom, Janet - (Attendance Not Confirmed)

TPI Abstract # 702

Title: Integrating simulation into unit based competency. A cost effecient/innovative approach to annual professional development requirements. Sub Content: Field Studies and in-Situ Studies

Session 1:4

Assigned Professor: Tom LeMaster

Row Assignment: 4d

Poster #131

Allen, Buffy

TPI Abstract # 827

Title: The Clinical Education Center: Enabling a Regional Interprofessional Approach to Education and Training

Sub Content: Technical Operations

Session 1:3

Assigned Professor: Marie Gilbert

Row Assignment: 4c

Poster #136

Echols, Sonya (Has Not Confirmed Which Author Will Present)

TPI Abstract # 1328

Title: Impact of In Situ Newborn Distress Drills in a Rural Hospital Emergency Department

Sub Content: Field Studies and in-Situ Studies

Session 2:1

Assigned Professor: Janet Corral (Tworek)

Row Assignment: 4c

Poster #132

Lampotang, Samsun

TPI Abstract # 996

Title: Profiled Vessel Model for Simulating Bladder Cystometrogram

Sub Content: Technical Operations

Session 1:4

Assigned Professor: Marie Gilbert

Row Assignment: 4d

Poster #137

Ricci, Michael - (Attendance Not Confirmed)

TPI Abstract # 433

Title: Shifting the Paradigm Using Simulation: A New Model of Doctorate Level Nurse Practitioner Education Using Deliberate Practice

Sub Content: Field Studies and in-Situ Studies

Session 1:3

Assigned Professor: Tom LeMaster

Row Assignment: 4c

Poster #130

Topps, David – (Attendance Not Confirmed)

TPI Abstract # 1057

Title: Hockey Lines: An Approach for Maximizing Learner Participation in Team-based Simulation

Sub Content: Simulation in Low Resource Environments

Session 2:4

Assigned Professor: Janet Corral (Tworek)

Row Assignment: 4d

Poster #133

Wade, Lenny

TPI Abstract # 294

Title: A Simple Method to Ensure That Simulation Participants Will not be Able to Intubate Your METI HPS Mannequin During a Cannot Intubate Scenario

Sub Content: Technical Operations

Session 1:1

Assigned Professor: Marie Gilbert

Row Assignment: 4c

Poster #134

Wright, Elisabeth

TPI Abstract # 575

Title: Maximizing Operational Efficiency in a Simulation Center Through the Implementation of an Inventory Management and Control System

Sub Content: Technical Operations

Session 1:2

Assigned Professor: Marie Gilbert

Row Assignment: 4d

Poster #135

Social and Team Issues: Interprofessional Education; Communications; Professional Behavior; Standardized Patient Activities

Arciaga, Peregrina

TPI Abstract # 292

Title: Utilizing Simulation and Standardized Patients/Actors in Interdisciplinary Training for Medical and Nursing Students for Enhancing Team Building Communication and Critical Decision-making

Sub Content: Interprofessional Education

Session 2:1

Assigned Professor: Mark Scerbo

Row Assignment: 5c

Poster #145

Brannen, Melissa

TPI Abstract # 1304

Title: Multidisciplinary Interprofessional Team Training in the Pediatric Intensive Care Unit
Sub Content: Interprofessional Education
Session 1:2
Assigned Professor: Renee Pyburn
Row Assignment: 6d
Poster #147

Buckley, Sharon (Has Not Confirmed Which Co-Author Will Be Presenting)

TPI Abstract # 837
Title: Developing Interprofessional Simulations for Undergraduate Students: Opportunities and Challenges
Sub Content: Interprofessional Education
Session 1:4
Assigned Professor: Alice March
Row Assignment: 6d
Poster #142

Chang, Todd

TPI Abstract # 306
Title: Using Adobe Captivate to Synchronize Trainers for a Multi-center International Simulation Intervention Study
Sub Content: Interprofessional Education
Session 2:2
Assigned Professor: Peregrina Arciaga
Row Assignment: 5d
Poster #146

Devine, Luke

TPI Abstract # 968
Title: Is it Time to Stop The Code? A Multidisciplinary Team-based Scenario Utilizing High-fidelity Simulation and Standardized Participants
Sub Content: Communications
Session 2:3
Assigned Professor: Frank Overly
Row Assignment: 5c
Poster #140

Dhindsa, Harinder - (Attendance Not Confirmed)

TPI Abstract # 1240 Title: Using Team-based Simulation Training to Improve Communication and Patient Care in Austere Environments: A Novel Program for Civilian Helicopter Crews and Ground-based Fire and Emergency Medical Services
Sub Content: Communications
Session 1:1
Assigned Professor: Julia Greenawalt
Row Assignment: 5c
Poster #142

Dhindsa, Harinder – (Attendance Not Confirmed)

TPI Abstract # 1501
Title: Learning Structured Communication Strategies Using Interprofessional Simulation
Sub Content: Communications
Session 1:2
Assigned Professor: Julia Greenawalt
Row Assignment: 5d
Poster #143

Johnson, Mathew

TPI Abstract # 1541

Title: Interprofessional Learning Program Using Undergraduate Nurses Paired with Post-graduate Paramedic and Doctors in a High-fidelity Simulation Centre: Student Perceptions of IPL and Peer Assessment
Sub Content: Communications
Session 1:3
Assigned Professor: Julia Greenawalt
Row Assignment: 5c
Poster #144

