

AEI Consortium Abstracts Since 2008
Abstracts by Institute

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

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Institute	Abstract Year	Abstract Title	Type of Abstract	Multi-Institutional Study	Manuscript Published in Surgery	First Name	Last Name	Credentials	Categories of Research									
									Curriculum Development	Teaching Methods	Learner Evaluations	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other
ACS AEI Curriculum Committee Study Paper	AEI2013	The Future of Surgical Training: National Needs Assessment of Stakeholders	Original	yes	yes	Sara	Kim	PhD	X			X	X					
ACS AEI Faculty Development Committee Study Paper	AEI2015	Faculty Development Practices at ACS AEI's	Research Idea	no	no	Jeffrey	Cooper	PhD	X	X								
Air Force Research Laboratory/Wright-Patterson AFB	AEI2014	Surgical Skill Performance Prediction: Application of a Cognitive Model to Laparoscopic Skill Retention Simulation Training	Original	yes	no	Tiffany	Jastrzembki	PhD	X		X							
American College of Surgeons	AEI2018	ACS Fundamentals of Surgery Curriculum®: Using Cognitive Simulation to Develop Critical Thinking Skills in Residents	Poster Presentation	no	no	James	Hebert	MD, FACS	X	X								
Anne Arundel	AEI2016	An interactive multicenter multi-national virtual grand rounds for ACS AEI	Original	yes	no	Ivan	George				X	X						
Anne Arundel	AEI2017	First Year of Virtual Grand Rounds: A Report from the Technologies and Simulation	Original	yes	no	Ivan	George											
Arkansas Neuroscience Institute	AEI2016	"Live Cadaver" A realistic training model for practicing neurovascular procedures & Enhancing surgical skills	Descriptive	no	no	Emad	Aboud	MD										
Assistance Publique des Hopitaux de Marseille	AEI2015	Development of an evidence-based virtual reality training curriculum for laparoscopic hysterectomy	Original	yes	no	Patrice	Crochet	MD	X		X			X				
Assistance Publique des Hopitaux de Marseille	AEI2014	Current Use of Surgical Simulators in Gynecology Across French Academic Schools : a National Survey	Original	yes	no	Patrice	Crochet	MD		X								
Banner University Medical Center	AEI2018	The Use of a Virtual Reality Trauma Simulation to Teach Team Roles and Communication	Innovative Techniques	yes	no	Amy	Sisley	MD		X								
Baylor College of Medicine	AEI2018	Facilitating Accurate Team Self-Assessments: Can Simulation Play a Role?	Original Paper	yes	no	Aimee	Gardner	PhD		X	X							Teamwork
Baystate Health	AEI2017	Macrosystem Simulations in a New Hospital Facility	Original	no	no	Gladys	Fernandez	MD										
Baystate Medical Center	AEI2009	Development of high-fidelity simulated human tissue for surgical residency training	NA	no	no	Gladys	Fernandez	MD							X			
Baystate Simulation Center	AEI2015	Roles of Simulation in Ebola Preparedness Training	Work in Progress	no	no	Gladys	Fernandez	MD		X		X	X					
Beaumont Health System	AEI2010	Assembling the Puzzle that is Surgical Education: A Look at a Proficiency-Based Knot-Tying and Suturing Curriculum	Research Idea	no	no	S	Nagar	MD	X	X	X							
Beaumont Health System	AEI2010	Surgical In-situ Simulations	Work in Progress	no	no	William	Hamman	MD, PhD	X	X		X						
Beaumont Health System	AEI2010	The Missing Link: Integrating the Patient Population with Surgical Education through Web-based Training and In-situ Simulation®	Research Idea	no	no	William	Hamman	MD, PhD	X	X		X	X					
Beaumont Health System	AEI2010	Using Deliberate Practice to Train Higher-Order Skills in Laparoscopic Surgery	Work in Progress	yes	no	Jeffrey	Beaubien	PhD	X	X	X		X	X				
Beaumont Health System	AEI2011	Data-Driven Optimization of Surgeon Skills for Enhanced Training, Simulation, and Assessment	Work in Progress	yes	no	Noaman	Ali	MD		X								

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Beaumont Health System	AEI2011	Toward the Development of an Observer-Based Tool for Assessing, Debriefing, and Trending Higher-Order Skills During Laparoscopic Surgery	Original	no	no	Charles	Shanley	MD, FACS	X	X	X							
Beaumont Health System	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	Noaman	Ali	MD	X	X	X		X					
Beaumont Health System	AEI2012	Barriers to the Adoption of the ACS/APDS Skills Curriculum	Original	no	yes	Patricia	Pentlak	MD	X	X								
Beaumont Health System	AEI2014	A Novel Educational Module for Subclavian Venous Catheter Placement Using Ultrasound Guidance	Original	no	no	Andrew	Bayci	MD	X	X			X	X				
Beaumont Health System	AEI2016	A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures	Original	no	no	Shrunti	Sevak	MD			X	X						
Beaumont Health System	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	Shrunti	Sevak	MD			X	X						
Beaumont Health System	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	Shrunti	Sevak	MD			X	X						
Boston Medical Center	AEI2018	Tissue Morcellation: A Simulation Curriculum for Gynecology Residents	Poster Presentation	yes	no	Stephanie	Delgado	MD	X	X								
CAMLS	AEI2015	The Utility of Electronic Tablets in ATLS Skills Evaluation	Descriptive	yes	no	Marie	Chotiner	BA			X	X						
CAMLS	AEI2017	Successful Computerizing the ATLS® Post-Test: Outcome of an AEI Multisite Study	Original	yes	no	Britany	Telford	BS	X		X							
CAMST	AEI2018	Simulation based teamwork training can reduce barriers between surgery and anesthesia - focus group interviews with experienced OR staff	Poster Presentation	no	no	Cecilia	Escher	MD					X					
Carolinas Healthcare System	AEI2009	Increased Stress Levels May Explain the Incomplete Transfer of Simulator-Acquired Skill to the Operating Room	NA	no	yes	Dimitrios	Stefanidis	MD, PhD, FACS						X				
Carolinas Healthcare System	AEI2009	Lessons Learned from 10-year Experience with Postgraduate Courses for Surgeons	NA	no	no	Dimitrios	Stefanidis	MD, PhD, FACS							X			
Carolinas Healthcare System	AEI2010	Deficiencies of the Surgical Curriculum Exposed	Original	no	no	Paul	Montero	MD	X	X	X	X						
Carolinas Healthcare System	AEI2010	Proving the Value of Secondary Task Metrics for Performance Assessment on Surgical Simulators	Original	yes	no	Dimitrios	Stefanidis	MD, PhD, FACS			X							
Carolinas Healthcare System	AEI2011	Assessing the Value of the State Trait Anxiety Inventory for the Assessment of Intraoperative Stress Associated with Skill Transfer	Original	no	no	Dimitrios	Stefanidis	MD, PhD	X	X								
Carolinas Healthcare System	AEI2012	Cadavers versus Pigs: Which are Better for Procedural Training of Surgery Residents Outside the OR?	Original	no	yes	Dimitrios	Stefanidis	MD, PhD, FACS	X	X	X							

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Carolinas Healthcare System	AEI2014	Who is the Ideal Partner for the Interdisciplinary Training of Surgery Residents?	Original	no	no	Dimitrios	Stefanidis	MD, PhD, FACS, FASMBS	X	X	X	X	X					
Carolinas Healthcare System	AEI2015	A Novel Mental Skills Curriculum Minimizes Deterioration of Simulator-acquired Skill During Transfer to the Operating Room	Original	no	no	Dimitrios	Stefanidis	MD, PhD, FACS, FASMBS	X	X	X							
Carolinas Healthcare System	AEI2015	Developing a Coaching Mechanism for Practicing Surgeons	Original	no	yes	Dimitrios	Stefanidis	MD, PhD, FACS, FASMBS	X	X	X		X	X				
Carolinas Healthcare System	AEI2016	Mental Practice Enhances Retention of Simulator-Acquired Surgical Skill: Results of a Randomized Controlled Trial	Original	no	no	Dimitrios	Stefanidis	MD, PhD, FACS, FASMBS										
Case Western	AEI2015	Teaching Professionalism in Graduate Medical Education: What is the Role of Simulation?	Work in Progress	yes	yes	Eisha	Wali	BS	X	X		X						
Cedars Sinai	AEI2016	Loss of skill retention of Intra-osseous catheter placement among residents over time	Original	no	no	Rex	Chung	MD	X		X	X						
CENTER FOR ADVANCED MEDICAL LEARNING AND	AEI2019	Introducing Tattoos to Advanced Trauma Life Support (ATLS): A Process Improvement Initiative	Poster Presentation	no	no	Luis	Llerena	MD, FACS				X						
Center for Medical Simulation	AEI2009	A Six-part Program for Teamwork Improvement in Surgery	Work in Progress	yes	no	Jeffrey	Cooper	PhD								X		
CESEI	AEI2010	Investigating of Surgeon's Vigilance on Patient's Condition Using Eye-Tracking Techniques	Original	yes	no	Bin	Zheng	PhD			X		X	X				
CESEI	AEI2010	Quantifying Surgeon's Contribution to Team Effectiveness on a Mixed Team with a Junior Surgeon	Original	yes	yes	Bin	Zheng	PhD	X		X			X				
CESEI	AEI2010	Simulation-based distance education: practice and challenges	Original	no	no	Valentyna	Koval		X	X	X	X						
CESEI	AEI2011	Enlarging the Scope of ACS Accredited Education Institutes for Learners in Different Disciplines	Descriptive	no	no	Bin	Zheng	MD, PhD	X	X								
CESEI	AEI2011	Mastering Instruments at Hands before Operating on Patient - Role of Simulation in Training of Tool Use Skills	Original	no	no	Bin	Zheng	MD, PhD						X				
Cleveland Clinic	AEI2015	CORNERSTONE: Implementing Universal Patient Safety Checklist Discipline During the First Year of Medical School	Original	yes	no	Matthew	Moorman	MD, FACS	X	X		X	X					
Cleveland Clinic	AEI2017	Simulation Training Improves Surgical Resident Comfort with Airway Management	Original	no	no	Kaitlin	Ritter	MD	X									
Cleveland Clinic	AEI2019	Resident Opinions of the Value and Optimal Content of a Technical Skills Curriculum using Simulation	Poster Presentation	no	no	Robert	Naples	DO	X									
College of Medicine, King Saud University	AEI2015	A Stepwise Approach for Simulation-based Curriculum Development for Clinical Skills	Original	no	no	Nehal	Khamis	MD, PhD, MEd	X	X	X	X						
Conemaugh Memorial Hospital	AEI2012	Acquisition of New Skills By Novices: Effect of Three Different Instructional Methods	Original	no	no	James	Gregory	MD	X	X	X							
Conemaugh Memorial Hospital	AEI2012	Differences Between Resident Specialties, Education & Faculty: Results of an All GME Resident Boot Camp	Original	no	no	James	Gregory	MD	X	X	X		X	X				

