



ASSOCIATION FOR SURGICAL EDUCATION

ASE 2021 ANNUAL MEETING

Energizing Surgical Education

April 29 - May 1, 2021

President: Daniel J. Scott, MD

Program Committee: Marc de Moya, MD, FACS Program Chair;
Aimee Gardner, PhD Vice Chair; Roy Phitayakorn, MD, MHPE
(MEd), FACS; John Paige, MD

For more information, visit

www.surgicaleducation.com/annual-meeting-information/

2021 ASE ANNUAL MEETING

ASE PRESIDENT'S WELCOME MESSAGE



On behalf of the Association for Surgical Education (ASE), I am pleased to welcome you to the 2021 ASE Virtual Annual Meeting. I would like to thank ASE Program Chair Marc de Moya, MD, and our Program Committee for spearheading a virtual meeting which promises to be timely, informative, and at the forefront of the topics central to surgical education.

This year's Folsie Lecture will be presented by Andre Campbell, MD, who will give a critically important talk on "Diversifying the Surgical Pipeline" on Thursday, April 29. This year's Laycock Lecture will be presented by Mary McCarthy, MD, who will give a second critically important talk on "The Future of Women in Surgery: Playing Offense, Not Defense" on Friday, April 30.

The ASE will be offering four excellent pre-meeting courses about clerkships, team leadership, the fundamentals of a career in surgical education, and the fundamentals of teaching. The Coordinator Track Program will include critical updates on how to pivot with COVID, best practices for the match, and other important topics. The Annual Meeting will include panels, podium presentations, workshops, and a competition with topics relevant to our attendees across the spectrum, including how to deal with microaggressions, education scientist training, and designing effective surveys, to name just a few.

I look forward to speaking to you about the theme of this year's meeting, Energizing Surgical Education. The ASE will also be focusing on the rich history of the organization as well as our future endeavors, including some exciting Diversity, Equity, & Inclusion (DEI) initiatives. I know that there is fatigue related to virtual meetings but I believe that the platform will allow for our attendees to stay safe but also foster relationships and collaborations, both new and existing, and to come away with best practices that are tangible.

I look forward to seeing you soon and thank you for your participation.

Sincerely,

Daniel J. Scott, MD
President
Association for Surgical Education

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INDUSTRY SUPPORT ACKNOWLEDGEMENT

Thank you to Ethicon, Part of the Johnson & Johnson Medical Devices Companies for their support of the ASE Annual Meeting with an educational grant.

Thank you to our Institutional Sponsors for their support of the ASE Annual Meeting:

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Surgery

2021 ASE EXHIBITS

Visit the ASE virtual booths to learn about the latest medical education technology and resources during the official exhibit viewing times:

April 29, 2021 – 9:00 am to 11:00 am and 5:00 pm to 5:45 pm

April 30, 2021 – 8:00 am to 9:00 am and 10:00 am to 10:30 am

May 1, 2021 – 9:30 am to 10:00 am and 11:00 am to 11:30 am

Thank you to our Exhibitors for their support of the ASE 2021 Annual Meeting:

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Simsei Simulation was developed by Applied Medical as a result of the company's founding purpose to improve patient outcomes while making healthcare more affordable and accessible. Built on a solid foundation of best practices in education and developed in close collaboration with the surgical community, Simsei Simulation strives to enhance education content, processes and retention. Through competency-based methods, Simsei Simulation facilitates knowledge, skill and attitude adoption, with the goal of improving the efficiency and effectiveness of simulation-based surgical education programs, and ultimately improving patient care.

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HCA Healthcare Training Program Outreach is dedicated to strengthening our relationships with residency and fellowship programs across the country to ensure the success of future physicians. For physicians in training, we offer complimentary resources, including: • Monthly financial assistance through our resident and fellow stipend program • Educational seminars and virtual and on-campus sessions • CV and interview preparation resources • MGMA salary data • Nationwide job opportunities

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Disclosure Information

In compliance with the ACCME Accreditation Criteria, the American College of Surgeons must ensure that anyone in a position to control the content of the educational activity has disclosed all relevant financial relationships with any commercial interest. All reported conflicts are managed by a designated official to ensure a bias-free presentation.

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American College of Surgeons and the Association for Surgical Education. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

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Annual Meeting Objectives

The ASE Annual Meeting is an independent, educational, scientific conference that promotes scientific knowledge, medical advancement, and the delivery of effective healthcare. At the end of this activity, participants will be able to:

1. Discuss principles of adult learning theory
2. Discuss advances in surgical training in general and the use of simulator in particular
3. Describe major barriers to effective teaching in the surgical clinic and how to minimize these barriers
4. Describe the environmental and teacher characteristics that are associated with effective and ineffective OR teaching
5. Describe major barriers to effective teaching in the OR and what can be done to minimize these barriers
6. Provide specific useful feedback to learners

DISCLOSURE INFORMATION

In accordance with the ACCME Accreditation Criteria, the American College of Surgeons must ensure that anyone in a position to control the content of the educational activity (planners and speakers/authors/discussants/moderators) has disclosed all financial relationships with any commercial interest (termed by the ACCME as “ineligible companies”, defined below) held in the last 24 months (see below for definitions). Please note that first authors were required to collect and submit disclosure information on behalf all other authors/contributors, if applicable.

INELIGIBLE COMPANY: The ACCME defines a “commercial interest” as any entity producing, marketing, re-selling, or distributing health care goods or services used on or consumed by patients. Providers of clinical services directly to patients are NOT included in this definition.

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SPEAKERS / MODERATORS / DISCUSSANTS / AUTHORS WITH DISCLOSURES

NAME	COMPANY	ROLE	RECEIVED
Michael M Awad, MD, PhD	Intuitive Surgical	Research Grant	Educational Grant
Jeffrey A Blatnik, MD, FACS	Bard Surgical	Speaking/Teaching	Consulting Fee
	Intuitive Surgical	Speaking/Teaching	Consulting Fee
Jeffrey Carpenter	Endologix	Consultant	Consulting Fee
Denise Gee	New View Surgical	Advisory Committee	Other
	Boston Scientific	Advisory Committee	Other
	Ethicon	Consultant	Consulting Fee
	Medtronic	Consultant	Consulting Fee
Jacob A Greenberg, MD, EdM	BD Interventional	Research Grant	Industry Supported Research
	Medtronic	Research Grant	Industry Supported Research
David Han	Penn State	Inventor	Royalty
Daniel Hashimoto	Verily Life Sciences	Consultant	Consulting Fee
	Gerson Lehrman Group	Consultant	Consulting Fee
	Intuitive Surgical Foundation	Co-PI on grant from the Intuitive Foundation	Research
Kimberly Hendershot, MD	Step Into Surgery	Editor of Medical student textbook	Editor of Medical student textbook by Decker Publications
Rana Higgins, MD	Intuitive Surgical	Speaking/Teaching	Honoraria
	WL Gore	Speaking/Teaching	Honoraria

Sarah Jung, PhD	Doris Duke Charitable Foundation	Independent Contractor	Salary
John F Lazar, MD	Intuitive Foundation	Research Grant	Industry Supported Research
Joseph Lombardi	Cook Medical	Consultant	Consulting Fee
	Endologix	Consultant	Consulting Fee
Scarlett R Miller	Medulate	CEO	Ownership Interest
	Penn State	Inventor	Intellectual Property Rights
	National Institutes of Health	Research Grant	Research Grant
Jason Moore	Medulate	Chief Technology Officer	Ownership Interest
	Penn State	Inventor	Royalty
	National Institutes of Health	Research Grant	Grant
Daniel S Oh, MD, FACS	Intuitive Surgical Inc.	Employment	Salary
John Paige	Springer Nature	Editor two books - IP simulation; surgical education	Royalty
	SGEA	PI on team assessment tool development	Other
	IAMSE	PI for team dynamics research	Other
	Acell, Inc.	Site investigator for DFU study	Other
	Boston Scientific	Consultant	Consulting Fee
	Oxford University Press	Editor book on simulation in radiology	Royalty
John R Porterfield, MD, MSPH, FACS	Intuitive	Consultant	Consulting Fee
Rishindra M Reddy, MD	Intuitive Surgical	Consultant	Consulting Fee
	Auris Health	Consultant	Consulting Fee
	Medtronic	Advisory Committee	Consulting Fee
	Intuitive Surgical	Speaking/Teaching	Consulting Fee
	Auris Health	Consultant	Consulting Fee
	Medtronic	Advisory Committee	Consulting Fee
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	Novo Nordisk	Partner in MTC Consortium Registry DMC	Supported Data Monitoring Committee(DMC)
	Astra Zeneca	Partner in MTC Consortium Registry DMC	Supported Data Monitoring Committee(DMC)
	Eli Lilly	Partner in MTC Consortium Registry DMC	Supported Data Monitoring Committee(DMC)
	Exelixis	Partner received research grant	Industry Supported Research
	Eli Lilly	Partner received research grant	Industry Supported Research
	GSK, Novo Nordisk, A. Zeneca, E. Lilly	Data Monitoring Committee	Honoraria
	Exelixis and Eli Lilly	Research Grant	Industry Supported Research

Nick Sevdalis	London Safety and Training Solutions Ltd	Consultant	Consulting Fee
Julie A Sosa, MD, MA	Exelixis	Research Grant	Industry Supported Research
	GlaxoSmithKline	Part of DMC for MTC Consortium Registry	Supported Data Monitoring Committee(DMC)
	Novo Nordisk	Part of DMC for MTC Consortium Registry	Supported Data Monitoring Committee(DMC)
	Astra Zeneca	Part of DMC for MTC Consortium Registry	Supported Data Monitoring Committee(DMC)
	Eli Lilly	Part of DMC for MTC Consortium Registry	Supported Data Monitoring Committee(DMC)
	Eli Lilly	Research Grant	Industry Supported Research
Dimitrios Stefanidis	ExplORer surgical	Principal investigator of funded project	Research
Thomas Ward	Olympus Corporation	Research	Research

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Allyse	Zondlak

PRE-MEETING COURSES - MONDAY, APRIL 26, 2021

Troubleshooting Your Core Clerkship

Time: 11:00AM - 5:00PM CT

Speakers: Jennifer Choi, MD; Marc de Moya, MD; Shima Fitzgibbons, MD; Lindsay Gluf-Magar, BS, CCAP, APACS; Ellen J. Hagopian, MD; Mary Ann Hopkins, MD; Fernando L. Joglar, MD; James N. Lau, MD, MHPE, FACS; Matthew YC Lin, MD; Megan Rendina; Rachel Slotcavage, MD; Katie J. Stanton-Maxey, MD; Ming-Li Wang

DESCRIPTION

The course is a virtual program that serves the same purpose as the in-person annual clerkship directors pre-meeting course. This is the annual venue for new and continuing surgery clerkship directors and coordinators to teach and learn all aspects of the surgery core clerkship in undergraduate medical education. This 6-hour program will include 5 topic areas arranged in one-hour block sessions. These block sessions will consist of 2-3 mini presentations by content experts (clerkship directors or coordinators) followed by breakout room discussions in smaller groups facilitated by clerkship directors and coordinators. The five content areas will be: 1) Clerkship didactic teaching (in-person, flipped, and virtual); 2) The technology of teaching and learning (virtual platforms, polling, SharePoint, exam hosting software); 3) Assessment (clinical, skills, and narrative); 4) Student Support (wellness and mistreatment); and, 5) Accommodations (disability, pregnancy, personal leave time). The five session/topic areas will be flanked by an introduction and concluding remarks. Between sessions there will be smaller sessions giving updates relevant to clerkship directors and coordinators. These will be ASE/ACS Medical Student Core Curriculum update by Dr. Marc de Moya, NBME Workgroup update by Dr. Jesse Moore, and WISE MD Update by Dr. Mary Ann Hopkins. The format would allow participants to choose the topic areas that are most relevant to their clerkship needs and arrange their schedules to attend those or all the sessions.

LEARNING OBJECTIVES

1. Develop and maintain an educational community of clerkship directors and coordinators
2. Discuss the structure, function, and issues related to the surgery core clerkship
3. Introduce and discuss with new clerkship directors and coordinators the various components of the core clerkship duties and responsibilities
4. Discuss and promote best teaching and learning practices developed around COVID-19

Team Leadership for Surgeon Educators

Time: 1:00PM - 5:00PM CT

Speakers: Christie Bialowas, MD; Darlene J. Bourgeois, EdD; Taryne A. Imai, MD, MEdHP(c); Alison Brandeis Johnson; Daniel B. Jones, MD, MS; Kenneth A. Lipshy, MD; Joon Shim, MD, MPH, FACS; Trista Smith; Ming-Li Wang

DESCRIPTION

BACKGROUND

Surgeons are often tasked with leadership roles in operating rooms, local institutions and national organizations without any formal leadership training. Leadership in healthcare involves good management and team focus. As team leaders we are asked to mentor, motivate, inspire and coach while affecting change within our institutions. As surgical teams become increasingly interprofessional and interdisciplinary, effective leadership becomes more important for team development. Successful leadership is crucial for providing improved patient safety and exceptional quality of care.

METHODS

Simulation is an effective method to teach leadership skills through experiential learning and deliberate practice. This course will present important leadership concepts and corresponding skills in a large group setting followed by break-out sessions. Skills to be practiced in the simulated environment include mentorship, providing effective feedback, communication and conflict management in difficult situations, and managing emotional intelligence when mentoring and leading. Learners will practice giving feedback and mentorship in a safe but challenging simulated environment. Learners will participate in simulated scenarios designed to manage their own emotions while interacting with a trainee or staff member. Participants will evaluate aspects of team performance to differentiate both effective and ineffective methods in relation to leadership.

CONCLUSION

Leadership skills essential to the surgeon can be learned and practiced in a small group setting using simulation. Becoming an effective leader will enhance teaching ability and communication with staff and patients. Upon completion of this course, participants will be able to apply these skills to their daily workflow regardless of current leadership role.

LEARNING OBJECTIVES

1. Discuss characteristics and character qualities of effective leaders and mentors.
2. Identify and demonstrate techniques for effective mentorship and coaching.
3. Identify the characteristics of conflict and develop an understanding of his/her own conflict management style.
4. Practice providing feedback to team members and communicating in difficult circumstances.
5. Assess and self-reflect on his/her own ability to manage thoughts and behaviors as well as implement a personal plan for strengthening his/her emotional intelligence.

PRE-MEETING COURSES - TUESDAY, APRIL 27, 2021

Fundamentals of a Career in Surgical Education: Pathway to Clinical Educator

Time: 8:00AM - 11:00AM CT

Panelists: Adnan Alseidi, MD, EdM; Michael Awad, MD, PhD; Barbara J. Pettitt, MD; Daniel Scott, MD; Dimitrios Stefanidis, MD, PhD; Ranjan Sudan, MD

Speakers: Kevin Y. Pei, MD, MHSEd, FACS; Nell Maloney Patel, MD, FACS; Brigitte Smith, MD; Susan Steinemann, MD, FACS

DESCRIPTION

This course is designed to give the participant the fundamentals to get started in an academic career in surgery education. Designed to meet the career needs of all levels from residents to junior faculty, the course will offer tangible strategies and lessons learned from leaders in Surgical Education. Our goal is to help define specific pathways for those considering a career focused on surgery education. This course will define an academic surgery educator (job description), describing the necessary educational skills to obtain, overcoming challenges, developing tools to promote skills, and achieving academic productivity. The course has been reworked to meet the needs of an online format with both didactic and interactive sessions, highlighting the various opportunities and resources available to develop an academic career in surgery education.

Breakout rooms will be used extensively to facilitate discussion and allow for working groups around teaching portfolio development.