King, Sharla

TPI Abstract # 1231
TPI Title: From Concept to Reality: The Development of an Interdisciplinary Simulation Centre as a Shared Educational Resource
Sub Content: Interprofessional Education
Session 2:4
Assigned Professor: Laura Conklin
Row Assignment: 6d
Poster #145

Littlewood, Keith

TPI Abstract # 999
Title: Recreating an Established Simulation Experience to Incorporate Interprofessional Education: Lessons Learned
Sub Content: Interprofessional Education
Session 2:1
Assigned Professor: Laura Conklin
Row Assignment: 6c
Poster #143

Maeder, Monika Brodmann

TPI Abstract # 1125
Title: Evaluation of a Postgraduate Interprofessional Education Program in Emergency Medicine Using Simulations and Standardized Patients
Sub Content: Interprofessional Education 41 79 307 28 59 Session 2:3
Assigned Professor: Laura Conklin
Row Assignment: 6c
Poster #144

Michaud, Nicole

TPI Abstract # 1256
Title: Team Training for Adverse Situations Utilizing Simulation
Sub Content: Communications
Session 1:4
Assigned Professor: Julia Greenawalt
Row Assignment: 5d
Poster #144

Miller, Jane

TPI Abstract # 1413
Title: Taking a Big Bite: Designing and Implementing a Comprehensive Simulation Program in Dentistry
Sub Content: Interprofessional Education
Session 1:3
Assigned Professor: Renee Pyburn
Row Assignment: 6c
Poster #148

Paige, John

TPI Abstract # 1017

Title: Pilot Integration of High-fidelity Interprofessional Simulation-based Team Training of Students Within a Health Sciences Center

Sub Content: Interprofessional Education

Session 2:2

Assigned Professor: Laura Conklin

Row Assignment: 6d

Poster #143

Robinson, Lisa

TPI Abstract # 1508

Title: Use of Simulated Pages to Provide Opportunity for Interprofessional Education (IPE) of Medical and Nursing Students and to Improve Patient Outcomes and Healthcare Quality

Sub Content: Interprofessional Education

Session 1:4

Assigned Professor: Renee Pyburn

Row Assignment: 6d

Poster #149

Scerbo, Mark

TPI Abstract # 986

Title: Teaching Communication Skills Using Standardized Patients in a Team Scenario: A G Theory Analysis

Sub Content: Communications

Session 2:4

Assigned Professor: Frank Overly

Row Assignment: 5d

Poster #141

Sigalet, Elaine (Vincent Grant will)

TPI Abstract # 346

Title: The KidSIM Interprofessional Team Training Curriculum: A Simulation Day Helps the Student Teams Play

Sub Content: Interprofessional Education

Session 2:3

Assigned Professor: Peregrina Arciaga

Row Assignment: 5c

Poster #137

Suarez, Alison

TPI Abstract # 572

Title: Critical Care Strategy: Building Team Competence Through Simulation

Sub Content: Interprofessional Education

Session 1:1

Assigned Professor: Alice March

Row Assignment: 6c

Poster #139

Sweeney, Lynn – (Attendance Not Confirmed)

TPI Abstract # 441

Title: Combining CRM Training and Patient Service Education Into One Comprehensive Multidisciplinary Simulation-based Communications Training Curriculum

Sub Content: Communications

Session 2:1

Assigned Professor: Frank Overly

Row Assignment: 5c

Poster #138

Valois, Teresa

TPI Abstract # 561

Title: Setting Up the Amazing Room: How Serendipity can Teach us About Team Dynamics

Sub Content: Communications

Session 2:2

Assigned Professor: Frank Overly

Row Assignment: 5d

Poster #139

Vassallo, Susan

TPI Abstract # 460

Title: In-situ Multidisciplinary Simulation Experience in the Operating Room

Sub Content: Interprofessional Education

Session 2:4

Assigned Professor: Peregrina Arciaga

Row Assignment: 5d

Poster #138

Woodyard, Donald

TPI Abstract # 621

Title: Assessing Medical Students on Interprofessional Teamwork Skills using Standardized Pharmacy and Nursing Students

Sub Content: Interprofessional Education

Session 1:2

Assigned Professor: Alice March

Row Assignment: 6d

Poster 140

Wyllie, Colleen

TPI Abstract # 1279

Title: Launching Interdisciplinary Simulation in the Community Hospital Setting Sub Content: Interprofessional Education

Session 1:1

Assigned Professor: Renee Pyburn

Row Assignment: 6c

Poster #146

Zimmerman, Richard

TPI Abstract # 653

Title: Enhancing Systems Integration in Healthcare Using Simulation: The Mortality and the Deteriorating Patient Simulation Project (MDPS)

Sub Content: Interprofessional Education

Session 1:3

Assigned Professor: Alice March

Row Assignment: 6c

Poster #141

Training Education & Assessment: Curriculum Assessment; Knowledge Skills and Abilities; Instructor Training & Education; Debriefing Strategies & Techniques; Game-based Learning

Ajimi, Yasuhiko – (Attendance Not Confirmed)

TPI Abstract # 1468

Title: Novel Application of a Clinical Map for Creating Simulation Scenarios for Training