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Conemaugh Memorial Hospital	AEI2017	Improving cross specialty recognition of atypical skin lesions through experiential learning	Other	no	no	Jeffrey	Garon	MD, BA	X	X				X						
CSTAR	AEI2016	Direct Anterior Approach THA Course Curriculum: An Interprofessional and Experiential Learning Model	Work in Progress	no	no	Lara	Murphy	DPM, BSc(Hons)	X											
Drexel University	AEI2016	Self/Peer Resident Assessment of the Basics of Open Laparotomy Training (BOLT) on a Simulated Abdominal Model	Original	no	no	Jessica	Fazendin	MD			X	X								
Duke University	AEI2017	Instituting a Surgical Skills Competition Increases Technical Performance of Surgical Clerkship Students Over Time	Original	no	no	Harold	Leraas	MA, BS	X											
Duke University	AEI2018	Utilizing Brain Stimulation to Enhance Laparoscopic Technical Skills Training: A Randomized Controlled Trial	Innovative Techniques	yes	no	Morgan	Cox	MD, MHS		X										
Duke University	AEI2019	Implementation of the Structured Training for Endovascular Techniques (STENT) Curriculum	Poster Presentation	no	no	Morgan	Cox	MD, MHS	X											
Duke University Medical Center	AEI2008	Collaboration: Key to the Evolution of Surgical Education	NA	no	no	Marnelle	Alexis	EdD		X										
Duke University Medical Center	AEI2011	Augmenting Technical Skills Training Through Applications of Video, Neuro-feedback and Guided Imagery Training	Original	no	no	Ranjan	Sudan	MD		X										
Dwight D. Eisenhower Army Medical Center/Fort Gordon	AEI2014	Skills Degradation of Seasoned General Surgeons Subjected to Gaps in Standard Practice Patterns Due to Combat Deployments	Original	yes	no	Yong	Choi	MD, FACS			X			X	X					
EndoCAS	AEI2014	Assessment of subjects without experience in minimal access surgery performing a suture task at da Vinci robot	Original	no	no	Andrea	Moglia	PhD	X	X	X									
EndoCAS	AEI2016	Does previous exposure to videogames and/or practice with musical instruments influence performance on a virtual simulator for robot-assisted surgery?	Original	no	no	Andrea	Moglia	PhD												
EndoCAS	AEI2017	Proficiency gain curve and skills retention at a virtual simulator for robot-assisted surgery: a blind study	Original	no	no	Andrea	Moglia	PhD												
EVMS	AEI2011	Anatomy-focused videos to supplement surgical curriculum	Descriptive	no	no	Anjali	Arora	MD	X	X	X			X	X					
EVMS	AEI2013	Resident Perception of Barriers to Adequate Patient Handoff	Original	no	no	Rebecca	Britt	MD	X	X										
EVMS	AEI2014	Intracorporeal Suturing: Transfer from FLS to Cadavers Results in Substantial Increase in Mental Workload	Original	yes	yes	Rebecca	Britt	MD, FACS	X	X	X									
EVMS	AEI2016	The Effects of a Retention Interval and Refresher Session on Intracorporeal Suturing Skill and Mental Workload	Original	yes	yes	Rebecca	Britt	MD, FACS			X	X								
Grainger (NorthShore University)	AEI2015	Dedicated Two Week Proficiency-based Simulation Curriculum for Surgical Residents	Work in Progress	no	no	Ryota	Tanaka	MD, PhD	X	X	X				X					
Grainger (NorthShore University)	AEI2015	New Longitudinal Procedure-Specific Curriculum for Minimally Invasive Surgery Skills Training and Retention	Original	no	no	Alexandre	Derevianko	MD, MA	X	X	X									
Grainger/NorthShore	AEI2016	Operation room fire simulation study effectively prepares operating room staff for fire	Original	no	no	Tomokazu	Kishiki	MD, PhD												

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Grainger/Northshore	AEI2017	Mentorless Training Program Results in Significant Improvement in Students' Surgical Skills	Research Idea	no	no	Michelle	Leong	BS		X									
Hartford Hospital	AEI2009	Advanced Trauma Operative Management Course: An Exemplar of Simulation Education Scenario Development	NA	no	no	Lenworth	Jacobs, Jr.	MD, MPH, FACS								X			
Hospital for Special Surgery	AEI2019	Surgical Games: A Simulation-Based Structured Assessment of Orthopaedic Surgery Resident Technical Skill	Original Paper	no	no	Jason	Blevins	MD	X		X								Surgical skills assessment and simulator training
Hospital virtual Valdecilla	AEI2015	I Have to Learn Laparoscopic Latero-Lateral Small Bowel Anastomosis: How Long Will it Take?	Original	no	no	Carlos	Manuel-Palazuelo	MD, PhD		X	X			X					
Houston Methodist Hospital	AEI2019	A Review of Checklist Tools for the Assessment of Central Venous Catheter Insertion: Are We Using Best Practices?	Poster Presentation	no	no	John	Nguyen-Lee	MD			X			X					
Houston Methodist Hospital & University of Utah	AEI2019	Simulation Training for Endoscopic Management of Upper Gastrointestinal Bleeding: A Nationwide Survey of Rural Surgeons' Needs and Preferences Analysis	Original Paper	yes	no	Shawn	Purnell	MD		X									
Hygeia Hospital	AEI2017	The Use of Virtual Reality Simulators in Laparoscopic Colectomy Training	Original	no	no	Konstantinos	Mavrantonis	MD, PhD, FACS	X	X		X							
Imperial College London	AEI2008	A Multi-Disciplinary Approach to Innovation in Surgical Education	NA	no	no	Rajesh	Aggarwal	MD, PhD, MA, FRCS				X							
Imperial College London	AEI2008	Imperial College Competency Assessment Tool (ICCAT)	NA	no	no	Rajesh	Aggarwal	MD, PhD, MA, FRCS				X							
Imperial College London	AEI2010	Laparoscopic training in the UK	Original	no	no	Daniel	Brown			X		X							
Imperial College London	AEI2011	Can virtual reality simulation be used for advanced bariatric surgical training?	Original	no	yes	Trystan	Lewis	MB, BS, BSc, MRCS		X	X			X					
Imperial College London	AEI2011	Patient-Specific Simulated Rehearsal for the Carotid Artery Stenting Procedure	Original	yes	no	Willem	Willaert	MD		X		X	X	X					
Imperial College London	AEI2011	Prediction of Future Performance in Minimally Invasive Surgery – A Tool for Surgical Selection	Original	no	no	Rajesh	Aggarwal	MD, PhD, MA, FRCS		X	X								
Imperial College London	AEI2011	Simulation for Operative Laparoscopic skill Advancement of Residents (SOLAR): A Global Study	Original Paper	no	no	Rajesh	Aggarwal	MD, MA, PhD, MRCS	X	X	X	X							
Imperial College London	AEI2012	Transfer Effectiveness for a Virtual Reality Laparoscopic Appendectomy Curriculum	Original	yes	no	Amish	Acharya	BSc	X	X		X							
Imperial College London	AEI2013	A Comparison of Surgical Training Quality Between the UK and the USA	Original	yes	no	Pritam	Singh	MBBS, MA, MRCS		X		X							
Imperial College London	AEI2013	International Consensus on Defining and Measuring Quality in Surgical Training	Original	yes	no	Pritam	Singh	MBBS, MA, MRCS				X	X						
Imperial College London	AEI2013	Simulation For the Assessment of Ward-based Surgical Care: Validation of the Simulated Ward and a Novel Assessment Tool	Original	no	no	Philip	Pucher	MD, MRCS	X	X	X								
Imperial College London	AEI2013	The Rule of '4s': A Theory-Driven Approach to Implementing Simulation into Surgical Training	Original	yes	no	Sonal	Arora	MD, PhD	X	X									
Imperial College London	AEI2014	A Randomized Controlled Study to Evaluate the Role of Video-Based Coaching in Training Laparoscopic Skills	Original	yes	no	Pritam	Singh	MB, BS, MA, MRCS	X	X	X	X	X						

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Imperial College London	AEI2014	Design of a Virtual Reality Training Curriculum for Laparoscopic Colorectal Surgery	Original	yes	no	Laura	Beyer-Berjot	MD	X	X	X			X					
Imperial College London	AEI2014	Escalation of Care in Surgery: a Systematic, Pro-active Risk Assessment of Clinical Supervision	Original	no	no	Maximilian	Johnston	MB, BCh			X								
Imperial College London	AEI2014	Evaluation of the Effectiveness of Self-Directed Learning Using a Take-Home Laparoscopic Simulator to Supplement Clinical Training	Original	yes	no	Kathleen	Elliott	BSc(Hon), MB, BCh, MRCS		X	X			X					
Imperial College London	AEI2014	Facilitating the Implementation of the ACS/APDS Phase III Skills Curriculum: Training Faculty in the Assessment of Team Skills	Original	yes	no	Louise	Hull	PhD	X	X									
Imperial College London	AEI2014	Surgical care checklists to optimise patient care following post-operative complications	Original	yes	no	Philip	Pucher	MD, MRCS	X				X	X					
Imperial College London	AEI2016	Modern Paradigms in Surgical Training – An International Qualitative Study to Determine Factors Affecting the Implementation of Simulation-based Training Programmes	Original	no	no	Shady	Hosny	MB, BS, BSc(Hons), MRCS	X					X					
Imperial College London	AEI2017	International Delphi Consensus on Critical Components of the Safe Surgical Ward: Identification of Factors for Educational Interventions and Quality Assessment	Original	no	no	Yasmin	Hassen	MB, BS, BSc(Hons), MRCS						X					
Imperial College London/St. Mary's Hospital	AEI2013	Advanced Training in Laparoscopic Abdominal Surgery (ATLAS): a Systematic Review	Descriptive	yes	no	Laura	Beyer-Berjot	MD		X									
Imperial College London/St. Mary's Hospital	AEI2013	Surgical Training: Design of a Virtual Care Pathway Approach	Descriptive	yes	yes	Laura	Beyer-Berjot	MD	X	X				X	X				
Indiana University	AEI2018	Performance Variability During Training on Simulators Predicts Skill Transfer	Original Paper	yes	yes	John	Martin	MD			X								Performance Assessment
Indiana University	AEI2019	Automated Assessment of Surgical Knot Tying	Original Paper	no	no	Elizabeth	Huffman	MD			X								
Indiana University	AEI2019	Residency preparatory courses effectively prepare graduating medical students for surgical internship	Poster Presentation	no	no	John	Martin				X								
Indiana University School of Medicine	AEI2018	Current Research Priorities in Surgical Simulation	Original Paper	yes	yes	Nicholas	Anton	MS											Needs Assessment
Indiana University School of Medicine	AEI2018	Mental Skills Training Limits Operative Skill Decay Under Stressful Conditions: Results of a Multi-Site Randomized Controlled Study	Poster Presentation	yes	no	Nicholas	Anton	MS	X										
Indiana University School of Medicine	AEI2018	What Errors Do Surgical Residents Commonly Commit?	Original Paper	yes	no	Tomoko	Mizota	MD											Needs Assessment
INOVA	AEI2017	Operating Room Crisis Checklists: Development of Simulation Training	Work in Progress	no	no	Amber	Trickey	PhD, MS	X					X					
INOVA Health System	AEI2016	Development of a Laparoscopic Appendectomy Silicone Training Model Using Three-Dimensional Printing Technology	Original	no	no	Jonathan	Dort	MD, FACS											
INOVA Health System	AEI2016	Inter-professional Education and Simulation to Improve Knowledge Retention of CAUTI	Original	no	no	Paula	Graling	DNP, RN	X		X		X						
INOVA Health System	AEI2016	Patient-Centered Communication for Surgical Residents: A Simulation-Based Curriculum	Original	no	no	Amber	Trickey	PhD, MS		X	X		X						