PATHWAYS TO CLINICIAN EDUCATOR LEADERSHIP

1. Expert panel to discuss their pathway to academic leadership in Surgical Education
2. Overcoming setbacks/failure- learning strategies to regroup and move forward
3. Case-based presentations from course participants on how to create an academic career and how to handle various challenges

ACADEMIC PRODUCTIVITY

1. Explain the fundamentals of educational research; how to ask the right questions and how to answer them
2. Discuss ways to get support for educational research-financial, personnel, materials
3. List credible publication/venues for educational projects/presentations
4. Describe strategies for scholarly productivity in surgery education
5. Identify available institutional and national resources to support educational research

TEACHING PORTFOLIO

1. Prepare a teaching portfolio
2. Discuss the usefulness of a teaching portfolio for professional development
3. Integrate the aims of a teaching portfolio with personal academic goals & needs
4. Describe the tenets used for academic promotion
5. Illustrate the type of activities and credentials needed to fill in each of the tenets
6. Recognize available resources to build up a CV and a personal statement of education
7. Breakout groups to provide guided discussions to help participants develop their teaching portfolio. Course participants with portfolios may submit prior to the course for directed review by ASE leadership

LEARNING OBJECTIVES

1. Prioritize opportunities for academic advancement based on a robust educational profile
2. Develop a personal Teaching Portfolio using a template provided through the course and under the direction of course faculty
3. Implement strategies to do meaningful research in surgical education to further promote academic success

SELF Session 1 (invitation only)

Time: 9:00AM - 5:30pm CT

Faculty: Laura Torbeck, PhD, Jeremy Lipman, MD, Kevin Pei, MD

DESCRIPTION & GOALS

The ASE Surgical Education and Leadership Fellowship (SELF) is a one-year fellowship designed for all ASE members who wish to improve their teaching, education design, and leadership skills in surgical education. The Fellowship is designed as an ongoing self and mentored program throughout the course of one year. Participants will be assigned an experienced advisor who will meet with each fellow three times during the year to coach and advise on a teaching area that each fellow individually identifies that they want to improve. Advisors are carefully assigned to ensure the “best fit” for the fellow’s interest.

PROGRAM GOALS

- Provide tools necessary to enhance abilities as teachers and leaders in surgical education.
- Provide coaching/advising to all members who wish to improve an area of their teaching.
- Provide ASE on-boarding guidance to new members
- Establish an invaluable, life-long network of colleagues who share their career aspirations and interests.

Fundamentals of Teaching

Time: 12:30PM - 5:00PM CT

Speakers: Abbey L. Fingeret, MD; Jeremy Lipman, MD; Kevin Y. Pei, MD, MHSEd, FACS; Nell Maloney Patel, MD, FACS

DESCRIPTION

This highly interactive half-day pre-meeting course uses a case-based approach to the fundamentals of teaching. It is designed for those taking on a new teaching role or who would like to enhance their abilities as a clinical teacher. The course will cover teaching in the operating room, giving feedback, and using simulation. Participants will leave with new skills, knowledge, and energy they can apply to their learners.

LEARNING OBJECTIVES

1. Apply scaffolding to a surgical procedure
2. Practice goal setting for a clinical encounter
3. Describe cognitive load and its impact on learning and feedback
4. Apply principles of adult learning
5. Apply the principles of useful formative feedback

WEDNESDAY, APRIL 28, 2021

9:00AM – 5:00PM

SELF Session 2 (invitation only)

Faculty: Laura Torbeck, PhD, Jeremy Lipman, MD, Kevin Pei, MD

DESCRIPTION & GOALS

The ASE Surgical Education and Leadership Fellowship (SELF) is a one-year fellowship designed for all ASE members who wish to improve their teaching, education design, and leadership skills in surgical education. The Fellowship is designed as an ongoing self and mentored program throughout the course of one year. Participants will be assigned an experienced advisor who will meet with each fellow three times during the year to coach and advise on a teaching area that each fellow individually identifies that they want to improve. Advisors are carefully assigned to ensure the “best fit” for the fellow’s interest.

PROGRAM GOALS

- Provide tools necessary to enhance abilities as teachers and leaders in surgical education.
- Provide coaching/advising to all members who wish to improve an area of their teaching.
- Provide ASE on-boarding guidance to new members
- Establish an invaluable, life-long network of colleagues who share their career aspirations and interests.

1:00PM – 5:00PM

ASE Board of Directors Meeting

7:30PM – 8:30PM

SERF Graduation (open to all ASE Members)

SERF Director: Maura Sullivan, PhD

Join your ASE colleagues in recognizing and celebrating SERF graduates from 2020 and 2021. We will also be recognizing our dedicated SERF Advisors.

Join Zoom Meeting: <https://usc.zoom.us/j/92923323379>

Times Listed in Central Time Zone

9:00AM – 11:00AM

Exhibit Break

9:30AM – 11:00AM

Education Scientist Training

Moderator: Laura Torbeck, PhD

Speakers: Judith C. French, PhD; Lily Pien, MD, MHPE

DESCRIPTION

During a review of evaluation forms for various residency programs, we discovered a wide variety of styles and instructions. Our original focus was on the written narrative portion but our analysis showed there are many areas for improvement (e.g., number of questions, unclear instructions, core competencies and milestone usage, and open comment boxes). We've created some guidelines we think are useful to getting the information you need to help your trainees grow and provide data to your training program. This workshop gives you the chance to evaluate evaluation forms using a guideline template we created and to modify the guideline template to help make it work. This is your chance to be the critic!

LEARNING OBJECTIVES

1. To review various residency evaluation forms.
2. To identify areas of improvement in evaluation forms.
3. To create guidelines for developing evaluation forms.

11:00AM – 11:15AM

Welcome Remarks

Daniel Scott, MD, President and Marc de Moya, MD, Program Chair

11:15AM – 12:15PM

Panel 1: Artificial Intelligence - Friend or Foe

Moderator: Daniel A. Hashimoto, MD, MS and Thomas Ward

Panelists: Amin Madani, Lena Maier-Hein, Ann Majewicz Fey; Carla Pugh, MD; Swaroop Vedula

DESCRIPTION

This panel will provide a pro/con debate about the value of Artificial Intelligence (AI) in education and provide the basic definitions of AI and Machine Learning.

LEARNING OBJECTIVES

1. Define Artificial Intelligence
2. Define Machine Learning
3. Describe applications of AI to surgical education

12:30PM – 2:00PM

Plenary Session I

Moderators: Marc de Moya, MD & Noelle Saillant, MD

PL01: TRANSITION FROM TRAINEE TO EDUCATOR IN THE OPERATING ROOM: A NEEDS ASSESSMENT AND FRAMEWORK TO SUPPORT JUNIOR FACULTY

Kenneth Lynch, Jr., PhD, APRN¹; Rebecca Brown, MD²; Emily Steinhagen, MD, FACS, FASCRS³; Deborah Lynn Jacobson, MD⁴; Neha Malhotra, MD⁵; Kimberly Hendershot, MD⁶; Kirstyn Brownson, MD⁴; Christie Buonpane, MD⁷; Christie Bialowas, MD⁸; Hossam K Abdou, MD²; Brigitte Smith, MD, MHPE, FACS, FSVS⁴; Megan Miller, MD⁹; ¹Brown University; ²University of Maryland Medical Center; ³University Hospitals Cleveland

Medical Center, Case Western Reserve University School of Medicine; ⁴University of Utah School of Medicine; ⁵Mount Sinai Health System; ⁶University of Alabama at Birmingham; ⁷Hartford HealthCare Medical Group, Geisinger Medical Center; ⁸Albany Medical Center Division of Plastic Surgery; ⁹UH Cleveland Medical Center

Discussant: Alan Harzman, MD, The Ohio State University

PL02: THE FIRST COVID-19 PANDEMIC WAVE AND THE EFFECT ON HEALTHCARE TRAINEES: A NATIONAL SURVEY STUDY

Helen H Liu, DO¹; Raelina Howell, MD¹; Cindy Alsamarraie, BS¹; Nicole Tariche, MS²; Meredith Akerman, BS¹; Barbara Brathwaite, DNP¹; Wendy Kinzler, MD¹; James Maurer, MD¹; Collin Brathwaite, MD¹; ¹NYU Long Island School of Medicine; ²Tufts University

Discussant: Jeremy Lipman, MD, Cleveland Clinic

PL03: A NOVEL APPROACH TO QUANTIFYING SURGICAL WORKFLOW IN ROBOTIC-ASSISTED LOBECTOMY

Ariana Metchik, MD¹; Kiran D Bhattacharyya²; Sadia Yousaf, MD²; Anthony Jarc, PHD²; Daniel S Oh, MD, FACS³; John F Lazar, MD⁴; ¹Department of General Surgery, MedStar Georgetown University Hospital, Washington, DC, USA; ²Department of Medical Research, Intuitive Surgical, Inc., Norcross, GA, USA; ³University of Southern California Thoracic Surgery, Keck School of Medicine, Los Angeles, CA, USA; ⁴Division of Thoracic Surgery, Georgetown University School of Medicine and MedStar Washington Hospital Center, Washington, DC, USA

Discussant: Sarah Jung, PhD, University of Wisconsin-Madison

Live Q&A with Rebecca Brown, MD; Helen H Liu, DO; Ariana Metchik, MD

PL04: HOW WELL DO PROGRAM DIRECTORS KNOW THEIR RESIDENTS? PERCEPTIVENESS ABOUT RESIDENT REPORTS OF MISTREATMENT, BURNOUT, ATTRITION, AND SUICIDALITY

Brian J Nasca, MD¹; Elaine O Cheung, PhD¹; Joshua S Eng, PhD¹; Lindsey M Zhang, MD, MS¹; Douglas S Smink, MD, MPH²; Jacob A Greenberg, MD, EdM³; Karl Y Bilimoria, MD, MSCI¹; Yue-Yung Hu, MD, MPH¹; ¹Northwestern University; ²Brigham and Women's Hospital; ³University of Wisconsin

Discussant: Teviah Sachs, MD, MPH, Boston University

PL05: USE OF ARTIFICIAL INTELLIGENCE FOR GENDER BIAS ANALYSIS IN LETTERS OF RECOMMENDATION FOR GENERAL SURGERY RESIDENCY CANDIDATES

Daniel Sarraf¹; Vlad Vasiliu, PhD²; Ben Imberman, BS³; Brenessa Lindeman, MD, MEHP¹; ¹University of Alabama School of Medicine; ²Emek Yizrael Academic College; ³University of California at Irvine

Discussant: Adnan Alseidi, MD, EdM, FACS, University of California San Francisco

PL06: MULTI-DISCIPLINARY ASSESSMENT OF THE ENTRUSTABLE PROFESSIONAL ACTIVITIES OF SURGERY RESIDENTS

S Jung; CC Stahl; AA Rosser; AS Kraut; BH Schnapp; M Westergaard; AG Hamedani; RM Minter; JA Greenberg; University of Wisconsin-Madison

Discussant: Dimitrios Stefanidis, MD, PhD, Indiana University

Live Q&A with Brian J Nasca, MD; Daniel Sarraf, and CC Stahl

Plenary Session II

Moderators: Aimee Gardner, PhD & Anip Joshi, MD

PL07: THE EFFECT OF GENDER DYADS ON THE QUALITY OF NARRATIVE COMMENTS BY FACULTY FOR GENERAL SURGERY TRAINEES

Aishwarya Roshan¹; Ameer Farooq, MD, MPH¹; Anita Acai, MSc²; Natalie Wagner, PhD³; Ranil R Sonnadara, PhD²; Tracy M Scott, MD, MHPE, FRCSC¹; Ahmer A Karimuddin, MD, MAEd, FRCSC¹; ¹University of British Columbia; ²McMaster University; ³Queen's University

Discussant: James Lau, MD, MHPE, FACS

PL08: EXPLORING GROWTH AND FIXED MINDSET WITHIN APPLICANTS TO A GENERAL SURGERY RESIDENCY

Sarah Hayek, MD, MEd; Christie Buonpane, MD; Ryan Shabahang; Mohsen Shabahang, MD, PhD; Geisinger Medical Center

Discussant: Nabil Issa, MD, Northwestern University

PL09: COMPARING THE QUALITY OF TRAINEE-DIRECTED NARRATIVE COMMENTS BY ROTATION SETTING: DISTRIBUTED VERSUS ACADEMIC SITES

Aishwarya Roshan¹; Natalie Wagner, PhD²; Anita Acai, MSc³; Ranil R Sonnadara, MSc, PhD³; Tracy M Scott, MD, MHPE, FRCSC¹; Ahmer A Karimuddin, MD, MAEd, FRCSC¹; ¹University of British Columbia; ²Queen's University; ³McMaster University

Discussant: Michael Awad, MD, PhD, Washington University in St. Louis

Live Q&A with Aishwarya Roshan; Sarah Hayek, MD, MEd; Anita Acai, MSc

PL10: IMPACT OF A "RESIDENTS AS TEACHERS" WORKSHOP AT ONE YEAR FOLLOW-UP

Aaron E Tipton, MD; Asya Ofshteyn, MD; Mark J Anderson, MD; Jonathan Bliggenstorfer, MD; Megan Miller, MD, FACS; John Ammori, MD; Emily Steinhagen, MD, FACS, FASCRS; University Hospitals Cleveland Medical Center

Discussant: Mayur Nayaran, MD, MPH, MBA, MHPE, FACS, FCCM, FICS, DABS

PL11: ASSESSING LEARNER ENGAGEMENT WITH VIRTUAL EDUCATIONAL EVENTS: DEVELOPMENT OF THE VIEM TOOL

Karen J Dickinson, MBBS, MD, BSc, MEd, FRCS¹; Katharine E Caldwell, MD, MSCI²; Michael Awad, MD, PhD, FACS²; Sanda A Tan³; Joshua H Winer, MD, FACS⁴; Kevin Y Pei⁵; ¹University of Arkansas for Medical Sciences; ²Washington University in St Louis; ³University of Florida Health; ⁴Emory University; ⁵Parkview Health

Discussant: Megan Miller, MD, University Hospitals Cleveland Medical Center

PL12: COGNITIVE BIAS AND SEVERITY OF HARM FOLLOWING SURGERY: PLAN FOR WORKFLOW DEBIASING STRATEGY

Anthony Antonacci, MD, SM, FACS¹; Samuel P Dechario²; Gregg Husk, MD¹; David Rindskopf, PhD³; Mark Jarrett, MD, MBA, MS¹; ¹Northwell Health; ²Institute for Spine and Scoliosis; ³City University of New York Graduate School and University Center

Discussant: Mohsen Shabahang, MD, PhD, Geisinger Surgery Institute

Live Q&A with Aaron E. Tipton, MD; Karen J. Dickinson, MBBS, MD, BSc, MEd, FRCS; Anthony Antonacci, MD, SM, FACS

4:00PM – 5:00PM



Folse Lecture - “Diversifying the Surgical Pipeline”

Andre Campbell MD, FACS, FACP, FCCM, MAMSE

Introduction: Marc de Moya & Daniel Scott

Dr. Campbell is currently Professor of Surgery at the University of California, San Francisco, School of Medicine. In addition, he is also an attending trauma surgeon at Zuckerberg San Francisco General Hospital and Trauma Center. Dr. Campbell’s research and clinical interest have been the ICU care of trauma patients, acute lung injury after trauma, the abdominal compartment syndrome, and surgical education. He is one of the most decorated surgical educators at UCSF. He has received numerous awards from medical school students at the School of Medicine. Dr. Campbell has directed the Surgical Critical Care Fellowship at the University of California, San Francisco for 22 years and has trained many fellows who now practice trauma, surgical critical care and acute care surgery around the United States and the World. He is also the author of numerous articles, abstracts and has lectured throughout the United States and around the world. Dr. Campbell is a master surgeon, teacher, mentor, clinical researcher, and clinical educator in the department of surgery at UCSF.

