

**AEI Consortium Abstracts Since 2008**  
**Abstracts By Research Category - Surgical Outcomes**

Please note, TBD=To Be Determined and NA=Not Available

Abstract Type Key: Descriptive, NA, Non-AEI, Original, Research Idea and Work in Progress (2008-2017);  
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Abstract Year	Abstract Title	Type of Abstract	Multi-Institutional Study	Manuscript Published in Surgery	Last Name	First Name	Credentials	Institute	Categories of Research									
									Surgical Outcomes	Curriculum Development	Teaching Methods	Learner Evaluations	Program Evaluations	Patient Safety	Investigation	Education	In-Development	Other
AEI2008	Long-term Impact of the Robot Assisted Laparoscopic Prostatectomy Mini-Residency Training on Post-Graduate Urologic Practice Patterns	NA	no	no	Louie	Michael	MD	UC Irvine	X				X					
AEI2008	Proficiency – Targeted Simulation Training of Novice Surgeons Results in Improved Laparoscopic Skills Measured in the Operating Room	NA	no	no	Gauger	Paul	MD	University of Michigan	X									
AEI2010	A Comprehensive Curriculum for Advanced Laparoscopic Skills	Original	no	no	Orzech	Neal	MD	University of Toronto	X		X	X						
AEI2010	Assessment of the core competencies in general surgery residents: A single institution experience	Non-AEI	no	no	Alterman	Daniel	MD	UT Center for Advanced Medical Simulation/UTMCK	X			X	X					
AEI2010	Evaluating the Effectiveness of Virtual Reality Simulation Training in Intravenous Cannulation	Original	no	no	Loukas	Costas	PhD	University of Athens	X	X	X	X						
AEI2010	Investigating of Surgeon's Vigilance on Patient's Condition Using Eye-Tracking Techniques	Original	yes	no	Zheng	Bin	PhD	CESEI	X			X			X			
AEI2010	Non-Technical Skills Assessment in the Post Operative Setting	Descriptive	no	no	Sharma	Bharat	MD	University of Toronto	X			X						
AEI2010	Orthopaedic boot camp: Examining the effectiveness of an intensive surgical skills course	Original	no	yes	Sonnadara	Ranil	PhD, MSc	University of Toronto	X	X	X	X	X					
AEI2010	Quantifying Surgeon's Contribution to Team Effectiveness on a Mixed Team with a Junior Surgeon	Original	yes	yes	Zheng	Bin	PhD	CESEI	X	X		X						
AEI2010	Simulation-based mock code curriculum correlates with increased pediatric CPA survival rates	Original	no	no	Andreatta	Pamela	EdD, MFA, MA	University of Michigan	X	X	X		X	X				
AEI2010	Using Deliberate Practice to Train Higher-Order Skills in Laparoscopic Surgery	Work in Progress	yes	no	Beaubien	Jeffrey	PhD	Beaumont Health System	X	X	X	X			X			
AEI2011	Anatomy-focused videos to supplement surgical curriculum	Descriptive	no	no	Arora	Anjali	MD	EVMS	X	X	X	X			X			
AEI2011	Can virtual reality simulation be used for advanced bariatric surgical training?	Original	no	yes	Lewis	Trystan	MB, BS, BSc, MRCS	Imperial College London	X		X	X						
AEI2011	Design and Validation of a Model for Training and Assessment of Procedural Skills in Open Surgery	Original	yes	no	Rittenhouse	Neil	MHSc	University of Toronto	X	X	X	X						
AEI2011	Enterprise Deployment of a Simulation-based Training and Management program for Central Venous Catheters	Original	no	no	Sinanan	Mika	MD, PhD	University of Washington/ISIS	X	X					X			
AEI2011	Interdisciplinary team training led to successful management of a rare Obstetric emergency	Original	no	no	Andreatta	Pamela	PhD	University of Michigan	X		X		X	X	X			
AEI2011	Low-Hanging Fruit: Using Clementines for laparoscopic surgery training in gynecological oncology	Original	no	no	Andreatta	Pamela	PhD	University of Michigan	X	X	X	X			X			
AEI2011	Mastering Instruments at Hands before Operating on Patient - Role of Simulation in Training of Tool Use Skills	Original	no	no	Zheng	Bin	MD, PhD	CESEI	X									
AEI2011	Patient-Specific Simulated Rehearsal for the Carotid Artery Stenting Procedure	Original	yes	no	Willaert	Willem	MD	Imperial College London	X		X		X	X	X			
AEI2011	Simulation-augmented training program for Off-Pump Coronary Artery Bypass surgery: Developing and validating performance assessments	Original	no	yes	Cristancho	Sayra	PhD	University of Western Ontario	X	X		X						

