

**AEI Consortium Abstracts Since 2008**  
**Abstracts By Research Category - Teaching Methods**

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);  
 Innovative Techniques, Original Paper and Poster Presentation (2018-Current)

Abstract Year	Abstract Title	Type of Abstract	Multi-Institutional Study	Manuscript Published in Surgery	Last Name	First Name	Credentials	Institute	Category of Research										
									Teaching Methods	Curriculum Development	Learner Evaluations	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
AEI2008	Collaboration: Key to the Evolution of Surgical Education	NA	no	no	Alexis	Marnelle	EdD	Duke University Medical Center	X										
AEI2008	LSUHSC-NO Expands Surgical Education through Innovative Developments and Collaborations	NA	no	no	Chauvin	Sheila	MEd	LSUHSC-New Orleans	X										
AEI2008	University of Minnesota PeriOperative Resource for Training and Learning (SimPORTAL)	NA	no	no	Sweet	Robert	MD, FACS	University of Minnesota/SimPORTAL	X										
AEI2010	A Comprehensive Curriculum for Advanced Laparoscopic Skills	Original	no	no	Orzech	Neal	MD	University of Toronto	X		X				X				
AEI2010	A Focused and Dedicated One Week Basic Skills Curriculum Is Adequate To Reach The Expected Proficiency Level For First Year Surgery Residents In A Busy Residency	Original	no	no	Chandrakaladhar	Ben Selvan	MS	Penn Medicine Clinical Simulation Center	X	X	X	X							
AEI2010	A low cost simulator to reduce global rates of maternal mortality	Original	no	no	Perosky	J		University of Michigan	X	X				X					
AEI2010	Assembling the Puzzle that is Surgical Education: A Look at a Proficiency-Based Knot-Tying and Suturing Curriculum	Research Idea	no	no	Nagar	S	MD	Beaumont Health System	X	X	X								
AEI2010	Deficiencies of the Surgical Curriculum Exposed	Original	no	no	Montero	Paul	MD	Carolinas Healthcare System	X	X	X	X							
AEI2010	Development and Evaluation of an Open Aortic Aneurysm Repair Simulation	Non-AEI	no	no	Jones	Matt		UT Center for Advanced Medical Simulation/UTMCK	X	X	X								
AEI2010	Development and Implementation of a System-Wide Central Venous Catheterization Curriculum	Descriptive	no	no	Wright	Andrew	MD, FACS	University of Washington/ISIS	X	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	Improving Surgical Skills Through Simulation Education	Original	no	no	Zendejas	Benjamin		Mayo Clinic Rochester	X	X	X								
AEI2010	Laparoscopic training in the UK	Original	no	no	Brown	Daniel		Imperial College London	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	Simulation-based distance education: practice and challenges	Original	no	no	Koval	Valentyna		CESEI	X	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	X				
AEI2010	Simulation-based training improves applied clinical placement of ultra-sound guided PICCs	Original	no	no	Andreatta	Pamela	EdD, MFA, MA	University of Michigan	X		X			X					
AEI2010	Surgical In-situ Simulations	Work in Progress	no	no	Hamman	William	MD, PhD	Beaumont Health System	X	X		X							
AEI2010	The Development and Implementation of a Simulation-based Curriculum to Teach Interns Invasive Skills	Original	no	no	Sultana	Carmen	MD, FACS	Thomas Jefferson University	X	X	X	X							
AEI2010	The Missing Link: Integrating the Patient Population with Surgical Education through Web-based Training and In-situ Simulation®	Research Idea	no	no	Hamman	William	MD, PhD	Beaumont Health System	X	X		X	X						
AEI2010	The Use of Simulation Hybrids in Skills Teaching and Assessment	Descriptive	no	no	Berg	Katherine	MD	Thomas Jefferson University	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				
AEI2010	YouTube Video + Simulation = Master TEP Hernia Surgeon?	Work in Progress	no	no	Zendejas	Benjamin		Mayo Clinic Rochester	X	X		X							

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AEI2011	A Comparison Study of Basic Skills Acquisition with Virtual Reality and Physical Reality Simulation Training	Original	no	no	Loukas	Constantinos	PhD	University of Athens	X	X	X		X						
AEI2011	A Hybrid 3-D VR/Physical Pelvis for Training Surgically Relevant Anatomic Principles	Original	no	no	Santos	Erlan	MD	University of Minnesota/SimPORTAL	X	X	X								
AEI2011	A novel approach to the resident skills curriculum: modules on rare and common procedures linked together with simulators created by the learner.	Original	no	no	Zak	Yulia	MD	Stanford Medical Center	X	X	X								
