

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
AEI2008	Automated and Centralized Simulation Data Repository	NA	no	no	Shim	Woojin		University of Michigan	X										
AEI2008	The Cognitive Side of Surgery	NA	no	no	Pugh	Carla	MD, PhD, FACS	Northwestern University	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 Program.	Original	no	no	Chandrakaladhar	Ben Selvan	MS	Penn Medicine Clinical Simulation Center	X	X	X	X							
AEI2010	A Novel Basic Open Technical Skills Curriculum with Self- and Expert-administered Assessment Tools	Descriptive	no	no	Wright	Andrew	MD, FACS	University of Washington/ISIS	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	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	Deconstructing Laparoscopic Competence in a Virtual Reality Simulation Environment	Original	no	yes	Loukas	Costas	PhD	University of Athens	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	Endovascular Procedure Simulation as an Assessment Tool for Vascular Surgeons	Non-AEI	yes	no	Dawson	David	MD, FACS	UC Davis	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	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	Proving the Value of Secondary Task Metrics for Performance Assessment on Surgical Simulators	Original	yes	no	Stefanidis	Dimitrios	MD, PhD, FACS	Carolinas Healthcare System	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 distance education: practice and challenges	Original	no	no	Koval	Valentyna		CESEI	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	The Current Educational Value of Morbidity & Mortality Conference	Original	no	no	Mitchell	Erica	MD, FACS	VirtuOHSU	X			X							

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research									
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other
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 innovative use of consensus methodology to develop a technical skills evaluation tool.	Descriptive	no	no	Palter	Vanessa	MD	University of Toronto	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	When Do Physicians Learn Invasive Clinical Skills?	Original	no	no	Berg	Katherine	MD	Thomas Jefferson University	X			X						
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	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	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	Design and Validation of a Surgical Skills Assessment Tool for Laparoscopic Roux-en-Y Gastric Bypass	Work in Progress	yes	no	Zevin	Boris	MD	University of Toronto	X	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					
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				

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
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	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	Residents' Perspectives on the Value of Simulation in a General Surgery Residency Curriculum	Original	yes	yes	Wehbe-Janek	Hania	PhD	Texas A&M / Scott and White	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	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					
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	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	Use of decision based simulation to explore shared mental models in the operating room	Original	no	no	Pugh	Carla	MD, PhD	Northwestern University	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	A comparison of self versus external assessment for technical tasks in surgery.	Descriptive	no	no	Zevin	Boris	MD	University of Toronto	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	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								
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	Characteristics in Response Rates for Surveys Administered to Surgical Residents	Original	no	yes	Yarger	John	MD	University of Vermont	X	X		X							
AEI2012	Creating the Pre-Trained Novice: A Structured Central Venous Catheterization Curriculum	Original	no	no	Figuredo	Edgar	MD	University of Washington/ISIS	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-Irizarry	Roberto	BS	Mayo Clinic Rochester	X	X	X	X							

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
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	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	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	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	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 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	yes	Korndorffer, Jr.	James	MD, MHPE, FACS	Tulane University School of Medicine	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	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	Assessing the Validity and Reliability of Two GME Performance Assessment Tools for CME	Original	yes	no	Pugh	Carla	MD, PhD, FACS	University of Wisconsin	X										
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	French language adaptation of the O.S.A.T.S score for a technical skills : methodology and preliminary results of the score adaptation	Research Idea	yes	no	Breaud	Jean	PhD	University of Nice	X										
AEI2013	Fundamentals of Laparoscopic Surgery Manual Test: Is videotaped performance assessment an option?	Work in Progress	no	no	Rooney	Deborah	PhD	University of Michigan	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					

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
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	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	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	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 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							
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	Using Video Motion Analysis to Quantify Technical Performance	Original	yes	yes	Glarner	Carly	MD	University of Wisconsin	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 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							

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research											
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other		
AEI2014	A Video-based Method for Assessing Proctors' Scoring of the Fundamentals of Laparoscopic Surgery (FLS) Manual Skills Exam	Original	no	no	Rooney	Deborah	PhD	University of Michigan	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	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	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	Escalation of Care in Surgery: a Systematic, Pro-active Risk Assessment of Clinical Supervision	Original	no	no	Johnston	Maximilian	MB, BCh	Imperial College London	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	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	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	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	Methods for Increasing the Internal Validity of Assessment in Simulation: Lessons Learned in the Applied Perioperative Surgical Simulation Environment	Descriptive	no	no	Heidel	Robert	PhD	UT Center for Advanced Medical Simulation/UTMCK	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	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					