5:00PM – 5:45PM

Exhibit Break

6:00PM – 6:45PM

Laycock Tribute

Moderators: Daniel J. Scott, MD and Ranjan Sudan, MD

Panelists: Debra DaRosa, PhD; Gary Dunnington, MD; Roland J. Folse, MD; Bruce Gewertz, MD; James Hebert, MD; Patricia J. Numann, MD; Ajit Sachdeva, MD, FACS, FRCSC, FSACME, MAMSE

6:55PM – 7:50PM

Presidential Address

Introduction: Adnan Alseidi, MD, EdM, FACS, President-Elect

Speaker: Daniel Scott, MD, President

8:00PM – 8:45PM

Awards Banquet

Presenters: Arghavan Salles, MD & Mayur Narayan, MD, MPH, MBA, MHPE, FACS, FCCM, FICS, DABS

Times Listed in Central Time Zone

8:00AM – 9:00AM

Exhibit Break

9:00AM – 10:00AM

Panel II: Expanding your Educational Reach: Virtual Education Best Practices to Bridge the Global Divide

Moderator: Theresa L. Chin, MD

Panelists: Christopher M. Dodgion, MD, MSPH, MBA; Betty Hailu, MD; Dagim Leykun, MD; Robyn Richmond, MD; Libby Schroeder, MD, FACS

DESCRIPTION

The American College of Surgeons' (ACS) Operation Giving Back has created a collaborative partnership with Hawassa University Comprehensive Specialized Hospital in Hawassa, Ethiopia. Through an initial needs assessment, research and clinical training were identified as areas for collaborative strengthening/opportunity. Initial plans for in-person training to address both of these subjects pivoted to virtual learning due to the COVID-19 pandemic. While a remote learning platform initially posed some technical difficulties with an associated learning curve, we believe that it provides significant opportunities for international collaboration in the field of education.

We developed a 7 week research education course, using lectures and small group breakout sessions to discuss individual projects. We partnered with Hawassa's School of Public Health, engaging their expertise and local understanding to individualize the content of the course. Faculty met weekly to modify the curriculum to meet the needs of the participants.

Using the ACS curriculum, the Hawassa faculty held a surgical skills set boot camp for first year residents. ACS faculty co-moderated virtual didactic sessions in their specialty areas and collaboratively developed contextually appropriate resident assessment tools and metrics. ACS faculty also virtually facilitated laparoscopic training sessions for Hawassa faculty and residents as only two local faculty have any previous training in minimally invasive surgery.

This panel will illustrate how technology can be leveraged to make a significant educational impact and strengthen international, multi-institutional relationships. We highlight the successes, challenges, and novel longitudinal aspect of these course curricula from both the ACS and Hawassa perspective. We will discuss ethical considerations, such as authorship, mentoring, and funding and how to employ local resources to form a more sustainable model, such as collaboration with local public health faculty.

LEARNING OBJECTIVES

1. Identify novel methods to developing global educational partnerships and promoting multi-institutional collaboration
2. Anticipate potential barriers in creating virtual global research and surgical skills courses
3. Recognize common ethical issues that arise when developing an international research partnership
4. Gain new knowledge of various virtual platforms that can be used to augment education efforts locally and internationally
5. Appreciate the Low-to Middle-Income Country (LMIC) faculty and learner perspective of global educational partnerships

10:00AM – 10:30AM

Exhibit Break

10:00AM – 10:15AM

Product Demo (non-CME)

Presented by Intuitive

10:30AM – 12:30PM

Podium I A

Moderators: Charles S. Coffey, MD & Roy M. Phitayakorn, MD, MHPE (MEd), FACS

PP01: TRANSITION TO VIRTUAL VERIFICATION OF PROFICIENCY FOR SURGICAL RESIDENTS IN THE TIME OF COVID-19

Elizabeth J Olecki, MD; Kelly A Stahl; Christopher J McLaughlin; Colin G DeLong; Alexander T Liu; Steven R Allen; Penn State Hershey Medical Center

PP02: NOVEL METHOD TO LINK PATIENT OUTCOMES DATA TO SURGICAL TRAINEE PERFORMANCE DATA

Angela E Thelen, MD¹; Daniel Kendrick, MD²; Xilin Chen, MPH³; John Luckoski, MD¹; Zhaohui Fan, MPH⁴; Tanvi Gupta, MEng³; Hoda Bandeh-Ahmadi, PhD³; Michael Clark, PhD⁴; Brian C George, MD, MAEd¹; ¹Department of Surgery, University of Michigan, Ann Arbor, MI; ²Department of Surgery, University of Minnesota, Minneapolis, MN; ³Center for Surgical Training and Research, University of Michigan, Ann Arbor, MI; ⁴Center for Healthcare Outcomes and Policy, University of Michigan, Ann Arbor, MI

PP03: EVALUATING CHIEF RESIDENT READINESS FOR THE TEACHING ASSISTANT (TA) ROLE: THE TEACHING EVALUATION ASSESSMENT OF THE CHIEF RESIDENT (TEACH-R) INSTRUMENT

Katharine E Caldwell, MD, MSCI; Annie Hess, MD; Jessica Kramer, MD; Michael Awad, MD, PhD; Mary Klingensmith; Washington University in St. Louis

PP04: COLON AND RECTAL SURGERY RESIDENCY APPLICANT PERSONAL STATEMENT LANGUAGE AS A PREDICTOR OF APPLICANT SCORE

Jonathan D'Angelo, PhD, MAEd; Anne-Lise D'Angelo, MD, MEd; Sarah Lund, MD; Eric Dozois, MD; Kellie L Mathis, MD, MS; Scott R Kelley, MD; Mayo Clinic

PP05: IMPLEMENTATION OF A STRUCTURED ORAL EXAMINATION FOR MEDICAL STUDENTS IN THE GENERAL SURGERY CLERKSHIP

Katharine E Caldwell, MD, MSCI; Jorge G Zarate Rodriguez, MD; Annie Hess, MD; Britta J Han, MD, MEd; Michael Awad, MD; Bethany Sacks, MD; Washington University in St. Louis

Live Q&A with Elizabeth J. Olecki, MD; Angela E. Thelen, MD; Katherine E. Caldwell, MD, MSCI; Jonathan D'Angelo, PhD, MAEd; Annie Hess, MD

PP06: RESIDENT PRODUCTIVITY TRACKING DURING COVID-19 PANDEMIC: UTILITY OF AN ONLINE TOOL TO RECORD NON-CLINICAL HOURS

Dinah Diab, BS; Christopher Jaeger, MD; Alicia Scimeca, BA; David S Sharp, MD; Cheryl T Lee, MD; Tasha Posid, MA, PhD; The Ohio State University

PP07: VIRTUAL INTERVIEWS - UTILIZING TECHNOLOGICAL AFFORDANCES AS A PREDICTOR OF APPLICANT CONFIDENCE

Anne-Lise D'Angelo, MD, MEd¹; Jonathan D'Angelo, PhD, MAEd¹; Jennifer Beaty²; Robert Cleary³; Rebecca Hoedema⁴; Kellie Mathis¹; Eric Dozois¹; Scott Kelley¹; ¹Mayo Clinic - Rochester; ²Creighton University; ³St Joseph Mercy Hospital Ann Arbor; ⁴Spectrum Health/ Ferguson Clinic

PP08: DEVELOPING RELIABLE SURGERY-SPECIFIC ENTRUSTABLE PROFESSIONAL ACTIVITIES FOR THE FOURTH YEAR OF MEDICAL SCHOOL

Margaret Child, MPH; Michaelia Sunderland, MD; Jasmina Ehab, MS, BS; Anthony J DeSantis, MD; Christopher DuCoin, MD, MPH, FACS; University of South Florida

PP09: ATTITUDES AMONG RESIDENTS, FACULTY, AND MEDICAL STUDENTS REGARDING THIRD-YEAR SURGICAL CLERKSHIP EXPECTATIONS

Alexis Graham-Stephenson, MD; Darlene Bourgeois, EDD, MSN, RN; Lelan Sillin III, MD; Dmitry Nepomnayshy, MD, FACS; Lahey Hospital and Medical Center

PP10: SURGICAL CLERKSHIP: DOES CLINICAL PERFORMANCE CORRELATE WITH EXAMINATION SCORES?

Rebecca A Saberi, MD; Joshua P Kronenfeld, MD; Emily L Ryon, MD, MPH; Steven E Rodgers, MD, PhD; Vanessa W Hui, MD; Chad M Thorson, MD, MSPH; Laurence R Sands, MD, MBA; University of Miami Miller School of Medicine, DeWitt Daughtry Family Department of Surgery

Live Q&A with Alicia Scimeca, BA; Anne-Lise D'Angelo, MD, MSED; Margaret Child, MPH; Alexis Graham-Stephenson, MD; Rebecca A. Saberi, MD

10:30AM – 12:30PM

Podium I B

Moderators: Denise Gee, MD, & Jaisa Olasky, MD, FACS

PP11: SIMULATION CENTER UTILIZATION: THE EFFECTS OF COVID-19 AND THE NEED FOR INNOVATION

Madhuri B Nagaraj, MD, MS; Krystle K Campbell, MS; Ian A Nazareno, BFA; Daniel J Scott, MD; UT Southwestern

PP12: ASSESSING THE IMPACT OF THREE-DIMENSIONAL PRINTING ON LEARNER KNOWLEDGE AND SKILL ACQUISITION IN PLASTIC SURGERY EDUCATION - A SYSTEMATIC REVIEW

Joanna Miles, MBChB, BSc, MRCS; Salisbury District Hospital, Wiltshire, UK

PP13: CAN A VISUOSPATIAL SECONDARY TASK WITH VARYING LEVELS OF DIFFICULTY ASSESS THE SPARE ATTENTIONAL CAPACITY BETTER?

Ganesh Sankaranarayanan, PhD¹; Coleman A Odlozil, BS²; Dimitrios Stefanidis, MD, PhD³; ¹Baylor University Medical Center at Dallas; ²The University of Texas Health Science Center at San Antonio; ³Indiana University School of Medicine

PP14: HAVE TEACHING ASSISTANT CASES BECOME “LUMPS AND BUMPS?”: AN ANALYSIS OF RESIDENT AUTONOMY OVER 15-YEARS IN THE VETERANS AFFAIRS HOSPITALS

Jamal L McFarlane, MD; Joeseeph B Oliver, MD; Anastasia Kunac, MD; Devashish J Anjaria; Rutgers Biomedical Health Sciences North

PP15: CREATION OF A STANDARDIZED SIMULATION-BASED ROBOTIC SURGERY CURRICULUM ACROSS MULTIPLE RESIDENCY AND FELLOWSHIP PROGRAMS AT A SINGLE INSTITUTION

Augustus Gleason, MD; Valena Wright, MD, FACOG, FACS; Alexis Graham-Stephenson, MD; Elizabeth Preston, BSN, RN; Lahey Hospital and Medical Center

Live Q&A with Madhuri B. Nagaraj, MD, MS; Joanna Miles, MBChB, BSc, MRCS; Ganesh Sankaranarayanan, PhD; Jamal L. McFarlane, MD; Augustus Gleason, MD

PP16: GAUGING THE EFFECTS OF COVID-RELATED CHANGES ON THE MEDICAL STUDENT SURGICAL CLERKSHIP EXPERIENCE

Robert D Sinyard, MD, MBA¹; Taylor M Coe, MD¹; Isra Hamdi¹; Sophia K McKinley, MD, EdM¹; Joy Moses²; Emil Petrusa, PhD¹; Roy Phitayakorn, MD, MHPE¹; Noelle Saillant, MD¹; ¹Dept of Surgery, Massachusetts General Hospital; ²Harvard Medical School

PP17: BIPOLAR GRASPING AND SUCTIONING TASK UNDER SURGICAL MICROSCOPE: HOW VISION IS GUIDING OUR ACTION

Jonathan Chainey, MD, MSc¹; Cian O'Kelly, MD, MSc¹; Michael Kim, MD, MA¹; Anand Malpani, PhD²; Bin Zheng, MD, PhD¹; ¹University of Alberta; ²Johns Hopkins University

PP18: VIRTUAL REALITY INCREASES PROCEDURAL KNOWLEDGE AND CONFIDENCE IN AN INTRAMEDULLARY TIBIAL NAILING: A RANDOMIZED CONTROL TRIAL

Mark Orland, BS; Michael Patetta, MD; Erdan Kayupov, MD; Mark H Gonzalez, MD, PhD; University of Illinois College of Medicine at Chicago

PP19: ASSESSMENT OF CHIEF RESIDENT PRACTICE READINESS IN A PORCINE LAB: A 4-YEAR EXPERIENCE

Amelia Rogers, MD; Nicole Lee, MD, EdM, FACS; Dimitrios Athansiadis, MD; Jennifer Choi, MD; Dimitrios Stefanidis, MD, PhD; Indiana University

PP20: CUTTING THE FAT: UTILIZING LEAN-KAISEN METHODOLOGY TO IMPROVE ROUNDING EFFICIENCY OF SURGICAL RESIDENTS

Marcie Feinman, MD, MEHP, FACS¹; Angela Ting Wei Hsu²; Elliott R Haut, MD, PhD²; Laura Torbeck, PhD³; ¹Sinai Hospital of Baltimore; ²Johns Hopkins Hospital; ³Indiana University School of Medicine

Live Q&A with Robert D. Sinyard, MD, MBA; Jonathan Chainey, MD, MSc; Mark Orland, BS; Amelia Rogers, MD; Marcie Feinman, MD, MEHP, FACS

10:30AM – 12:30PM

Podium I C

Moderators: Tracey Dechert, MD & Adnan Alseidi, MD, EdM, FACS

PP21: DIVERSITY IN SURGERY: A LOOK AT DISAGGREGATED RACE/ETHNIC REPRESENTATION AMONG GRADUATING MEDICAL STUDENTS INTERESTED IN SURGERY

Mytien Nguyen, MS¹; Michele Cerasani²; Moje Omoruan³; Nicholas N Brutus²; Hyacinth R Mason, MPH, PhD²; Paula M Termuhlen, MD⁴; Steven C Stain, MD⁵; ¹Yale University School of Medicine; ²Albany Medical College; ³SUNY Upstate Medical University; ⁴University of Minnesota Medical School Duluth Campus; ⁵Lahey Hospital and Medical Center

PP22: FINDING MY PEOPLE: EFFECTS OF STUDENT IDENTITY AND FEAR OF DISCRIMINATION ON FIT AND BELONGING IN SURGERY

Rachael Acker¹; Michael G Healy, EdD¹; Rachel Vanderkruik, PhD, MSc¹; Emil Petrusa, PhD¹; Sophia McKinley, MD, EdM²; Roy Phitayakorn, MD, MHPE¹; ¹Harvard Medical School, Massachusetts General Hospital; ²Massachusetts General Hospital

PP23: IMPLICIT BIASES IN SURGERY AND PERCEPTION OF SURGEONS BY MEDICAL STUDENTS: A SIMULATION BASED STUDY

Priti P Parikh, PhD¹; Wesley Greene¹; Timothy Crawford¹; Garietta Falls²; ¹Wright State University, Boonshoft School of Medicine; ²Case Western Reserve University, School of Medicine

PP24: A MULTI-INSTITUTIONAL SURVEY OF FEDERAL STUDENT LOAN FORGIVENESS AND SURGERY RESIDENT PRACTICE PLANS

Swathi B Reddy, MD, MHS; Kimberly A Davis, MD, MBA; Felix Lui, MD; Yale University
Department of Surgery

PP25: MENTORED CLINICAL RESEARCH EXPERIENCES FOR HIGH SCHOOL STUDENTS: REPORTED IMPACTS ON CAREER TRAJECTORIES

Sarah Jung, PhD; University of Wisconsin-Madison

Live Q&A with Mytien Nguyen, MS; Rachael Acker; Wesley Greene; Swathi B. Reddy, MD, MHS; Sarah Jung, PhD

PP26: NATURAL LANGUAGE PROCESSING ANALYSIS OF SURGICAL LEADERSHIP WEBSITE WRITING: ARE LEADERS “ONLINE PERSONAS” BIASED?