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INOVA Health System	AEI2016	Pooling Resources: Creation of a Surgical Bootcamp that Straddles Specialty Lines	Original	no	no	Sharon	Bachman	MD, FACS			X	X							
Karolinska University Hospital	AEI2011	Transfer of skills between virtual colonoscopy and laparoscopy	Original	yes	no	Lars	Enochsson	MD, PhD		X		X							
Karolinska University Hospital	AEI2012	Skills transfer between basic laparoscopic and colonoscopic simulator training	Original	no	no	Lars	Enochsson	MD, PHD		X	X	X		X					
Karolinska University Hospital	AEI2013	Technical and non-technical skills influencing laparoscopic performance among OBGYN residents	Original	no	no	Lars	Enochsson	MD, PhD	X	X	X			X					
Karolinska University Hospital	AEI2015	Basic skills training - black box or high fidelity simulators?	Original	yes	no	Lars	Enochsson	MD, PhD	X	X	X			X					
Karolinska University Hospital	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	Lars	Enochsson	MD, PhD			X	X							
Karolinska University Hospital	AEI2018	Will eye tracking video feedback enhance simulator performance?	Poster Presentation	yes	no	Markus	Castegren	MD, PhD		X									
Karolinska University Hospital Sweden	AEI2019	Validation of a Novel Needle Holder to Train Advanced Laparoscopy Skills to Novices in a Simulator Environment.	Poster Presentation	yes	no	Ninos	Oussi	MD						X					
Lahey Clinic	AEI2017	Optimizing Simulation-Based Interdisciplinary Teamwork Training for Medical and Nursing Students and Evaluating Its Long-term Effects	Original	no	no	Darlene	Bourgeois	MSN, RN											
Lahey Clinic	AEI2018	Calculating the Return on Investment – Quantifying the Value of Simulation Training for Housekeeping	Original Paper	yes	no	Dmitry	Nepomnayshy	MD				X							
Lahey Health System	AEI2011	Integration of a Curriculum for the Surgeons Training Endoscopic Proficiency (STEP) Program into General Surgery Residency	Work in Progress	no	no	Andrew	Kastenmeier	MD	X	X									
Lahey Health System	AEI2012	Initial Steps Towards the Development of a De Novo Simulation-Based Anesthesia Curriculum	Work in Progress	no	no	Edwin	Ozawa	MD, PhD	X	X				X					
Lahey Health System	AEI2013	An Interdisciplinary Boot Camp Where Interns and Nurses Learn Together	Descriptive	no	no	Darlene	Bourgeois	MSN, RN	X	X		X							
Lahey Health System	AEI2013	Preparing to Save a Life - Simulation Course for Penetrating Thoracic Trauma in a Low Volume Hospital	Descriptive	no	no	Dmitry	Nepomnayshy	MD, FACS	X	X	X								
Lahey Health System	AEI2014	The Implementation of a Body Donation Program to Support Surgical Education at an Accredited Education Institute	Descriptive	no	no	Jirina	Trunekova	BS											
Lahey Health System	AEI2015	Creating a Policy Development Methodology Utilizing Simulation and Implementation of an Operating Room Emergency Checklist	Descriptive	no	no	Theodore	Delmonico	MD						X					
Lahey Health System	AEI2015	Do Teamwork and Communication Concepts Learned in the Simulated Environment Transfer to the Trauma Bay?	Original	no	no	Darlene	Bourgeois	MSN, RN	X	X	X	X							
Lahey Health System	AEI2015	Teaching With Technology – What Do Millennial Learners Need?	Original	no	np	Meredith	Cody Thomas	BA	X										
Lahey Hospital & Medical Center	AEI2019	The Effects of Team Training Utilizing Simulation and Mindfulness on Colleague Engagement and Patient Satisfaction in the Healthcare Setting	Innovative Techniques	no	no	Darlene	Bourgeois	EdD(c), MSN, RN											Patient satisfaction and colleague engagement

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Lehigh Valley Health Network	AEI2012	Evaluation of Stress on Laparoscopic Skills of Surgical Residents in Simulation-Based Education	Research Idea	no	no	William	Boyer	DHSc		X	X		X					
Lehigh Valley Health Network	AEI2012	LVHN The Level II Accreditation Journey	Descriptive	no	no	Cathynn	Feher	RN, MSN	X			X						
Lehigh Valley Health Network	AEI2013	The Community as a Learner Group	Descriptive	no	no	Cathynn	Feher	RN, MSN				X	X					
Lifebridge Health Sinal Hospital	AEI2017	Team Based Simulation: Another Tool to Teach Operating Room Fire Safety	Descriptive	yes	no	Vanita	Ahuja	MD, MPH, MBA					X					
Lorraine University	AEI2013	Face, content, construct validity and learning curve in robotic surgery simulation training: results of a multicentric evaluation of dV-Trainer®	Original	yes	no	Cyril	Perrenot	MD	X	X	X	X						
LSU Health New Orleans	AEI2019	Attitude Adjustment? Impact of Simulation-based, High-fidelity Inter-Professional Team Training on Senior Medical Students' Short-Term Teamwork Attitudes	Poster Presentation	no	no	Laura	Bonanno	PhDc, DNP, CRNA				X						Curriculum implementation
LSUHSC SCHOOL OF MEDICINE	AEI2018	Evaluating the Quality of Video-taped Debriefings after Simulation Team Training	Original Paper	yes	yes	John	Paige	MD		X								
LSUHSC-New Orleans	AEI2008	LSUHSC-NO Expands Surgical Education through Innovative Developments and Collaborations	NA	no	no	Sheila	Chauvin	MEd		X								
LSUHSC-New Orleans	AEI2009	Role of Instruction Method in Novices' Acquisition of Minimally Invasive Surgical (MIS) Basic Skills	NA	no	no	John	Paige	MD, FACS							X			
LSUHSC-New Orleans	AEI2011	Behavioral Impact of Inter-Professional Student Operating Room Team Training using High Fidelity Simulation	Original	no	no	John	Paige	MD, FACS	X	X	X		X					
LSUHSC-New Orleans	AEI2012	Laparoscopic Cholecystectomy Simulation-Based Training: Does the Type of Trainer Matter?	Original	no	no	John	Paige	MD, FACS	X	X	X	X	X	X				
LSUHSC-New Orleans	AEI2013	Thinking it Through: Correlation of Mental Rehearsal Attitudinal Gains with Performance Parameters on Two Separate Laparoscopic Cholecystectomy Trainers	Original	no	no	John	Paige	MD, FACS	X	X								
LSUHSC-New Orleans	AEI2014	Through the Looking Glass: Comparison of Self-, Peer-, and Observer-based Assessment of Students during Inter-Professional Team Training	Original	no	no	John	Paige	MD, FACS	X	X	X	X	X					
Madigan Army Medical Center	AEI2012	Hemostasis in a non-compressible hemorrhage model: an end-user evaluation of hemostatic agents in a proximal arterial injury	Original	no	no	Steven	Satterly	MD			X	X	X	X				
Madigan Army Medical Center	AEI2013	Utilization of the Human-Worn Partial Task Surgical Simulator in Extreme environmental terrain and weather conditions.	Original	no	no	Robert	Rush	MD	X	X	X	X	X					
MASTRI	AEI2008	The MASTRI Center	NA	no	no	Adrian	Park	MD				X						
MASTRI	AEI2009	External Review and Endorsement in Support of Business Plans for Simulation Centers	NA	no	no	Gerald	Moses	PhD									X	
Mayo Clinic Rochester	AEI2008	Implementation and Educational Outcomes for a Central Line Workshop Subtitle: A Simulation Center and Procedural Skills Lab Collaborative	NA	no	no	William	Dunn	MD				X						

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Mayo Clinic Rochester	AEI2008	Simulation Drives Our General Surgery Training Curriculum: A Work in Progress	NA	no	no	David	Farley	MD, FACS	X										
Mayo Clinic Rochester	AEI2009	\$500 REWARD: What Millennial Surgery Residents Will Do for a Buck	Work in Progress	no	no	David	Farley	MD, FACS									X		
Mayo Clinic Rochester	AEI2009	Toward "High Stakes" Certification in Central Line Placement: Construct Validation of a Central Line Workshop Performance Metrics	NA	no	no	Yue	Dong								NA	NA	NA		
Mayo Clinic Rochester	AEI2009	Using a 24/7 Audiovisual System to Create a Dynamic Surgical Curriculum and Assess Learners for Competency	Work in Progress	no	no	David	Farley	MD, FACS									X		
Mayo Clinic Rochester	AEI2010	Improving Surgical Skills Through Simulation Education	Original	no	no	Benjamin	Zendejas		X	X	X								
Mayo Clinic Rochester	AEI2010	YouTube Video + Simulation = Master TEP Hernia Surgeon?	Work in Progress	no	no	Benjamin	Zendejas		X	X		X							
Mayo Clinic Rochester	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	David	Farley	MD			X	X							
Mayo Clinic Rochester	AEI2011	Setting Mastery Learning Standards for Laparoscopic TEP Inguinal Hernia Repair Simulator Training	Original	no	no	Benjamin	Zendejas	MD	X	X	X								
Mayo Clinic Rochester	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	Shahzad	Ali	MD	X	X	X				X				
Mayo Clinic Rochester	AEI2012	Evaluating General Surgery Residents: Is it Worth an Olympic Effort?	Original	no	no	Roberto	Hernandez-Irizarry	BS	X	X	X	X							
Mayo Clinic Rochester	AEI2013	A \$4.87 Model for Teaching and Assessing Basic Tube Thoracostomy Techniques	Original	no	no	Raaj	Ruparel	MD			X								
Mayo Clinic Rochester	AEI2013	Perceptions of Surgical Task Trainers – What Do Trainees Prefer?	Original	no	no	Raaj	Ruparel	MD	X	X	X	X							
Mayo Clinic Rochester	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	Raaj	Ruparel	MD			X	X	X						
Mayo Clinic Rochester	AEI2013	Teaching the Essentials of Endocrine Surgery via Low-Cost, Low-Fidelity Simulation – A Clever Use of Yarn and Felt	Original	no	no	Raaj	Ruparel	MD	X	X	X				X				
Mayo Clinic Rochester	AEI2013	The Rationale for Combining Surgical Simulation and Audiovisual Education: More Repetitions, Less Cost, and Greater Resident Engagement and Satisfaction	Original	no	yes	Yazan	AlJamal	MD	X	X	X	X							
Mayo Clinic Rochester	AEI2014	A surgical educators armamentarium: Using Jeopardy to assess residents' retention and improvement of medical knowledge	Original	no	no	Jad	Abdelsattar	MB, BS	X	X	X	X							
Mayo Clinic Rochester	AEI2014	Complications Related to Chest Tube Placement at the Mayo Clinic and a Plan for Quality Improvement	Original	no	no	Raaj	Ruparel	MD	X	X		X	X	X					
Mayo Clinic Rochester	AEI2014	Simulating Azygos Vein Ligation - Deliberate Practice is Invaluable	Original	no	no	Phillip	Rowse	MD	X	X	X								
Mayo Clinic Rochester	AEI2014	Video Skills Curricula and Simulation: A Synergistic Way to Teach Two-Layered Handsewn Small Bowel Anastomosis	Original	no	no	Phillip	Rowse	MD	X	X	X								

