



2024 ACS Surgical Simulation Summit Agenda

All sessions and meals will be held at the Swissôtel Chicago. Agenda and speakers are subject to change. The views expressed by individual speakers are their own and do not necessarily reflect those of the American College of Surgeons.

Room Locations

Zurich DEFG and Zurich ABC—First Floor of the Event Centre

Montreux 1, 2, 3 and St. Gallen 1, 2, 3—Second Floor of the Event Centre

Summit Begins

Thursday, March 14

All times below are Central (CT)

7:00 – 8:00 am 60 mins Zurich ABC	Registration, Breakfast & Exhibits
8:00 – 8:15 am 15 mins Zurich DEFG	Opening Session Ajit K. Sachdeva, MD, FACS, FRCS, FSACME, MAMSE , Director, ACS Division of Education, and Chair, ACS Program for Accreditation of Education Institutes Patricia L. Turner, MD, MBA, FACS , Executive Director and Chief Executive Officer, American College of Surgeons (Virtual) Susan Carter, MD, FACOG, FACS , Executive Director and Professor, Rocky Vista University Healthcare Simulation Centers, and 2024 Chair, Program Committee of the AEI Consortium
8:15 – 8:45 am 30 mins Zurich DEFG	State of the ACS-Accredited Education Institutes: 2024 Update Ajit K. Sachdeva, MD, FACS, FRCS, FSACME, MAMSE
8:45 – 9:30 am 45 mins Zurich DEFG	Keynote Address From Simulation to Battlefield Medicine: The Power of Measurement to Improve Performance and Clinical Outcomes Eric Elster, MD, FACS, FRCS Eng (Hon.), CAPT, MC, USN (Ret.) , Professor of Surgery, Professor of Molecular and Cell Biology, Dean, Uniformed Services University School of Medicine

<p>9:30 – 10:00 am 30 mins</p>	<p>Q&A and Discussion Moderator: Ajit K. Sachdeva, MD, FACS, FRCS, FSACME, MAMSE</p>
<p>10:00 – 10:30 am 30 mins Zurich ABC</p>	<p>Break and Exhibits</p>
<p>10:30 – 12:30 pm 120 mins Zurich DEFG</p>	<p>Concurrent Sessions: Paper Session I and MORE Track</p> <p>Papers Session I Cutting-edge scientific presentations will be featured during this oral abstract session. All work being presented is from original research, not previously published or presented. Judges will select the best podium presentation and the winner will be given the Best in Show Award on Friday.</p> <p>Moderator: Patty Lange, MD, FACS, Professor Pediatric Surgery, Children's Hospital of Richmond at VCU</p> <p>Using Simulated Patient Methodology to DE-ESCALATE Surgical Patients: A Pilot Case Study Lauren Weaver, MD, University of Minnesota Discussant: Jamie M. Robertson, PhD, MPH, Brigham and Women's Hospital</p> <p>Comparing General Surgery Residents' Progress with GEARS in Robotic Hiatal Hernia Repair Labs- An Evaluation of Skill Enhancement Daniel Tomey, MD, Houston Methodist Hospital, Department of Surgery Discussant: John Stowers, DO, FACOS, FACS, Oregon Health & Science University</p> <p>Pulmonary Embolism Training Model in Fresh Frozen Cadavers Samantha Cervantes Valadez, MS, Universidad Anáhuac México Norte Discussant: Lars Enochsson, MD, PhD, Umeå University, Sweden</p> <p>Comparing Observed and Preferred Instruction in Robotic Surgery Alyssa Murillo, MD, MS, University of California San Francisco Discussant: Jeremy Dressler, MD, Larner College of Medicine, University of Vermont</p> <p>Can a Generative Artificial Intelligence Model be Used to Create Mass Trauma Simulation Scenarios? A Feasibility Study Sergio M. Navarro, MD, MBA, Mayo Clinic Rochester Discussant: Benoit Blondeau, MD, MBA, FACS, Regions Hospital</p> <p>Training Program for Open Surgical and Endovascular Management of Ruptured Abdominal Aortic Aneurysm Peter Osztrogonacz, MD, Houston Methodist Hospital Discussant: James Johnson, PhD, Atrium Wake Forest Baptist Health Center for Experiential and Applied Learning</p>