Sub Content: Curriculum Assessment

Session 2:1

Assigned Professor: Rose Ratala

Row Assignment: 8c

Poster #165

Ajimi, Yasuhiko

TPI Abstract # 1217

Title: A New Training Method using Color Blocks for Building Emergency Medical Situations: A 3-dimensional Mental Construct Material for Education

Sub Content: Game-based Learning

Session 1:4

Assigned Professor: Janet Corral (Tworek)

Row Assignment: 8d

Poster #172

Alinier, Guillaume

TPI Abstract # 122

Title: Transfer of Innovation among European Countries: An English Simulation Center Funded to Support the Introduction of Simulation in Turkish Nursing Schools

Sub Content: Medical Education (undergraduate, graduate)

Session 1:4

Assigned Professor: Mark Scerbo

Row Assignment: 15 d

Alphin, Carolyn & Ouellette, Patricia

TPI Abstract # 1449

Title: Cross-training of Perinatal Nursing Staff in a Simulation-based OB Boot Camp

Sub Content: Knowledge Skills and Abilities

Session 1:2

Assigned Professor: Diana Callendar

Row Assignment: 12d

Poster #215

Amitai, Ziv

TPI Abstract # 1394

Title: See one SIM one Do one: A National Simulation-based Effort to Ensure a Safer Student to Doctor Transition for Interns

Sub Content: Knowledge Skills and Abilities

Session 2:4

Assigned Professor: Elizabeth Sinz

Row Assignment: 12d

Poster #213

Arnold, Christine

TPI Abstract # 566

Title: Implementation of an In-situ Simulation Curriculum to Assess Cultural and Linguistic Sensitivity

Sub Content: Knowledge Skills and Abilities

Session 1:4

Assigned Professor: Meltem Yilmaz

Row Assignment: 10d

Poster #194

Baker, Paul

TPI Abstract # 786

Title: The Orsim Bronchoscopy Simulator

Sub Content: Knowledge Skills and Abilities

Session 1:2

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11d

Poster #199

Barton, Joseph

TPI Abstract # 535

Title: High-Fidelity Simulation Increases Medical Students' Comfort in Managing Critically Ill Patients
Sub Content: Medical Education (undergraduate graduate)
Session 2:3
Assigned Professor: Mary Kay Smith
Row Assignment: 13c
Poster #228

Blasius, Kimberly

TPI Abstract # 63
Title: Using High-fidelity Simulation for Airway Management Critical Events and Team Training for Rapid Response Teams
Sub Content: Knowledge Skills and Abilities
Session 2:1
Assigned Professor: Dawn Schocken
Row Assignment: 9c
Poster #180

Burns, Tracy

TPI Abstract # 179
Title: Acute Care of Pediatric Patients with Sickle Cell Disease: A Simulation-based Performance Assessment
Sub Content: Knowledge Skills and Abilities
Session 1:1
Assigned Professor: Carolyn Cason
Row Assignment: 10c
Poster #184

Chen, Pin-Tarng

TPI Abstract # 1056
Title: Integrated Mocks for the Taiwan National Board Examination in Anesthesiology
Sub Content: Curriculum Assessment
Session 2:3
Assigned Professor: Haim Berkenstadt
Row Assignment: 7c
Poster #160

Chung, Hyun Soo

TPI Abstract # 609
Title: The Impact of an International Collaborative Simulation-based Faculty Development Program: Evaluation of Participant Reaction and Learning
Sub Content: Instructor Training & Education
Session 2:2
Assigned Professor: Carolyn Cason
Row Assignment: 9d
Poster #173

Cimino, Linda – (Attendance Not Confirmed)

TPI Abstract # 1514
Title: Innovating and Invigorating CME Updates: You Really Can Reach and Teach Old Dogs New Tricks!
Sub Content: Curriculum Assessment
Session 2:2
Assigned Professor: Rose Ratala
Row Assignment: 8d
Poster #166

Collins, Adam

TPI Abstract # 1001
Title: Multiple Manikin Simulation Course
Sub Content: Medical Education (undergraduate graduate)
Session 1:4
Assigned Professor: Elizabeth Sinz
Row Assignment: 14d
Poster #240

Crookes, Simone

TPI Abstract # 675
Title: Interdisciplinary Obstetrical Trauma Simulation: A Meeting of the Minds in the ER
Sub Content: Medical Education (undergraduate graduate)
Session 2:1
Assigned Professor: Julia Greenawalt
Row Assignment: 14c
Poster #233

Dawson, Catherine

TPI Abstract # 190
Title: The Use of Simulation in a Novel Approach to Moderate Sedation Training
Sub Content: Curriculum Assessment
Session 2:3
Assigned Professor: Luke Theilken
Row Assignment: 7c
Poster #152

Didier, Sarah – (Attendance Not Confirmed)

TPI Abstract # 1233
Title: Adapting the Clinical Performance Tool and Simulation-based Training to Provide Structured Assessment of Critical Decision Skills in the Senior Grade Paediatric Doctors in the United Kingdom
Sub Content: Curriculum Assessment
Session 1:1
Assigned Professor: Christine Park
Row Assignment: 8c
Poster #162

Fidler, Rich

TPI Abstract # 1066
Title: Dental Crisis Resource Management (DCRM) Curriculum Development
Sub Content: Curriculum Assessment
Session 2:4
Assigned Professor: Haim Berkenstadt
Row Assignment: 7d
Poster #161