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Mayo Clinic Rochester	AEI2016	Cadaveric Dissection vs. Homemade Model: What is the Best Way to Teach Endoscopic Totally Extraperitoneal Inguinal Hernia Repair?	Original	no	no	Yazan	AlJamal	MB, BS			X	X						
Mayo Clinic Rochester	AEI2016	Oh, The Stress of Simulation! Role of Skin Conductance as A Stress Indicator in Surgical Education.	Work in Progress	no	no	Monali	Mohan	MD			X	X						
Mayo Clinic Rochester	AEI2016	Serving Up Your Service: How Can YOU Assess Your Trainees?	Descriptive	no	no	Becca	Gas	BS	X		X	X						
Mayo Clinic Rochester	AEI2016	Trainee Impressions of Instructor Expertise in Surgical Simulation and Education	Original	no	no	TK	Pandian	MD, MPH	X		X	X						
Mayo Clinic Rochester	AEI2017	Outcomes Following Introduction of a Standardized Process To Improve Transitions of Care in a Surgical Practice	Original	no	no	Yazan	AlJamal	MD	X			X	X	X				
Mayo Clinic Rochester	AEI2017	Personalized video feedback to improve "at home" pre-residency preparation of surgical interns	Original	yes	yes	Nimesh	Naik	MD										
Mayo Clinic Rochester	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	Francisco	Cardenas	MD	X	X	X							
Mayo Clinic Rochester	AEI2018	Knot Tying: Transforming Novice to Proficient Performance in less than 60 minutes. Can it be done?	Poster Presentation	no	no	Mohamed	Baloul	MBBS		X	X							
Mayo Clinic Rochester	AEI2018	Laparoscopic Peg Transfer Simulation Tasks with Two Difficulty Levels: Analysis of Two Years Interns' Performance and Workload	Original Paper	yes	no	Amro	Abdelrahman	MBBS			X							
Mayo Clinic Rochester	AEI2018	Low Fidelity Materials Yield High Resolution Assessment of Anatomical Knowledge...Really?	Original Paper	no	yes	Humza	Saleem	MD	X		X							
Mayo Clinic Rochester	AEI2018	Microsurgical Skills Training Course: The Effect on Microsurgery Trainees' Confidence and Workload	Poster Presentation	no	no	Anita	Mohan	MBBS			X							
Mayo Clinic Rochester	AEI2018	Surgical Interns in 2017: Objective Assessment Suggests they are Better but Still DANGEROUS	Original Paper	no	yes	Yazan	AlJamal	MD			X	X						
Mayo Clinic Rochester	AEI2018	Video Training Works for Professional Sports, Might it be Effective in Training Resident Eyes and Minds for the OR?	Poster Presentation	no	no	Nicholas	Prabhakar	BA			X							
Mayo Clinic Rochester	AEI2019	3-D Anatomy Models Facilitates Cross-sectional Radiological Learning for Surgery Residents: a randomized controlled crossover trial	Poster Presentation	yes	no	Francisco	Cardenas Lara	MD		X								
Mayo Clinic Rochester	AEI2019	Analysis of General Surgery Intern Performance on Simulation-Based Anatomy Examinations	Poster Presentation	no	no	Abhishek	Chandra	BA	X	X	X							
Mayo Clinic Rochester	AEI2019	Development and Evaluation of a Low-Cost Laparoscopic Cholecystectomy Simulation Model	Poster Presentation	no	no	Rafael	Azevedo	MD	X	X								
Mayo Clinic Rochester	AEI2019	Development and Evaluation of a Low-Cost Sentinel Lymph Node Model for Axillary Dissection and Biopsy	Innovative Techniques	no	no	Courtney	Backstrom	BS		X								

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Mayo Clinic Rochester	AEI2019	Grouped-based Video Feedback is as Effective and More Efficient than Personalized Video Feedback for Enhancing Skills of Surgical Interns	Original Paper	no	no	Yazan	AlJamal	MD	X		X								
Mayo Clinic Rochester	AEI2019	Knot-tying Struggles for Surgical Interns: Bare Hands vs. Gloves vs. Gloves with Butter	Original Paper	no	no	Nizamuddin	Shaikh	MBBS	X	X	X								
Mayo Clinic Rochester	AEI2019	Laparoscopic Port Placement Concepts; It's All About Fundamentals	Poster Presentation	yes	no	Nimesh	Naik	MD		X									
McGill University	AEI2009	Workshop Using Standardized Patients to Evaluate the Communication Skills of Surgical Residents	NA	no	no	Sender	Lieberman									X			
McGill University	AEI2015	Patient Specific Simulation for Aortic Surgery Pre-procedural training	Original	no	no	Kevin	Lachapelle	MD, FACS, FRCS	X	X									
McGill University	AEI2015	Simulation versus Operating Room: Examining Relations between Emotional States, Learning Processes, and Technical Skills Performance across Training Environments	Work in Progress	yes	no	Melissa	Duffy	MA		X	X								
McGill University	AEI2017	Development of a Breast Reconstruction Training Environment	Original	no	no	Alex	Viezel-Mathieu	MD, BS											
McGill University	AEI2017	Simulation-based Multiple Mini-interviews vs. Traditional Interviews in the Postgraduate Year 1 Cardiac Surgery Residency Program Selection Process	Original	no	no	Marina	Ibrahim	MD			X								
McGill University	AEI2018	Force during Simulation-Based Orotracheal Intubation is predictive of Clinical Competency	Poster Presentation	no	no	Qasim	Al Abri	MD											Objective Assessment
McMaster University	AEI2017	Conflicting Opinions on the Use of Simulation for Nontechnical Skill Development at the Onset of Residency Training	Original	no	no	Natalie	Wagner	BSc(Hons)	X	X									
McMaster University	AEI2018	Development, Implementation, and Evaluation of a Competency-Based Urology Bootcamp for Training First-year Urology Residents, A Prospective Cohort Pilot Study with Historical Controls	Innovative Techniques	yes	no	Yuding	Wang	MD	X										
McMaster University	AEI2018	Validation of a Low-cost Ultrasound Compatible Suprapubic Catheter Insertion Training Model	Poster Presentation	no	no	Yuding	Wang	MD		X									
Medical University of South Carolina	AEI2017	Time Crunch: Increasing the Efficiency of Technical Surgical Skill Assessment via Brief Video Clips	Original	yes	yes	John	Sawyer	BS											
Medstar/SiTEL	AEI2016	Using Heart Rate Variability to Assess Acute Stress During Simulated Trauma Resuscitation	Original	no	no	Shabnam	Hafiz	MD, MPH											
Meharry Medical College	AEI2019	Expansion of Surgical Simulation Through the Development of Economic Laparoscopic Simulators and Student-run Organizations	Original Paper	yes	no	Jordan	Baechle	BS	X	X									
MGH	AEI2015	The Tell-Tale Heart and Team Crisis Simulation in an In-Situ Operating Room	Original	no	no	Roy	Phitayakorn	MD, MEd, FACS		X	X								
MGH	AEI2016	A Flexible Platform for Building Cumulative Milestone-Based Surgical Resident Portfolios	Descriptive	no	no	Avni	Khatri	BS	X		X	X							

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MGH	AEI2014	Practicality of Using Galvanic Skin Response to Measure Intra-operative Physiological Autonomic Activation in Operating Room Team Members	Descriptive	no	yes	Roy	Phitayakorn	MD, MEd		X	X		X					
MGH	AEI2014	The Relationship between Intra-operative Teamwork and Quality of Patient Care	Descriptive	no	yes	Roy	Phitayakorn	MD, MEd			X	X	X	X				
MITIE	AEI2009	Fundamentals of Robotic Surgery (FRS): Inanimate tasks for robotic surgical skills assessment and training	NA	yes	no	Alvin	Goh	MD									X	
MITIE	AEI2009	GEARS: An assessment tool to measure robotic surgical skills	NA	yes	no	Alvin	Goh	MD									X	
MITIE	AEI2009	Simulated Operating Room Crisis during Robotic Surgery using a Completely Portable Human Patient Simulator (HPS)	NA	no	no	Rohan	Joseph										X	
MITIE	AEI2009	Use of a Novel Thermal and Visual Facial Mapping System to Measure Stress in Surgeons May Provide a Valuable Metric in Surgical Skills Acquisition	NA	no	no	Rohan	Joseph								X			
MITIE	AEI2013	A Proficiency-based Da Vinci® Skills Simulator(TM) Training Curriculum	Original	no	no	Victor	Wilcox, Jr	MD	X									
MITIE	AEI2013	Creation of a cost-effect per diem medical student work force for a busy American College of Surgeons Accredited Education Institute (AEI) – a model for use by consortium members	Original	no	no	Lauren	Karbach	BA	X									
MITIE	AEI2019	What should we teach in a general surgery simulation curriculum? A faculty and resident needs assessment	Poster Presentation	yes	no	Karen	Dickinson	MBBS, MSc, MD, FRCS	X									
MO Heart Center	AEI2016	Artificial Blood CF1 Demonstrating Reduced Volume Loss for Open Surgery Simulation in Human Cadavers	Original	no	no	Joss	Fernandez	MD, FACS										
Mount Sinai Hospital	AEI2011	Orthopaedic boot camp II: Examining retention rates for skills taught through an intensive laboratory-based surgical skills course	Original	yes	yes	Ranil	Sonnadara	PhD, MSc		X		X						
Naval Hospital Portsmouth	AEI2017	In Situ Multidisciplinary Obstetric Team Training for Emergencies: Maximizing Training Opportunities while Sensing Latent Threats to Patient Safety	Original	no	no	Joy	Greer	RN, BSN					X					
Naval Med Ctr Portsmouth	AEI2016	STOMP- Skills Training for Operational Medicine Providers: Design and Implementation of a Novel Comprehensive Skills-Based Curriculum for U.S. Navy Interns	Original	no	no	Travis	Polk	MD, FACS	X									
Naval Med Ctr San Diego	AEI2016	A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures	Original	no	no	Jonathan	Gower	MD			X	X						
Naval Med Ctr San Diego	AEI2016	CPR Devices & Impact on Infant Chest Compressions	Original	no	no	Carmen	Spalding	PhD			X	X						
Naval Med Ctr San Diego	AEI2016	Peroral Endoscopic Myotomy Curriculum For The Treatment Of Achalasia And Esophageal Motility Disorders Using Simulation & Animal Platforms	Original	no	no	Andrew	Wang	MD	X									

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Naval Med Ctr San Diego	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	Alwin	Albert	MD	X		X	X							
Naval Medical Center Portsmouth	AEI2018	Enhancing Computer-Based Central Line Training for Surgery Residents Across Two Training Programs	Poster Presentation	no	no	Jenny	Held	MD		X									
Naval Medical Center Portsmouth	AEI2019	Using a Simulation Based Curriculum to Teach General Surgeons Obstetric & Gynecological Skills	Poster Presentation	no	no	Donald	Delorey	PHD	X										
Naval Medical Center San Diego	AEI2019	Proficiency Based Training Program For Performing Complex Gastrointestinal Surgery – How And Why To Learn The Robotic-Assisted Laparoscopic Gastric Bypass In The Military	Original Paper	no	no	Gordon	Wisbach	MD, MBA		X									
Navy Medical Center San Diego	AEI2015	Pressurized Cadaver Flow Model (PCM): a Novel Model for Endovascular Surgical Training	Descriptive	yes	no	Joseph	Ayers	MD	X	X									
Northwestern University	AEI2008	The Cognitive Side of Surgery	NA	no	no	Carla	Pugh	MD, PhD, FACS				X							
Northwestern University	AEI2009	A Model for Strengthening Faculty Teaching Effectiveness in a Skills Laboratory	NA	no	no	Debra	DaRosa	PhD									X		
Northwestern University	AEI2009	Administrative Considerations When Implementing ACS Skills Curriculum	Descriptive	no	yes	Deborah	Rooney	PhD								X			
Northwestern University	AEI2009	Organization of a curriculum Designed to Transfer Learning from skills Lab to Bedside	NA	no	no	Debra	DaRosa	PhD									X		
Northwestern University	AEI2009	Outcome Measures for Surgical Simulators: Is the focus on technical skills the best approach?	Original	yes	yes	Carla	Pugh	MD, PhD, FACS								X			
Northwestern University	AEI2009	Psychometric Analysis of the Phase I ACS/APDS Skills Curriculum, Verification of Proficiency Examination	Original	no	no	Eric	Hungness	MD								X			
Northwestern University	AEI2009	The Theoretical Basis for Fabricating High Fidelity Simulation Tools for Honing Complex Surgical Skills	Original	yes	no	Carla	Pugh	MD, PhD, FACS								X			
Northwestern University	AEI2011	Can Skills Coaches be Used to Assess Resident Performance in the Skills Laboratory?	Original	yes	yes	Deborah	Rooney	PhDc	X	X	X								
Northwestern University	AEI2011	Fundamentals of Laparoscopic Surgery (FLS) Manual Skills Assessment: Surgeon Versus Non-surgeon Raters	Original	yes	no	Deborah	Rooney	PhDc				X							
Northwestern University	AEI2011	Use of decision based simulation to explore shared mental models in the operating room	Original	no	no	Carla	Pugh	MD, PhD				X		X					
Northwestern University	AEI2012	Can Peers be Used to Assess Resident Performance in the Skills Laboratory?	Original	no	no	Deborah	Rooney	PhD	X	X	X	X		X					
Northwestern University	AEI2012	Survey-Based Team Assessments: A Critical Evaluation Of Behavioral Constructs And Item Selection	Original	no	no	Carla	Pugh	MD, PhD, FACS			X	X							
Northwestern University	AEI2012	Using a Many-Facet Rasch Measurement Approach for Validation of Central Venous Catheter Tool Used in Verification of Proficiency Examination	Original	yes	no	Deborah	Rooney	PhD	X	X	X								
NYP-Weill Cornell Medical Center	AEI2019	Does Variability Among Surgical Skills Diminish Throughout Residency Training? Analysis of a 5-Task Surgical Simulation Curriculum Starting Day 1.	Poster Presentation	yes	yes	Jessica	Limberg	MD	X	X	X								