<p>Montreux 1-3</p>	<p>Management, Operations, Research and Education (MORE) Track Session Case Studies Related to Streamlining and Realigning Simulation Program Management and Operations</p> <p>Hear case studies from your colleagues about how they improved operations at their simulation centers that not only added value to the work they do, but also to the way they are valued. MBRU will present an innovative portal to facilitate communication between different stakeholders using the simulation center, the University of Chicago will share how they realigned their simulation center’s programming and operations for clinical excellence, and how simulation leadership operations at OhioHealth evolved to optimize efficient delivery of simulation-based learning and to promote collaboration among its growing regional healthcare network.</p> <p>Moderator: Moderator: Jennifer Calzada, MPH, CHSE, FSSH, Director of Simulation Education, Tulane School of Medicine</p> <p>Speakers: Roudha Alhabtoor, Mohammed Bin Rashid University of Medicine and Health Sciences Melissa Cappaert, MA, Executive Director, University of Chicago Simulation Center Priti Jani MD MPH, Faculty Director of Simulation, The University of Chicago Medicine William B. DeVoe, MD FACS, Associate Program Director, Acute Care, Trauma, General Surgery, Surgical Critical Care, and Surgical Simulation, Riverside Methodist</p>
<p>12:30 – 1:30 pm 60 mins Zurich ABC</p>	<p>Lunch and Exhibits</p>
<p>1:30 – 3:30 pm 120 mins</p> <p>Montreux 1</p>	<p>Concurrent Workshops</p> <p>Tools, Techniques, and Strategies for Effective Faculty Development</p> <p>Institutions will share resources and present their best practices in faculty development that attendees will be able to implement at their own simulation centers. Sponsored by the ACS-AEI Faculty Development Committee.</p> <p>Facilitator: John T. Paige, MD, FACS, Professor of Clinical Surgery, LSU Health New Orleans School of Medicine</p> <p>Speakers: Stacy D. Cooper DNP, RN, NEA-BC, Manager of Quality Improvement, Baylor Scott and White Health Rebecca Lyon MS, PA-C, Director of Simulation Education, Baylor Scott and White Health and Baylor College of Medicine- Temple, TX Rebecca Evangelista, MD, FACS, Assoc Dean/Dir Clinical Faculty, Georgetown University, MedStar Health Charles S. Parsons, M.D., FACS, Co-Director Simulation, Shapiro Simulation and Clinical Skills Center (SASC), Beth Israel Deaconess Medical Center Liza Stone, CDR NC USN, MSN Ed, MEDSURG-BC, AMB-BC, PMH-BC, CCCTM, CLEC 3RD PLT BRAVO Surgical CO, 2D MEDICAL BATTALION, HSBTC Nursing Director, Operational Nurse Educator, Portsmouth Naval Medical Center</p>