AEI2011	A Pilot Study on Real-Time Measures of Surgical Motions in Minimally Invasive Surgery	Original	no	no	Awad	Michael	MD, PhD	Washington University School of Medicine	X		X								
AEI2011	A Simulation Assessment Tool for Tubal Ligation	Work in Progress	no	no	Sultana	Carmen	MD	Thomas Jefferson University	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	yes	Wright	Andrew	MD, FACS	University of Washington/ISIS	X		X								
AEI2011	Anatomy-focused videos to supplement surgical curriculum	Descriptive	no	no	Arora	Anjali	MD	EVMS	X	X	X		X	X					
AEI2011	Are Medical Students Being Taught Invasive Skills Using Simulation?	Descriptive	no	no	Berg	Katherine	MD	Thomas Jefferson University	X	X	X								
AEI2011	Assessing the Impact of Debriefing on Mental Workload	Original	no	no	Sharma	Bharat	MD	University of Toronto	X		X		X						
AEI2011	Assessing the Value of the State Trait Anxiety Inventory for the Assessment of Intraoperative Stress Associated with Skill Transfer	Original	no	no	Stefanidis	Dimitrios	MD, PhD	Carolinas Healthcare System	X	X									
AEI2011	Augmenting Technical Skills Training Through Applications of Video, Neuro-feedback and Guided Imagery Training	Original	no	no	Sudan	Ranjan	MD	Duke University Medical Center	X										
AEI2011	Behavioral Impact of Inter-Professional Student Operating Room Team Training using High Fidelity Simulation	Original	no	no	Paige	John	MD, FACS	LSUHSC-New Orleans	X	X	X		X						
AEI2011	Can Skills Coaches be Used to Assess Resident Performance in the Skills Laboratory?	Original	yes	yes	Rooney	Deborah	PhDc	Northwestern University	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	Data-Driven Optimization of Surgeon Skills for Enhanced Training, Simulation, and Assessment	Work in Progress	yes	no	Ali	Noaman	MD	Beaumont Health System	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	Determination of Standardized Tasks and Assessment for a Simulation-Based Curriculum in Arthroscopic Knee Surgery	Research Idea	no	no	LeBel	Marie-Eve	MD, FRCSC	University of Western Ontario	X	X									
AEI2011	Enlarging the Scope of ACS Accredited Education Institutes for Learners in Different Disciplines	Descriptive	no	no	Zheng	Bin	MD, PhD	CESEI	X	X									
AEI2011	Integration of a Curriculum for the Surgeons Training Endoscopic Proficiency (STEP) Program into General Surgery Residency	Work in Progress	no	no	Kastenmeier	Andrew	MD	Lahey Health System	X	X									
AEI2011	Integration of Procedural Skills Simulation and Just In Time Training into an Advanced Physical Diagnosis Program	Work in Progress	no	no	Jasper	Edward	MD	Thomas Jefferson University	X	X	X		X						

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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					
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	No More Hotel Stays for ABS Examiners or Examinees: A Pilot Study to Assess the Internet as an Oral Exam Platform	Research Idea	yes	no	Farley	David	MD	Mayo Clinic Rochester	X		X								
AEI2011	Orthopaedic boot camp II: Examining retention rates for skills taught through an intensive laboratory-based surgical skills course	Original	yes	yes	Sonnadara	Ranil	PhD, MSc	Mount Sinai Hospital	X			X							
AEI2011	Patient-Specific Simulated Rehearsal for the Carotid Artery Stenting Procedure	Original	yes	no	Willært	Willem	MD	Imperial College London	X			X	X	X					
AEI2011	Prediction of Future Performance in Minimally Invasive Surgery – A Tool for Surgical Selection	Original	no	no	Aggarwal	Rajesh	MD, PhD, MA, FRCS	Imperial College London	X		X								
AEI2011	Setting Mastery Learning Standards for Laparoscopic TEP Inguinal Hernia Repair Simulator Training	Original	no	no	Zendejas	Benjamin	MD	Mayo Clinic Rochester	X	X	X								
AEI2011	Simulation for Operative Laparoscopic skill Advancement of Residents (SOLAR): A Global Study	Original Paper	no	no	Aggarwal	Rajesh	MD, MA, PhD, MRCS	Imperial College London	X	X	X	X							
AEI2011	Simulator leads to clinical practice changes for bimanual uterine compression to control	Descriptive	no	no	Andreatta	Pamela	PhD	University of Michigan	X			X							
AEI2011	Sticky Situations: Using foam stickers for precision and tissue handling in laparoscopic training	Original	no	no	Andreatta	Pamela	PhD	University of Michigan	X	X	X								
AEI2011	The Surgical Simulation Fellowship Program: Developing International Surgical Leaders in the Art and Sciences of Simulation	Descriptive	no	no	Sweet	Robert	MD, FACS	University of Minnesota/SimPORTAL	X	X		X							