Daniel Sarraf, MS¹; Vlad Vasiliu, PhD²; Ben Imberman³; Rebecca England, MS¹; John R Porterfield, MD, MSPH, FACS¹; ¹University of Alabama at Birmingham School of Medicine; ²Emek Yizrael Academic College; ³University of California at Irvine

PP27: “WHY WOULD YOU WANT TO DO THAT?” SURGICAL INTERNS REFLECT ON DISCOURAGEMENT FROM ENTERING SURGICAL FIELDS

Samantha J Rivard; Gurjit Sandhu, PhD; Laura Mazer, MD, MS, MHPE; Mary Byrnes; University of Michigan

PP28: EYES OF THE BEHOLDERS: FIRST-YEAR MEDICAL STUDENTS’ PERCEPTIONS OF SURGEONS AND THE FIELD OF SURGERY

Rachael Acker¹; Michael G Healy, EdD¹; Rachel Vanderkruik, PhD, MSc¹; Emil Petrusa, PhD¹; Sophia McKinley, MD, EdM²; Roy Phitayakorn, MD, MHPE¹; ¹Harvard Medical School, Massachusetts General Hospital; ²Massachusetts General Hospital

PP29: HOW DIVERSE ARE THE EDITORIAL BOARDS OF SURGICAL RESEARCH JOURNALS? A REPORT OF BASELINE DEMOGRAPHICS

Erin M White, MD, MBS¹; Richard Maduka, MD¹; Herbert Chen, MD²; Steven Wexner, MD³; Kevin Behrns, MD⁴; Keith Lillemoe, MD⁵; Scott LeMaire, MD⁶; Douglas Smink, MD, MPH⁷; Gurjit Sandhu⁸; ¹Yale University; ²University of Alabama at Birmingham; ³Cleveland Clinic Florida; ⁴University of Florida; ⁵Massachusetts General Hospital; ⁶Baylor College of Medicine; ⁷Brigham and Women’s Hospital; ⁸University of Michigan, Ann Arbor

PP87: IS WEIGHT BIAS A PROBLEM AMONG HEALTHCARE PROVIDERS?

Christie Buonpane; Katelyn Young; Sarah Hayek; Shengxuan Wang; Mohsen Shabahang; Arghavan Salles; Geisinger Medical Center

Live Q&A with Ben Imberman; Samantha J. Rivard; Roy Phitayakorn, MD, MHPE; Erin M. White, MD, MBS; Christie Buonpane

12:30PM – 1:30PM

Thinking Out of the Box

Moderators: Abbey Fingeret, MD & Jeremy Lipman, MD

TOTB-01: THE EFFICIENT FRONTIER: APPLYING MODERN INVESTMENT THEORY TO THE RESIDENCY MATCH

Chad Becnel, MD, MBA¹; Michael H Wong, BS²; ¹Tulane University Department of Surgery; ²Tulane University School of Medicine

TOTB-02: ASK THE EXPERTS: ADVANCING RESIDENTS’ SURGICAL KNOWLEDGE USING REMOTE INSTRUCTION

Paola Fata, MD; Jeremy Grushka, MD, MSc; Katherine McKendy, MD, Med; Carlos Gomez-Garibello, BA, MA, PhD; Maryam Wagner, BSc, BEd, MEd, PhD; McGill University

TOTB-03: SURGEONS HARNESSING INFLUENCE FOR TRAINEE TRANSITIONS (SHIFTT)

Robert D Sinyard, MD, MBA; Taylor Coe, MD; Denise Gee, MD; Massachusetts General Hospital

TOTB-04: SO, YOUR SURGERY RESIDENT WANTS TO DO PALLIATIVE CARE

Lee Ann R Lau, MD, FACS¹; Halle Ellison, MD, FACS²; Allyson C Cook, MD³; Melissa Red Hoffman, MD, ND, FACS⁴; Ana Berlin, MD, MPH, FACS⁵; ¹Medical College of Wisconsin; ²Geisinger; ³UCSF; ⁴Mission Hospital, Asheville, NC; ⁵Columbia University Irving Medical Center, New York, NY

TOTB-05: COMPETENCY BASED TRAINING IN GENERAL SURGERY: ADOPTION OF THE SURGICAL AUTONOMY PROGRAM (SAP)

Carrie Moore, MD, PhD; Justin Barr, MD, PhD; Andrew Cutler, MD; Michael Haglund, MD; John Migaly, MD; Duke University

TOTB-06: USING MASTERY LEARNING AND ERROR MANAGEMENT TRAINING TO IMPROVE SURGICAL PERFORMANCE

Brenton R Franklin, MD, MHPE¹; E Matthew Ritter, MD, MHPE, FACS²; ¹Walter Reed National Military Medical Center/Uniformed Services University of the Health Sciences, Bethesda, Maryland; ²Indiana University School of Medicine, Indianapolis, Indiana

TOTB-07: DEVELOPING NON-CLINICAL PRACTICE MANAGEMENT SKILLS FOR EARLY CAREER SURGEONS

Robert Sinyard, MD, MBA; Roi Anteby, MD; Denise Gee, MD; Massachusetts General Hospital

TOTB-08: BASQUIAT, BERLIN, & THE BODY: A NARRATIVE MEDICINE INTERVENTION IN SURGICAL EDUCATION

Pooja Mahendra Varman, MS¹; Jemma Rebollar, MS²; ¹Creighton University School of Medicine; ²CUNY School of Medicine

TOTB-09: CLINICAL EDUCATOR ENHANCED MEDICAL EDUCATION TRACK

Daniel J Cloonan¹; Madeline R Cloonan, BS²; Brian P Boerner, MD²; Abbey L Fingeret, MD, MHPTT, FACS²; ¹Beth Israel Deaconess Medical Center/Harvard Medical School; ²University of Nebraska Medical Center

TOTB-10: NOBL FIIISTT: FRAMING CONCEPTS FOR THE BEGINNER LEARNER IN SURGERY

Geoffrey Blair, MD, FRCSC; University of British Columbia

1:00PM – 4:00PM

SERF Forum A (open to all ASE Members)

<https://usc.zoom.us/j/93376957641>

Faculty: Emil Petrusa, PhD, David Rogers, MD & Maura Sullivan, PhD

Darci Foote, MD

Institutional Factors Related to Surgery Resident Wellbeing and Burnout.

Advisor: James Lau, MD

Rachel Atkinson, MD

Is Resident Operative Autonomy Influenced by the Interaction of Attending Gender and Seniority?

Advisor: Brian George, MD

Harold Leraas, MD

Weighing the Cost of Expanding the Residency Workforce, a Program Level Perspective

Advisor: Adnan Alseidi, MD, EdM, FACS

Sam Torres Landa Fernandez, MD

Identification of Leadership Behaviors that Impact General Surgery Junior Residents' Well-being: A Needs Assessment

Advisor: David Rogers, MD

Katie Stanton-Maxey, MD

Exploring Factors that Impact Comparability of Assessment in a Surgery Clerkship

Advisor: Emil Petrusa, PhD

Deb Marquardt, MD

Tailoring Anatomy Review in Core Clinical Clerkships: A Needs Assessment

Advisor: Barbie Klein, PhD & Pat O'Sullivan, PhD

Elizaveta Minko, MD

Design and Implementation of a Surgical Coaching Program for General Surgery Residents

Advisor: Mara Antonoff, MD

Anastasios Mitsakos, MD

Differences in Surgical Flow Disruptions Between Laparoscopic and Robotic Operations in an Academic Environment: The Impact of Resident Level of Training

Advisor: Michael Awad, MD, PhD

Luke Selby, MD

Should Residents and Fellows Have the Same Learning Goals and Objectives, an Ongoing Delphi Analysis.

Advisor: PJ Schenarts, MD

Bob Shaw, MD

Current Barriers in Robotic Surgery Training for General Surgery Residents

Advisor: Brigitte Smith, MD

Erin White, MD

An Assessment of Diversity Among Editorial Boards and Outcomes of Peer Review in Surgical Research

Advisor: Gurjit Sandhu, PhD

Samantha Baker, MD

Describing Personality Types and Entrustment in the OR, a Multi-Institutional Study

Advisor: Gurjit Sandhu, PhD

1:00PM – 4:00PM

SERF Forum B (open to all ASE Members)

<https://usc.zoom.us/j/93126521675>

Faculty: Rebecca Henry, PhD, Michael Kim, MD & Janet Trial, EdD

Kaitlyn Kennard, MD

Medical Student Electronic Medical Record Engagement (EMR) - Does This Change Objective and Perceived Outcomes in Surgery Clerkship

Advisor: Michael Hulme, PhD

Becky Hoffman, MD

Exploring Motivation for Learning in Surgical Residents: Confirmatory Factor Analysis and Validation of the Geisinger Goal Orientation Scale

Advisor: Rebecca Henry, PhD

Kyle Cassling, MD

Surgical Resident Perspectives on Professional Identity Formation in the Setting of Trauma Morning Report

Advisor: Michael Kim, MD

Justine Broecker, MD

A Needs Assessment for an Operative Curriculum for Laparoscopic Cholecystectomy

Advisor: Eliza Beth Littleton, PhD

Wali Johnson, MD

Take 10: A Resident Well-being Initiative

Advisor: Alisa Nagler, PhD

Kristen Jogerst, MD

How to Teach Breast ERAS® Protocols: Surgical Residents' Perspectives and Perioperative Practices for Mastectomy Patients

Advisor: Abbey Fingeret, MD

Casey Lamb, MD

Clinical Judgment in Ventral Hernia Repair: A Cognitive Task Analysis of the Preoperative Planning Process

Advisor: Nicole Roberts, PhD

Jasmine Walker, MD

Needs Assessment for Trainee Curriculum Underscoring Culturally Competent and Compassionate Care for Lesbian, Gay, Bisexual, and Transgender (LGBT) Patients

Advisor: Hilary Sanfey, MD

Amber Shada, MD

Kinematic Analysis of Endoscopic Performance

Advisor: Dimitrios Stefanidis, MD, PhD

Jitesh Patel, MD

Smartphone Access of the Electronic Medical Record – Convenience and Efficiency at a Steep Cost?

Advisor: Alan Harzman, MD

Andrew Esposito, MD

National Survey of Program Directors on Video Recording in the Operating Room

Advisor: Jeremy Lipman, MD

Ted Gomez, MD

Rapid, High-Stakes Clinical Communication in Surgery: A Needs Analysis

Advisor: Susan Steinemann, MD

1:15PM – 3:15PM

Podium II A

Moderators: Jeremy Lipman, MD & Dimitrios Stefanidis, MD, PhD

PP35: THE NEED TO IMPROVE COMPETENCE OF SURGERY FACULTY IN ASSESSING LEARNERS AND PROVIDING FEEDBACK

Susan Steinemann, MD, FACS¹; James Korndorffer, MD, FACS²; Daniel Dent, MD, FACS³; James Rucinski, MD, FACS⁴; Rachel Williams Newman, MS⁵; Patrice Blair, MPH⁵; Linda K Lupi, MBA⁵; Ajit K Sachdeva, MD, FACS, FRCSC, FSACME⁵; ¹University of Hawaii; ²Stanford University; ³University of Texas Health San Antonio; ⁴New York Presbyterian; ⁵American College of Surgeons

PP30: MEDICAL STUDENTS RECOGNIZE DIFFERENT QUALITIES IN EXCELLENT RESIDENT AND ATTENDING TEACHERS: A QUALITATIVE ANALYSIS OF NOMINATIONS FOR SURGICAL CLERKSHIP TEACHING AWARDS

Casey R Lamb, MD¹; Sylvia Guerra, MTS²; Meredith J Sorensen, MD, MS¹; ¹Dartmouth-Hitchcock Medical Center; ²Geisel School of Medicine

PP31: “STRONGER BUT NOT FASTER”: FLIPPED CLASSROOM TEACHING SIGNIFICANTLY IMPROVES RESIDENT’S SKILLS BUT NOT SPEED

Chinmayee Potti, MD¹; Joshua Eby, MD¹; Ali Rteil, MD¹; Ann Woodward, MD¹; Martina Draxler¹; Alexander Shepard, MD²; Loay Kabani, MD²; ¹Department of Surgery, Henry Ford Hospital; ²Division of Vascular Surgery, Henry Ford Hospital

PP32: CURRENT EDUCATIONAL INTERVENTIONS FOR IMPROVING TECHNICAL SKILLS OF SURGICAL TRAINEES IN LAPAROSCOPIC SURGERY

Ishan Aditya¹; Jared E Dookie²; Jethro C Kwong, MD¹; Jason Y Lee, MD¹; Mitchell G Goldenberg, MD¹; ¹University of Toronto; ²Western University

PP33: DIFFERING EXPECTATIONS OF THE MEDICAL STUDENTS’ ROLE ON THE SURGICAL CLERKSHIP BETWEEN ATTENDINGS, RESIDENTS AND MEDICAL STUDENTS

Allyse N Zondlak, BA¹; Quintin Solano, BS¹; Maia Anderson, MD²; Rishindra M Reddy, MD²; ¹University of Michigan Medical School; ²University of Michigan Department of Surgery

Live Q&A with Susan Steinemann, MD, FACS; Sylvia Guerra, MTS; Chinmayee Potti, MD; Jared E. Dookie; Allyse N. Zondlak, BA

PP34: “I CAME UP SHORT ON THE ACADEMIC LADDER”: A GROUNDED THEORY STUDY OF TITLES IN ACADEMIC SURGERY

Ergest Isak, MPH¹; Yash Hegde, BA¹; Gurjit Sandhu, PhD²; Cara Liebert, MD³; Laura M Mazer, MD, MHPE²; ¹Michigan State; ²University of Michigan; ³Stanford University

PS35: STUDENT LED SURGERY CLERKSHIP CURRICULUM DEVELOPMENT DURING THE COVID-19 PANDEMIC

Sandra Perez, MTS; Leslie Bernal Charondo; Matthew Lin, MD; University of California, San Francisco School of Medicine

PP36: SURGERY ACTING INTERNSHIP INDIVIDUAL LEARNING PLANS: FOSTERING MENTORSHIP IN THE COVID-19 ERA

Joseph C L’Huillier, MD¹; Sarah L Larson, BA²; Adam M Awe, BS²; Dorothy S Cook, MS²; Dawn M Eifenbein, MD, MPH, FACS²; ¹University at Buffalo; ²University of Wisconsin School of Medicine and Public Health

PP37: EXPLODING AUTHORSHIP

Hossam Abdou, MD; Ace St. John, MD; Sarah Kidd-Romero; Natalia Kubicki, MD; Rebecca Brown, MD; Eric Strauch, MD; Stephen M Kavic, MD; University of Maryland Medical Center

PP38: HOW TO EVALUATE MEDICAL STUDENTS DURING A VIRTUAL ‘AWAY’ ROTATION: LESSONS LEARNED FROM A TWO-WEEK UROLOGY SUB-I DURING COVID-19

Tasha Posid, MA, PhD; Aliza Khuhro; Dinah Diab, BS; Alicia Scimeca, BA; David S Sharp, MD; Cheryl T Lee, MD; Fara Bellows, MD; The Ohio State University

Live Q&A with Ergest Isak, MPH; Sylvia Guerra, MTS; Joseph C. L’Huillier, MD; Hossam Abdou, MD; Tasha Posid, MA, PhD