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AEI2012	Adding Audio-Visual On-line Learning to a Surgery Simulation Curriculum Will Decrease Cognitive Load and Facilitate Learning for Surgical Interns.	Original	no	no	Ali	Shahzad	MD	Mayo Clinic Rochester	X	X	X	X						
AEI2012	Can Peers be Used to Assess Resident Performance in the Skills Laboratory?	Original	no	no	Rooney	Deborah	PhD	Northwestern University	X	X	X	X	X					
AEI2012	Differences Between Resident Specialties, Education & Faculty: Results of an All GME Resident Boot Camp	Original	no	no	Gregory	James	MD	Conemaugh Memorial Hospital	X	X	X	X		X				
AEI2012	Hemostasis in a non-compressible hemorrhage model: an end-user evaluation of hemostatic agents in a proximal arterial injury	Original	no	no	Satterly	Steven	MD	Madigan Army Medical Center	X			X	X	X				
AEI2012	Laparoscopic Cholecystectomy Simulation-Based Training: Does the Type of Trainer Matter?	Original	no	no	Paige	John	MD, FACS	LSUHSC-New Orleans	X	X	X	X	X	X				
AEI2012	Simulation Based Training in High Risk/Low Frequency Situations: A Case Presentation	Descriptive	no	no	Radcliffe	Benjamin	MD	Riverside Methodist Hospital	X	X	X	X	X	X				
AEI2012	Skills transfer between basic laparoscopic and colonoscopic simulator training	Original	no	no	Enochsson	Lars	MD, PHD	Karolinska University Hospital	X		X	X	X					
AEI2012	Variations in Procedure Time Based on PGY Level of General Surgery Residents	Descriptive	yes	no	Johnson	Jeremy	MD	University of Oklahoma	X	X	X	X	X					
AEI2013	Introduction of a Comprehensive Training Curriculum in Laparoscopic Surgery for Medical Students: a Randomized Trial.	Original	no	yes	Gawad	Nada	HBSc	St. Michael's Hospital/University of Toronto	X	X	X	X						
AEI2013	Introduction of VR Simulation Based National Training Course on Neurosurgery at Congress of Neurological Surgeons (CNS): Preliminary Results	Research Idea	no	no	Roitberg	Ben	MD	University of Chicago	X	X	X	X	X					
AEI2013	Laboratory Simulation is Useful in Training Residents in Bowel and Vascular Anastomosis	Research Idea	no	no	Mittal	Vijay	MD	Providence Hospital and Medical Centers	X	X	X							
AEI2013	Surgical Training: Design of a Virtual Care Pathway Approach	Descriptive	yes	yes	Beyer-Berjot	Laura	MD	Imperial College London/St. Mary's Hospital	X	X	X			X				
AEI2013	Teaching the Essentials of Endocrine Surgery via Low-Cost, Low-Fidelity Simulation – A Clever Use of Yarn and Felt	Original	no	no	Ruparel	Raaj	MD	Mayo Clinic Rochester	X	X	X	X						
AEI2013	Technical and non-technical skills influencing laparoscopic performance among OBGYN residents	Original	no	no	Enochsson	Lars	MD, PhD	Karolinska University Hospital	X	X	X	X						
AEI2013	Using Video Motion Analysis to Quantify Technical Performance	Original	yes	yes	Glarner	Carly	MD	University of Wisconsin	X	X		X						
AEI2014	A Novel Educational Module for Subclavian Venous Catheter Placement Using Ultrasound Guidance	Original	no	no	Bayci	Andrew	MD	Beaumont Health System	X	X	X			X				
AEI2014	Assessing Technical Competence in Surgical Trainees: A Systematic Review	Original	yes	no	Szasz	Peter	MD	University of Toronto	X		X	X	X					
AEI2014	Complications Related to Chest Tube Placement at the Mayo Clinic and a Plan for Quality Improvement	Original	no	no	Ruparel	Raaj	MD	Mayo Clinic Rochester	X	X	X		X	X				
AEI2014	Design of a Virtual Reality Training Curriculum for Laparoscopic Colorectal Surgery	Original	yes	no	Beyer-Berjot	Laura	MD	Imperial College London	X	X	X	X						