Fiumefreddo, Andrea

TPI Abstract # 746
Title: Clinical Performance Development: Multi-Modality Simulation Shock Sessions
Sub Content: Medical Education (undergraduate graduate)
Session 2:4
Assigned Professor: Bradley Peckler
Row Assignment: 14d
Poster #236

Garon, Jeffrey

TPI Abstract # 1142

Title: Teaching Theatrical Techniques to Enhance Realism in Simulation

Sub Content: Instructor Training & Education

Session 1:2

Assigned Professor: Kristina Stillsmoking

Row Assignment: 9d

Poster #177

Geng-Shiau, Lin – (Attendance Not Confirmed)

TPI Abstract # 1301

Title: Objective Assessment of Technical Skills for Senior Medical Students With Minor Trauma Simulation

Sub Content: Knowledge Skills and Abilities

Session 1:4

Assigned Professor: Bradley Peckler

Row Assignment

Gephardt, Grace

TPI Abstract # 618

Title: Using Standardized Patients To Inform and Improve the Practice of Pediatric Chaplains

Sub Content: Knowledge Skills and Abilities

Session 2:2

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11d

Poster #195

Giannessi, Massimo

TPI Abstract # 171 - TPI

Title: Development of Five Computer-based Simulation Cases on Ischemic Stroke: A New Way to Improve Expert Management of Clinically Adverse Events

Sub Content: Medical Education (undergraduate graduate)

Session 2:2

Assigned Professor: Mitzi Scotten

Row Assignment: 13d

Poster #219

Grant, Vincent

TPI Abstract # 664

Title: Improving Care for Children in Rural and Regional Centres: The KidSIM Interprofessional Outreach Program

Sub Content: Medical Education (undergraduate graduate)

Presenter Onsite Phone Number: 403-969-7422

Session 1:3

Assigned Professor: Marian Luctkar-fluke

Row Assignment: 14c

Poster #232

Grover, Emily

TPI Abstract # 1491

Title: Interprofessional (IPE) PICU Simulation Training Program

Sub Content: Knowledge Skills and Abilities

Session 1:4

Assigned Professor: Diana Callendar

Row Assignment: 12d

Poster #217

Hagler, Debra

TPI Abstract # 1123

Title: Creating the Preferred Future through Simulation Communities of Practice Sub Content: Instructor Training & Education
Session 1:1

Assigned Professor: Kristina Stillsmoking

Row Assignment: 9c

Poster #176

Haubner, Laura

TPI Abstract # 773

Title: NIQI Neonatal Intubation Quality Improvement: Collecting Clinical Performance Data To Guide The Development of
Simulation-based Training and Assessment for Neonatal Intubation

Sub Content: Knowledge Skills and Abilities

Session 1:1

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11c

Poster #198

Hawkins, Vickie

TPI Abstract # 1015

Title: Using Simulation for Evaluation of the On-Boarding NICU RN

Sub Content: Knowledge Skills and Abilities

Session 2:2

Assigned Professor: Diana Callendar

Row Assignment: 11d

Poster #203

Hernandez-Irizarry, Roberto & Farley, David

TPI Abstract # 1220

Title: The \$1.11 Simulator for Teaching Basic Surgical Skills Sub Content: Knowledge Skills and Abilities

Session 1:2

Assigned Professor: Bradley Peckler

Row Assignment: 12d

Poster #207

Hester, Robert

TPI Abstract # 362

Title: Implementation of a High-fidelity Physiological Model in a Virtual Patient

Sub Content: Medical Education (undergraduate graduate)

Session 1:4

Assigned Professor: Dawn Schocken

Row Assignment: 13d

Poster #225

Holmes, Tiffany

TPI Abstract # 307

Title: Teaching Patient Care Time Management and Skills Within a 4-week Course

Sub Content: Knowledge Skills and Abilities

Session 1:3

Assigned Professor: Carolyn Cason

Row Assignment: 10c

Poster #186

Hui, Josh

TPI Abstract # 1452

Title: Different from the Norm: UCLA-Olive View Emergency Medicine Residency Simulation Curriculum

Sub Content: Curriculum Assessment

Session 1:4

Assigned Professor: Christine Park

Row Assignment: 8d

Poster #164

Josey, Karen – (Attendance Not Confirmed)

TPI Abstract # 524

Title: Instilling Confidence and Competence: CRRT Training and Troubleshooting in the Simulation Lab

Sub Content: Knowledge Skills and Abilities not provided

Session 1:1

Assigned Professor: Meltem Yilmaz

Row Assignment: 10c

Poster #191

Katz, Daniel

TPI Abstract # 49

Title: Using Serious Gaming as a Novel Approach to the Teaching of Central Line Placement

Sub Content: Game-based Learning

Session 2:4

Assigned Professor: Rose Ratala

Row Assignment: 8d

Poster #168

Kopp, Wendy

TPI Abstract # 1033

Title: Enhancing End of Life Care in Nursing Education Through the Use of High-fidelity and Gaming Simulations

