

2009 IMSH Research Awards

Research Abstracts Presented at the 9th Annual International Meeting on Simulation in Healthcare

January 11–14, 2009 — Lake Buena Vista, FL

Best Trainee Research Award—#11

Distributed Stimulation: An Innovative Tool to Enhance Medical Student Education in the Operating Room (OR)

Sonal Arora¹, Samir Latif¹, Bhamini Vadhvana², Nick Sevdalis¹, Dominic King¹, Rajesh Aggarwal¹, Fernando Bello¹, Debra Nestel³, Roger Kneebone¹

¹Imperial College, London, London, United Kingdom; ²University of Manchester, Manchester, United Kingdom, ³Gippsland Medical School, Monash University, Australia, Australia

Overall Best Research Abstract—#78

Cord Prolapse Simulation Training to Improve Outcome

Dimitrios Siassakos^{1,2}, Zaid Hasafa², Thabani Sibanda², Naomi Jobson², Joanna Crofts², Cathy Winter², Timothy Draycott²

¹University of Bristol, Bristol, UK; ²Southmead Hospital, Bristol, UK

EDUCATION

#37—First Place

Leadership Instructions Enhance Leadership and Medical Performance in Cardiopulmonary Resuscitation

Sabina Hunziker¹, Cyrill Buehlmann¹, Franziska Tschan², Norbert Semmer³, Sereina Streiff¹, Stephan Marsch¹

¹University of Basel, Basel, Switzerland; ²University of Neuchâtel, Neuchâtel, Switzerland; ³University of Bern, Bern, Switzerland

#48—Second Place

Expert Modeling Improves the Acquisition of Behavioral Skills in Simulation-Based Training

Douglas Leonard¹, Laura Corbin¹, Kristine Boyle², Katherine Leaning¹, Judy LeFlore³, JoDee Anderson¹

¹Oregon Health & Science University, Portland, OR; ²Stanford, Stanford, CA; ³University of Texas Arlington, Arlington, TX

#2—Third Place

Broadening the Assessment of Physical Examination Skills in a Standardized Patient-Based Assessment

Michael Ainsworth, Karen Szauter
University of Texas Medical Branch, Galveston, TX

TECHNOLOGY

#39—First Place

A Stiffness Discrimination Experiment Including Analysis of Palpation Forces and Velocities

Ernur Karadogan, Robert Williams, John Howell, Robert Conatser
Ohio University, Athens, OH

#75—Second Place

A Comparison of Visual and Haptic Feedback on a Simulated Bone Pinning Task

Mark W. Scerbo¹, T. Robert Turner¹, Dwight A. Meglan², Robert Waddington²

¹Old Dominion University, Norfolk, VA; ²SimQuest, LLC, Silver Spring, MD

#50—Third Place

Monitoring With Head-Mounted Displays in Anesthesia: Simulator and Clinical Evaluations

David Liu¹, Penelope Sanderson¹, Simon Jenkins², Marcus Watson¹, John Russell²

¹The University of Queensland, Brisbane, Australia; ²Royal Adelaide Hospital, Adelaide, Australia

PATIENT SAFETY

#42—First Place

Comparison of Sudden Cardiac Arrest Resuscitation Performance Data Obtained from In-Hospital Incident Chart Review and In Situ High-Fidelity Medical Simulation

Leo Kobayashi¹, Frank Overly¹, Mary Cooper³, Gregory Jay^{1,2}

¹Department of Emergency Medicine, Alpert Medical School of Brown University, Providence, RI; ²Department of Biomedical Engineering, Alpert Medical School of Brown University, Providence, RI; ³Quality Management, Lifespan, Providence, RI

#26—Second Place

Team Process and Diagnostic Success in Medical Emergency Driven Teams: A Simulator Study

Tschan Franziska¹, Semmer Norbert K.², Gurtner Andrea³, Bizarri Lara¹, Spychiger Martin⁴, Marsch Stephan U.⁴

¹University of Neuchâtel, Switzerland, Neuchâtel, Switzerland; ²University of Berne, Berne, Switzerland, ³Applied University of Berne, Berne, Switzerland, ⁴University Hospital of Basel, Basel, Switzerland

#4—Third Place

Simulation-Based Training Promotes Rapid Response Team Utilization and Improves Inpatient Mortality Rates

Hania Wehbe-Janek^{1,2}, Jose Pliego^{1,2}, Frank Villamaria^{1,2}, M. Hasan Rajab^{1,2}, Simon Sheather³

¹Scott & White Healthcare, Temple, TX; ²Texas A&M Health Science Center, College of Medicine, Temple, TX; ³Texas A&M University, College Station, TX