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AEI2014	Immersion Training in Simulation Brings Hyper-Realism to Training	Original	yes	no	LaPorta	Anthony	MD, FACS	Rocky Vista University School of Medicine	X	X	X	X	X	X				
AEI2014	Innovative Approach to Faculty Development Utilizing Simulation	Original	no	no	Zigmont	Jason	PhD	OhioHealth	X	X	X			X				
AEI2014	Skills Degradation of Seasoned General Surgeons Subjected to Gaps in Standard Practice Patterns Due to Combat Deployments	Original	yes	no	Choi	Yong	MD, FACS	Dwight D. Eisenhower Army Medical Center/Fort Gordon	X			X		X				
AEI2014	Surgical care checklists to optimise patient care following post-operative complications	Original	yes	no	Pucher	Philip	MD, MRCS	Imperial College London	X	X			X					
AEI2014	The Implementation of Surgical Crisis Checklists in Perioperative Team Simulation	Original	no	no	Huffstutter	Paul	MD, FACS	UT Center for Advanced Medical Simulation/UTMCK	X		X			X				
AEI2014	The Relationship between Intra-operative Teamwork and Quality of Patient Care	Descriptive	no	yes	Phitayakorn	Roy	MD, MEd	MGH	X			X	X	X				
AEI2014	Worth a thousand words: Google Glass in surgery	Descriptive	no	no	Wallace	Gabriel	MD	University of Washington/ISIS	X		X			X				
AEI2015	A Simulator and two tools: Validation of performance measures from a novel neurosurgery simulator using the current Standards framework	Descriptive	no	yes	Rooney	Deborah	PhD	University of Michigan	X	X	X	X		X				
AEI2015	Basic skills training - black box or high fidelity simulators?	Original	yes	no	Enochsson	Lars	MD, PhD	Karolinska University Hospital	X	X	X	X						
AEI2015	Cadaveric Model for Training and Assessment of Traumatic Wound Management and Hemorrhage	Original	no	no	Reihssen	Troy		University of Minnesota	X	X	X			X				
AEI2015	Dedicated Two Week Proficiency-based Simulation Curriculum for Surgical Residents	Work in Progress	no	no	Tanaka	Ryota	MD, PhD	Grainger (NorthShore University)	X	X	X	X						
AEI2015	Developing a Coaching Mechanism for Practicing Surgeons	Original	no	yes	Stefanidis	Dimitrios	MD, PhD, FACS, FASMBS	Carolinas Healthcare System	X	X	X	X		X				
AEI2015	Development of an evidence-based virtual reality training curriculum for laparoscopic hysterectomy	Original	yes	no	Crochet	Patrice	MD	Assistance Publique des Hopitaux de Marseille	X	X		X						
AEI2015	I Have to Learn Laparoscopic Latero-Lateral Small Bowel Anastomosis: How Long Will it Take?	Original	no	no	Manuel-Palazuelo	Carlos	MD, PhD	Hospital virtual Valdecilla	X		X	X						
AEI2015	The changing role of the surgical skills laboratory in the MIS training of general surgery residents: from a "cherry picking" approach to a standardized, proficiency-based curriculum	Original	no	no	Gangemi	Antonio	MD	UIC	X	X	X	X	X					
AEI2015	What would be the Role of Haptics if Incorporated in Robotic Surgery?	Original	no	no	Luciano	Cristian	PhD	UIC	X	X	X	X						
AEI2017	Outcomes Following Introduction of a Standardized Process To Improve Transitions of Care in a Surgical Practice	Original	no	no	AlJamal	Yazan	MD	Mayo Clinic Rochester	X	X			X	X				
AEI2018	Effects of Sequential, Supervised Simulation Training on the Acquisition and Long-term Retention of Vascular Surgical Skills	Innovative Techniques	no	no	Lyle	Cara	MD	West Virginia University Hospitals	X	X	X							