Sub Content: Knowledge Skills and Abilities

Session 2:3

Assigned Professor: Diana Callendar

Row Assignment: 11c

Poster #204

Lampotang, Samsun

TPI Abstract # 1042

Title: A Mixed Simulator for Ventriculostomy Practice

Sub Content: Knowledge Skills and Abilities

Session 2:4

Assigned Professor: Diana Callendar

Row Assignment: 11d

Poster #205

Lampotang, Samsun

TPI Abstract # 1286

Title: A Mixed Simulator for Subclavian Central Venous Access

Sub Content: Knowledge Skills and Abilities

Session 1:3

Assigned Professor: Bradley Peckler

Row Assignment: 12c

Poster #208

Row Assignment: 12d

Poster #209

Larrier, Deidre

TPI Abstract # 954

TPI Title: Simulation in Otolaryngology- Airway Management
Sub Content: Curriculum Assessment
Session 1:4
Assigned Professor: Jodee Anderson
Row Assignment: 7d
Poster #157

Lee, Janice

TPI Abstract # 1461
Title: A Dental Injection Simulator: A Safe and Virtual Learning Environment
Sub Content: Knowledge Skills and Abilities
Session 1:3
Assigned Professor: Diana Callendar
Row Assignment: 12c
Poster #216

LeFlore, Judy

TPI Abstract # 1018
Title: Virtual Interactive Pain Simulator: An Innovative Approach To Teaching Myths Physiology and Transmission of Pain in the Neonate
Sub Content: Curriculum Assessment
Session 2:1
Assigned Professor: Haim Berkenstadt
Row Assignment: 7c
Poster #158

LeFlore, Judy

TPI Abstract # 1027
Title: Second Life: Is it a Good Simulator for Nursing Students?
Sub Content: Curriculum Assessment
Session 2:2
Assigned Professor: Haim Berkenstadt
Row Assignment: 7d
Poster #159

LeFlore, Judy

TPI Abstract # 1014
Title: Virtual Interactive Cardiac Simulator: An Innovative Approach To Teaching Congenital Heart Disease to Neonatal Nurse Practitioner Students
Sub Content: Game-based Learning
Session 1:3
Assigned Professor: Janet Corral (Tworek)
Row Assignment: 8c
Poster #171

Livingston, Joseph

TPI Abstract # 188
Title: High-Fidelity Simulation of the Neonate Born with Hydrops Fetalis
Sub Content: Knowledge Skills and Abilities
Session 1:2
Assigned Professor: Carolyn Cason
Row Assignment: 10d
Poster #185

Luca, Cabrini – (Attendance Not Confirmed)

TPI Abstract # 322

Title: Efficacy of Simulation as a Training Tool in Disaster Medicine

Sub Content: Medical Education (undergraduate graduate)

Session 1:3

Assigned Professor: Dawn Schocken

Row Assignment: 13c

Poster #224

Lyons, Rebecca

TPI Abstract # 781

Title: Using Virtual Patients to Simulate Cranial Nerve Palsies: Student Reactions and Evaluation of Curricular Placement

Sub Content: Medical Education (undergraduate graduate)

Session 1:1

Assigned Professor: Elizabeth Sinz

Row Assignment: 14c

Poster #237

MacPherson, Joe

TPI Abstract # 1289

Title: Integrating Simulation to Increase Clinical Training Capacity

Sub Content: Curriculum Assessment

Session 1:3

Assigned Professor: Christine Park

Row Assignment: 8c

Poster #163

Mannix, Marin

TPI Abstract # 251

Title: Boot Camp: Designing Simulation-based Education for First Year Anesthesiology Residents (Ca-1s)

Sub Content: Medical Education (undergraduate graduate)

Session 1:1

Assigned Professor: Dawn Schocken

Row Assignment: 13c

Poster #222

Mathis, Kellie

TPI Abstract # 81

Title: Assessment of Technical Competence Performing Complex Surgical Procedures in a Risk-free Simulated Environment

Sub Content: Knowledge Skills and Abilities

Session 2:2

Assigned Professor: Dawn Schocken

Row Assignment: 9d

Poster #181

McCann, Theresa

TPI Abstract # 1045

Title: A New Mixed Model Simulation Lab Experience for Large Numbers of Preclinical Medical Students

Sub Content: Medical Education (undergraduate graduate)

Session 2:4

Assigned Professor: Adam Collins

Row Assignment: 15d

Poster #244

McKeown, Shari

TPI Abstract # 20

Title: Playing with Dolls: Use of Simulation Technology for Learning in a Respiratory Therapy Training Program

Sub Content: Curriculum assessment

Session 2:1

Assigned Professor: Luke Theilken

Row Assignment: 7c; Poster #150

Meyer, Mark

TPI Abstract # 765

Title: Using a Risk Analysis Tool to Generate Standardized Simulation Curricula and Objective Measurement Tools

Sub Content: Curriculum Assessment

Session 1:2

Assigned Professor: Jodee Anderson

Row Assignment: 7d

Poster #155

Michaud, Nicole

TPI Abstract # 1245

Title: Can Simulation in a Perfusion Program Curriculum Improve a Student's Clinical Readiness?