AEI2011	Toward the Development of an Observer-Based Tool for Assessing, Debriefing, and Trending Higher-Order Skills During Laparoscopic Surgery	Original	no	no	Shanley	Charles	MD, FACS	Beaumont Health System	X	X	X								
AEI2011	Transfer of skills between virtual colonoscopy and laparoscopy	Original	yes	no	Enochsson	Lars	MD, PhD	Karolinska University Hospital	X			X							
AEI2011	Utilization of Simulation Based Training and Objective Structured Assessment of Technical Skills for Credentialing of Central Venous and Arterial Line Placement in the Surgical Intensive Care Unit	Work in Progress	no	no	Ali	Noaman	MD	Beaumont Health System	X	X	X		X						
AEI2011	Validation of a Novel Assessment Tool for Central Venous Catheterization	Original	no	no	Wright	Andrew	MD, FACS	University of Washington/ISIS	X	X	X	X	X						
AEI2012	Acquisition of New Skills By Novices: Effect of Three Different Instructional Methods	Original	no	no	Gregory	James	MD	Conemaugh Memorial Hospital	X	X	X								
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	Barriers to the Adoption of the ACS/APDS Skills Curriculum	Original	no	yes	Pentlak	Patricia	MD	Beaumont Health System	X	X									
AEI2012	Cadavers versus Pigs: Which are Better for Procedural Training of Surgery Residents Outside the OR?	Original	no	yes	Stefanidis	Dimitrios	MD, PhD, FACS	Carolinas Healthcare System	X	X	X								

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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	Evaluating General Surgery Residents: Is it Worth an Olympic Effort?	Original	no	no	Hernandez-Irizarri	Roberto	BS	Mayo Clinic Rochester	X	X	X	X								
AEI2012	Evaluation of Stress on Laparoscopic Skills of Surgical Residents in Simulation-Based Education	Research Idea	no	no	Boyer	William	DHSc	Lehigh Valley Health Network	X		X		X							
AEI2012	Initial Steps Towards the Development of a De Novo Simulation-Based Anesthesia Curriculum	Work in Progress	no	no	Ozawa	Edwin	MD, PhD	Lahey Health System	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	Nurse Training with Simulation: An Innovative Approach to Teach Complex Microsurgery Patient Care	Descriptive	no	no	Potochny	John	MD, FACS	Penn State Hershey Medical Center	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	yes	Sonnadara	Ranil	PhD	University of Toronto	X	X	X									
AEI2012	Simulation Based Training in High Risk/Low Frequency Situations: A Case Presentation	Descriptive	no	no	Radclyffe	Benjamin	MD	Riverside Methodist Hospital	X	X	X	X	X	X						
AEI2012	Simulation enhances surgery residents opinion on the importance of team working	Original	no	no	Breaud	Jean	MD, PhD	University of Nice	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	Survey-Based Team Assessments: A Critical Evaluation Of Behavioral Constructs And Item Selection	Original	no	no	Pugh	Carla	MD, PhD, FACS	Northwestern University	X		X									
AEI2012	The Anatomy of Bronchoscopy Simulation: Enhancing Experiential Learning through Embedded Research Algorithms (EMA)	Work in Progress	no	no	Hafey	Robert	BS	SITEL's Clinical Simulation Center of MedStar Health	X	X	X	X	X							
AEI2012	Transfer Effectiveness for a Virtual Reality Laparoscopic Appendectomy Curriculum	Original	yes	no	Acharya	Amish	BSc	Imperial College London	X	X		X								
AEI2012	Using a Many-Facet Rasch Measurement Approach for Validation of Central Venous Catheter Tool Used in Verification of Proficiency Examination	Original	yes	no	Rooney	Deborah	PhD	Northwestern University	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	A \$4.87 Model for Teaching and Assessing Basic Tube Thoracostomy Techniques	Original	no	no	Ruparel	Raaj	MD	Mayo Clinic Rochester	X											
AEI2013	A Comparison of Surgical Training Quality Between the UK and the USA	Original	yes	no	Singh	Pritam	MBBS, MA, MRCS	Imperial College London	X			X								
AEI2013	Advanced Training in Laparoscopic Abdominal Surgery (ATLAS): a Systematic Review	Descriptive	yes	no	Beyer-Berjot	Laura	MD	Imperial College London/St. Mary's Hospital	X											
AEI2013	An Interdisciplinary Boot Camp Where Interns and Nurses Learn Together	Descriptive	no	no	Bourgeois	Darlene	MSN, RN	Lahey Health System	X	X		X								
AEI2013	Crew resource management training in surgical residency programs: A survey of North American program directors	Original	no	no	Dedy	Nicholas	MD	St. Michael's Hospital/University of Toronto	X	X		X								

