

AEI Consortium Abstracts Since 2008
Abstracts Published in Surgery

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	First Name	Last Name	Credentials	Institute	Categories of Research									
								Curriculum Development	Teaching Methods	Learner Evaluations	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other
AEI2009	Administrative Considerations When Implementing ACS Skills Curriculum	Descriptive	no	Deborah	Rooney	PhD	Northwestern University								X		
AEI2009	Increased Stress Levels May Explain the Incomplete Transfer of Simulator-Acquired Skill to the Operating Room	NA	no	Dimitrios	Stefanidis	MD, PhD, FACS	Carolinas Healthcare System								X		
AEI2009	Methodologies for Establishing Validity in Surgical Simulation Studies	NA	no	Sara	Kim	PhD	University of Washington/ISIS								X		
AEI2009	Outcome Measures for Surgical Simulators: Is the focus on technical skills the best approach?	Original	yes	Carla	Pugh	MD, PhD, FACS	Northwestern University								X		
AEI2009	The Impact of Stress Factors in Simulation-based Laparoscopic Training	NA	no	Pamela	Andreatta	EdD, MFA, MA	University of Michigan								X		
AEI2010	Deconstructing Laparoscopic Competence in a Virtual Reality Simulation Environment	Original	no	Costas	Loukas	PhD	University of Athens				X	X					
AEI2010	Orthopaedic boot camp: Examining the effectiveness of an intensive surgical skills course	Original	no	Ranil	Sonnadara	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	Bin	Zheng	PhD	CESEI	X		X				X			
AEI2011	A Structured Self-Directed Basic Skills Curriculum for Novices Results in Technical Performance Approaching that of Intermediate-level Residents	Original	no	Andrew	Wright	MD, FACS	University of Washington/ISIS				X	X					
AEI2011	Can Skills Coaches be Used to Assess Resident Performance in the Skills Laboratory?	Original	yes	Deborah	Rooney	PhDc	Northwestern University	X	X	X							
AEI2011	Can virtual reality simulation be used for advanced bariatric surgical training?	Original	no	Trystan	Lewis	MB, BS, BSc, MRCS	Imperial College London			X	X			X			
AEI2011	Orthopaedic boot camp II: Examining retention rates for skills taught through an intensive laboratory-based surgical skills course	Original	yes	Ranil	Sonnadara	PhD, MSc	Mount Sinai Hospital			X		X					
AEI2011	Residents' Perspectives on the Value of Simulation in a General Surgery Residency Curriculum	Original	yes	Hania	Wehbe-Janek	PhD	Texas A&M / Scott and White				X	X					
AEI2011	Simulation-augmented training program for Off-Pump Coronary Artery Bypass surgery: Developing and validating performance assessments	Original	no	Sayra	Cristancho	PhD	University of Western Ontario	X		X				X			
AEI2012	Barriers to the Adoption of the ACS/APDS Skills Curriculum	Original	no	Patricia	Pentiak	MD	Beaumont Health System	X	X								
AEI2012	Cadavers versus Pigs: Which are Better for Procedural Training of Surgery Residents Outside the OR?	Original	no	Dimitrios	Stefanidis	MD, PhD, FACS	Carolinas Healthcare System	X	X	X							

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AEI2012	Characteristics in Response Rates for Surveys Administered to Surgical Residents	Original	no	John	Yarger	MD	University of Vermont	X		X	X						
AEI2012	Orthopaedic Boot Camp III: Examining the efficacy of student-regulated learning during an intensive laboratory-based surgical skills course	Original	no	Ranil	Sonnadara	PhD	University of Toronto	X	X	X							
AEI2012	The American College of Surgeons / Association of Program Directors in Surgery National Skills Curriculum: Adoption Rate, Challenges and Strategies for Effective Implementation into Surgical Residency Programs	Original	no	James	Korndorffer, Jr.	MD, MHPE, FACS	Tulane University			X	X						
AEI2013	Filling a void: Developing standard subjective assessment tool for surgical simulation through systematic review of current practices	Original	no	F. Jacob	Seagull	PhD	University of Michigan		X	X							
AEI2013	Introduction of a Comprehensive Training Curriculum in Laparoscopic Surgery for Medical Students: a Randomized Trial.	Original	no	Nada	Gawad	HBSc	St. Michael's Hospital/University of Toronto	X	X	X			X				
AEI2013	Surgical Training: Design of a Virtual Care Pathway Approach	Descriptive	yes	Laura	Beyer-Berjot	MD	Imperial College London/St. Mary's Hospital	X	X			X	X				
AEI2013	The Future of Surgical Training: National Needs Assessment of Stakeholders	Original	yes	Sara	Kim	PhD	ACS AEI Curriculum Committee Study Paper	X			X	X					
AEI2013	The Rationale for Combining Surgical Simulation and Audiovisual Education: More Repetitions, Less Cost, and Greater Resident Engagement and Satisfaction	Original	no	Yazan	AlJamal	MD	Mayo Clinic Rochester	X	X	X	X						
AEI2013	Using Video Motion Analysis to Quantify Technical Performance	Original	yes	Carly	Glamer	MD	University of Wisconsin	X		X			X				
AEI2014	Intracorporeal Suturing: Transfer from FLS to Cadavers Results in Substantial Increase in Mental Workload	Original	yes	Rebecca	Britt	MD, FACS	EVMS	X	X	X							
AEI2014	Practicality of Using Galvanic Skin Response to Measure Intra-operative Physiological Autonomic Activation in Operating Room Team Members	Descriptive	no	Roy	Phitayakorn	MD, MEd	MGH		X	X			X				
AEI2014	The Relationship between Intra-operative Teamwork and Quality of Patient Care	Descriptive	no	Roy	Phitayakorn	MD, MEd	MGH			X	X	X	X	X			
AEI2014	Use of Error Analysis to Assess Resident Performance	Original	no	Anna Lise	Maag	MD	University of Wisconsin		X	X							
AEI2015	A Simulator and two tools: Validation of performance measures from a novel neurosurgery simulator using the current Standards framework	Descriptive	no	Deborah	Rooney	PhD	University of Michigan	X	X	X			X	X			