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Ohio Health	AEI2016	Efficacy of a simulation-based training program for improving the communication skills of general surgery and obstetrics and gynecology residents	Original	no	no	Ngan	Nguyen	PhD			X	X						
OhioHealth	AEI2013	Understanding Experiential Learning Styles in Residency	Original	no	no	Jason	Zigmont	PhD		X	X							
OhioHealth	AEI2014	Innovative Approach to Faculty Development Utilizing Simulation	Original	no	no	Jason	Zigmont	PhD	X	X			X	X				
OhioHealth	AEI2015	Teaching Teamwork and Checklists Through Live 'Simulations' in the OR with Intact Care Teams Improves Buy-In	Descriptive	no	no	Jason	Zigmont	PhD		X	X	X	X					
OhioHealth Learning	AEI2019	Teaching Burn Management Using a Low Cost Escharotomy Trainer	Innovative Techniques	no	no	Asit	Misra	MD		X								Low cost simulator development
OhioHealth Learning	AEI2019	Use of a Low Cost Task Trainer for Emergency Department Thoracotomy Training in a General Surgery Residency Program.	Innovative Techniques	no	no	Asit	Misra	MD		X	X							Simulator Development
OhioHealth Learning	AEI2019	Use of Mock Oral Boards as an Assessment Tool in Simulation Based Burn Management Training.	Poster Presentation	no	no	Asit	Misra	MD		X	X							
Oklahoma University Health Sciences Center	AEI2013	The Effects of the Addition of a Pediatric Surgery Fellow on the Operative Experience of the General Surgery Resident	Descriptive	no	no	Alexander	Raines	MD		X		X						
Penn Medical Simulation Center	AEI2017	Interprofessional Simulations to Inform Perioperative Facility Planning and Design	Original	no	no	Kristoffel	Dumon	MD, FACS										
Penn Medicine Clinical Simulation Center	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	Ben Selvan	Chandrakaladhar	MS	X	X	X	X						
Penn State Hershey Medical Center	AEI2012	Nurse Training with Simulation: An Innovative Approach to Teach Complex Microsurgery Patient Care	Descriptive	no	no	John	Potochny	MD, FACS	X	X		X						
Penn State Hershey Medical Center	AEI2008	Enhancing a General Surgery Residency Curriculum through Integration of an Online Content Management System	NA	no	no	Andreas	Meier	MD, FAAP, FACS	X									
Providence Hospital and Medical Centers	AEI2013	Laboratory Simulation is Useful in Training Residents in Bowel and Vascular Anastomosis	Research Idea	no	no	Vijay	Mittal	MD	X	X				X				
Queen Elizabeth Hospital, Birmingham	AEI2019	A prospective, Randomised, Controlled Trial assessing the rate of decay of virtual reality colonoscopy (psychomotor) skill	Poster Presentation	yes	no	Yash	Verma	MBBS/Bsc	X		X							Rate of decay of psychomotor skill (by extension surgical skill) using VR colonoscopy simulator.
Queen's University	AEI2018	Implementation and Evaluation of a Comprehensive Proficiency-Based Upper GI Curriculum: A Multi-Institutional Canadian Experience	Poster Presentation	yes	no	Boris	Zevin	MD, PhD, FRCSC	X	X								

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Queen's University	AEI2018	Surgery Tutor – An Open Source Platform for Assessment of Technical Proficiency: A Validation Study in a Simulated Setting	Poster Presentation	no	no	Caitlin	Yeo	MD			X								
Queen's University, School of Medicine	AEI2019	Comparing reverse half-hitch alternating post surgical knots and square knots for closure of enterotomy in a simulated deep body cavity: A Randomized Controlled Trial.	Original Paper	yes	no	Edward	Sykes	PhD		X									
Riverside Methodist Hospital	AEI2012	Simulation Based Training in High Risk/Low Frequency Situations: A Case Presentation	Descriptive	no	no	Benjamin	Radcliffe	MD	X	X	X	X	X	X					
Riverside Methodist Hospital	AEI2018	Efficacy of Simulation-Based Training for Laparoscopic Intraoperative Cholangiography	Innovative Techniques	no	no	Tyler	Sbrocchi	MD	X	X									
Riverside Surgical Associates	AEI2013	Utilization of Operating Room Simulation to Enhance Surgical Resident Participation in the Surgical Timeout Checklists	Original	no	no	Edward	Dominguez	MD	X	X	X		X						
Rocky Vista University	AEI2017	Effects of a Surgical Simulation Course on Undergraduate Surgical Clerkship Performance	Original	no	no	Michael	Tieman	MD, FACS											
Rocky Vista University School of Medicine	AEI2014	Immersion Training in Simulation Brings Hyper-Realism to Training	Original	yes	no	Anthony	LaPorta	MD, FACS	X	X	X	X	X	X					
Rocky Vista University School of Medicine	AEI2015	The Correlation of Salivary Cortisol and Alpha Amylase in the execution of Realistic Surgical Trauma Simulation and Medical Student Training	Original	yes	no	Anthony	LaPorta	MD, FACS	X	X	X	X							
Rocky Vista University School of Medicine	AEI2016	Effect of Team Training on Resuscitation Times and Critical Errors in Simulated Trauma Following Shipboard Surgical Trauma Training (S2T2) Curriculum—Cumulative Data	Original	no	no	Ross	Mullinax	MD											
Rocky Vista University School of Medicine	AEI2016	Measuring the Tools of the Future: How Will We Tell the Effectiveness of Training	Original	yes	no	Anthony	LaPorta	MD, FACS	X		X	X	X						
Rush University Medical Center	AEI2018	Modernizing educational paradigms by integrating surgical simulation across surgical specialties	Poster Presentation	no	no	Nicole	Siparsky	MD	X										
Rush University Medical Center (University of Chicago)	AEI2015	Simulation-based Training for Safety Incidents: Lessons from Analysis of Adverse Events in Robotic Surgical Systems	Work in Progress	yes	no	Jaishankar	Raman	MD	X	X			X						
San Antonio Military Medical Center	AEI2017	Development of In-Situ Simulation Lab for Training Gynecology Residents in Basic Laparoscopic and Hysteroscopic Operative Skills	Descriptive	no	no	Maria	Molina	MD	X	X									
Sinai Hospital of Baltimore	AEI2018	Development of a sustainable simulation-based training curriculum in a community-based teaching program: scenarios, benefits, and implications.	Poster Presentation	yes	no	Vanita	Ahuja	MD, MPH, MBA		X			X						
SiTEL's Clinical Simulation Center of MedStar Health	AEI2012	The Anatomy of Bronchoscopy Simulation: Enhancing Experiential Learning through Embedded Research Algorithms (EMA)	Work in Progress	no	no	Robert	Hafey	BS	X	X	X	X	X						
SiTEL's Clinical Simulation Center of MedStar Health	AEI2013	Learning to round before rounds	Descriptive	no	no	William	Yi	MD	X	X	X								

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St. Michael's Hospital/University of Toronto	AEI2011	Developing a Proficiency-Based Virtual Reality Technical Skills Training curriculum for Laparoscopic Colorectal Surgery	Original	yes	no	Vanessa	Palter	MD	X										
St. Michael's Hospital/University of Toronto	AEI2013	Crew resource management training in surgical residency programs: A survey of North American program directors	Original	no	no	Nicholas	Dedy	MD	X	X		X							
St. Michael's Hospital/University of Toronto	AEI2013	Introduction of a Comprehensive Training Curriculum in Laparoscopic Surgery for Medical Students: a Randomized Trial.	Original	no	yes	Nada	Gawad	HBSc	X	X	X		X						
Stanford Medical Center	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	Yulia	Zak	MD	X	X	X								
Stanford University	AEI2015	Student Perceptions of a Simulation-Based Surgery Clerkship Flipped Classroom	Original	no	yes	Cara	Liebert	MD	X	X		X	X						
Stanford University	AEI2016	Faculty perceptions of barriers to completing surgical resident assessments: A multi-institutional qualitative needs assessment	Original	no	no	Laura	Mazer	MD			X	X							
Stanford University	AEI2017	Intensive, Integrated Pre-clinical Surgical Immersion Curriculum for Early Exposure to Surgery	Work in Progress	no	no	Brittany	Hasty	MD	X		X								
Stanford University	AEI2019	Medical Student Perception and Confidence in Informed Consent, A Core EPA	Original Paper	no	yes	Tiffany	Anderson	MD	X										
Stanford University	AEI2019	Use of Sensors to Quantify Procedural Idle Time: Validity Evidence for a New Mastery Metric	Original Paper	yes	yes	Kenneth	Perrone	MD			X								
Tel Aviv University	AEI2019	Experienced Surgeons Versus Novice Residents: Validating a Novel Knot Tying Simulator for Vessel Ligation	Poster Presentation	yes	yes	Roi	Anteby	BS											Validation of a novel simulator
Temple University Hospital	AEI2009	Can surgical skills training of novice medical students in the laboratory improve their technical skill and satisfaction with their surgical clerkship?	Original	no	no	Harsh	Grewal	MD, FACS							X				
Temple University Hospital	AEI2009	Introducing team training and crisis management in the surgical residency program.	NA	no	no	Harsh	Grewal	MD, FACS								X			
Temple University Hospital	AEI2009	Relevance of various components of Surgical Skill Training workshop	NA	no	no	Irene	Yang							X					
Texas A&M / Scott and White	AEI2009	An Evaluation of the Usefulness of the Standardized Patient Methodology in the Assessment of Surgery Residents' Communication and Professionalism	Work in Progress	no	no	Mohsen	Shabahang	MD, PhD										X	
Texas A&M / Scott and White	AEI2009	Interprofessional Education: Simulation-based Mass Casualty Exercise	Descriptive	no	no	Rebecca	Wiarek	MD								X			
Texas A&M / Scott and White	AEI2011	Residents' Perspectives on the Value of Simulation in a General Surgery Residency Curriculum	Original	yes	yes	Hania	Wehbe-Janek	PhD			X	X							
Texas A&M / Scott and White	AEI2012	Interprofessional Education: Simulation-based Mass Casualty Exercise	Descriptive	yes	no	J. Scott	Thomas	MD, FACS	X			X							
The Ohio State University Medical Center	AEI2019	Feasibility of a Simulation-Based Elective in Robotic and Minimally Invasive Surgery for Medical Students	Poster Presentation	no	no	Sophia	Roberts	BS	X										
The Ohio State University Wexner Medical Center	AEI2018	A Robotic Surgical Curriculum for Chief Resident Exposure and Experience	Poster Presentation	no	no	Michael	Meara	MD, FACS	X	X		X							