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AEI2013	Face, content, construct validity and learning curve in robotic surgery simulation training: results of a multicentric evaluation of dV-Trainer®	Original	yes	no	Perrenot	Cyril	MD	Lorraine University	X	X	X	X						
AEI2013	Filling a void: Developing standard subjective assessment tool for surgical simulation through systematic review of current practices	Original	no	yes	Seagull	F. Jacob	PhD	University of Michigan	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	Learning to round before rounds	Descriptive	no	no	Yi	William	MD	SITEL's Clinical Simulation Center of MedStar Health	X	X	X							
AEI2013	Perceptions of Surgical Task Trainers – What Do Trainees Prefer?	Original	no	no	Ruparel	Raaj	MD	Mayo Clinic Rochester	X	X	X	X						
AEI2013	Pilot Study Using Virtual Reality Simulation to Create a Novel Objective Test Battery of Sensory-motor Skills in Candidates for a Surgical Residency.	Work in Progress	no	no	Roitberg	Ben	MD	University of Chicago	X	X	X							
AEI2013	Preparing to Save a Life - Simulation Course for Penetrating Thoracic Trauma in a Low Volume Hospital	Descriptive	no	no	Nepomnayshy	Dmitry	MD, FACS	Lahey Health System	X	X	X							
AEI2013	Pushing the Milestone Project Further: Using X- Games (Simulation-Based Assessment) to Determine Promotional Eligibility among General Surgery Residents – A Preliminary Experience	Original	no	no	Ruparel	Raaj	MD	Mayo Clinic Rochester	X		X	X						
AEI2013	Resident Perception of Barriers to Adequate Patient Handoff	Original	no	no	Britt	Rebecca	MD	EVMS	X	X								
AEI2013	Simulation For the Assessment of Ward-based Surgical Care: Validation of the Simulated Ward and a Novel Assessment Tool	Original	no	no	Pucher	Philip	MD, MRCS	Imperial College London	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	The Effects of the Addition of a Pediatric Surgery Fellow on the Operative Experience of the General Surgery Resident	Descriptive	no	no	Raines	Alexander	MD	Oklahoma University Health Sciences Center	X			X						
AEI2013	The Process and Content of Biostatistical Consultation within Simulation	Descriptive	no	no	Heidel	Robert	PhD	UT Center for Advanced Medical Simulation/UTMCK	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	yes	AlJamal	Yazan	MD	Mayo Clinic Rochester	X	X	X	X						

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AEI2013	The Relative Contribution of Mixed Training in the Acquisition of Advanced Laparoscopic Skills	Original	no	no	Loukas	Costas	PhD	University of Athens	X											
AEI2013	The Rule of '4s': A Theory-Driven Approach to Implementing Simulation into Surgical Training	Original	yes	no	Arora	Sonal	MD, PhD	Imperial College London	X	X										
AEI2013	Thinking it Through: Correlation of Mental Rehearsal Attitudinal Gains with Performance Parameters on Two Separate Laparoscopic Cholecystectomy Trainers	Original	no	no	Paige	John	MD, FACS	LSUHSC-New Orleans	X	X										
AEI2013	Understanding Experiential Learning Styles in Residency	Original	no	no	Zigmont	Jason	PhD	OhioHealth	X		X									
AEI2013	Utilization of the Human-Worn Partial Task Surgical Simulator in Extreme environmental terrain and weather conditions.	Original	no	no	Rush	Robert	MD	Madigan Army Medical Center	X	X	X	X	X							
AEI2013	Utilization of Operating Room Simulation to Enhance Surgical Resident Participation in the Surgical Timeout Checklists	Original	no	no	Dominguez	Edward	MD	Riverside Surgical Associates	X	X	X		X							
AEI2014	A Model Curriculum of Immersive Simulation of Airway Emergencies to Enhance Professionalism in Resident Education	Work in Progress	no	no	Blood	Angela	MPH, MBA	University of Chicago	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	A Randomized Controlled Study to Evaluate the Role of Video-Based Coaching in Training Laparoscopic Skills	Original	yes	no	Singh	Pritam	MB, BS, MA, MRCS	Imperial College London	X	X	X	X	X							
AEI2014	A surgical educators armamentarium: Using Jeopardy to assess residents' retention and improvement of medical knowledge	Original	no	no	Abdelsattar	Jad	MB, BS	Mayo Clinic Rochester	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	Assessment of subjects without experience in minimal access surgery performing a suture task at da Vinci robot	Original	no	no	Moglia	Andrea	PhD	EndoCAS	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	Current Use of Surgical Simulators in Gynecology Across French Academic Schools : a National Survey	Original	yes	no	Crochet	Patrice	MD	Assistance Publique des Hôpitaux de Marseille	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						