1:15PM – 3:15PM

Podium II B

Moderators: Mohsen Shabahang, MD, PhD & Katie Stanton-Maxey, MD

PP39: A BLACKBOXED NUMBERS GAME: EFFECTS OF EPA DESIGN IN PRACTICE

Mary C Ott, PhD¹; Tavis Apramian, MD, PHD²; Sayra Cristancho, PhD¹; Kathryn Roth, MD, FRCSC¹; ¹Western University; ²McMaster University

PP40: IDENTIFYING AND EDUCATING THE STRUGGLING SURGICAL INTERN: THE ROLE OF SENIOR RESIDENTS

Kelsey E Koch, MD¹; Muneera R Kapadia, MD, MME²; Jennifer E Hrabe, MD¹; Abbey Fingeret, MD³; ¹University of Iowa; ²University of North Carolina; ³University of Nebraska Medical Center

PP41: IMPLEMENTING A TRAINING PROGRAM TO IMPROVE FEEDBACK IN A SURGICAL RESIDENCY: A TWO YEAR EXPERIENCE

Michael T Scott, MD, MPH¹; Shahyan Rehman¹; Nell Maloney Patel, MD, FACS, FACRS¹; William Burns, MD²; ¹Rutgers Robert Wood Johnson Medical School; ²Johns Hopkins University School of Medicine

PP42: EFFECT OF COVID-19 PANDEMIC ON COLORECTAL SURGERY TRAINING

Anuradha R Bhama, MD¹; Adan Z Becerra, PhD¹; Robert K Cleary, MD²; ¹Rush University Medical Center; ²St. Joseph Mercy Medical Center - Ann Arbor

PP43: VALIDATION OF THE FLIPPED CLASSROOM FOR SURGERY CORE CLERKSHIPS

Robert Seniors; Brandon Henry, MD; Ayana Chase, MD; Joel Okoli; Mohamed Mubasher, PhD; Jacquelyn Turner, MD; Morehouse School of Medicine

Live Q&A with Mary C. Ott, PhD; Kelsey E. Koch, MD; Michael T. Scott, MD, MPH; Anuradha R. Bhama, MD; Robert Seniors

PP44: GETTING THE INFO UP FRONT: ANALYZING THE IMPACT OF A NOVEL CLERKSHIP CURRICULUM DELIVERY METHOD

Katie Stanton-Maxey, MD; Lindsey Mossler, MD; Indiana University School of Medicine

PP45: EFFICACY OF PEDIATRIC SURGERY MOBILE APPLICATION FOR GENERAL SURGERY RESIDENTS

James A Fraser, MD¹; Pamela M Choi, MD²; Kayla B Briggs, MD¹; Jason D Fraser, MD, FACS, FAAP¹; ¹Children's Mercy Hospital; ²Naval Medical Center San Diego

PP46: PREPARING THE FUTURE OF RURAL GENERAL SURGERY: A NATIONAL INVESTIGATION OF TRAINEE DECISION MAKING AROUND ENTERING RURAL SURGICAL PRACTICE

Eileen R Smith, MD¹; Bradley S Kushner, MD¹; Paul E Wise, MD¹; Michael M Awad, MD, PhD¹; Mary E Klingensmith, MD¹; John L Falcone, MD²; ¹Washington University in Saint Louis; ²University of Louisville

PP47: COVID-19 IMPACT ON 2021 SURGICAL RESIDENCY APPLICATIONS

Maura Morgan, BS; Christie Buonpane, MD; Mohsen Shabahang, MD, PhD; Megan Rapp, MD; Geisinger Medical Center

PP48: 3-YEAR EVALUATION OF A RESIDENT-AS-TEACHER PROGRAM FOR GENERAL SURGERY RESIDENTS

Alaina D Geary, MD, MSHPE; Donald T Hess, MD; Luise I Pernar; Boston Medical Center

Live Q&A with Katie Stanton-Maxey, MD; James A. Fraser, MD; Eileen R. Smith, MD; Maura Morgan, BS; Alaina D. Geary, MD, MSHPE

Podium II C

Moderators: Mayur Narayan, MD, MPH, MBA, MHPE, FACS, FCCM, FICS, DABS & Teviah Sachs, MD, MPH

PP49: NASA-TLX ASSESSMENT OF WORKLOAD IN RESIDENTS COVERING TRAUMA AND EMERGENCY GENERAL SURGERY SERVICES

Sarah Lund, MD; Maria Yan, MD; Tianke Wang, MS; M. Susan Hallbeck, PhD; Stephanie Heller, MD; Martin Zielinski, MD; Mayo Clinic

1:15PM – 3:15PM

PP50: FACULTY AND TRAINEE PERSPECTIVES OF RESIDENT-LED ENGAGEMENT IN THE OPERATIVE SETTING

Britta J Han, MD, MEd; Eileen Smith, MD; Bradley Kushner, MD; Arnab Majumder, MD; Sara E Holden, MD; Jeffrey A Blatnik, MD, FACS; Washington University in St Louis/Barnes Jewish Hospital

PP51: NOT JUST FIGUREHEADS: THE POTENTIAL IMPACT OF ADMINISTRATIVE CHIEF RESIDENTS ON RESIDENT WELLBEING

Steven A Wisel, MD¹; Clara M Gomez-Sanchez, MD¹; Lily S Cheng, MD²; Anamaria M Robles, MD³; Patricia S O'Sullivan, EdD¹; Linda M Reilly, MD¹; Kenzo Hirose, MD¹; ¹University of California, San Francisco; ²Texas Children's Hospital; ³University of California, Davis

PP52: "RHYTHM OF THE NIGHT": MEDICAL STUDENT REFLECTIONS AND TRAJECTORIES ON OVERNIGHT TRAUMA CALL

Sarah L Larson, BA; Ann P O'Rourke, MD, MPH; University of Wisconsin School of Medicine and Public Health

PP53: DISPARITIES IN ACCESS TO SURGICAL SUBSPECIALISTS AND POST-OPERATIVE CARE AMONG URBAN AREAS, RURAL AREAS, AND TRIBAL RESERVATIONS OF NORTHEASTERN WASHINGTON: IMPLICATIONS FOR MEDICAL EDUCATION IN A DISTRIBUTED MODEL ENVIRONMENT

Carly Celebrezze, BS, MSc; Ashlyn Jimenez, BA; Meghan Olson, BS, MSc; Anjali Kumar, MD, MPH, FACS, FASCRS; Luis Manriquez, MD; WSU Elson S. Floyd College of Medicine

Live Q&A with Sarah Lund, MD; Britta J. Han, MD, MEd; Steven A. Wisel, MD; Sarah L. Larson, BA; Carly Celebrezze, BS, MSc

PP54: PERCEPTION OR REALITY: SURGICAL RESIDENT AND FACULTY ASSESSMENTS OF RESIDENT WORKLOAD COMPARED TO OBJECTIVE DATA

Eric W Walser, MD; Chris J Zhang, BSc; Sayra Cristancho, PhD; Anna Mierzwa, MD; Lorelei Lingard, PhD; Michael Ott, MD, MSc; Western University

PP55: DO GENERAL SURGERY APPLICANTS FIT STANDARD GENDER ROLES?

Sophie Dream, MD¹; Herbert Chen, MD²; ¹Medical College of Wisconsin; ²University of Alabama at Birmingham

PP56: IDENTIFYING INSTITUTIONAL FACTORS IN GENERAL SURGERY RESIDENT WELLNESS AND BURNOUT

Darci C Foote, MD, MS¹; Gurjit Sandhu, PhD²; Kathryn Ziegler, MD³; James N Lau, MD, MHPE⁴; ¹University of Michigan, Beaumont Health; ²University of Michigan; ³Beaumont Health; ⁴Loyola University

PP57: RESILIENCE MATTERS! STUDENT PERCEPTIONS OF THE IMPACT OF COVID-19 ON UNDERGRADUATE MEDICAL EDUCATION

Lindsay A Haskett, MSN, RN¹; Doster L Dominique, MD¹; Dimitrios I Athanasiadis, MD¹; Nicholas E Anton¹; Elizabeth M Huffman¹; Walvoord Emily, MD²; Paul Wallach³; Dimitrios Stefanidis¹; Sally A Mitchell⁴; Nicole K Lee¹; ¹Indiana University School of Medicine Department of Surgery; ²Indiana University School of Medicine Department of Pediatrics; ³Indiana University School of Medicine Department of Internal Medicine; ⁴Indiana University School of Medicine Department of Anesthesia

Live Q&A with Eric W. Walser, MD; Sophie Dream, MD; Gurjit Sandhu, PhD; Doster L. Dominique, MD

3:30PM – 4:30PM

Laycock Lecture - “The Future of Women in Surgery: Playing Offense, Not Defense”

Mary McCarthy, MD, FACS

Introduction: Marc de Moya & Daniel Scott

Mary McCarthy, MD, FACS, is a Professor of Surgery at the Boonshoft School of Medicine, Wright State University, Dayton, Ohio. She previously served as department chair and director of trauma services for the hospital, overseeing the region’s only Level I Trauma Center. She also served as surgical director of the hospital’s intensive care unit and associate medical director of CareFlight, the area’s only air ambulance system.

Dr. McCarthy is board certified in both general and critical care surgery and is a Fellow of the American College of Surgeons, where she has served on state and national committees. She recently completed two terms on the ACS Committee on Trauma. She is a member of numerous professional organizations, including the American Association for the Surgery of Trauma, the Society of Critical Care Medicine, the Association for Surgical Education and the Association of Women Surgeons.

An accomplished surgeon and educator, Dr. McCarthy has received numerous awards and honors, including the Wright State University President’s Award for Excellence in Professional Service, the Distinguished Member and Nina Starr Braunwald Awards from the Association of Women Surgeons, the Patients’ First Award for Physician Excellence (twice) from Miami Valley Hospital and the Dayton Business Journal’s Healthcare Hero Award for Innovation. Most recently, Dr. McCarthy was named a Master Surgeon Educator by the American College of Surgeons (ACS). She is one of 83 surgeons in the United States granted the honor in 2019.

In addition to her work in teaching and patient care, Dr. McCarthy is an active researcher and regularly publishes in professional journals. In recent years, her work has appeared in the Journal of the American College of Surgeons, the Journal of Trauma, Surgery, the American Journal of Surgery, and the Journal of Surgical Research.

4:45PM – 6:15PM

Workshop I: Breaking Down Assessments: Understanding Validity and Reliability in Surgery

Presenters: Elizabeth Huffman; James Lau; Dana Lin; Edmund Lee; Cara Liebert; Jeremy Lipman; John Martin; Laura Mazer; Yoon Soo Park; Amanda Phares; Ara Tekian

DESCRIPTION

As surgery moves towards competency-based education with the implementation of Entrustable Professional Activities (EPAs), the need for robust assessments is becoming ever more essential. For example, for assessment of medical knowledge through multiple-choice examinations, there is ample validity evidence ranging from rigorous question-writing guidelines to psychometric analyses. However, relevant non-cognitive assessment tools lack such robust validity.

WORKSHOP STRUCTURE AND CONTENT

To encourage inter-institutional collaboration, this workshop will be co-hosted by instructors representing nine institutions, including international experts in psychometrics and competency-based education. Last year, the workshop was extremely well-received and well-attended. We hope to encourage participants to approach assessments with validity in mind. First, a short presentation will be delivered defining validity and its importance for assessment. Participants will then break into small groups. Each group will



choose an assessment tool from a list provided (or may brainstorm their own) and develop a strategy to build validity evidence using Messick's Framework of Unified Validity. This will be a very interactive workshop, and participants will have an opportunity to brainstorm and discuss their ideas with each other. At the conclusion of the workshop, we will address the complexities, barriers, and threats to validity. Participants will leave with a completed worksheet and a set of guidelines to implement at their home institutions. Our expectation is for each group to use this plan to collaborate on a validity project in the future.

4:45PM – 6:15PM

Workshop II: Health Professions Outreach to Disadvantaged and Underrepresented Minority Students: A Toolkit for Starting an Early Outreach Program in Your Community

Speakers: Tania Arora; Christie Buonpane; Tracey Dechert; Estell Williams

DESCRIPTION

PURPOSE

Early exposure of young learners to medical and surgical careers may be an imperative step to address an ongoing physician-shortage crisis and encourage diversity in healthcare. Various programs throughout the country have created successful healthcare outreach programs to students in elementary, middle, and high school. Our goal is to share the successes, challenges, and solutions of these programs to inspire and guide workshop participants to be able to set up similar programs within their own communities.

LEARNING OBJECTIVES

After the workshop, participants will be able to:

1. Understand the significance and impact of outreach programs to inspire students to consider careers in healthcare
2. Gain insight into the successes and failures of existing programs
3. Gather and utilize local, institutional and national support and resources
4. Use this toolkit to set up a health professions outreach program within their own community

METHODS

This will be an interactive session led by the abstract authors and panelists.

CONCLUSION

Exposing youth to health-related activities may help expand engagement, representation, and empowerment in the health professions. Sharing successes and failures of flourishing programs from diverse populations can aid other interested programs in jump-starting their own outreach program.

4:45PM – 6:15PM

Workshop III: How to Identify and Respond to Patient-Initiated Microaggressions: What They Are and How to Handle Them

Speakers: Kupiri Ackerman-Barger; Christie Bialowas; Halle Ellison; Uzer Khan; Megan Miller; Kevin Pei; Edgardo Salcedo; Christina Stevenson

DESCRIPTION

BACKGROUND

Microaggressions are the subtle and constant slights, insults, and invalidations that people with under-represented backgrounds experience in the course of a day's work. Residents experience microaggressions during surgical training with patients identified as a common

source. While formal descriptions of their prevalence and effect on resident well-being and performance are lacking, anecdotal experiences suggest microaggressions are common and detrimental. Discriminatory comments and actions from patients frequently catch trainees and faculty “off-guard,” leaving many unsure of how, or whether, they should respond. The workshop is designed to increase awareness of microaggressions, identify them in clinical settings, and provide strategies for residents and faculty to respond when microaggressions are experienced, witnessed and/or reported.

SESSION FORMAT

Surgical education faculty will lead the workshop including an invited content expert who serves as a national consultant on strategies to help under-represented health professionals thrive academically. The target audience will be both surgical trainees and faculty. Following a brief didactic session to define the topic, participants will meet in small groups to view “trigger” videos depicting various patient-initiated microaggressions residents experience in the clinical setting, followed by facilitator-led discussion. The entire group will reconvene to debrief, and workshop faculty will present strategies to respond to microaggressions based on existing framework and available literature. Video depictions of patient-resident scenarios will be used as examples. Participants will again meet in small groups to practice the strategies presented and role-play responses. Resident and faculty will complete the workshop with an improved ability to recognize microaggressions and a set of tools to address such events. Didactic content and videos will be screen-shared, and small groups will meet in virtual breakout rooms with each faculty facilitator.

4:45PM – 6:15PM

Workshop IV: MedEdPORTAL: What It Can Do for Your Surgical Education Scholarship and How to Adapt Your Work for Submission

Moderator: Amanda B. Cooper, MD

DESCRIPTION

MedEdPORTAL (MEP) has a partnership with the Association of Surgical Education, but nonetheless surgical submissions have remained low with fewer than 5 submissions in the last few years. MEP is a PubMed-indexed and frequently accessed open repository for educational activities and curricula; however, many surgeons may not have used the resources that have been published in MEP. Another potential reason for low rates of surgical submissions is that surgeons are unfamiliar with the unique format required by MEP, which includes an Educational Summary Report (ESR). This workshop aims to discuss the advantages of publishing in MedEdPORTAL, projects that are appropriate for submission to MEP, and walk participants through the process of creating an Educational Summary Report. Examples of surgical projects that have been published in MEP will also be provided.