Sub Content: Curriculum Assessment

Session 1:2

Assigned Professor: Christine Park

Row Assignment: 8d

Poster #162

Miller, Jane

TPI Abstract # 420

Title: 1Health: Using Simulation to Teach and Assess Core Competencies for Interprofessional Collaborative Practice at the University of Minnesota

Sub Content: Knowledge Skills and Abilities

Session 2:3

Assigned Professor: Meltem Yilmaz

Row Assignment: 10c

Poster #190

Wilfong, Donamarie

TPI Abstract # 634

Title: Responding to the Healthcare Shortage: Career Technology Training at the STAR Center

Sub Content: Knowledge Skills and Abilities

Session 2:3

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11c

Poster #196

Nouhan, Patricia

TPI Abstract # 226

Title: A Simulation-based Approach to the Assessment of Team Communication Skills in the Emergency Department

Sub Content: Medical Education (undergraduate graduate)

Session 2:4

Assigned Professor: Mitzi Scotten

Row Assignment: 13d

Poster #221

Orii, Yukiko

TPI Abstract # 1107

Title: A Trial of Developing Post Operative Assessment Skills of Undergraduate Nursing Students With Using High-fidelity Simulator (Sim Man) Before Clinical Practice in Japan

Sub Content: Knowledge Skills and Abilities

Session 1:1

Assigned Professor: Bradley Peckler

Row Assignment: 12c

Poster #206

Orledge, Jeffrey

TPI Abstract # 1312

Title: Learning to Place an Intravenous Pacemaker Using a Simulator: Development and Implementation of an Assessment Tool

Sub Content: Knowledge Skills and Abilities

Session 2:1

Assigned Professor: Elizabeth Sinz

Row Assignment: 12c

Poster #210

Pastva, Amy & Hobbs, Gene

TPI Abstract # 632

Title: Utilizing Simulation to Develop the Decision-making and Procedural Skills of Physical Therapy Students Within the Acute Care Environment

Sub Content: Medical Education (undergraduate graduate)

Session 1:2

Assigned Professor: Marian Luctkar-fluke

Row Assignment: 14d

Poster #231

Perretta, Julianne

TPI Abstract # 191 - TPI

Title: Using Simulation to Introduce Clinical Correlations Within a First Year Medical School Anatomy Curriculum

Sub Content: Medical Education (undergraduate graduate)

Session 2:3

Assigned Professor: Mitzi Scotten

Row Assignment: 13c

Poster #220

Ranniger, Claudia

TPI Abstract # 1346

Title: Development of a Structural Framework for Procedural Skills Training

Sub Content: Knowledge Skills and Abilities

Session 2:2

Assigned Professor: Elizabeth Sinz

Row Assignment: 12d

Poster #211

Ranniger, Claudia

TPI Abstract # 1352

Title: Implementation of a Four-year Vascular Access Curriculum for Medical Students

Sub Content: Knowledge Skills and Abilities

Session 2:3

Assigned Professor: Elizabeth Sinz

Row Assignment: 12c

Poster #212

Rask, John

TPI Abstract # 398

Title: Simulation-based Training in Central Venous Line Placement and Management Sub Content: Medical Education (undergraduate graduate)

Session 2:1

Assigned Professor: Mary Kay Smith

Row Assignment: 13c

Poster #226

Reynolds, Phillip – (Attendance Not Confirmed)

TPI Abstract # 920

Title: A Model for Team Training and Crisis Management in Laparoscopic Surgery: Fire in the OR

Sub Content: Knowledge Skills and Abilities

Session 1:4

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11d

Poster #201

Reynolds, Phil

TPI Abstract # 745

Title: Emerging Role of Simulation in Anesthesiology Residency Curriculum Beyond the RRC Requirements

Sub Content: Medical Education (undergraduate graduate)

Session 2:3

Assigned Professor: Christine Park

Row Assignment: 14c

Poster #235

Roye, Jennifer

TPI Abstract # 353

Title: Evaluation of Two Synchronous Interactive Web-conferencing Simulations Using Adobe Connect Pro for On-line

Pediatric Nursing Student

Sub Content: Knowledge Skills and Abilities

Session 2:1

Assigned Professor: Meltem Yilmaz

Row Assignment: 10c

Poster #188

Russell, Ann

TPI Abstract # 1104

Title: Using the MSR Video-based Debrief Method to Support Interprofessional Communication Collaboration and Reflection in the Applied Health Sciences

Sub Content: Debriefing Strategies & Techniques

Session 2:3

Assigned Professor: Rose Ratala

Row Assignment: 8c

Poster #167

Scalzo, Anthony

TPI Abstract # 462

Title: Interdisciplinary Simulation Training at a Major Midwestern Health Sciences Center: Lessons Learned

Sub Content: Curriculum Assessment

Session 2:4

Assigned Professor: Luke Theilken

Row Assignment: 7d

Poster #153

Scheid, Susan

TPI Abstract # 952

Title: Informed Curriculum Revision: The Role of an End of Program Objective Structured Clinical Evaluation (OSCE)

Sub Content: Curriculum Assessment

Session 1:3

Assigned Professor: Jodee Anderson

Row Assignment: 7c

Poster #156

Scheid, Susan

TPI Abstract # 947

Title: Sticky Simulations: The Wonders of Glue

Sub Content: Medical Education (undergraduate graduate)