AEI2014	Development and assessment of a simulator for open abdominal procedures: The DeepCAV	Original	no	no	St. Hilaire	Cameron		University of Washington/ISIS	X											
AEI2014	Development and implementation of a clinical pathway approach to simulation-based training for foregut surgery	Original	no	no	Miyasaka	Kiyoyuki	MD	University of Pennsylvania	X	X		X								
AEI2014	Effectiveness of Systems Changes Suggested by Simulation of Adverse Surgical Outcomes	Original	no	no	Garstka	Meghan	MD, MS	Tulane University School of Medicine	X			X	X							
AEI2014	Emergency Medical Simulation Training for the General Dental Resident	Descriptive	no	no	Young	Andrew	DDS, DNB	UT Center for Advanced Medical Simulation/UTMCK	X	X			X							

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AEI2014	Enhancing Interprofessional Collaboration through Simulation-Based Team Training in Clinical Oncology	Original	no	no	James	Ted	MD, MS, FACS	University of Vermont	X	X	X	X	X						
AEI2014	Evaluation of the Effectiveness of Self-Directed Learning Using a Take-Home Laparoscopic Simulator to Supplement Clinical Training	Original	yes	no	Elliott	Kathleen	BSc(Hon), MB, BCh, MRCS	Imperial College London	X		X		X						
AEI2014	Facilitating the Implementation of the ACS/APDS Phase III Skills Curriculum: Training Faculty in the Assessment of Team Skills	Original	yes	no	Hull	Louise	PhD	Imperial College London	X	X									
AEI2014	From the Trauma Bay to the ICU: a novel horizontal simulation curriculum for surgical residents	Original	no	no	Miyasaka	Kiyoyuki	MD	University of Pennsylvania	X	X	X	X	X						
AEI2014	Hazard Zones: For Focused Complex Laparoscopic Surgical Skills Training	Original	no	no	Louridas	Marisa	MD	University of Toronto	X	X			X						
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	Implementation and Evaluation of a Comprehensive Simulation-Enhanced Upper GI Training Curriculum in a Large Academic General Surgery Residency Training Program	Original	no	no	Zevin	Boris	MD	University of Toronto	X	X	X	X							
AEI2014	Innovative Approach to Faculty Development Utilizing Simulation	Original	no	no	Zigmont	Jason	PhD	OhioHealth	X	X			X	X					
AEI2014	Intracorporeal Suturing: Transfer from FLS to Cadavers Results in Substantial Increase in Mental Workload	Original	yes	yes	Britt	Rebecca	MD, FACS	EVMS	X	X	X								
AEI2014	Manual Dexterity and Surgical Vocation: Which Came First?-Perhaps 3D Virtual Reality Simulators May Provide a Modern Answer to an Ancient Dilemma	Original	no	no	Gangemi	Antonio	MD, FACS	UIC	X		X	X							
AEI2014	Pediatric inguinal hernia tutorial using simulation. Development and validation of clinical and surgical models	Original	yes	no	Breaud	Jean	PhD	University of Nice	X	X	X								
AEI2014	Practicality of Using Galvanic Skin Response to Measure Intra-operative Physiological Autonomic Activation in Operating Room Team Members	Descriptive	no	yes	Phitayakorn	Roy	MD, MEd	MGH	X		X		X						
AEI2014	Simulating Azygos Vein Ligation - Deliberate Practice is Invaluable	Original	no	no	Rowse	Phillip	MD	Mayo Clinic Rochester	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	Through the Looking Glass: Comparison of Self-, Peer-, and Observer-based Assessment of Students during Inter-Professional Team Training	Original	no	no	Paige	John	MD, FACS	LSUHSC-New Orleans	X	X	X	X	X						
AEI2014	Use of Error Analysis to Assess Resident Performance	Original	no	yes	Maag	Anne-Lise	MD	University of Wisconsin	X		X								
AEI2014	Video Skills Curricula and Simulation: A Synergistic Way to Teach Two-Layered Handsewn Small Bowel Anastomosis	Original	no	no	Rowse	Phillip	MD	Mayo Clinic Rochester	X	X	X								
AEI2014	Who is the Ideal Partner for the Interdisciplinary Training of Surgery Residents?	Original	no	no	Stefanidis	Dimitrios	MD, PhD, FACS, FASMBMS	Carolinas Healthcare System	X	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					