AEI Consortium Abstracts Since 2008
Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
AEI2014	Surgical Skill Performance Prediction: Application of a Cognitive Model to Laparoscopic Skill Retention Simulation Training	Original	yes	no	Jastrzembki	Tiffany	PhD	Air Force Research Laboratory/Wright-Patterson AFB	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	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, FASMBS	Carolinas Healthcare System	X	X	X	X	X						
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	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	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	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, FRCSC	University of Calgary (University of Toronto)	X	X	X								
AEI2015	I Have to Learn Laparoscopic Latero-Lateral Small Bowel Anastomosis: How Long Will it Take?	Original	no	no	Manuel-Palazuelos	Carlos	MD, PhD	Hospital virtual Valdecilla	X		X			X					

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research									
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other
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	Siriratsivawong	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, FRCSC	University of Western Ontario	X	X	X							
AEI2015	Optimizing the selection of general surgery residents: a national consensus	Original	yes	no	Louridas	Marisa	MD	University of Toronto	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	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	The Utility of Electronic Tablets in ATLS Skills Evaluation	Descriptive	yes	no	Chotiner	Marie	BA	CAMLS	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	A Flexible Platform for Building Cumulative Milestone-Based Surgical Resident Portfolios	Descriptive	no	no	Khatri	Avni	BS	MGH	X	X		X						
AEI2016	A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures	Original	no	no	Gower	Jonathan	MD	Naval Med Ctr San Diego	X			X						
AEI2016	A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures	Original	no	no	Sevak	Shrunti	MD	Beaumont Health System	X			X						
AEI2016	An interactive multicenter multi-national virtual grand rounds for ACS AEI	Original	yes	no	George	Ivan		Anne Arundel	X			X						
AEI2016	Cadaveric Dissection vs. Homemade Model: What is the Best Way to Teach Endoscopic Totally Extraperitoneal Inguinal Hernia Repair?	Original	no	no	AlJamal	Yazan	MB, BS	Mayo Clinic Rochester	X			X						

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
AEI2016	Comparison of FLS Tasks When Training on Standard FLS Platform Versus an Ergonomically Different Platform	Original	no	no	Haviland	Sarah	BS	Walter Reed/Uniformed Svc	X			X							
AEI2016	CPR Devices & Impact on Infant Chest Compressions	Original	no	no	Spalding	Carmen	PhD	Naval Med Ctr San Diego	X			X							
AEI2016	Do Non-Technical Skills Improve with Technical Skills Training? A Comparison of Non-Technical Skills Rating and Operative Performance Rating in Simulation	Original	no	no	Raghavendra	Rao	MD	University of Pennsylvania	X	X		X							
AEI2016	Does Musical Instrument Experience Correlate With Higher Performance On The Robot Simulator?	Original	no	no	Gangemi	Antonio	MD, FACS	UIC	X			X							
AEI2016	Efficacy of a simulation-based training program for improving the communication skills of general surgery and obstetrics and gynecology residents	Original	no	no	Nguyen	Ngan	PhD	Ohio Health	X			X							
AEI2016	Evaluation of a Multispecialty, Self-Directed, Simulation-based Learning Program	Original	no	no	Rooney	Deborah	PhD	University of Michigan	X			X							
AEI2016	Faculty perceptions of barriers to completing surgical resident assessments: A multi-institutional qualitative needs assessment	Original	no	no	Mazer	Laura	MD	Stanford University	X			X							
AEI2016	Gelatin paravertebral spine model – A practical design for training general surgery resident's basic skills in placement of a continuous infusion catheter	Original	no	no	Sevak	Shruti	MD	Beaumont Health System	X			X							
AEI2016	Innovations In 3D Modeling And Surgical Planning In General Surgery	Work in Progress	no	no	Andolfi	Ciro	MD	University of Chicago	X			X	X						
AEI2016	Interprofessional Collaboration Facilitates Enhancements of a Preparation for Internship Curriculum	Original	no	no	Bauman	Brent	MD	University of Minnesota	X	X		X							
AEI2016	Inter-professional Education and Simulation to Improve Knowledge Retention of CAUTI	Original	no	no	Graling	Paula	DNP, RN	INOVA Health System	X	X		X							
AEI2016	Loss of skill retention of Intra-osseous catheter placement among residents over time	Original	no	no	Chung	Rex	MD	Cedars Sinai	X	X		X							
AEI2016	Measuring the Tools of the Future: How Will We Tell the Effectiveness of Training	Original	yes	no	LaPorta	Anthony	MD, FACS	Rocky Vista University School of Medicine	X	X		X	X						
AEI2016	Oh, The Stress of Simulation! Role of Skin Conductance as A Stress Indicator in Surgical Education.	Work in Progress	no	no	Mohan	Monali	MD	Mayo Clinic Rochester	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							
AEI2016	Pilot Testing of a Simulation Based Model for Suture Repair of Laparoscopic Bleeding	Original	no	no	McClintic	James	MS	UTMB	X			X							
AEI2016	Pooling Resources: Creation of a Surgical Bootcamp that Straddles Specialty Lines	Original	no	no	Bachman	Sharon	MD, FACS	INOVA Health System	X			X							
AEI2016	Safe Adoption Of Robotic Training In Residency With a Fundamentals Of Robotic Surgery Curriculum -A 5 Year Experience In a Military Institution	Original	no	no	Albert	Alwin	MD	Naval Med Ctr San Diego	X	X		X							
AEI2016	Self/Peer Resident Assessment of the Basics of Open Laparotomy Training (BOLT) on a Simulated Abdominal Model	Original	no	no	Fazendin	Jessica	MD	Drexel University	X			X							
AEI2016	Serving Up Your Service: How Can YOU Assess Your Trainees?	Descriptive	no	no	Gas	Becca	BS	Mayo Clinic Rochester	X	X		X							