<p>Montreux 2-3</p>	<p>Gamification for Learner Engagement This workshop will begin with a brief overview of Gamification and the multitude of ways it is already utilized in society—apps on phones with rewards, bonuses, etc. Attention will then be directed to ways that Faculty can utilize Gamification to increase learner engagement. Short games will be played with attendees and then templates will be shared that can be utilized in their respective institutions. Sponsored by the ACS-AEI Faculty Development Committee.</p> <p>Facilitator: Marilee McBoyle, MD, FACS, MAMSE, Surgical Director of the Surgical Residency Skills Lab, University of Kansas School of Medicine – Wichita</p> <p>Speakers: Marilee McBoyle, MD, FACS, MAMSE, Surgical Director of the Surgical Residency Skills Lab, University of Kansas School of Medicine – Wichita Mary Thompson, CHSOS, Clinical Surgical Residency Skills Lab Coordinator, University of Kansas School of Medicine – Wichita Homero Rivas, MD, MBA, FACS, Professor of Surgery, Mohammed Bin Rashid University of Medicine and Health Sciences Mowafak Alzoebie, MD, Surgical Education Fellow, Mohammed Bin Rashid University</p>
<p>St. Gallen 1-3</p>	<p>Do It Yourself Workshop – Model Building This is a hands-on workshop session where participants will rotate through low-cost model building stations for common surgical procedures. This session will explore how to select appropriate models to use in a simulation. Sponsored by the ACS-AEI Administration & Management Committee.</p> <p>Facilitator: Melinda Klar, RN, Administrative Director, UT Center for Advanced Medical Simulation</p> <p>Speakers: Julie Hartman, DC, MS, CHSE, Operations Director, University of Iowa Center for Procedural Skills and Simulation Susan C. Haynes, MSW, MEd, Surgical Simulation Administrator, Virginia Commonwealth University Patty Lange, MD, FACS, Professor Pediatric Surgery, Children's Hospital of Richmond at Virginia Commonwealth University Jenny Garnett, MFA, CST, Simulation Instructional Designer, WISH – University of Washington</p>
<p>Zurich DEFG</p>	<p>ACS-AEI Fellows: Future Leaders in Simulation This session features presentations from Fellows at ACS-AEI-accredited surgical simulation fellowship programs. This talented group of young researchers will describe their in-progress work and ongoing projects. This workshop is applicable to all attendees interested in hearing about their research. Sponsored by the Fellowship Committee.</p> <p>Moderator: Robert M. Sweet, MD, FACS, MAMSE, Professor of Urology, Surgery, and Bioengineering(adj), University of Washington</p> <p>Riley Brian, MD, MAEd, General Surgery Resident, University of California San Francisco Nikunj Donde, MD, Vascular Surgery Resident, UC Davis Health Frederick A. Godley IV, MD, MBA, MS, Surgical Education and Simulation Research Fellow, Massachusetts General Hospital, and Resident, The University of Chicago</p>

	<p>Darian L. Hoagland, MD, Surgical Simulation Fellow, Lahey Hospital & Medical Center Maya L. Hunt, MD, PGY-3 Research Resident, Indiana University School of Medicine Esther Kim, MD, Surgical Education and Simulation Research Fellow, Massachusetts General Hospital Madeline B. Krusing, MD, Surgical Education Fellow, Indiana University School of Medicine Payton M. Miller, MD, Surgical Education Research Fellow, General Surgery PGY3, Indiana University School of Medicine Joshua A. Roshal, MD, Surgical Simulation and Education Research Fellow, University of Texas Medical Branch Deanna L. (Palenzuela) Rothman, MD, General Surgery Resident, Surgical Education and Simulation Research Fellow, Massachusetts General Hospital</p>
3:30 – 4:00 pm 30 mins Zurich ABC	Break and Exhibits
4:00 – 5:00 pm 60 mins Zurich DEFG	New Opportunities for the ACS-AEI Consortium The ACS Division of Education is excited to share several opportunities that will add value for AElS. Learn about how to train a cadre of surgeons who could assist in teaching and assessing the skills of your medical students; how to participate in the ACS Simulation Surgical Educator Training Program; and how to host an ACS Regional Skills Course at your AEl. Moderator: Ajit K. Sachdeva, MD, FACS, FRCS, FSACME, MAMSE Speakers: Ranjan Sudan MD, FACS, Professor in Surgery and Professor in Psychiatry, Duke University Robert M. Sweet, MD, FACS, MAMSE, Professor of Urology, Surgery, and Bioengineering(adj), University of Washington Amy L. Halverson, MD, MHPE, FACS, FASCRS, Vice Chair of Education, Department of Surgery, and Professor of Surgery and Medical Education, Northwestern University Feinberg School of Medicine
5:00 – 6:00 pm 60 mins Zurich ABC	Networking Reception and Exhibits Make connections and mingle with colleagues and friends. The reception includes light hors d'oeuvres, beverages, and a hosted bar. Make this your first stop before heading out to dinner in our wonderful city!
6:00 pm	Offsite Activity – Chicago Pizza Tour Celebrate National Pi Day the Chicago way! Taste legendary pizzas on Chicago's Original Pizza Tour. Trained guides take you on a comfortable bus to highly rated, historic Chicago pizzerias. Our tour includes signature topping slices at each location, 1 beer or glass of wine at each location, and dessert at the last stop. Guests will be picked up from the Swissotel at 6 pm. This tour is limited to 30 people. View the itinerary <i>Note: This activity is being organized by ACS Conventions and Meetings and is separate from the educational program. Pre-registration and an additional fee are required to participate.</i>