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Thomas Jefferson University	AEI2010	The Development and Implementation of a Simulation-based Curriculum to Teach Interns Invasive Skills	Original	no	no	Carmen	Sultana	MD, FACS	X	X	X	X						
Thomas Jefferson University	AEI2010	The Use of Simulation Hybrids in Skills Teaching and Assessment	Descriptive	no	no	Katherine	Berg	MD	X	X	X							
Thomas Jefferson University	AEI2010	When Do Physicians Learn Invasive Clinical Skills?	Original	no	no	Katherine	Berg	MD			X	X						
Thomas Jefferson University	AEI2011	A Curriculum Using Simulation to Teach Interns Paracentesis	Descriptive	no	no	Katherine	Berg	MD	X									
Thomas Jefferson University	AEI2011	A Simulation Assessment Tool for Tubal Ligation	Work in Progress	no	no	Carmen	Sultana	MD	X	X	X							
Thomas Jefferson University	AEI2011	Are Medical Students Being Taught Invasive Skills Using Simulation?	Descriptive	no	no	Katherine	Berg	MD	X	X	X							
Thomas Jefferson University	AEI2011	Integration of Procedural Skills Simulation and Just In Time Training into an Advanced Physical Diagnosis Program	Work in Progress	no	no	Edward	Jasper	MD	X	X	X		X					
Thomas Jefferson University	AEI2018	Development of a Disaster Preparedness Interprofessional Education (IPE) Program for Health Profession Students	Poster Presentation	no	no	Edward	Jasper	MD, MPH	X									
Thomas Jefferson University Hospital	AEI2019	Reconstruction of Marginal Mandibular Defects Utilizing Bone Marrow Aspirate Concentrate from the Anterior Iliac Crest: A Less Morbid Osteogenic Option	Poster Presentation	no	no	Shachika	Khanna	BDS, DMD						X				
Tulane University School of Medicine	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	James	Korndorffer, Jr.	MD, MHPE, FACS			X	X						
Tulane University School of Medicine	AEI2014	Effectiveness of Systems Changes Suggested by Simulation of Adverse Surgical Outcomes	Original	no	no	Meghan	Garstka	MD, MS		X		X	X					
UC Davis	AEI2010	Endovascular Procedure Simulation as an Assessment Tool for Vascular Surgeons	Non-AEI	yes	no	David	Dawson	MD, FACS			X							
UC Davis	AEI2017	Successful Implementation and Improvements Identified with in-situ Simulated Resuscitation Cases	Work in Progress	no	no	Robert	Doiron	MD					X					
UC Irvine	AEI2008	Four-Year Curriculum for Urology Residency Training	NA	no	no	Elsbeth	McDougall	MD, FRCS, MHPE	X									
UC Irvine	AEI2008	Long-term Impact of the Robot Assisted Laparoscopic Prostatectomy Mini-Residency Training on Post-Graduate Urologic Practice Patterns	NA	no	no	Michael	Louie	MD				X	X					
UC Irvine	AEI2009	Developing A Performance Assessment Device for the Laparoscopic Transperitoneal Nephrectomy Procedure	NA	yes	no	Elsbeth	McDougall	MD, FRCS, MHPE							X			
UC Irvine	AEI2009	Longterm Impact of a Laparoscopic Renal Surgery Mini-Fellowship on Postgraduate Urologic Practice Patterns.	NA	no	no	Elsbeth	McDougall	MD, FRCS, MHPE							X			
UCLA School of Medicine / The Learning C	AEI2019	How Well do Dynamic Models of Teamwork in Surgical Simulations Reflect those of Live Patient Encounters?	Poster Presentation	yes	no	Ronald	Stevens	PhD										Surgical Research

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UIC	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	Antonio	Gangemi	MD, FACS		X	X	X						
UIC	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	Antonio	Gangemi	MD	X	X		X	X					
UIC	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	Antonio	Gangemi	MD	X	X	X	X		X				
UIC	AEI2015	What would be the Role of Haptics if Incorporated in Robotic Surgery?	Original	no	no	Cristian	Luciano	PhD	X	X	X			X				
UIC	AEI2016	Does Musical Instrument Experience Correlate With Higher Performance On The Robot Simulator?	Original	no	no	Antonio	Gangemi	MD, FACS			X	X						
UIC	AEI2016	Validation and A New Pump for the "Live Cadaver" Exercise for Improving Trauma Team Training	Original	no	no	Richard	Pearl	MD, FACS, FRCS										
UIC	AEI2018	Ultrasound guidance training enhancement using Instrument tracking	Poster Presentation	no	no	Nihar	Sheth			X								
United States Medical Corps. (Naval Medical Center San Diego)	AEI2015	Immersion Team Training In Realistic Environment Improves Performance In Trauma Resuscitation	Original	no	yes	Kris	Siriratsivawong	MD	X	X	X	X	X					
University of Illinois, Peoria	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	Joe	Esparaz	MD		X								
University of Wisconsin	AEI2017	Modeling Operative Thinking in a Simulation-Based Continuing Medical Education Course on Laparoscopic Hernia Repair	Original	no	no	Andrew	Ruis	PhD		X								
University of Athens	AEI2010	Deconstructing Laparoscopic Competence in a Virtual Reality Simulation Environment	Original	no	yes	Costas	Loukas	PhD			X	X						
University of Athens	AEI2010	Evaluating the Effectiveness of Virtual Reality Simulation Training in Intravenous Cannulation	Original	no	no	Costas	Loukas	PhD	X	X	X			X				
University of Athens	AEI2011	A Comparison Study of Basic Skills Acquisition with Virtual Reality and Physical Reality Simulation Training	Original	no	no	Constantinos	Loukas	PhD	X	X	X			X				
University of Athens	AEI2013	The Relative Contribution of Mixed Training in the Acquisition of Advanced Laparoscopic Skills	Original	no	no	Costas	Loukas	PhD		X								
University of Calgary (University of Toronto)	AEI2015	Eye-Gaze Strategies Affect Performance on Arthroscopic Simulators	Original	yes	no	Justin	LeBlanc	MD, FRCS	X	X	X							
University of California, Davis	AEI2019	Development of a Breast Abscess Management Curriculum	Innovative Techniques	no	no	Amanda	Phares	MD	X									
University of California, Riverside/RUHS	AEI2018	Should the American Board of Surgery (ABS) Require Ultrasound Education Program for General Surgery Certification?	Poster Presentation	no	no	John	Agapian	MD, FACS, FCCM	X									

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University of Chicago	AEI2013	Introduction of VR Simulation Based National Training Course on Neurosurgery at Congress of Neurological Surgeons (CNS): Preliminary Results	Research Idea	no	no	Ben	Roitberg	MD	X	X	X	X		X				
University of Chicago	AEI2013	Physician Perception of Frailty and Role in Surgical Risk Assessment	Work in Progress	no	no	Mark	Ferguson	MD	X									
University of Chicago	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	Ben	Roitberg	MD	X	X	X							
University of Chicago	AEI2014	A Model Curriculum of Immersive Simulation of Airway Emergencies to Enhance Professionalism in Resident Education	Work in Progress	no	no	Angela	Blood	MPH, MBA	X	X	X							
University of Chicago	AEI2016	Innovations In 3D Modeling And Surgical Planning In General Surgery	Work in Progress	no	no	Ciro	Andolfi	MD			X	X	X					
University of Chicago	AEI2017	A novel platform for simulation in transanal robotic surgery	Descriptive	no	no	Ciro	Andolfi	MD	X									
University of Chicago Medicine	AEI2018	Challenges for Maintaining Professionalism When Faced with Patient Discrimination and Harassment by Patients/Caregivers	Innovative Techniques	no	no	Melissa	Cappaert	MA	X									
University of Florida	AEI2018	Towards Surgeon-Authored VR Training: the Authoring Interface	Poster Presentation	yes	no	George	Sarosi	MD		X								Surgeon-Authored VR Training
University of Florida - Jacksonville	AEI2019	The Use of Virtual Humans to Assess Surgeon Communication Skills in a Simulated Laparotomy.	Original Paper	no	no	David	Lind	MD						X				
University of Florida, Jacksonville	AEI2018	The Use of Virtual Humans in a Simulated OR for Surgical Education	Innovative Techniques	yes	no	Josue	Menard	MD	X									
University of Illinois-Urbana	AEI2017	Sepsis Training using Interactive Virtual Reality (IVR)	Original	yes	no	Naveen Kumar	Sankaran	MS	X	X	X	X						
University of Iowa Center for Procedural Skills and Simulation	AEI2018	Implementation of Institution-wide Central Venous Catheter Insertion Certification Program	Poster Presentation	no	no	Julie	Hartman	DC, MS						X				
University of Maryland	AEI2017	Bridging the Gap between Acute Care Surgeons and Endovascular Techniques: Simulation Training for Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA)	Original	yes	no	Megan	Brenner	MD, MS, FACS										
University of Michigan	AEI2008	Automated and Centralized Simulation Data Repository	NA	no	no	Woojin	Shim				X							
University of Michigan	AEI2008	Proficiency – Targeted Simulation Training of Novice Surgeons Results in Improved Laparoscopic Skills Measured in the Operating Room	NA	no	no	Paul	Gauger	MD							X			
University of Michigan	AEI2009	Healthcare Teams Typology	NA	no	no	Pamela	Andreatta	EdD, MFA, MA								X		
University of Michigan	AEI2009	The Impact of Stress Factors in Simulation-based Laparoscopic Training*	NA	no	yes	Pamela	Andreatta	EdD, MFA, MA							X			
University of Michigan	AEI2010	A low cost simulator to reduce global rates of maternal mortality	Original	no	no	J	Perosky		X	X				X				
University of Michigan	AEI2010	Simulation-based mock code curriculum correlates with increased pediatric CPA survival rates	Original	no	no	Pamela	Andreatta	EdD, MFA, MA	X	X		X	X	X				