MEP is both an excellent resource for accessing curricula and other resources that may be useful for surgical educators and a well-regarded venue for education scholarship. It is also an effective means of disseminating curricula that surgical educators and/or researchers have developed and may be useful to others. As publication in MedEdPORTAL has become more competitive and the requirements for submission have become more stringent, surgeons may have been disincentivized from considering it as an option for their work. Increased familiarity with both the types of projects published in MEP and the components of the ESR may help overcome these barriers to MEP submissions by surgeons. Participants are encouraged to bring a project of their own to adapt for a potential MedEdPORTAL submission during the workshop.

LEARNING OBJECTIVES

- » What is MedEdPORTAL and why would you want to publish in it?
- » Surgical Projects in MedEdPORTAL: Participants will review surgical publications in MedEdPORTAL to develop an understanding of what surgical educators have published there.
- » Educational Summary Report: Overview of the ESR and its contents.
- » Creating an Educational Summary Report for Your Project: Participants will outline the components of an ESR using their project and receive and provide feedback on their outline from other breakout group participants.

4:45PM – 6:15PM

Workshop V: Designing and Implementing an Effective Survey – A Research Methods Workshop Conducted by Members of the Surgical Education Research Committee

Speakers: Rondi Gelbard; Martha Godfrey; Sarah Jung, PhD; Brenessa M. Lindeman, MD, MEHP; Patricia O'Sullivan, EdD

DESCRIPTION

BACKGROUND

Survey research utilizes qualitative, quantitative, or mixed methods to collect information from a sample of individuals (representative of the population of interest) through their responses to questions. When conducting survey research, it is essential to utilize sound practice methodologies to avoid pitfalls and ensure high-quality results.

PURPOSE

The purpose of this workshop is to review the process of survey design and implementation. Workshop participants will learn effective strategies for accurately measuring responses and ensuring high quality data.

AUDIENCE

This workshop is targeted towards ASE members and non-members at any stage in their career, who are looking for assistance or guidance in creating a survey-based study. Individuals with or without previous experience in education research are encouraged to participate.

ACTIVITY

After brief overviews of the topics listed below, workshop participants will engage in small group activities that will address challenges in survey design and provide tools for turning their ideas into rigorous studies. Participants will be asked to submit survey drafts prior to the meeting that will be used as examples during the activity portion of the workshop. They will receive individualized feedback from expert facilitators and other workshop attendees on their proposed survey designs.

Part I: Overview of survey design (30 min)

- a. Defining survey objectives, use of results and target population
- b. Drafting quantitative survey questions
- c. Piloting and adjusting the questionnaire
- d. Selecting respondents and the data collection method
- e. Running the survey
- f. Interpreting the results

Part II: Qualitative methods for survey design and interpretation of results (20 min)

- a. Qualitative methods for informing survey design and content
- b. Drafting open-ended questions
- c. Writing questions to get informative responses
- d. Approaches to analysis of open-ended responses

Part III: Small group activity (40 min) – participants will break into small groups moderated by expert facilitators to apply the fundamentals of good survey design learned during Parts I and II of the workshop to their own survey ideas. Feedback and guidance will be provided. Breakout rooms will be used for this portion of the workshop.

4:45PM – 5:30PM

Workshop VI: Preparing Medical Students to Enter Surgery Residency Training: Use of Structured National Curricula

Speakers: Robert Acton; Patrice Blair; Kristine Calhoun; Andre Campbell; Keith Delman; Marc de Moya; Kim Echert; Tim Hotze; Krashina Hudson; Adam Kabaker; Jeremy Lipman; Jaisa Olsaky; Ajit Sachdeva; Ranjan Sudan

DESCRIPTION

Over the course of the past 10 years, modular national curricula have been developed with the involvement of multiple stakeholders in the realms of undergraduate and graduate medical education, through collaboration among the American College of Surgeons (ACS) Division of Education, the Association of Program Directors in Surgery (APDS), and the Association for Surgical Education (ASE). The goals of these programs are to ensure that all medical students graduate from medical school with the requisite knowledge and skills to transition into surgery residency training.

This workshop will provide information regarding these curricula and will focus on an integrated approach to implementing these curricula across the medical school years. Special focus will be placed on the resources needed to implement the curricula. Presenters will discuss their experiences with the use of the curricula and share practical guidance that will be useful to the attendees.

5:30PM – 6:15PM

Workshop VII: Pandemic Pedagogy: Dissecting the Long Term Ramifications of COVID-19 to Surgery Education

Speakers: Melissa Alvarez-Downing; Tejal Brahmabhatt; Patrick McGrew; Dylan Nieman; Noelle Saillant; Ming-Li Wang

DESCRIPTION

The Coronavirus pandemic drastically transformed our surgical education model. Due to the risk of viral transmission, undergraduate surgical education was fully relegated to remote learning then reintroduced with social distancing constraints and limitations to in-person instruction. Clerkship directors have increasingly relied on Zoom and online learning modules, while also leveraging the ACS national curriculum offerings to educate their student in the remote format. However, the COVID-19 resurgence has changed the academic paradigm from removal of students from clinical environments to incorporation into front line operations. This workshop will focus on the lessons learned from the pandemic to help inform future endeavors in undergraduate surgical education.

TOPICS TO INCLUDE

- » Limitations of online learning
- » Personalization and mentorship
- » Utilization of national teaching forums (ACS)
- » Alternative learning experiences
- » Best practices for student incorporation into pandemic efforts
- » Mobilizing a student work force
- » Leveraging non-traditional environments for student learning alternatives

6:30PM – 8:00PM

Panel III: Supporting Diversity, Equity, & Inclusion in our Surgery Programs: How We Can Provide a More Equitable Training Environment

Panelists: Jad M. Abdelsattar, MD, Tania Arora, MD, Andre Campbell, MD, FACS, FACP, FCCM, MAMSE, Tracey Dechert, MD, Charles A. Friel, MD, Alaina D. Geary, MD, MSHPE, Donald S. Hess, MD, Mary McCarthy, MD, FACS, Sabrina Sanchez, MD, Daniel Scott, MD

DESCRIPTION

How do you recruit and maintain a diverse surgical residency? The panel will discuss application reviews, interview offers, and making of rank lists. Presentations will cover specific tools used to make residencies more appealing to minority applicants, and avoidance of the minority tax.

This panel will approach a broad spectrum of minorities – LGBTQ, women, different cultural backgrounds, non-typical backgrounds, racial minorities, underrepresented personalities in surgical specialties, etc. In addition, intersectionality will be discussed. The panel will include time for questions and discussion after the panelist presentations.

LEARNING OBJECTIVES

1. Participants will be able to assess their own program to determine needs regarding diversity and inclusion to make their program more equitable
2. Participants will be able to integrate new ideas, programs, and committees to systematically prioritize diversity and inclusion
3. Participants will be able to create an atmosphere that will extend to their departments that allows and supports discussion and action regarding social responsibility, social justice, advocacy, and activism

Times Listed in Central Time Zone

8:30AM – 9:30AM

Surgical Education Research Committee (SERC) Shark Tank

9:30AM – 10:00AM

Exhibit Break

10:00AM – 11:00AM

Panel IV: 1st Annual Interprofessional Education Simulation Competition

Panelists: Jennifer Calzada, MA, MPH, Jong Lee, MD, Cliff L. Snyder, MPAS, PA-C, Taylor P. Williams, MD

DESCRIPTION

The ASE Simulation Committee will implement a video-based competition of team-based Inter-Professional Education (IPE). Multidisciplinary teams from different institutions will complete our standardized and scripted IPE scenario at their simulation centers and submit video footage of the simulation. Teams will consist of a minimum of two general surgeons, one nurse, and one emergency medicine doctor or anesthesiologist, with the option of adding more individuals from any discipline at their discretion. The video footage will then be objectively scored based on the inter-professional teams' non-technical skill set by a review panel who has achieved consistent interrater reliability. NOTECH II, NOTSS, and OTAS will be used as the objective metrics for scoring. All institutions will receive both an evaluation of the technical execution of the simulation (using a checklist) and their non-technical skill assessment, which will be released at or immediately following the panel discussion. Team leaders from the two teams with the highest score for non-technical skill will be invited to participate in the panel discussion. We are using the competition format to recruit multi-institutional participation in IPE simulation.

The panel discussion will be an educational dialogue regarding the value of IPE simulation and the practical assessment of non-technical skills in the setting of IPE simulation. Panelists include three content experts, along with the two winning team leaders. The panel will begin with an informative description of the competition and a summary of the results, along with a very brief exchange of awards. Highlights from video footage of the winning simulation teams will be shown at the panel to reinforce examples of successful team dynamics during a discussion focused on effective teamwork. Feedback from the participating team leaders will provide a learner's perspective of the utility of simulation for IPE. A brief overview of best-practices for non-technical skill assessment will be presented in the context of the competition's scoring. A question and answer session will then follow. The session will conclude with a promotion of the contest for the following year's annual meeting.

LEARNING OBJECTIVES

1. Summarize the characteristics of efficient and high functioning IPE teams
2. Describe best practices for assessing non-technical skills in IPE team training
3. Discover the importance of IPE team training

11:00AM – 11:30AM

Exhibit Break

11:30AM – 1:30PM

Podium III A

Moderators: Christine Dauphine, MD & Michael M. Awad, MD

PP58: TEACHING COMMUNICATION IN THE ERA OF SOCIAL DISTANCING: IMPLEMENTING A SKILLS-BASED COMMUNICATION CURRICULUM FOR MEDICAL STUDENTS

Anna B Newcomb, Trauma Research Manager¹; Margaret Duval²; Monica Zewdie³; Muneera R Kapadia⁴; Sharon L Bachman¹; Denise Mohess¹; Jonathan Dort, Residency Program Director¹; Shira Rothberg¹; ¹Inova Fairfax Medical Campus; ²George Washington University School of Medicine and Health Sciences; ³University of Virginia School of Medicine; ⁴Department of Gastrointestinal Surgery, University of North Carolina at Chapel Hill

PP59: IMPLEMENTATION OF A SURGICAL PROBLEM-BASED LEARNING CURRICULUM: A ONE-YEAR SINGLE-CENTER EXPERIENCE

Joshua P Kronenfeld, MD; Rebecca A Saberi, MD; Emily L Ryon, MD, MPH; Chad M Thorson, MD, MSPH; Vanessa W Hui, MD; Steven E Rodgers, MD, PhD; Laurence R Sands, MD, MBA; University of Miami Miller School of Medicine

PP60: LEVERAGING SENIOR SURGICAL RESIDENTS TO TEACH COMMUNICATION SKILLS: A NEEDS ASSESSMENT

Joseph A Lin, MD, MPH; Cecilia J Im, BS; Allyson C Cook, MD; Patricia O'Sullivan, EdD; Kimberly S Kirkwood, MD; UCSF

PP61: COACHING FOR IMPACT: SUCCESSFUL IMPLEMENTATION OF A MULTI-NATIONAL MULTI-INSTITUTIONAL SYNCHRONOUS LMIC RESEARCH COURSE

Robyn Richmond, MD¹; Chris Dodgion, MD, MSPH, MBA²; Theresa Chin, MD³; Mengistu Gebreyohanes, MD, MPH⁴; Adnan Alseidi, MD, EdM⁵; Natalie Bell, MS⁶; Elyse LeeVan, MD⁷; Kristin Long, MD, MPH⁸; Anteneh Gadisa, MD⁴; Girma Tefera, MD⁸; Mary E Schroeder, MD²; ¹Texas Tech University Health Sciences Center; ²Medical College of Wisconsin; ³University of California Irvine; ⁴Hawassa University Hospital; ⁵University of California San Francisco; ⁶American College of Surgeons; ⁷Johns Hopkins Bloomberg School of Public Health; ⁸University of Wisconsin

PP62: TEACHING WHAT MATTERS: INTEGRATING SURGICAL DISPARITIES EDUCATION INTO THE CORE SURGERY CLERKSHIP

Kristin E Goodsell, BS; Hillary E Mulvey, BS; Olivia O Familusi, BS; Cheyenne Williams, BS; Andrea Yeguez, BS; Ari D Brooks, MD; University of Pennsylvania

Live Q&A with Anna B. Newcomb; Joshua P. Kronenfeld, MD; Joseph A. Lin, MD, MPH; Robyn Richmond, MD; Kristin E. Goodsell, BS

PP63: LEADERSHIP SKILLS CURRICULUM DEVELOPMENT FOR RESIDENTS AND FELLOWS: A NEEDS-ASSESSMENT

Christopher Friendly, BS¹; Camila Villacreses, BS¹; Rupak Mukherjee, PhD¹; Ashley Hink, MD¹; Leah Plumblee, MD¹; John Mellinger, MD²; Cynthia Talley, MD¹; ¹Medical University of South Carolina; ²Southern Illinois University

PP64: THIRD-YEAR MEDICAL STUDENT PERCEIVED KNOWLEDGE GAPS UPON COMPLETION OF A VIRTUAL SURGICAL DIDACTIC ROTATION

Sophia Hernandez, BS; Ogonna N Nnamani Silva, MD; Alexander S Kim, MD; Andre R Campbell, MD; Edward H Kim, MD; Adnan Alseidi, MD, EdM; Elizabeth C Wick, MD; Julie A Sosa, MD, MA; Jessica Gosnell, MD; Matthew YC Lin, MD; Sanziana A Roman, MD; University of California, San Francisco

PP65: IMPLEMENTATION OF A RESIDENT COACHING PROGRAM: A DURAL METHOD TO ENHANCE SURGICAL CLERKSHIP STUDENTS' PRACTICE OF HEALTH SYSTEMS SCIENCE

Ruth Ackah, MD; Theresa Wang, MD; Marianna Oppenheimer-Velez, MD, MS; Amber Traugott, MD; Alan Harzman, MD; Amalia Cochran, MD; Xiadong Chen, PhD; The Ohio State University

PP66: GOING THE (SOCIAL) DISTANCE: COMPARING THE EFFECTIVENESS OF ONLINE VERSUS IN-PERSON INTERNAL JUGULAR CENTRAL VENOUS CATHETERIZATION TRAINING

Jessica M Gonzalez-Vargas¹; Haroula M Tzamaras¹; Jason Martinez²; Dailen Brown¹; Jason Moore¹; David Han²; Lisa Sinz²; Philip Ng³; Michael X Yang³; Scarlett R Miller¹; ¹Penn State; ²Penn State Hershey Medical Center; ³Cedar Sinai Medical Center

PP67: DEFINING LEADERSHIP IN SURGICAL RESIDENCY: A QUALITATIVE ANALYSIS

Marianna Papageorge, MD; Michael DeWane, MD; Andrew Esposito, MD; Kurt Roberts, MD; Kristin Oliveira, MD; Peter Yoo, MD; Department of Surgery, Yale University School of Medicine

Live Q&A with Christopher Friendly, BS; Sophia Hernandez, BS; Ruth Ackah, MD; Jessica M. Gonzalez-Vargas; Marianna Papageorge, MD

11:30AM – 1:30PM

Podium III B

Moderators: Alan Harzman, MD & Matthew Ritter, MD

PP68: VALIDATION OF LIVE VIRTUAL REALITY FOR REMOTE SURGICAL EDUCATION: A USABILITY EVALUATION IN ORTHOPEDIC SURGERY

Shannon K Bailey, PhD¹; Stephanie C Petterson, MPT, PHD²; Richard Friedland, DPM¹; ¹Immertec; ²Orthopaedic Foundation

PP69: EFFECTIVE IMPACT OF VIRTUAL CURRICULUM: ADAPTATION OF A MENTORED SURGICAL RESEARCH AND SKILLS PROGRAM FOR EARLY MEDICAL STUDENTS