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research											
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other		
AEI2016	Solid, cystic and tubular – A compact gelatin-training model for teaching basic skills in ultrasound-guided procedures to general surgery residents	Original	no	no	Sevak	Shrunti	MD	Beaumont Health System	X				X							
AEI2016	The Effects of a Retention Interval and Refresher Session on Intracorporeal Suturing Skill and Mental Workload	Original	yes	yes	Britt	Rebecca	MD, FACS	EVMS	X				X							
AEI2016	Trainee Impressions of Instructor Expertise in Surgical Simulation and Education	Original	no	no	Pandian	TK	MD, MPH	Mayo Clinic Rochester	X	X			X							
AEI2016	Video Analysis of Path Length in Basic Skills Training: A Way to Expand the Value and Use of Basic Skills BlackBox Training?	Original	yes	no	Enochsson	Lars	MD, PhD	Karolinska University Hospital	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	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	Intensive, Integrated Pre-clinical Surgical Immersion Curriculum for Early Exposure to Surgery	Work in Progress	no	no	Hasty	Brittany	MD	Stanford University	X	X										
AEI2017	Performance on a Physical Endoscopic Simulation Platform Predicts Performance on the Fundamentals of Endoscopic Surgery (FES) Manual Skills Exam	Original	yes	no	Taylor	Zachary	DO	USU	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	Simulation-based Multiple Mini-interviews vs. Traditional Interviews in the Postgraduate Year 1 Cardiac Surgery Residency Program Selection Process	Original	no	no	Ibrahim	Marina	MD	McGill University	X											
AEI2017	Successful Computerizing the ATLS® Post-Test: Outcome of an AEI Multisite Study	Original	yes	no	Telford	Britany	BS	CAMLS	X	X										
AEI2017	The Development and Implementation of a Pressurized Cadaver Simulation Curriculum	Descriptive	no	no	Minneti	Michael	BS	USC	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									
AEI2017	Using Epistemic Network Analysis to Identify Targets for Educational Interventions in Trauma Team Communication	Original	no	yes	Sullivan	Sarah	PhD	University of Wisconsin	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	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									

AEI Consortium Abstracts Since 2008

Abstracts By Research Category - Learner Evaluations

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	Categories of Research										
									Learner Evaluations	Curriculum Development	Teaching Methods	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
AEI2018	Laparoscopic Peg Transfer Simulation Tasks with Two Difficulty Levels: Analysis of Two Years Interns' Performance and Workload	Original Paper	yes	no	Abdelrahman	Amro	MBBS	Mayo Clinic Rochester	X										
AEI2018	Low Fidelity Materials Yield High Resolution Assessment of Anatomical Knowledge...Really?	Original Paper	no	yes	Saleem	Humza	MD	Mayo Clinic Rochester	X	X									
AEI2018	Microsurgical Skills Training Course: The Effect on Microsurgery Trainees' Confidence and Workload	Poster Presentation	no	no	Mohan	Anita	MBBS	Mayo Clinic Rochester	X										
AEI2018	Performance Variability During Training on Simulators Predicts Skill Transfer	Original Paper	yes	yes	Martin	John	MD	Indiana University	X										Performance Assessment
AEI2018	Surgery Tutor – An Open Source Platform for Assessment of Technical Proficiency: A Validation Study in a Simulated Setting	Poster Presentation	no	no	Yeo	Caitlin	MD	Queen's University	X										
AEI2018	Surgical Interns in 2017: Objective Assessment Suggests they are Better but Still DANGEROUS	Original Paper	no	yes	AlJamal	Yazan	MD	Mayo Clinic Rochester	X			X							
AEI2018	The Educational Value of the da Vinci Skills Simulator at a Regional Medical Center	Poster Presentation	no	no	Heidel	Robert	PhD	University of Tennessee	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	Video Training Works for Professional Sports, Might it be Effective in Training Resident Eyes and Minds for the OR?	Poster Presentation	no	no	Prabhakar	Nicholas	BA	Mayo Clinic Rochester	X										