	<p>Utilizing a Curriculum Workbook provides the roadmap for creating high-quality simulation activities. Workshop participants will receive the template of a workbook developed by UT Southwestern, which can be adopted at their own institutions.</p> <p>Moderator: Kim Gilmore, MLAS, MPH, Manager of Surgical Simulation, Temple University</p> <p>Speaker: Jeanne Carey, MEd, RN, CHSE-A, Instructional Design Specialist for Simulation, UT Southwestern Medical Center</p>
<p>10:00 – 10:30 pm 30 mins Zurich ABC</p>	<p>Break and Exhibits</p>
<p>10:30 – 11:30 am 60 mins</p> <p>Montreux 3</p> <p>St. Gallen 1</p>	<p>Special Interest Groups (SIGS)</p> <p>Special Interest Groups (SIGs) will bring together attendees sharing a common interest or role to meet informally for 60 minutes of facilitated discussion. SIGs offer excellent opportunities for dialog on a specific topic or topics that are important to you.</p> <p>Five SIGs will be offered, based on the professional roles and interests of our audience.</p> <p>Simulation Center Administrators and Other Support Staff</p> <p>Those who serve as the point of contact for operational issues within the center and take the lead for the overall day-to-day functions, including interacting with learners, faculty, educators, researchers, and technicians to conduct simulation-based education and training.</p> <p>Facilitators: Cristina Alvarado, MBA, BSN, RN, CHSE, Director, Immersive and Simulation-based Learning, The University of Toledo, Lloyd A. Jacobs Interprofessional Immersive Simulation Center Elena An, MHA, Director of Operations, OHSU Simulation Melissa Cappaert, MA, Executive Director, University of Chicago Simulation Center Lisa Satterthwaite, RPN ORT, Senior Manager University of Toronto Surgical Skills and SimSinai Centre at Mount Sinai Hospital, Toronto, Canada</p> <p>Simulation Center Directors</p> <p>Those who are administratively responsible for the entire enterprise of the simulation center.</p> <p>Facilitators: Joseph Crutcher, DHS, Director, Simulation and Education Center Van Elslander Surgical Innovation Center, Ascension Providence Hospital Shannon DiMarco, MSHS, CHSOS, PhD(c), Director, UW Health Craig A. Reickert, MD MBA, FASCRS, FACS, Director, Henry Ford Hospital, Center for Simulation, Education and Research</p>

