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Conference Presentation Abstracts

General Surgery

3-4-2022

Impact of the mental skills curriculum on stress response of surgical residents performing a simulated task

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ACS-AEI SCIENTIFIC POSTER PRESENTATIONS

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NOVEL APPLICATIONS OF TECHNOLOGIES

2022 Poster of Distinction

Nicholas Anton, MS, Indiana University School of Medicine, Indianapolis, IN

Utilizing Eye-Tracking to Assess Resident Non-Technical Skills in Simulation: Results of a Pilot Study

2022 Poster of Distinction

[ACS-AEI Fellow] Rachel Jensen, MD, Stanford University, Stanford, CA

An Innovative Endovascular Surgery Simulation Module Using 3-Dimensional (3D) Printed Models

Fatemeh Rashidi Fathabadi, PhD, Western Michigan University, Kalamazoo, MI

Real-Time Multi-Object Detection for the Peg Transfer Task in a Virtual 3D Space of a Laparoscopic Box-Trainer

ASSESSMENT

Xhesika Shanja-Grabarz, MD, Northwell Health North Shore/Long Island Jewish, New Hyde Park, NY

Uniform Improvement in Self-Assessed Skill and Confidence during Sensor-Based Robotic Simulator Pilot Study

Steven Long, PhD, University of Iowa, Iowa City, IA

Establishing the Reliability of an Orthopaedic Wire Navigation Skill Assessment

Joe Nigh, MD, University of Arkansas for Medical Sciences, Little Rock, AR

Impact of Formal Robotic Surgery Curriculum on Resident Perceptions of Robotic Surgery

IMPROVING OPERATIVE OUTCOMES

Sarah Benammi, MD, University Mohamed V of Rabat, Rabat, Morocco

Does First Assistant Surgeon's Experience in a Training Program without Simulation Training Impact Surgical Outcome?

Neal Getty, PhD, Data Science and Learning Division at Argonne National Laboratory, Lemont, IL

Toward a Context Awareness System Based on Machine Learning with OR Videos to Improve Patient Safety and OR Efficiency

NOVEL CURRICULA

Julie Cox, RN, CCRN, Parkland Memorial Hospital, Dallas, TX

High-Fidelity Multidisciplinary In-Situ Simulation Training: A Novel ECMO Program Process Improvement Project for Low-Frequency, High-Risk Events

2022 Poster of Distinction

[ACS-AEI Fellow] Kathryn Howard, MD, Beaumont Hospital, Royal Oak, MI

The Impact of the Mental Skills Curriculum on the Stress Response of Surgical Residents Performing a Simulated Task

[ACS-AEI Fellow] LaDonna Kearse, MD, Stanford University, Stanford, CA

A Review of Military-Developed Simulation-Based Training Suitable for Civilian Surgeons

Madhuri Nagaraj, MD, MS, University of Texas Southwestern, Dallas, TX

Advanced Techniques in Laparoscopic Suturing (ATLAS): Optimization for National Curriculum Launch

Shannon Sturgeon, BS, Rocky Vista University College of Osteopathic Medicine, Parker, CO

Qualitative Analysis of Second and Third Year Medical Student Experiences with a High-Fidelity Postpartum Hemorrhage Simulation

NOVEL SIMULATORS

Lisa Clemens, MS, PA-C and Cortney Hartman, MBA, CST, CRCST, CIS, FAST, Parkview Health, Fort Wayne, IN

Development of a Cost-Effective Simulation-Based Central Line Task Trainer

Ana Lourido, MD, Universidad del Cauca, Popayan, Colombia

Development of a Low-Cost Training Model for Laparoscopic Common Bile Duct Exploration