Session 1:3

Assigned Professor: Elizabeth Sinz

Row Assignment: 14c

Poster #239

Shekhter, Ilya or Birnback, David

TPI Abstract # 410

Title: Patient Safety: Virtual Room of Horrors

Sub Content: Game-based Learning

Presenter Onsite Phone Number: 305-585-1450

Session 1:1

Assigned Professor: Luke Theilken

Row Assignment: 8c

Poster #169

Shepherd, Irwyn

TPI Abstract # 964

Title: Professional Development (PD) in Rural and Remote Australia: A Pilot Project using High-fidelity Patient Simulation (HFPS)

Sub Content: Instructor Training & Education

Session 2:3

Assigned Professor: Carolyn Cason

Row Assignment: 9c

Poster #174

Sim, Alan

TPI Abstract # 40

Title: Understanding Specialized Human Motion Through Gesture Analysis: Comparisons of Expert and Novice Anesthesiologists Performing Direct Laryngoscopy Using Motion Capture Technology

Sub Content: Knowledge Skills and Abilities

Session 1:4

Assigned Professor: Kristina Stillsmoking

Row Assignment: 9d

Poster #179

Skirvin, Andrew

TPI Abstract # 590

Title: Virtual Patient Simulation Pilot Program for Doctor of Pharmacy Students Sub Content: Knowledge Skills and Abilities

Session 2:1

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11c

Poster #195

Smollin, Craig

Abstract # 88 - TPI Title: Development and Implementation of High-fidelity Simulation Cases for Acutely Poisoned Patient: An Interprofessional Approach Sub Content: Medical Education (undergraduate graduate)

Session 2:1

Assigned Professor: Mitzi Scotten

Row Assignment: 13c

Poster #218

Stefan, Ancuta

TPI Abstract # 1146

Title: Virtual Patients and Virtual Microscopy: Similarities Differences and Intersections in the Integrated Medical School Curriculum

Sub Content: Medical Education (undergraduate graduate)

Session 1:1

Assigned Professor: Stephen Sollid

Row Assignment: 15c

Poster #245

Stefan, Cristian

TPI Abstract # 1004

Title: Medical Simulation Session as a Novel Component of a Prematriculation Neuroscience Course for Medical and Dental Students

Sub Content: Medical Education (undergraduate graduate)

Session 2:1

Assigned Professor: Adam Collins

Row Assignment: 15c

Poster #241

Strange, Brandie

TPI Abstract # 923

Title: Development of an Innovative High-fidelity Simulation Program Within a Nurse Residency Program

Sub Content: Knowledge Skills and Abilities

Session 2:1

Assigned Professor: Diana Callendar

Row Assignment: 11c

Poster #202

Su, Lillian

TPI Abstract # 98

Title: A Description of the Development of a Rapid Deployment Extracorporeal Membrane Oxygenation (ECMO) Simulation Program to Guide Improved Execution of Real ECMO Deployment in Real Patients

Sub Content: Knowledge Skills and Abilities

Session 2:3

Assigned Professor: Dawn Schocken

Row Assignment: 9c

Poster #182

Sweeney, Lynn A.

TPI Abstract # 733

Title: Branding: It's Not Just for the Cereal Aisle. A Unique Cross-industry Collaboration Aimed at the Ever-daunting Challenge of Programmatic Sustainment Sub Content: Knowledge Skills and Abilities

Presenter Onsite Phone Number: 401-529-9572

Session 2:4

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11d

Poster #197

Syroid, Noah

TPI Abstract # 325

Title: Web-based Interactive Virtual Preceptorship Moderate Sedation Training Program for Non-anesthesiologists

Sub Content: Knowledge Skills and Abilities

Session 1:4

Assigned Professor: Carolyn Cason

Row Assignment: 10d
Poster #187

Szarek, John

TPI Abstract # 802
Title: Bringing Pharmacology to Life: Use of Human Patient Simulators in a Biomedical Sciences Graduate Program
Sub Content: Medical Education (undergraduate graduate)
Session 1:2
Assigned Professor: Elizabeth Sinz
Row Assignment: 14d
Poster #238

Takhar, Amandeep

TPI Abstract # 573
Title: The Simulation Olympics: The Development and Implementation of an Interprofessional Resuscitation-based Simulation Competition
Sub Content: Medical Education (undergraduate graduate)
Session 2:4
Assigned Professor: Mary Kay Smith
Row Assignment: 13d
Poster #229

Tassone, Rosalie

TPI Abstract # 137
Title: Development of a High-fidelity Simulation Module for Moderate Sedation Sub Content: Knowledge Skills and Abilities
Session 2:4
Assigned Professor: Dawn Schocken
Row Assignment: 9d
Poster #183

Thomas, Libby

TPI Abstract # 689
Title: Addressing the Hidden Curriculum in Interprofessional Learning: Using Simulation to Provide a Solution Using Educational Theory to Guide Learning
Sub Content: Curriculum Assessment
Session 1:1
Assigned Professor: Jodee Anderson
Row Assignment: 7c
Poster #154

Thompson, Laurie

TPI Abstract # 1484
Title: Learn to Be Safe: A Simulation Learning Experience
Sub Content: Medical Education (undergraduate graduate)
Session 1:3
Assigned Professor: Noah Syroid
Row Assignment: 15c
Poster #247

Todd, Frances

TPI Abstract # 1008
Title: A Hospital-based Faculty Development Program: Educating Clinical Faculty to Integrate and Increase the Use of Simulation in Training Programs and Curricula
Sub Content: Instructor Training & Education
Session 2:4
Assigned Professor: Carolyn Cason
Row Assignment: 9d

Poster #175

Tworek, Janet

TPI Abstract # 1236

Title: Simulated Electronic Medical Record (EMR) Training Using Virtual Patient Software

Sub Content: Medical Education (undergraduate graduate)

Session 1:2

Assigned Professor: Noah Syroid

Row Assignment: 15d

Poster #246

Udani, Ankeet

TPI Abstract # 605

Title: Simulation Curricula for Anesthesia Resident Education: Where are we and Where Would we Like to be?