<p>1:30 – 1:45 pm</p>	<p>session will feature presentations from the winners of the ACS/ASA Simulation Quality and Safety Challenge, followed by discussions on how to use simulation to address quality improvement at your institution.</p> <p>Introduction and Overview Randy Steadman, MD, MS, Carole Walter Looke Centennial Chair, Department of Anesthesiology & Critical Care, Houston Methodist Hospital</p>
<p>1:45 – 2:30 pm</p>	<p>ACS/ASA Simulation Quality and Safety Challenge Podium Presentations: Moderator: Randy Steadman, MD, MS</p> <p>Reducing Hemorrhage-Related Maternal Morbidity Using Interdisciplinary Simulation Training Jessica Gerard, MD, Assistant Professor, Baylor College of Medicine Susan Leong-Kee, MD, Associate Professor, Division Director for Gynecologic and Obstetrics Specialists and Director of Simulation, Baylor College of Medicine Department of Ob/GYN</p> <p>Operating Room Team Training (ORTT): Intentionally Designed Training to Achieve High Performance German Berbel DO, FACOS, FACS Alan Schurle, MD, Assistant Professor, University of Kansas Health System Amy Wolverton, MSN, RN, Learning and Design Strategist, The Zamierowski Institute for Experiential Learning, The University of Kansas Health System</p> <p>The Multi-Disciplinary Management of Early and Late Surgical Airway Emergencies Jimmie Knight III, MD, Surgery Resident, Rush University</p>
<p>2:30 – 3:00 pm</p>	<p>Panel Discussion and Questions for Podium Presenters The discussion will focus on the relationship between the simulation team and the quality team, including, how the podium presenters’ initiatives helped develop or enhance the simulation centers’ collaboration with their quality teams; the resources requested from hospital leadership; and whether data was successfully used to change, improve and/or sustain quality.</p> <p>Moderator: Robert V. Rege, MD, FACS, Associate Dean for Undergraduate medical Education, University of Texas Southwestern Medical School</p> <p>Panelists: Amy Lu, MD, MPH, Chief Quality Officer and VP, UCSF Health, and Professor of Anesthesia and Perioperative Care, UCSF School of Medicine Brian Stein, MD, MS, Chief Quality, Rush University Medical Center Kevin B. Weiss, MD, MPH, Chief Sponsoring Institutions and Clinical Learning Environments Officer, Accreditation Council for Graduate Medical Education</p>
<p>3:00 – 3:30 pm</p>	<p>Break and Gallery Walk of the ACS/ASA Simulation Quality and Safety Poster Presentations Presenters will define the problem addressed, the intended impact (“elevator pitch”), the “ask” for resources from hospital leadership, as well as their methodology, results, and outcomes.</p> <p>Q1 – A Multidisciplinary Cardiopulmonary Bypass Simulation Alice Whyte, MBBS, FANZCA, Associate Professor, UPMC</p>

	<p>Q2 – The Utility of Sugammadex Storage for Emergent Reversal of a Neuromuscular Blockade in “Can’t Intubate, Can’t Ventilate” Scenarios Austin Shaffer, DO Kevin Varner DO CA-2, OhioHealth - Doctor's Hospital</p> <p>Q3 – Interprofessional Communication Training During a Simulated Perioperative Crisis Christine Nguyen-Buckley, MD, Assistant Clinical Professor, Department of Anesthesiology and Perioperative Medicine, UCLA</p> <p>Q4 – Evaluation of a New Educational Initiative Utilizing a Novel Modular Tracheostomy Complication Task Trainer to Improve Anesthesiology and Surgical Residents' Comfort and Skill in Managing Life-Threatening Tracheostomy Complications Nathan Anonuevo, MD, PGY-4, NYU Langone Health Stacy Joo, MD, PGY-4, NYU Langone</p> <p>Q5 – A Novel Simulation for Trialing Robotic Intra-Operative Emergency Protocols Frederick A. Godley IV, MD, MBA, MS, Surgical Education and Simulation Research Fellow, Massachusetts General Hospital, and Resident, The University of Chicago</p> <p>Q6 – Multidisciplinary Simulation-Based Team Training to Improve Operating Room Communication Darian L. Hoagland, MD, Surgical Simulation Fellow, Lahey Hospital & Medical Center</p> <p>Q7 – Safer Percutaneous Tracheostomies Through Multidisciplinary Team Training Nyera Youssef, DNP, CRNA, Massachusetts General Hospital</p> <p>Q8 – Virtual Reality Simulation to Improve Central Line Training Santiago Uribe-Marquez, MD, Anesthesiology, Critical Care Medicine, Henry Ford Hospital</p> <p>Panel Discussion and Questions to Poster Presenters</p> <p>Moderator: Jeffrey B. Cooper, PhD, Professor Emeritus, Department of Anesthesia, Critical Care and Pain Medicine, Massachusetts General Hospital and Harvard Medical School</p> <p>Panelists: Amy Lu, MD, MPH Brian Stein, MD, MS Kevin B. Weiss, MD, MPH</p>
3:30 – 4:15 pm	
4:15 – 4:30 pm	<p>Call to Action Randy Steadman, MD, MS Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, MAMSE</p>
4:30 – 4:45 pm	<p>Closing Remarks/Summit Concludes Susan Carter, MD, FACOG, FACS Ajit K. Sachdeva, MD, FACS, FRCSC, FSACME, MAMSE</p>