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AEI2015	An examination of the "seductive details effect" in acquisition and transfer of laparoscopic suturing skills	Original	yes	Aimee	Gardner	PhD	UT Southwestern	X	X	X	X						
AEI2015	Developing a Coaching Mechanism for Practicing Surgeons	Original	no	Dimitrios	Stefanidis	MD, PhD, FACS, FASMBS	Carolinas Healthcare System	X	X	X		X	X				
AEI2015	Immersion Team Training In Realistic Environment Improves Performance In Trauma Resuscitation	Original	no	Kris	Sirirativawong	MD	Bioskills and Simulation Training at Naval Medical Center San Diego	X	X	X	X	X					
AEI2015	Student Perceptions of a Simulation-Based Surgery Clerkship Flipped Classroom	Original	no	Cara	Liebert	MD	Stanford University	X	X		X	X					
AEI2015	Teaching Professionalism in Graduate Medical Education: What is the Role of Simulation?	Work in Progress	yes	Eisha	Wali	BS	University of Chicago	X	X		X						
AEI2016	Do Great Teams Think Alike? An Examination of Team Mental Models and their Impact on Team Performance	Original	yes	Aimee	Gardner	PhD	UT Southwestern										
AEI2016	The Effects of a Retention Interval and Refresher Session on Intracorporeal Suturing Skill and Mental Workload	Original	yes	Rebecca	Britt	MD, FACS	EVMS			X	X						
AEI2017	AEI best practices: A review of 2011 to present	Original	yes	James	Cooke	MD	University of Michigan										
AEI2017	Personalized video feedback to improve "at home" pre-residency preparation of surgical interns	Original	yes	Nimesh	Naik	MD	Mayo Clinic Rochester										
AEI2017	Team-based Simulations for New Surgeons: Does Early and Often make a Difference?	Original	yes	Kareem	AbdelFattah	MD	UT Southwestern	X									
AEI2017	Time Crunch: Increasing the Efficiency of Technical Surgical Skill Assessment via Brief Video Clips	Original	yes	John	Sawyer	BS	Medical University of South Carolina										
AEI2017	Using Epistemic Network Analysis to Identify Targets for Educational Interventions in Trauma Team Communication	Original	no	Sarah	Sullivan	PhD	University of Wisconsin			X							
AEI2017	Value-based Simulator Selection: The Creation and Evaluation of the Simulator Value Index Tool	Original	yes	Deborah	Rooney	PhD	University of Michigan										
AEI2018	Competence-based Mastery Learning for Chest Tube Placement: A Study of Anxiety, Confidence, and Performance	Original Paper	no	Andrew	Velic	BS	UWSMPH	X	X								
AEI2018	Current Research Priorities in Surgical Simulation	Original Paper	yes	Nicholas	Anton	MS	Indiana University School of Medicine										Needs Assessment
AEI2018	Evaluating the Quality of Video-taped Debriefings after Simulation Team Training	Original Paper	yes	John	Paige	MD	LSUHSC SCHOOL OF MEDICINE		X								
AEI2018	Low Fidelity Materials Yield High Resolution Assessment of Anatomical Knowledge...Really?	Original Paper	no	Humza	Saleem	MD	Mayo Clinic Rochester	X		X							

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AEI2018	Performance Variability During Training on Simulators Predicts Skill Transfer	Original Paper	yes	John	Martin	MD	Indiana University			X							Performance Assessment
AEI2018	Surgical Interns in 2017: Objective Assessment Suggests they are Better but Still DANGEROUS.	Original Paper	no	Yazan	AlJamal	MD	Mayo Clinic Rochester			X	X						
AEI2018	Teaching Practicing Surgeons What Not to Do: An Analysis of Instructor Coaching Fluidity During a Simulation Based CME Course	Poster Presentation	yes	Martha	Godfrey	MD	University of Wisconsin, Madison		X								
AEI2019	Does Variability Among Surgical Skills Diminish Throughout Residency Training? Analysis of a 5-Task Surgical Simulation Curriculum Starting Day 1.	Poster Presentation	yes	Jessica	Limberg	MD	NYP-Weill Cornell Medical Center	X	X	X							
AEI2019	Experienced Surgeons Versus Novice Residents: Validating a Novel Knot Tying Simulator for Vessel Ligation	Poster Presentation	yes	Roi	Anteby	B.S.	Tel Aviv University										Validation of a novel simulator
AEI2019	Medical Student Perception and Confidence in Informed Consent, A Core EPA	Original Paper	no	Tiffany	Anderson	MD	Stanford University	X									
AEI2019	Use of Sensors to Quantify Procedural Idle Time: Validity Evidence for a New Mastery Metric	Original Paper	yes	Kenneth	Perrone	MD	Stanford University			X							