Jessica R Santos-Parker, PhD¹; Keli S Santos-Parker¹; Caleb A Haley¹; C. Yoonhee Ryder¹; Lucy Zhuo¹; Davis P Argersinger¹; Gifty Kwakye²; Seth A Waits²; Laura M Mazer²; ¹University of Michigan Medical School; ²University of Michigan, Department of Surgery

PP70: DEVELOPING A LONGITUDINAL DATABASE OF SURGICAL SKILLS PERFORMANCE FOR PRACTICING SURGEONS: A FORMAL FEASIBILITY AND ACCEPTANCE INQUIRY

Megan Applewhite, MD¹; LaDonna Kearse, MD²; Hossein Mohamadipanah, PhD²; Anna Witt, BA²; Cassidi Goll, BA²; Brett Wise, BS²; James Korndorffer, MD, MHPE²; Carla Pugh, MD, PhD²; ¹Albany Medical College; ²Stanford University

PP71: SAFE IS AS SAFE DOES: A STUDY OF THE SURGICAL SAFETY CHECKLIST USING A SAFETY-II APPROACH

Melanie Hammond Mobilio, MA; Elise Paradis, PHD; Sydney Mcqueen, MSC; Carol-anne Moulton, MD, PHD; University of Toronto

PP72: VIRTUAL STUDENT-TRANSPLANT PATIENT INTERACTIONS EMPOWER PATIENTS AND ENHANCE STUDENT TRANSPLANTATION KNOWLEDGE

Taylor M Coe, MD; Trevor J McBroom; Sarah A Brownlee, MD; Stephen Bartels, MD, MS; Noelle Saillant, MD; Heidi Yeh, MD; Leigh Anne Dageforde, MD, MPH; Massachusetts General Hospital

Live Q&A with Shannon K. Bailey, PhD; Jessica R. Santos-Parker, PhD; LaDonna Kearse, MD; Melanie Hammond Mobilio, MA; Taylor M. Coe, MD

PP73: RESIDENT IN DIFFICULTY - CURRENT REMEDIATION PRACTICES AND OUTCOMES

Qi Yan; Mark G Davies; UT Health San Antonio

PP74: THE IMPLEMENTATION OF A VIRTUAL PREPARATORY COURSE FOR FUTURE SURGICAL INTERNS

Ogonna N Nnamani Silva, MD; Sanziana A Roman, MD; Edward H Kim, MD; Hueylan Chern, MD; Shareef Syed, MD; Sandhya B Kumar, MD; University of California San Francisco

PP75: REVITALIZING THE ROBOTIC SURGERY CURRICULUM FOR GENERAL SURGERY RESIDENTS

Amanda Phares, MD; Trevor Plescia, MD; Elizabeth Raskin, MD; UC Davis

PP76: ROBOTIC SURGEON RISK AVOIDANCE: WHAT THEY SEE AND WHAT THEY SAY

Courtney A Green, MAEd, MD¹; Joseph Lin, MD²; Rana Higgins, MD³; Patricia O'Sullivan, EdD²; Emily Huang, MAEd, MD⁴; ¹Mayo Clinic; ²University of California San Francisco; ³Medical College of Wisconsin; ⁴The Ohio State University Medical Center

PP77: FACTORS INFLUENCING PROCEDURAL ENTRUSTMENT: DIFFERENCES AMONG RESIDENTS AND MEDICAL STUDENTS

Darci C Foote, MD, MS; Niki Matusko, MSc; Rishindra M Reddy, MD; Gurjit Sandhu, PhD; University of Michigan

Live Q&A with Qi Yan; Ogonna N. Nnamani Silva, MD; Amanda Phares, MD; Courtney A. Greene, MAEd, MD; Darci C. Foote, MD, MS

11:30AM – 1:30PM

Podium III C

Moderators: James N. Lau, MD, MHPE, FACS & Natasha Keric, MD

PP78: SECONDARY APPLICATIONS IN GENERAL SURGERY IN A YEAR OF VIRTUAL INTERVIEWS

Rishindra M Reddy, MD¹; Kenneth Abbott, BA¹; Karla Robinson, BA¹; Natasha Keric, MD²; Noelle Saillant, MD³; Brigitte Smith, MD⁴; James Lau, MD⁵; ¹University of Michigan; ²University of Arizona; ³Massachusetts General Hospital; ⁴University of Utah; ⁵Loyola University

PP79: CORE MINIMUMS AND VARIATION IN GENERAL SURGERY OPERATIVE EXPERIENCE

Katherine McMackin; Philip Batista; Mikael Fadoul; Johann Lou; Bruce Tjaden; Jeffrey Carpenter; Joseph Lombardi; Cooper University Hospital

PP80: DEVELOPMENT OF A NATIONAL WEB-PORTAL TO SUPPORT RESIDENTS' EDUCATION IN QUALITY IMPROVEMENT SKILLS ACROSS UK UROLOGY TRAINING PROGRAMS: A MIXED METHODS APPROACH USING CO-DESIGN PRINCIPLES

Nick Sevdalis¹; Zuhur Balayah²; Elena Pallari¹; Wilson To, MD³; Luke Forster, MD⁴; Hannah Dasch¹; Ashley Mehmi, MD³; David Winters, MD³; Benjamin Starmer, MD⁵; Sot Tolofari, MD⁵; Aoife Keohane, PhD¹; Zarnie Khadjesari, PhD⁶; James Green, MD³; ¹King's College London, UK; ²City University, London, UK; ³Barts Health, London, UK; ⁴Charing Cross Hospital, London, UK; ⁵Liverpool University Hospitals, UK; ⁶University of East Anglia, UK

PP81: PERCEPTIONS AND BEHAVIORS OF LEARNER ENGAGEMENT WITH VIRTUAL EDUCATIONAL PLATFORMS

Karen J Dickinson, MBBS, MD, BSc, MEd, FRCS¹; Katharine E Caldwell, MD, MSCI²; Edward A Graviss, PhD, MPH, FIDSA³; Duc T Nguyen, MD, PhD³; Michael Awad, MD, PhD, FACS²; Jaisa Olasky, MD, FACS⁴; Sanda Tan, MD, PhD, FACS⁵; Joshua H Winer, MD, FACS⁶; Kevin Y Pei, MD, MHSEd, FACS⁷; ¹University of Arkansas for Medical Sciences; ²Washington University in St Louis; ³Houston Methodist Hospital; ⁴Beth Israel Lahey Health; ⁵University of Florida Health; ⁶Emory University; ⁷Parkview Health

PP82: THE VIRTUAL SUB-INTERNSHIP AS A METHOD FOR CONTINUING SURGICAL EDUCATION AMIDST A PANDEMIC

Samantha E Hoffman, BS¹; Rafael Vega, MD, PhD²; Martina Stippler, MD, FAANS²; ¹Harvard Medical School; ²Department of Neurosurgery, Beth Israel Deaconess Medical Center

Live Q&A with Rishindra M. Reddy, MD; Katherine McMackin; Nick Sevdalis; Kevin Y. Pei, MD, MHSEd, FACS; Samantha E. Hoffman, BS

PP83: DESIGNING A LONGITUDINAL DIDACTIC CURRICULUM FOR THE TRAINING AND PROFESSIONAL DEVELOPMENT OF THE ACADEMIC GLOBAL SURGERY TRAINEE

Sukriti Bansal, MD; Youmna A Sherif, MD; Jed G Nuchtern, MD; Todd K Rosengart, MD; Rachel W Davis, MD; Baylor College of Medicine

PP84: IDENTIFYING FACULTY AND RESIDENT PERSPECTIVES ON THE QUALITY OF OPERATIVE FEEDBACK AND TEACHING BEHAVIORS

Amanda Phares, MD; Trevor Plescia, MD; Shushmita Ahmed, MD; Victoria Lyo, MD; UC Davis

PP85: CONVERSATIONS IN THE OPERATING ROOM: BARRIERS AND FACILITATORS TO FACULTY USAGE OF A NEW SURGICAL COACHING TOOL

Cindy Tran¹; Jennifer Zering¹; Christine Fahim²; Kathleen Howcroft¹; Ranil Sonnadara¹; ¹McMaster University; ²Li Ka Shing Knowledge Institute

PP86: THE GLOBAL SURGERY STUDENT ALLIANCE (GSSA) NATIONAL LISTSERV: SHIFTING DISTRIBUTION OF MEDICAL TRAINEES INTERESTED IN GLOBAL SURGERY

Helen W Li, BA¹; Michael J Flores, BS²; Anusha Jayaram, BA³; Blake M Hauser, BSPH, MPhil⁴; Cybil S Stingl, BS⁵; Sam Simister, BS⁶; Parisa N Fallah, MD^{7,8}; ¹Indiana University School of Medicine; ²Yale School of Medicine; ³Tufts University School of Medicine; ⁴Harvard Medical School; ⁵Virginia Commonwealth University School of Medicine; ⁶University of Utah School of Medicine; ⁷Brigham & Women's Hospital; ⁸Massachusetts General Hospital

Live Q&A with Sukriti Bansal, MD; Trevor Plescia, MD; Cindy Tran; Helen W. Li, BA

ON-DEMAND CONTENT

Thinking Out of the Box Videos

TOTB-V-1: RAYS OF THE WEEK - AN INTERACTIVE TECHNIQUE TO DISSEMINATE CLINICAL INFORMATION AND ENCOURAGE CRITICAL THINKING

Paul Henry Kispert, MD; Kari M Rosenkranz, MD; Dartmouth-Hitchcock Medical Center

TOTB-V-2: SURGERY CLERKSHIP OBJECTIVE STRUCTURED CLINICAL EXAMINATIONS IMPLICATIONS FOR MEDICAL EDUCATION

Misa Stroker, MD, PharmD¹; Mamoona Khokhar, MD¹; Christine Lovato, MD²; Natasha Keric, MD³; ¹University of Arizona College of Medicine-Phoenix; ²University of Arizona College of Medicine-Phoenix; Banner University Medical Center-Phoenix; ³University of Arizona College of Medicine-Phoenix: Banner University Medical Center-Phoenix

TOTB-V-3: LIGHTS, CAMERA, ROBOT: RESIDENT PRODUCED VIDEO MASTERCLASS FOR A NOVEL MULTIDISCIPLINARY ROBOTIC SIMULATION CURRICULUM

Augustus Gleason, MD; Valena Wright, MD; Michelle Mccarthy, MD; Piyush Gupta, MD; Victoria Valdes, MD; Lahey Hospital and Medical Center

TOTB-V-4: VIRTUALLY EMPOWERING YOUNG PEOPLE TO INTERVENE IN BLEEDING EMERGENCIES

Julia Isaacson, BA; Elizabeth Zhao, BA; Madison Krischak, BS; Sonali Biswas, BS; Douglass Coleman; Duke University School of Medicine

TOTB-V-5: REMOTE LAPAROSCOPIC SKILLS TRAINING IN A VIRTUAL ERA: REAL-TIME FEEDBACK FOR GENERAL SURGERY INTERNS

Sarah Lund, MD; Vicky Yeh, PhD; Ryan Kuisle; James Johnson; Torrey Laack, MD; Mariela Rivera, MD; Mayo Clinic

TOTB-V-6: INTEGRATING SURGICAL TRAINEES INTO VIRTUAL CLINICS

Vahagn C Nikolian, MD¹; Emaad J Iqbal²; Ashraf Samhan, BS³; Stephanie MacDonald, BS³; Mackenzie Cook, MD³; Karen Brasel, MD, MPH³; ¹Oregon Health & Science University (OHSU); ²Columbia University Medical Center; ³OHSU

Posters

PS01: ASSESSING OCCUPATIONAL SYMPTOMS AND ERGONOMICS AWARENESS AMONG RESIDENT SURGEONS

Tristan Fielder; Sushmitha Ramesh; Ravyn Middleton; Alyssa Langley; Meenakshi Rajan, MD; University of Texas Health Science Center San Antonio

PS02: FEASIBILITY STUDY OF DEFINING AND USING CRITERIA TO DETERMINE HONORS FOR 4TH YEAR MEDICAL STUDENTS

Matthew Y Lin, MD¹; Jessica Gosnell, MD¹; Candic A Sauder, MD²; Jeannette Lager, MD¹; James Lau, MD³; Lindsey Mossler, MD⁴; Laura Torbeck, PhD⁴; ¹University of California San Francisco; ²University of California Davis; ³Loyola University Medical Center; ⁴Indiana University

PS03: QUANTIFYING THE OPERATIVE LEARNING CURVE: PERSONALIZED PROCEDURAL METRICS FOR RESIDENTS

Thomas M Ward, MD; Daniel A Hashimoto, MD, MS; Ozanan R Meireles, MD; Massachusetts General Hospital

PS04: SELF-SCORING AUTONOMY SURVEY AND PSYCHOMOTOR PERFORMANCE: IS THERE A LINK?

Christina Georgeades, MD¹; Philip Redlich, MD, PhD^{1,2}; Robert Treat, PhD¹; Thomas Carver, MD¹; Matthew Goldblatt, MD¹; Kellie Brown, MD^{1,2}; Shahriar Alizadegan, MD¹; Christopher Davis, MD, MPH¹; Christopher Dodgion, MD, MSPH, MBA¹; Lisa Olson, BS¹; Theresa Krausert, BA¹; Neel Mansukhani, MD^{1,2}; Brian Lewis, MD^{1,2}; Michael Amendola, MD^{3,4}; Michael J Malinowski, MD^{1,4}; ¹Medical College of Wisconsin; ²Zablocki Veterans Affairs Medical Center; ³Virginia Commonwealth University; ⁴Johns Hopkins University

PS05: MANDATORY RESIDENT RESEARCH YEAR NOT ASSOCIATED WITH OPERATIVE SKILLS DECAY

Pathik Aravind, MBBS¹; Kimberly Khoo, BSA²; Scott D Lifchez, MD¹; Damon S Cooney, MD, PhD¹; Carisa M Cooney, MPH¹;
¹Department of Plastic and Reconstructive Surgery, Johns Hopkins University School of Medicine, Baltimore, MD; ²Johns Hopkins School of Public Health, Johns Hopkins University School of Medicine, Baltimore, MD

PS06: IMPACT OF ORTHOPAEDIC SURGICAL SKILLS BOOTCAMP ON SIMULATED SUTURE TASK PERFORMANCE

Ananth Punyala, BS, MS¹; Jona Kerluku, BS²; Joseph Nguyen, MPH²; Karla Felix, PhD²; Moira McCarthy, MD²; Daniel Osei, MD, MS²; Alejandro Leali, MD²; Duretti Fufa, MD³; ¹Weill Cornell Medical College; ²Hospital for Special Surgery; ³Hospital for Special Surgery & Weill Cornell Medicine

PS07: FORMAL SURGICAL ASSESSMENTS USED IN UROLOGY TRAINING

Hannah Slovacek¹; Phillip B Mann, DO²; Ly Hoang, MD³; Leonardo Borregales, MD²; Steven Canfield, MD²; ¹Loyola University Medical Center, Maywood, IL; ²University of Texas Health Science Center at Houston, Houston, TX; ³Beaumont Hospital, Royal Oak, MI

PS08: IS REDUCING INTER-RATER VARIABILITY OF APPLICATIONS TO GENERAL SURGERY RESIDENCY PROGRAMS POSSIBLE?