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AEI2015	A Novel Mental Skills Curriculum Minimizes Deterioration of Simulator-acquired Skill During Transfer to the Operating Room	Original	no	no	Stefanidis	Dimitrios	MD, PhD, FACS, FASMBS	Carolinas Healthcare System	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	A Stepwise Approach for Simulation-based Curriculum Development for Clinical Skills	Original	no	no	Khamis	Nehal	MD, PhD, MEd	College of Medicine, King Saud University	X	X	X	X							
AEI2015	An examination of the "seductive details effect" in acquisition and transfer of laparoscopic suturing skills	Original	yes	yes	Gardner	Aimee	PhD	UT Southwestern	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	Reihesen	Troy		University of Minnesota	X	X			X	X					
AEI2015	Comparing Mechanical Tissue Properties of Simulator, Animal, and Human Tissue	Original	no	no	Somani	Sneha	BS	University of Minnesota	X	X		X							
AEI2015	Comparing Simulators and Live tissue for life-saving hemorrhage and airway procedures: Evaluation of Critical Failures	Original	yes	no	Sweet	Robert	MD, FACS	University of Minnesota/SimPORTAL	X	X	X								
AEI2015	CORNERSTONE: Implementing Universal Patient Safety Checklist Discipline During the First Year of Medical School	Original	yes	no	Moorman	Matthew	MD, FACS	Cleveland Clinic	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	Do Teamwork and Communication Concepts Learned in the Simulated Environment Transfer to the Trauma Bay?	Original	no	no	Bourgeois	Darlene	MSN, RN	Lahey Health System	X	X	X	X							
AEI2015	Emergency Medical Simulation Training for the General Dental Resident	Original	no	no	Balderson	Chelsea	DDS, DNB	University of Tennessee Knoxville	X	X	X		X						
AEI2015	Error Tolerance: A New Psychomotor Performance Metric in Laparoscopic Surgery	Original	no	no	Gwillim	Eran	MD	University of Wisconsin	X		X								
AEI2015	Eye-Gaze Strategies Affect Performance on Arthroscopic Simulators	Original	yes	no	LeBlanc	Justin	MD, FRCS	University of Calgary (University of Toronto)	X	X	X								
AEI2015	Faculty Development Practices at ACS AEI's	Research Idea	no	no	Cooper	Jeffrey	PhD	ACS AEI Faculty Development Committee Study Paper	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	Identifying Learning Needs through Analysis of Coaching Profiles in Laparoscopic Bariatric Surgery	Original	no	no	Bonrath	Esther	MD	University of Toronto	X	X	X								
AEI2015	Immersion Team Training In Realistic Environment Improves Performance In Trauma Resuscitation	Original	no	yes	Sirratsivawong	Kris	MD	United States Medical Corps. (Naval Medical Center San Diego)	X	X	X	X	X						
AEI2015	New Longitudinal Procedure-Specific Curriculum for Minimally Invasive Surgery Skills Training and Retention	Original	no	no	Derevianko	Alexandre	MD, MA	Grainger (NorthShore University)	X	X	X								
AEI2015	Observational Learning During Simulation-based Training In Arthroscopy: Is It Useful To Novices?	Original	no	no	LeBel	Marie-Eve	MD, MHPE, FRCS	University of Western Ontario	X	X	X								
AEI2015	Patient Specific Simulation for Aortic Surgery Pre-procedural training	Original	no	no	Lachapelle	Kevin	MD, FACS, FRCS	McGill University	X	X									



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AEI2015	Preliminary results of our simulation-based experience on the management of "blue codes" and emergent open conversion in the robotic operating room	Original	no	no	Gangemi	Antonio	MD	UIC	X	X		X	X						
AEI2015	Pressurized Cadaver Flow Model (PCM): a Novel Model for Endovascular Surgical Training	Descriptive	yes	no	Ayers	Joseph	MD	Navy Medical Center San Diego	X	X									
AEI2015	Roles of Simulation in Ebola Preparedness Training	Work in Progress	no	no	Fernandez	Gladys	MD	Baystate Simulation Center	X			X	X						
AEI2015	Simulation versus Operating Room: Examining Relations between Emotional States, Learning Processes, and Technical Skills Performance across Training Environments	Work in Progress	yes	no	Duffy	Melissa	MA	McGill University	X		X								
AEI2015	Simulation-based Training for Safety Incidents: Lessons from Analysis of Adverse Events in Robotic Surgical Systems	Work in Progress	yes	no	Raman	Jaishankar	MD	Rush University Medical Center (University of Chicago)	X	X			X						
AEI2015	Student Perceptions of a Simulation-Based Surgery Clerkship Flipped Classroom	Original	no	yes	Liebert	Cara	MD	Stanford University	X	X		X	X						
AEI2015	Surgical Skills Simulation Workshops Enhance the Effectiveness of Surgical Interest Groups	Descriptive	no	no	Harmon	James	MD, PhD	University of Minnesota	X	X									