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University of Michigan	AEI2010	Simulation-based training improves applied clinical placement of ultra-sound guided PCCs	Original	no	no	Pamela	Andreatta	EdD, MFA, MA		X	X		X						
University of Michigan	AEI2011	Interdisciplinary team training identified significant discrepancies between institutional policies and clinical practice	Descriptive	no	no	Pamela	Andreatta	PhD				X	X						
University of Michigan	AEI2011	Interdisciplinary team training led to successful management of a rare Obstetric emergency	Original	no	no	Pamela	Andreatta	PhD		X		X	X	X					
University of Michigan	AEI2011	Low-Hanging Fruit: Using Clementines for laparoscopic surgery training in gynecological oncology	Original	no	no	Pamela	Andreatta	PhD	X	X	X		X	X					
University of Michigan	AEI2011	Simulator leads to clinical practice changes for bimanual uterine compression to control	Descriptive	no	no	Pamela	Andreatta	PhD		X		X							
University of Michigan	AEI2011	Sticky Situations: Using foam stickers for precision and tissue handling in laparoscopic training	Original	no	no	Pamela	Andreatta	PhD	X	X	X								
University of Michigan	AEI2013	Filling a void: Developing standard subjective assessment tool for surgical simulation through systematic review of current practices	Original	no	yes	F. Jacob	Seagull	PhD		X	X								
University of Michigan	AEI2013	Fundamentals of Laparoscopic Surgery Manual Test: Is videotaped performance assessment an option?	Work in Progress	no	no	Deborah	Rooney	PhD	X		X	X							
University of Michigan	AEI2014	A Video-based Method for Assessing Proctors' Scoring of the Fundamentals of Laparoscopic Surgery (FLS) Manual Skills Exam	Original	no	no	Deborah	Rooney	PhD			X	X							
University of Michigan	AEI2015	A Simulator and two tools: Validation of performance measures from a novel neurosurgery simulator using the current Standards framework	Descriptive	no	yes	Deborah	Rooney	PhD	X	X	X		X	X					
University of Michigan	AEI2016	Evaluation of a Multispecialty, Self-Directed, Simulation-based Learning Program	Original	no	no	Deborah	Rooney	PhD			X	X							
University of Michigan	AEI2017	AEI best practices: A review of 2011 to present	Original	yes	yes	James	Cooke	MD											
University of Michigan	AEI2017	Value-based Simulator Selection: The Creation and Evaluation of the Simulator Value Index Tool	Original	yes	yes	Deborah	Rooney	PhD											
University of Michigan	AEI2018	Development and Early Evaluation of a Web-based Pediatric Craniofacial Simulation Course Utilizing a 3D-Printed Surgical Simulator	Innovative Techniques	no	no	Chelsea	Reighard	MS	X	X		X							
University of Michigan	AEI2018	Michigan Hip Curriculum: Early evaluation of a new curriculum for diagnosis of developmental hip dysplasia	Innovative Techniques	no	no	Deborah	Rooney	PhD	X										
University of Minnesota	AEI2015	Cadaveric Model for Training and Assessment of Traumatic Wound Management and Hemorrhage	Original	no	no	Troy	Reihsen		X	X			X	X					
University of Minnesota	AEI2015	Comparing Mechanical Tissue Properties of Simulator, Animal, and Human Tissue	Original	no	no	Sneha	Somani	BS	X	X		X							
University of Minnesota	AEI2015	Surgical Skills Simulation Workshops Enhance the Effectiveness of Surgical Interest Groups	Descriptive	no	no	James	Harmon	MD, PhD	X	X									

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University of Minnesota	AEI2016	Crowdsourcing Unmet Needs in Simulation-Based Education and Technology	Original	no	no	Cory	Schaffhausen	PhD											
University of Minnesota	AEI2016	Defining and Simulating Needle Insertion Forces for Percutaneous Renal Access	Original	no	no	Lauren	Poniatowski	MS											
University of Minnesota	AEI2016	Enhancing the realism of a surgical simulation cadaver lab using intravascular pressurization technique	Original	no	no	Lauren	Poniatowski	MS											
University of Minnesota	AEI2016	Interprofessional Collaboration Facilitates Enhancements of a Preparation for Internship Curriculum	Original	no	no	Brent	Bauman	MD	X		X	X							
University of Minnesota	AEI2017	A Comprehensive Surgical Simulation Laboratory Improves Student Preparation for Surgical Internship	Descriptive	no	no	Andrew	Sundin	MD	X	X	X								
University of Minnesota	AEI2017	Development of Amputation Training Model for Surgical Skills Workshops	Original	no	no	Shumalla	Anwer	MS		X	X								
University of Minnesota	AEI2017	Increasing survival of healthcare personnel during an active shooter attack: Establishing Face Validity of an interactive simulation training as a better teaching modality	Work in Progress	no	no	Marcos	Molina	MD	X										
University of Minnesota	AEI2017	Multiple Simulation Modalities Enhanced a Preparation for Surgical Internship Course	Original	no	no	Brent	Bauman	MD	X	X									
University of Minnesota	AEI2017	Point-of-care Bedside Ultrasound Training: Expansion within a Surgical Internship Preparation Curriculum	Descriptive	no	no	Victor	Vakayil	MB, BS	X	X	X	X							
University of Minnesota	AEI2018	A Preclinical Cadaveric Evaluation of the Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) Catheter	Poster Presentation	no	no	Zachary	Miller	BS					X						
University of Minnesota	AEI2018	Laparoscopic Repair of Perforated Peptic Ulcers: A Low Fidelity Simulator and Training Curriculum for Surgical Skill Development	Poster Presentation	no	no	Kristen	Cox			X									
University of Minnesota	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	Marcos	Molina	MD		X									
University of Minnesota	AEI2019	International Collaboration through Simulation in the Health Sciences	Poster Presentation	yes	no	Erik	Norbie	BA											Using simulation for international collaboration
University of Minnesota Medical School	AEI2019	Development of a Laparoscopic Trocar Placement Simulation Model: A Preliminary Evaluation	Poster Presentation	no	no	Edward	Walczak	BS	X										Simulation Model
University of Minnesota Medical School	AEI2019	Development of a Tendon Repair Simulation Model: A Preliminary Evaluation	Poster Presentation	yes	no	Jillian	Schommer	BS		X									
University of Minnesota Medical School	AEI2019	Using Causal Models in Psychomotor Performance Assessment	Original Paper	no	no	Alex	Otto	BA	X	X	X								
University of Minnesota/Mayo Clinic	AEI2018	The Role of Posture Assessment Tools in Identifying Trainees' Postures during Surgical Simulation	Original Paper	yes	no	Christopher	Curry			X	X								
University of Minnesota/SimPORTAL	AEI2008	University of Minnesota Perioperative Resource for Training and Learning (SimPORTAL)	NA	no	no	Robert	Sweet	MD, FACS		X									
University of Minnesota/SimPORTAL	AEI2009	A Novel 3D Video Telemedicine System for Education	NA	no	no	Troy	Reihsen	Page 21								X			

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University of Minnesota/SimPORTAL	AEI2009	Critical Response Simulations: Works in Progress	NA	no	no	Jeffrey	Chipman	MD, FACS									X		
University of Minnesota/SimPORTAL	AEI2011	A Hybrid 3-D VR/Physical Pelvis for Training Surgically Relevant Anatomic Principles	Original	no	no	Erlan	Santos	MD	X	X	X								
University of Minnesota/SimPORTAL	AEI2011	The Surgical Simulation Fellowship Program: Developing International Surgical Leaders in the Art and Sciences of Simulation	Descriptive	no	no	Robert	Sweet	MD, FACS	X	X		X							
University of Minnesota/SimPORTAL	AEI2015	Comparing Simulators and Live tissue for life-saving hemorrhage and airway procedures: Evaluation of Critical Failures	Original	yes	no	Robert	Sweet	MD, FACS	X	X	X								
University of Nice	AEI2012	Simulation enhances surgery residents' opinion on the importance of team working	Original	no	no	Jean	Breud	MD, PhD		X		X	X						
University of Nice	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	Jean	Breud	PhD				X							
University of Nice	AEI2014	Pediatric inguinal hernia tutorial using simulation. Development and validation of clinical and surgical models	Original	yes	no	Jean	Breud	PhD	X	X	X								
University of Oklahoma	AEI2012	Variations in Procedure Time Based on PGY Level of General Surgery Residents	Descriptive	yes	no	Jeremy	Johnson	MD	X	X	X	X		X					
University of Oklahoma HSC	AEI2017	Out of the OR and Before the Bench: How to Prepare Surgical Residents for their First Interaction with Attorneys	Descriptive	no	no	Alessandra	Landmann	MD						X					
University of Pennsylvania	AEI2014	Development and implementation of a clinical pathway approach to simulation-based training for foregut surgery	Original	no	no	Kiyoyuki	Miyasaka	MD	X	X		X							
University of Pennsylvania	AEI2014	From the Trauma Bay to the ICU: a novel horizontal simulation curriculum for surgical residents	Original	no	no	Kiyoyuki	Miyasaka	MD	X	X	X	X	X						
University of Pennsylvania	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	Rao	Raghavendra	MD	X		X	X							
University of Rochester Medical Center	AEI2019	Training Multidisciplinary Teams in Nontechnical Skills and OR Safety Using Simulation Based Training	Poster Presentation	no	no	Katherine	Jackson	MD	X	X				X					
University of Tennessee	AEI2018	The Educational Value of the da Vinci Skills Simulator at a Regional Medical Center	Poster Presentation	no	no	Robert	Heidel	PhD			X								
University of Tennessee Knoxville	AEI2015	Emergency Medical Simulation Training for the General Dental Resident	Original	no	no	Chelsea	Balderson	DDS, DNB	X	X	X		X						
University of Toronto	AEI2009	Impact of a Structured Training and Assessment Curriculum (STAC) on the Quality of Skill Acquisition in MIS	Work in Progress	no	no	Neil	Orzech	MD										X	
University of Toronto	AEI2010	A Comprehensive Curriculum for Advanced Laparoscopic Skills	Original	no	no	Neal	Orzech	MD		X	X			X					
University of Toronto	AEI2010	Non-Technical Skills Assessment in the Post Operative Setting	Descriptive	no	no	Bharat	Sharma	MD			X			X					
University of Toronto	AEI2010	Orthopaedic boot camp: Examining the effectiveness of an intensive surgical skills course	Original	no	yes	Ranil	Sonnadara	PhD, MSc	X	X	X	X		X					

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									Curriculum Development	Teaching Methods	Learner Evaluations	Program Evaluations	Patient Safety	Surgical Outcomes	Investigation	Education	In-Development	Other	
University of Toronto	AEI2010	The innovative use of consensus methodology to develop a technical skills evaluation tool.	Descriptive	no	no	Vanessa	Palter	MD	X		X								
University of Toronto	AEI2011	Assessing the Impact of Debriefing on Mental Workload	Original	no	no	Bharat	Sharma	MD		X	X			X					
University of Toronto	AEI2011	Design and Validation of a Model for Training and Assessment of Procedural Skills in Open Surgery	Original	yes	no	Neil	Rittenhouse	MHSc	X	X	X			X					
University of Toronto	AEI2011	Design and Validation of a Surgical Skills Assessment Tool for Laparoscopic Roux-en-Y Gastric Bypass	Work in Progress	yes	no	Boris	Zevin	MD	X		X			X					
University of Toronto	AEI2012	A comparison of self versus external assessment for technical tasks in surgery.	Descriptive	no	no	Boris	Zevin	MD			X								
University of Toronto	AEI2012	Orthopaedic Boot Camp III: Examining the efficacy of student-regulated learning during an intensive laboratory-based surgical skills course	Original	no	yes	Ranil	Sonnadara	PhD	X	X	X								
University of Toronto	AEI2014	Assessing Technical Competence in Surgical Trainees: A Systematic Review	Original	yes	no	Peter	Szasz	MD		X	X	X		X					
University of Toronto	AEI2014	Hazard Zones: For Focused Complex Laparoscopic Surgical Skills Training	Original	no	no	Marisa	Louridas	MD	X	X				X					
University of Toronto	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	Boris	Zevin	MD	X	X	X	X							
University of Toronto	AEI2015	Identifying Learning Needs through Analysis of Coaching Profiles in Laparoscopic Bariatric Surgery	Original	no	no	Esther	Bonrath	MD	X	X	X								
University of Toronto	AEI2015	Optimizing the selection of general surgery residents: a national consensus	Original	yes	no	Marisa	Louridas	MD			X								
University of Vermont	AEI2012	Characteristics in Response Rates for Surveys Administered to Surgical Residents	Original	no	yes	John	Yarger	MD	X		X	X							
University of Vermont	AEI2014	Enhancing Interprofessional Collaboration through Simulation-Based Team Training in Clinical Oncology	Original	no	no	Ted	James	MD, MS, FACS	X	X	X	X	X						
University of Vermont	AEI2017	A Comparison of Rotation-Integration and Block-time Integration of the ACS/APDS Surgical Skills Curriculum	Work in Progress	no	no	George	Ormond	MD	X	X	X	X							
University of Vermont	AEI2017	Trauma Team Performance Training: Development and Pilot of and Interprofessional Monthly Simulation on the Trauma Service	Work in Progress	no	no	Tess	Aulet	MD	X										
University of Washington/ISIS	AEI2009	Faculty Retention Strategies at Institute for Simulation and Interprofessional Studies (ISIS)	NA	no	no	Sara	Kim	PhD										X	
University of Washington/ISIS	AEI2009	Methodologies for Establishing Validity in Surgical Simulation Studies	NA	no	yes	Sara	Kim	PhD							X				
University of Washington/ISIS	AEI2009	Phantom-Based Curriculum for Basics of Interventional Ultrasound	NA	no	no	Todd	Cannon									X			
University of Washington/ISIS	AEI2009	Problem Based Learning (PBL) with Supplemental Interactive Medical Multimedia (PBL-SIMM)	NA	no	no	Dayne	Mickelson									X			
University of Washington/ISIS	AEI2009	Validity of Leak Pressure Testing for Bowel Anastomosis Quality	NA	no	no	Aaron	Jensen	MD							X				

