

IMSH 2010 Research Awards

Research Abstracts Presented at the 10th Annual International Meeting on Simulation in Healthcare

January 23–27, 2010 — Phoenix, Arizona

OVERALL BEST RESEARCH ABSTRACT

#157—Winner

Use of In Situ Simulations to Identify Barriers to Patient Care for Ad Hoc Multicultural and Multidisciplinary Teams in Resource-Constrained Settings

N. Shilkofski, E. Hunt
Johns Hopkins School of Medicine, Baltimore, MD

Best Trainee Research Abstract—#170

Central Venous Catheter Dress Rehearsal: Every Line Counts

A. Scholtz, A. Monachino, A. Nishisaki, D. Niles, E. Lengetti, V. Nadkarni
The Children's Hospital of Philadelphia, Philadelphia, PA

EDUCATION, COMPETENCY AND ASSESSMENT

#005—Winner

Simulation-Based Training Improves Applied Clinical Placement of PICC Lines for Junior Radiology Residents

P. B. Andreatta, K. Cho, Y. Chen, M. Marsh
University of Michigan, Ann Arbor, MI

#017—Runner Up

Debriefing Assessment for Simulation in Healthcare (DASH): Assessment of the Reliability of a Debriefing Instrument for Use in the EXPRESS Study and Beyond

M. B. Brett-Fleegler¹, J. Rudolph², W. Eppich³, E. W. Fleegler¹, R. Simon², for the EXPRESS investigators
¹Children's Hospital Boston, Boston, MA, ²Center for Medical Simulation and Harvard Medical School, Cambridge, MA, ³Division of Emergency Medicine, Children's Memorial Hospital, Northwestern University Feinberg School of Medicine, Chicago, IL

PATIENT RELATED OUTCOMES, RESEARCH IN SIMULATION, INCLUDING PATIENT SAFETY

#168—Winner

Using Simulation to Orientate Operating Department Staff and Test the Safety and Usability of a New Hospital Operating Suite

M. Canham¹, B. Robinson², D. Pirotta¹

¹Department of Anaesthesia and Pain Management, Wellington Regional Hospital, Wellington, NEW ZEALAND, ²National Patient Simulation Training Centre, Wellington Regional Hospital, Wellington, NEW ZEALAND

#162—Runner Up

Use Of A High Fidelity Simulation Team Training Program In Obstetric Anesthesiology To Uncover Deficiencies In Resident Competencies And Curriculum Design

D. J. Birnbach¹, I. Shekhter¹, E. Salas²
¹University of Miami-Jackson Memorial Hospital, Miami, FL, ²University of Central Florida, Orlando, FL

IMPACT OF SIMULATION CONTEXT AND PHYSICAL SETTING

#152—Winner

Lean Methodology Combined with In-Situ High-Fidelity Simulation to Evaluate Pediatric Emergency Department Design

L. Huang, D. Norman, D. LaForce, K. Anchala
McMaster Children's Hospital, Hamilton, ON, CANADA

#159—Runner Up

Identification of Medical Simulation Center Operational Characteristics at Children's Hospitals

D. A. Young¹, S. B. Issenberg²
¹Baylor College of Medicine, Houston, TX, ²University of Miami Miller School of Medicine, Miami, FL

HUMAN FACTORS-ORIENTED, SIMULATION-BASED RESEARCH

#165—Winner

Does the AHA Bradycardia Algorithm Encourage Inadvertent Administration IV Bolus of Epinephrine during Treatment of Symptomatic Bradycardia?

P. Cash¹, L. Bunegin², A. Sperduti¹
¹Master Train Center for Advanced Studies of Human Simulation, San Antonio, TX, ²University of Texas Health Science Center, Dept Anesthesiology, San Antonio, TX

#133—Runner Up

The Effect Of Visual Cues On Hand Hygiene Compliance In A Simulated Environment

D. J. Birnbach, R. Everett, M. Fitzpatrick, J. Mait, J. D. Lenchus, I. Nevo
University of Miami-Jackson Memorial Hospital Center for Patient Safety,
University of Miami, Miami, FL

#126—Runner Up

Evaluation of Respiratory Mechanics on the METI ECS, METI HPS, and Laerdal SimMan Full-Scale Simulator Mannequins

D. Liu¹, D. Campher², L. Brewer¹, S. A. Jenkins³
¹University of Utah, Salt Lake City, UT, ²Queensland Health Skills Development
Centre, Brisbane, AUSTRALIA, ³Royal Adelaide Hospital, Adelaide, AUSTRALIA

EMERGING AND INNOVATIVE METHODS AND TECHNOLOGY

#129—Winner

Mathematical Model for Simulation of Early Decelerations in Labor

M. B. van der Hout-van der Jagt¹, P. H. Bovendeerd², S. G. Oei¹
¹Máxima Medical Center, Veldhoven, Veldhoven, NETHERLANDS, ²Eindhoven
University of Technology, Eindhoven, NETHERLANDS