AEI2015	Teaching Professionalism in Graduate Medical Education: What is the Role of Simulation?	Work in Progress	yes	yes	Wali	Eisha	BS	Case Western	X	X		X							
AEI2015	Teaching Teamwork and Checklists Through Live 'Simulations' in the OR with Intact Care Teams Improves Buy-In	Descriptive	no	no	Zigmont	Jason	PhD	OhioHealth	X		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	The Correlation of Salivary Cortisol and Alpha Amylase in the execution of Realistic Surgical Trauma Simulation and Medical Student Training	Original	yes	no	LaPorta	Anthony	MD, FACS	Rocky Vista University School of Medicine	X	X	X	X							
AEI2015	The Creation of PGY Level Specific FLS Proficiency Benchmarks Allows for Longitudinal Tracking of Multiple General Surgery Milestones Domains	Descriptive	no	no	Spight	Donn	MD, FACS	VirtuOHSU	X	X	X								
AEI2015	The Tell-Tale Heart and Team Crisis Simulation in an In-Situ Operating Room	Original	no	no	Phitayakorn	Roy	MD, MEd, FACS	MGH	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					
AEI2016	Patient-Centered Communication for Surgical Residents: A Simulation-Based Curriculum	Original	no	no	Trickey	Amber	PhD, MS	INOVA Health System	X		X	X							
AEI2017	A Comparison of Rotation-Integration and Block-time Integration of the ACS/APDS Surgical Skills Curriculum	Work in Progress	no	no	Ormond	George	MD	University of Vermont	X	X	X	X							
AEI2017	A Comprehensive Surgical Simulation Laboratory Improves Student Preparation for Surgical Internship	Descriptive	no	no	Sundin	Andrew	MD	University of Minnesota	X	X	X								
AEI2017	Conflicting Opinions on the Use of Simulation for Nontechnical Skill Development at the Onset of Residency Training	Original	no	no	Wagner	Natalie	BSc(Hons)	McMaster University	X	X									

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AEI2017	Designing and Evaluating an Interpersonal and Communication Skills Curriculum Incorporating ACGME General Surgery Milestones: Opportunities and Challenges in Simulation-Based Approaches	Work in Progress	no	no	Huffstutter	Paul	MD, FACS	UTCAMS	X	X	X	X						
AEI2017	Development of Amputation Training Model for Surgical Skills Workshops	Original	no	no	Anwer	Shumaila	MS	University of Minnesota	X		X							
AEI2017	Development of In-Situ Simulation Lab for Training Gynecology Residents in Basic Laparoscopic and Hysteroscopic Operative Skills	Descriptive	no	no	Molina	Maria	MD	San Antonio Military Medical Center	X	X								
AEI2017	Improving cross specialty recognition of atypical skin lesions through experiential learning	Other	no	no	Garon	Jeffrey	MD, BA	Conemaugh Memorial Hospital	X	X			X					
AEI2017	Mentorless Training Program Results in Significant Improvement in Students' Surgical Skills	Research Idea	no	no	Leong	Michelle	BS	Grainger/Northshore	X									
AEI2017	Modeling Operative Thinking in a Simulation-Based Continuing Medical Education Course on Laparoscopic Hernia Repair	Original	no	no	Ruis	Andrew	PhD	University of Wisconsin	X									
AEI2017	Multiple Simulation Modalities Enhanced a Preparation for Surgical Internship Course	Original	no	no	Bauman	Brent	MD	University of Minnesota	X	X								
AEI2017	Point-of-care Bedside Ultrasound Training: Expansion within a Surgical Internship Preparation Curriculum	Descriptive	no	no	Vakayil	Victor	MB, BS	University of Minnesota	X	X	X	X						
AEI2017	Sepsis Training using Interactive Virtual Reality (IVR)	Original	yes	no	Sankaran	Naveen Kumar	MS	University of Illinois-Urbana	X	X	X	X						
AEI2017	Simulated Trauma and Procedural Training in a Collaborative Human Cadaver Lab Integrating Emergency Medicine and General Surgery Residents: Effectiveness and Outcomes	Original	yes	no	Esparaz	Joe	MD	University of Illinois, Peoria	X									
AEI2017	The Translation of Simulation-Based Sharps Safety Education to Clinical Surgical Practices	Work in Progress	no	no	Klar	Melinda	RN	UTCAMS	X			X	X					
AEI2017	The Use of Virtual Reality Simulators in Laparoscopic Colectomy Training	Original	no	no	Mavrantonis	Konstantinos	MD, PhD, FACS	Hygeia Hospital	X	X		X						
AEI2017	Using 3-D Anatomy Models Facilitates Cross-sectional Radiological Anatomy Learning for Surgery Residents: a randomized controlled crossover trial	Work in Progress	no	no	Cardenas	Francisco	MD	Mayo Clinic Rochester	X	X	X							
AEI2018	A Robotic Surgical Curriculum for Chief Resident Exposure and Experience	Poster Presentation	no	no	Meara	Michael	MD, FACS	The Ohio State University Wexner Medical Center	X	X		X						