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University of Washington/ISIS	AEI2010	A Novel Basic Open Technical Skills Curriculum with Self- and Expert-administered Assessment Tools	Descriptive	no	no	Andrew	Wright	MD, FACS	X		X	X						
University of Washington/ISIS	AEI2010	Development and Implementation of a System-Wide Central Venous Catheterization Curriculum	Descriptive	no	no	Andrew	Wright	MD, FACS	X	X		X	X					
University of Washington/ISIS	AEI2011	A Structured Self-Directed Basic Skills Curriculum for Novices Results in Technical Performance Approaching that of Intermediate-level Residents	Original	no	yes	Andrew	Wright	MD, FACS		X	X							
University of Washington/ISIS	AEI2011	Enterprise Deployment of a Simulation-based Training and Management program for Central Venous Catheters	Original	no	no	Mika	Sinanan	MD, PhD	X				X	X				
University of Washington/ISIS	AEI2011	Validation of a Novel Assessment Tool for Central Venous Catheterization	Original	no	no	Andrew	Wright	MD, FACS	X	X	X	X	X					
University of Washington/ISIS	AEI2012	Creating the Pre-Trained Novice: A Structured Central Venous Catheterization Curriculum	Original	no	no	Edgar	Figuredo	MD	X		X							
University of Washington/ISIS	AEI2012	Report on the First Consensus Conference on the Fundamentals of Robotic Surgery: Outcome Measures	Original	yes	no	Richard	Satava, Jr.	MD, FACS	NA	NA	NA	NA	NA	NA				
University of Washington/ISIS	AEI2012	Update on the Progress to Establish National and International Collaboration on Curriculum Development - The ASSET and FRS Experience	Descriptive	no	no	Richard	Satava, Jr.	MD, FACS	X			X						
University of Washington/ISIS	AEI2014	Development and assessment of a simulator for open abdominal procedures: The DeepCAV	Original	no	no	Cameron	St. Hilaire			X								
University of Washington/ISIS	AEI2014	Worth a thousand words: Google Glass in surgery	Descriptive	no	no	Gabriel	Wallace	MD		X			X	X				
University of Western Ontario	AEI2011	Determination of Standardized Tasks and Assessment for a Simulation-Based Curriculum in Arthroscopic Knee Surgery	Research Idea	no	no	Marie-Eve	LeBel	MD, FRCSC	X	X								
University of Western Ontario	AEI2011	Simulation-augmented training program for Off-Pump Coronary Artery Bypass surgery: Developing and validating performance assessments	Original	no	yes	Sayra	Cristancho	PhD	X		X			X				
University of Western Ontario	AEI2015	Observational Learning During Simulation-based Training In Arthroscopy: Is It Useful To Novices?	Original	no	no	Marie-Eve	LeBel	MD, MHPE, FRCSC	X	X	X							
University of Wisconsin	AEI2013	Assessing the Validity and Reliability of Two GME Performance Assessment Tools for CME	Original	yes	no	Carla	Pugh	MD, PhD, FACS			X							
University of Wisconsin	AEI2013	Using Video Motion Analysis to Quantify Technical Performance	Original	yes	yes	Carly	Glarnier	MD	X		X			X				
University of Wisconsin	AEI2014	Use of Error Analysis to Assess Resident Performance	Original	no	yes	Anne-Lise	Maag	MD		X	X							
University of Wisconsin	AEI2015	Error Tolerance: A New Psychomotor Performance Metric in Laparoscopic Surgery	Original	no	no	Eran	Gwillim	MD		X	X							
University of Wisconsin	AEI2017	Using Epistemic Network Analysis to Identify Targets for Educational Interventions in Trauma Team Communication	Original	no	yes	Sarah	Sullivan	PhD			X							
University of Wisconsin	AEI2018	Use of Innovative Approaches to Create a Specialty Specific Urology Skills Program	Poster Presentation	yes	no	Barbara	Lewis	MS, RN	X									Innovative Techniques

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University of Wisconsin	AEI2019	A Laboratory Model for Ureteroneocystotomy	Poster Presentation	no	no	Patrick	McKenna	MD, FACS, FAAP	X									
University of Wisconsin, Madison	AEI2018	Teaching Practicing Surgeons What Not to Do: An Analysis of Instructor Coaching Fluidity During a Simulation Based CME Course	Poster Presentation	yes	yes	Martha	Godfrey	MD		X								
UPENN	AEI2018	The Successful Integration of a Non-Clinical Skills Curriculum into Surgery Intern Boot Camp	Original Paper	no	no	Veronica	Zoghbi	MD		X								
USC	AEI2017	The Development and Implementation of a Pressurized Cadaver Simulation Curriculum	Descriptive	no	no	Michael	Minneti	BS	X		X							
USF	AEI2016	Computerizing the ATLS® Post-Test: Implications for Further Study	Original	no	no	Jenny	Guido	MD										
USU	AEI2017	Performance on a Physical Endoscopic Simulation Platform Predicts Performance on the Fundamentals of Endoscopic Surgery (FES) Manual Skills Exam	Original	yes	no	Zachary	Taylor	DO	X		X							
UT Center for Advanced Medical Simulation/UTMCK	AEI2010	Assessment of the core competencies in general surgery residents: A single institution experience	Non-AEI	no	no	Daniel	Alterman	MD			X	X		X				
UT Center for Advanced Medical Simulation/UTMCK	AEI2010	Development and Evaluation of an Open Aortic Aneurysm Repair Simulation	Non-AEI	no	no	Matt	Jones		X	X	X							
UT Center for Advanced Medical Simulation/UTMCK	AEI2013	The Process and Content of Biostatistical Consultation within Simulation	Descriptive	no	no	Robert	Heidel	PhD		X	X	X						
UT Center for Advanced Medical Simulation/UTMCK	AEI2014	Emergency Medical Simulation Training for the General Dental Resident	Descriptive	no	no	Andrew	Young	DDS, DNB	X	X			X					
UT Center for Advanced Medical Simulation/UTMCK	AEI2014	Maximizing Benefit: Five Strategies for Getting the Most from Your Survey Assessment Instruments	Descriptive	no	no	Patrick	Barlow	BA	X			X						
UT Center for Advanced Medical Simulation/UTMCK	AEI2014	Methods for Increasing the Internal Validity of Assessment in Simulation: Lessons Learned in the Applied Perioperative Surgical Simulation Environment	Descriptive	no	no	Robert	Heidel	PhD	X		X	X						
UT Center for Advanced Medical Simulation/UTMCK	AEI2014	The Implementation of Surgical Crisis Checklists in Perioperative Team Simulation	Original	no	no	Paul	Huffstutter	MD, FACS		X			X	X				
UT Southwestern	AEI2008	Regional Collaboration for Technical Skills Training in Surgery Residencies	NA	no	no	Daniel	Scott	MD, FACS				X						
UT Southwestern	AEI2015	An examination of the "seductive details effect" in acquisition and transfer of laparoscopic suturing skills	Original	yes	yes	Aimee	Gardner	PhD	X	X	X	X						
UT Southwestern	AEI2017	Team-based Simulations for New Surgeons: Does Early and Often make a Difference?	Original	yes	yes	Kareem	AbdelFattah	MD	X									
UT Southwestern	AEI2018	Assessing Quality and Resources During Campus-wide Simulation Integration	Poster Presentation	no	no	Joshua	Weis	MD	X									
UT Southwestern	AEI2016	Do Great Teams Think Alike? An Examination of Team Mental Models and their Impact on Team Performance	Original	no	yes	Aimee	Gardner	PhD										

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UTCAMS	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	Paul	Huffstutter	MD, FACS	X	X	X	X						
UTCAMS	AEI2017	The Translation of Simulation-Based Sharps Safety Education to Clinical Surgical Practices	Work in Progress	no	no	Melinda	Klar	RN		X		X	X					
UTMB	AEI2016	Pilot Testing of a Simulation Based Model for Suture Repair of Laparoscopic Bleeding	Original	no	no	James	McClintic	MS			X	X						
UW-CREST	AEI2017	Unified Field Theory of Health Care Simulation	Descriptive	no	no	David	Hananel	BS										
UWSMPH	AEI2018	Competence-based Mastery Learning for Chest Tube Placement: A Study of Anxiety, Confidence, and Performance	Original Paper	no	yes	Andrew	Velic	BS	X	X								
VA Pittsburgh Healthcare System	AEI2019	Multiuse low-cost hematemesis mannequin	Poster Presentation	no	no	Jorge	Lara-Gutierrez	MD										Innovation.
Virginia Commonwealth University	AEI2018	Does Participation in Case-based Cadaver Labs that Include Both Meta-cognitive and Technical Skills Correlate with Trainees' Performance on Surgical Exams and Preceptors' Evaluations?	Poster Presentation	no	no	Susan	Haynes	MS, MEd	X									
VirtuOHSU	AEI2009	Development of a Basic Vascular Specific Surgical Skills Laboratory	NA	no	no	Erica	Mitchell	MD, FACS							X			
VirtuOHSU	AEI2009	Lower Gastrointestinal Endoscopy Simulation Training in a Surgical Skills Training Curriculum	NA	no	no	Raphael	El Youssef	MBBS								X		
VirtuOHSU	AEI2009	Use of a Colonoscopy Simulator to Improve the Learning Curve for General Surgery Residents	NA	no	no	Raphael	El Youssef	MBBS										X
VirtuOHSU	AEI2010	The Current Educational Value of Morbidity & Mortality Conference	Original	no	no	Erica	Mitchell	MD, FACS			X	X						
VirtuOHSU	AEI2015	The Creation of PGY Level Specific FLS Proficiency Benchmarks Allows for Longitudinal Tracking of Multiple General Surgery Milestones Domains	Descriptive	no	no	Donn	Spight	MD, FACS	X	X	X							
Walter Reed/Uniformed Svc	AEI2016	Comparison of FLS Tasks When Training on Standard FLS Platform Versus an Ergonomically Different Platform	Original	no	no	Sarah	Haviland	BS			X	X						
Washington University School of Medicine	AEI2011	A Pilot Study on Real-Time Measures of Surgical Motions in Minimally Invasive Surgery	Original	no	no	Michael	Awad	MD, PhD		X	X							
West Virginia University Hospitals	AEI2018	Effects of Sequential, Supervised Simulation Training on the Acquisition and Long-term Retention of Vascular Surgical Skills	Innovative Techniques	no	no	Cara	Lyle	MD	X	X				X				