Sub Content: Medical Education (undergraduate graduate)

Session 1:1

Assigned Professor: Marian Luctkar-fluke

Row Assignment: 14c

Poster #230

Vance, Steve

TPI Abstract # 698

Title: Critical Self-appraisal Of Crisis Team Leadership: A Simulation-based Curriculum For Second Year Emergency Medicine Residents

Sub Content: Medical Education (undergraduate graduate)

Session 2:2

Assigned Professor: Mark Scerbo

Row Assignment: 14d

Poster # 234

Wald, David A.

TPI Abstract # 275

Title: Development of an Office-based Emergencies Course for Podiatry Students

Sub Content: Medical Education (undergraduate graduate)

Session 1:2

Assigned Professor: Dawn Schocken

Row Assignment: 13d

Poster #223

Walker, Katie

TPI Abstract # 1244

Title: Health Workforce Australia: Planning a National Program for Simulation Educators and Technicians

Sub Content: Instructor Training & Education

Session 1:3

Assigned Professor: Kristina Stillsmoking

Row Assignment: 9c

Poster #178

Walter, Robey III – (Attendance Not Confirmed)

TPI Abstract # 1407

Title: Videorecording of Simulated Technical Errors as an Instructional Modality in a Central Venous Catheterization Course

Sub Content: Knowledge Skills and Abilities

Session 1:1

Assigned Professor: Diana Callendar

Row Assignment: 12c

Poster #214

Warrington, Steven

TPI Abstract # 1016

Title: Congruent Multisensory Learning Environments: A Novel Approach and New Frontier

Sub Content: Medical Education (undergraduate graduate)

Session 2:2

Assigned Professor: Adam Collins

Row Assignment: 15d

Poster #242

Watts, Susan

TPI Abstract # 414

Title: Using Multiple Simulation Modalities for Teaching Medical Spanish

Sub Content: Knowledge Skills and Abilities

Session 2:2

Assigned Professor: Meltem Yilmaz

Row Assignment: 10d

Poster #189

Welch, Greg

TPI Abstract # 1025

Title: Physical Manifestations of Virtual Patients

Sub Content: Medical Education (undergraduate graduate)

Session 2:3

Assigned Professor: Adam Collins

Row Assignment: 15c; Poster #243

Wie, Christopher

TPI Abstract # 515

Title: Using Simulation-based Training to Teach the Universal Protocol

Sub Content: Knowledge Skills and Abilities

Session 2:4

Assigned Professor: Meltem Yilmaz

Row Assignment: 10d

Poster #191

Willemsen-Dunlap, Ann

TPI Abstract # 508

Title: You Did What? In a Day? It Cost How Much!?

Sub Content: Medical Education (undergraduate graduate)

Session 2:2

Assigned Professor: Mary Kay Smith

Row Assignment: 13d

Poster #227

Woodyard, Donald

TPI Abstract # 625

Title: Pre-med Students as Standardized Patients: Learning Clinical Skills Before Medical School

Sub Content: Medical Education (undergraduate graduate)

Session 1:4

Assigned Professor: Marian Luctkar-fluke

Row Assignment: 14d

Poster #232

Wright, Elisabeth

TPI Abstract # 841

Title: Virtual Bronchoscopy Training and Competency Assessment for Organ Transplant Coordinators

Sub Content: Knowledge Skills and Abilities

Session 1:3

Assigned Professor: Ljuba Stojiljkovic

Row Assignment: 11c

Poster #200

Wu, Raymond

TPI Abstract # 526

Title: Moving the Simulation Lab to Your Mobile Device: BabyCPR iPhone App - A Next-Generation Virtual Smart-Mannequin

Sub Content: Knowledge Skills and Abilities

Session 1:2

Assigned Professor: Meltem Yilmaz

Row Assignment: 10d

Poster #192

Van der Hout, Beatrijs

TPI Abstract # 469

Title: Simulation of Late Decelerations in Labor With a Mathematical Model

Sub Content: Game-based Learning

Session 1:2

Assigned Professor: Luke Theilken

Row Assignment: 8d

Poster #170

Yudkowsky, Rachel

TPI Abstract # 530

Title: Learning to Listen: A Guide to Simulator-assisted Practice in Recognizing and Interpreting Abnormal Physical Exam Findings

Sub Content: Knowledge Skills and Abilities

Session 1:3

Assigned Professor: Meltem Yilmaz

Row Assignment: 10c

Poster #193

Zeno, Brian

TPI Abstract # 75

Title: The Virtual Patient from Admission to Discharge: A Novel Approach of Simulation Across the Continuum of Care

Sub Content: Curriculum Assessment

Session 2:2

Assigned Professor: Luke Theilken

Row Assignment: 7d

Poster #151