AEI2018	ACS Fundamentals of Surgery Curriculum®: Using Cognitive Simulation to Develop Critical Thinking Skills in Residents	Poster Presentation	no	no	Hebert	James	MD, FACS	American College of Surgeons	X	X								
AEI2018	Competence-based Mastery Learning for Chest Tube Placement: A Study of Anxiety, Confidence, and Performance	Original Paper	no	yes	Velic	Andrew	BS	UWSMPH	X	X								
AEI2018	Development and Early Evaluation of a Web-based Pediatric Craniofacial Simulation Course Utilizing a 3D-Printed Surgical Simulator	Innovative Techniques	no	no	Reighard	Chelsea	MS	University of Michigan	X	X		X						

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AEI2018	Development of a sustainable simulation-based training curriculum in a community-based teaching program: scenarios, benefits, and implications.	Poster Presentation	yes	no	Ahuja	Vanita	MD, MPH, MBA	Sinai Hospital of Baltimore	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					
AEI2018	Efficacy of Simulation-Based Training for Laparoscopic Intraoperative Cholangiography	Innovative Techniques	no	no	Sbrocchi	Tyler	MD	Riverside Methodist Hospital	X	X										
AEI2018	Enhancing Computer-Based Central Line Training for Surgery Residents Across Two Training Programs	Poster Presentation	no	no	Held	Jenny	MD	Naval Medical Center Portsmouth	X											
AEI2018	Evaluating the Quality of Video-taped Debriefings after Simulation Team Training	Original Paper	yes	yes	Paige	John	MD	LSUHSC SCHOOL OF MEDICINE	X											
AEI2018	Facilitating Accurate Team Self-Assessments: Can Simulation Play a Role?	Original Paper	yes	no	Gardner	Aimee	PhD	Baylor College of Medicine	X		X									Teamwork
AEI2018	Implementation and Evaluation of a Comprehensive Proficiency-Based Upper GI Curriculum: A Multi-Institutional Canadian Experience	Poster Presentation	yes	no	Zevin	Boris	MD, PhD, FRCS	Queen's University	X	X										
AEI2018	Knot Tying: Transforming Novice to Proficient Performance in less than 60 minutes. Can it be done?	Poster Presentation	no	no	Baloul	Mohamed	MBBS	Mayo Clinic Rochester	X		X									
AEI2018	Laparoscopic Repair of Perforated Peptic Ulcers: A Low Fidelity Simulator and Training Curriculum for Surgical Skill Development	Poster Presentation	no	no	Cox	Kristen		University of Minnesota	X											
AEI2018	One's SIM trash is another's SIM treasure: SimPortal experience in the building of a percutaneous gastrostomy (PEG) skill trainer.	Poster Presentation	no	no	Molina	Marcos	MD	University of Minnesota	X											
AEI2018	Teaching Practicing Surgeons What Not to Do: An Analysis of Instructor Coaching Fluidity During a Simulation Based CME Course	Poster Presentation	yes	yes	Godfrey	Martha	MD	University of Wisconsin, Madison	X											
AEI2018	The Role of Posture Assessment Tools in Identifying Trainees' Postures during Surgical Simulation	Original Paper	yes	no	Curry	Christopher		University of Minnesota/Mayo Clinic	X		X									
AEI2018	The Successful Integration of a Non-Clinical Skills Curriculum into Surgery Intern Boot Camp	Original Paper	no	no	Zoghbi	Veronica	MD	UPENN	X											
AEI2018	The Use of a Virtual Reality Trauma Simulation to Teach Team Roles and Communication	Innovative Techniques	yes	no	Sisley	Amy	MD	Banner University Medical Center	X											
AEI2018	Tissue Morcellation: A Simulation Curriculum for Gynecology Residents	Poster Presentation	yes	no	Delgado	Stephanie	MD	Boston Medical Center	X	X										
AEI2018	Towards Surgeon-Authored VR Training: the Authoring Interface	Poster Presentation	yes	no	Sarosi	George	MD	University of Florida	X											Surgeon-Authored VR Training
AEI2018	Ultrasound guidance training enhancement using Instrument tracking	Poster Presentation	no	no	Sheth	Nihar		UIC	X											
AEI2018	Utilizing Brain Stimulation to Enhance Laparoscopic Technical Skills Training: A Randomized Controlled Trial	Innovative Techniques	yes	no	Cox	Morgan	MD, MHS	Duke University	X											
AEI2018	Validation of a Low-cost Ultrasound Compatible Suprapubic Catheter Insertion Training Model	Poster Presentation	no	no	Wang	Yuding	MD	McMaster University	X											

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AEI2018	Will eye tracking video feedback enhance simulator performance?	Poster Presentation	yes	no	Castegren	Markus	MD, PhD	Karolinska University Hospital	X											