Shayda Taheri; Josh Bugis; Gale Ladua; Jenny Zhang; Jason Sutherland, PhD; Heather Stuart; Ahmer A Karimuddin, MD; Tracy M Scott; University of British Columbia

PS09: WE ARE ALL IN THE SAME BOAT

Hossam Abdou, MD; Ace St. John, MD; Natalia Kubicki, MD; Rebecca Brown, MD; Sarah Kidd-Romero; Eric Strauch, MD; Stephen M Kavic, MD; University of Maryland Medical Center

PS10: THE ROLE OF MOTION TRACKERS IN THE ASSESSMENT OF KNOT-TYING SKILLS AMONG FIRST-YEAR SURGICAL TRAINEES: A PILOT STUDY

Khaled Abdul Jawad, MD; Tyler Herrington, BS; Jonathan Parks, MD; Rodrigo Olivera, MD; Rishi Rattan, MD; Gerd Daniel Pust, MD; Nicholas Namias, MD, MBA; Omaid Velazquez, MD; Daniel Dante Yeh, MD, MHPE; University of Miami Miller School of Medicine

PS11: FLIPPING THE CLASSROOM IN RESIDENCY DIDACTICS AND AN INTENSIVE REMEDIATION CLASS FOR UNDERPERFORMING RESIDENTS LEAD TO HIGHER AMERICAN BOARD OF SURGERY IN-TRAINING EXAMINATION SCORES

Andrea Finn¹; Julia L Nugent, MD²; Steven S Qi²; Matthew Robertson, MD²; Matthew C Bobel, MD²; Melissa E Brunsvold, MD, FACS²; ¹University of MN Medical School-Twin Cities; ²University of MN

PS12: LEADERSHIP TRAINING FOR SURGICAL RESIDENTS: A NOVEL TEAM LEADERSHIP CURRICULUM AT AN ACADEMIC GENERAL SURGERY PROGRAM

Hope T Jackson, MD, FACS; Sheena W Chen, MD; Erik J DeAngelis, MD; Rabab Barq, BS; Tina Doan, AB; Sangrag Ganguli, BA; Juliet Lee, MD, FACS; Khashayar Vaziri, MD, FACS; Ellen Goldman, EdD; Department of Surgery, George Washington University

PS13: MORBIDITY AND MORTALITY CONFERENCE IN THE COVID ERA: IMPROVING ATTENDANCE THROUGH A VIRTUAL EDUCATION PLATFORM

Jocelyn Powell, DO¹; Arun Mavanur, MD¹; Chris DAdamo, PhD²; ¹Sinai Hospital of Baltimore; ²University of Maryland

PS14: EVALUATING A MULTI-YEAR, WEEKLY MOCK ORAL CURRICULUM FOR SENIOR RESIDENT TRAINING: A QUANTITATIVE APPROACH

Timothy L Ruiz, BSA; Brandon Sellers, BS; Aditya Devarakonda, BS; Chase J Wehrle, BA; Tania K Arora, MD; Medical College of Georgia, Augusta Georgia

PS15: DEVELOPING BIOETHICS CURRICULAR OBJECTIVES FOR THE GENERAL SURGERY CLERKSHIP IN UNDERGRADUATE MEDICAL EDUCATION

Shyam Patel, BS; University of California, San Francisco School of Medicine

PS16: EVALUATING THE UTILITY OF VIRTUAL REALITY IN HIGH-YIELD VIDEO-BASED MEDICAL STUDENT EDUCATION

Benjamin Wang, BS; Hillary Prince, MD, MS; Michael Cripps, MD, MSCS, FACS; Madhuri Nagaraj, MD; William Turner, MD; Caroline Park, MD, MPH, FACS; University of Texas Southwestern Medical Center

PS17: FACTORS THAT IMPACT STUDENTS' DECISION MAKING WHEN CHOOSING A SURGICAL RESIDENCY TRAINING PROGRAM

Meiyi Shi, MD; Asha Bale, MD; Marson Davidson, MD; Burton Surick, MD; Hackensack University Medical Center

PS18: GENERAL SURGERY MEDICAL EDUCATION AND VIDEO CONFERENCING: LESSONS LEARNED DURING COVID-19 PANDEMIC

Estela Abich, MD¹; Joseph Sujka²; Karen Safscak, RN¹; Ann Mitrano, BA¹; William Havron, MD, FACS¹; Stephen Hersperger, MD, FACS¹; ¹Orlando Health; ²Tampa General

PS19: QUESTION-BASED MODULES APPLIED TO SURGICAL ANATOMY DISSECTIONS IN PLASTIC SURGERY RESIDENCY CURRICULUM

Luis A Antezana, BS¹; Tony C Huang, MD, MSc²; Brian T Carlsen, MD²; Lisa Banks²; Waleed Gibreel, MBBS²; Christin Harless, MD²; Karim Bakri, MBBS²; ¹Mayo Clinic Alix School of Medicine; ²Division of Plastic Surgery, Mayo Clinic

PS20: LEFT-HANDED ADAPTATIONS TO THE RIGHT-HANDED WORLD OF SURGERY: TOWARD PERSONALIZED TRAINING

Joseph A Lin, MD, MPH; Simon Chu, MD; Nichole Starr, MD, MPH; Shareef Syed, MD; Adnan Alseidi, MD, MEd; Patricia O'Sullivan, EdD; Joseph Rapp, MD; Hueylan Chern, MD; UCSF Department of Surgery

PS21: SO YOU WANT(ED) TO BE A SURGEON? THE COVID EFFECT

Sarah J Atkinson, MD¹; Deborah Marquardt, MD²; Sara Kim, PhD¹; Nicole Zern, MD¹; Kathleen S Berfield, MD²; Judy Y Chen, MD¹; Lorrie A Langdale, MD²; Roger Tatum, MD²; ¹University of Washington; ²University of Washington and VA Puget Sound, Seattle

PS22: THE DEVELOPMENT OF A COORDINATED RESIDENCY EDUCATION CURRICULUM FOR A GEOGRAPHICALLY DISPERSED SURGERY RESIDENCY PROGRAM

Kurt G Davis, MD; Lance Stuke, MD; Jeffrey S Barton, MD; LSU College of Medicine

PS23: LAPAROSCOPIC AMBIDEXTERITY IN LEFT-HANDED TRAINEES

Madhuri B Nagaraj, MD, MS; Kareem R Abdelfattah, MD, FACS; Deborah E Farr, MD, FACS; UT Southwestern

PS24: CURRENT EDUCATIONAL INTERVENTIONS FOR IMPROVING CRISIS RESOURCE MANAGEMENT SKILLS IN SURGERY

Ishan Aditya¹; Jared E Dookie²; Jethro C Kwong, MD¹; Jason Y Lee, MD¹; Mitchell G Goldenberg, MD¹; ¹University of Toronto; ²Western University

PS25: CRITICAL CARE ULTRASOUND CURRICULUM FOR SURGEONS, FELLOWS, RESIDENTS, AND APPS

Laura R Brown, MD, PhD; Prerna Ladha, MD; Joseph Golob, MD, MPH; MetroHealth Medical Center

PS26: HOW DO STUDENTS FIND RESEARCH OPPORTUNITIES? IT'S NOT AS EASY AS IT SEEMS

Kurt Shaffer; Ayushi Sharma; Thomas Gillespie, MD; Creighton University School of Medicine

PS27: AUGMENTING MEDICAL STUDENT SURGICAL EDUCATION BY MEETING AN INSTITUTIONAL CLINICAL NEED

Anya L Greenberg, MBA¹; Christopher L Johnson, MA¹; Hope Schwartz¹; Sophia Hernandez¹; Ogonna N Nnamani Silva, MD²; Laura E Wong, MD, PhD¹; Deborah B Martins, MD¹; Jeanette M Broering, PhD, MPH, RN¹; Patricia S O'Sullivan, EdD¹; Sandhya B Kumar, MD¹; Tasce Bongiovanni, MD, MPP¹; Elizabeth C Wick, MD¹; Sanziana Roman, MD, FACS¹; ¹University of California, San Francisco; ²Stanford University

PS28: IMPLEMENTATION OF A NARRATIVE MEDICINE CURRICULUM IN A GENERAL SURGERY RESIDENCY DURING COVID-19

Catherine G Tran, MD; Julia S Shelton, MD, MPH; Carol E Scott-Conner, MD, PhD, MBA; University of Iowa

PS29: ENHANCING EDUCATION TO MULTI-DISCIPLINARY CANCER CARE DURING THE MEDICAL STUDENT SURGICAL CLERKSHIP: THE MOCK TUMOR BOARD

George Q Zhang, MPH; Misty Grimes; Bethany C Sacks, MD; Stephen C Yang, MD; Department of Surgery, Johns Hopkins University School of Medicine

PS30: CROSS-CULTURAL COMPETENCY TRAINING FOR RESIDENT PHYSICIANS: INSIGHTS FOR DESIGNING A 'LOCAL' GLOBAL HEALTH EXPERIENCE

Lily Kaufman; Dinah Diab, BS; Alicia Scimeca, BA; Michael Sourial, MD; David Sharp, MD; Cheryl T Lee, MD; Tasha Posid, MA, PhD; The Ohio State University Wexner Medical Center

PS31: IMPLEMENTATION OF FORMALIZED ULTRASOUND ROUNDS IN THE SURGICAL INTENSIVE CARE UNIT IS A CRITICAL COMPONENT TO GENERAL SURGERY TRAINING

Jamie B Hadley, MD¹; Cordelie E Witt, MD, MPH¹; Ernest E Moore, MD²; ¹University of Colorado; ²Denver Health Medical Center

PS32: BALLISTIC LEARNING AND SIMULATION FOR TRAUMA (BLAST): A NOVEL CURRICULUM FOR TEACHING BALLISTIC INJURY AND ADVOCACY

Jenaya L Goldwag, MD¹; Charles P Burney, MD¹; Andrew O Crockett, MD²; ¹Dartmouth-Hitchcock Medical Center; ²Geisel School of Medicine at Dartmouth

PS33: MISSING MILESTONES: PUBLIC HEALTH COMPETENCIES AND REQUIREMENTS IN US SURGICAL, ANESTHESIA, AND OB/GYN RESIDENCY TRAINING

Anusha Jayaram¹; Adam Amar, MD¹; Nathan A Shlobin²; Gail Rosseau, MD³; Kee B Park, MD, MPH¹; ¹Program in Global Surgery and Social Change, Department of Global Health and Social Medicine, Harvard Medical School; ²Department of Neurological Surgery, Northwestern University Feinberg School of Medicine; ³Department of Neurological Surgery, George Washington University School of Medicine and Health Sciences

PS34: DEVELOPMENT OF A SURGERY LONGITUDINAL INTEGRATED CLERKSHIP IN THE SECOND YEAR OF MEDICAL SCHOOL

Vikram Attaluri, MD; Marc Klau, MD; Nancy Spiegel, MA; Anissa LaCount, MD; Roya Lewis, MD; Harminder Brar, MD; Adrianna Barrett, MD; Michael Kanter, MD; Lindsay Mazotti, MD; Kaiser Permanente School of Medicine

PS35: STUDENT LED SURGERY CLERKSHIP CURRICULUM DEVELOPMENT DURING THE COVID-19 PANDEMIC

Sandra Perez; Leslie Bernal Charondo; Matthew Lin, MD; University of California, San Francisco School of Medicine

PS36: COGNITIVE FITNESS - EMOTIONAL INTELLIGENCE TRAINING IN THE MS3 SURGERY CLERKSHIP

Alexander R Raines, MD; Seth Hickerson; Kathy Ginter; Jeremy Johnson; Joey Medina; Jennifer Clark; Lindsay Lindsey; University of Oklahoma

PS37: MEDICALLY SMART, FISCALLY ILLITERATE: LACK OF FINANCIAL EDUCATION LEADS TO POOR RETIREMENT SAVINGS STRATEGIES IN SURGICAL TRAINEES

James R Barrett, MD¹; Laura D Leonard, MD²; Alexandra Kovar²; Daniel P McCarthy, MD, MBA¹; Bruce Harms, MD, MBA¹; Sarah E Tevis, MD²; ¹University of Wisconsin; ²University of Colorado

PS38: PROVIDING NON-CLINICAL SURGERY EDUCATION DURING THE COVID-19 PANDEMIC: WHAT WE HAVE LEARNED

Cyrus A Pumilia, BS; Talia A Helman, BS; Alexandria R Waler, BS; Andrew A Taitano, MD, FACS; University of Central Florida College of Medicine

PS39: RESIDENTS' PERCEPTION ON ALTERNATIVE SURGICAL LEARNING PATHWAYS IN NEPAL: AN INCLUSIVE STUDY SEEKING OPPORTUNITIES IN DIVERSITY IN LOW MIDDLE INCOME COUNTRY

Dr. Anip Joshi, MBBS, MS; Bir Hospital, National Academy of Medical Sciences, Kathmandu, Nepal

PS40: ON THE EVE OF INTEGRATION: COMMUNITY AND AFFILIATED RESIDENCY PROGRAMS PAVE THE WAY TOWARDS THE ASSIMILATION OF OSTEOPATHIC SURGERY RESIDENTS

Artem Boyev, DO¹; Rachel Burke, OMSII²; Ning Cheng, PhD²; John Falcone, MD, MS, FACS^{3,4}; Tommy G Lindsey, DO, FACOS²; ¹University of Texas Health Science Center at Houston; ²Edward Via College of Osteopathic Medicine; ³Owensboro Health, Department of Surgery; ⁴University of Louisville, Department of Surgery

PS41: BURN SURGERY FELLOWSHIP: A MODEL FOR GENDER AND RACIAL DIVERSITY IN SURGICAL TRAINING

RJ Lodescar, MD¹; J Gallagher, MD, FACS²; AP Houg, MD, MSE, FACS²; ¹New York Presbyterian Hospital; ²Weill Cornell Medical College

PS42: PERCEPTIONS AND FACTORS IN MEDICAL SCHOOL EDUCATION THAT CONTRIBUTE TO PURSUIT OF NEUROSURGICAL CAREERS

Natalie E Williams, BS¹; Martina Stippler, MD²; ¹Harvard Medical School; ²Neurosurgery Department, Beth Israel Deaconess Medical Center

PS43: SOCIAL JUSTICE ADVOCACY AND THE SURGICAL TRAINEE

Heather Liebe, MD¹; Christie Buonpane, MD²; Samara Lewis, MD¹; Ryan Phillips, MD³; Catherine Hunter, MD¹; ¹Oklahoma University; ²Geisinger Medical Center; ³Ochsner Clinic Foundation

PS44: BEHAVIORAL BASED INTERVIEWING IN GENERAL SURGERY RESIDENCY: AN UNEXPECTED SIDE EFFECT

Madhuri B Nagaraj, MD, MS; Deborah E Farr, MD, FACS; Lauren E Matevish, MD; Alexander L Marinica, DO; Rebecca H Napier, MBA; Rachael E Lefevre, BS; Sherri Toney, SPHR; Herbert J Zeh, MD, FACS; Kareem R Abdelfattah, MD, FACS; UT Southwestern

PS45: THE ROLE OF SEDATION SIMULATION TRAINING IN THE CREDENTIALING PROCESS OF PRACTICING SURGEONS: ENSURING PROFICIENCY, ENABLING MEANINGFUL PROFESSIONAL GROWTH, AND INSTITUTING QUALITY IMPROVEMENT SIMULTANEOUSLY

B Mead; J. Velasco; N Siparsky; Rush University Medical Center

PS46: PASSING THE SCALPEL: DEFINING AND PREPARING FOR SURGEON TRANSITIONS FROM CLINICAL PRACTICE

Roi Anteby, MD¹; Robert D Sinyard III, MD, MBA¹; Michael G Healy, EdD¹; Andrew Warshaw, MD¹; Richard Hodin, MD¹; E. Christopher Ellison, MD²; Roy Phitayakorn, MD, MHPE¹; ¹Department of Surgery, Massachusetts General Hospital, Boston, Massachusetts; ²Department of Surgery, The Wexner Medical Center at The Ohio State University, Columbus, Ohio

PS47: EFFECTIVE SENIOR SURGICAL RESIDENTS AS DEFINED BY THEIR PEERS: A QUALITATIVE ASSESSMENT

Taylor M Coe¹; Kristen M Jogerst, MD, MPH²; Emil Petrusa, PhD¹; Roy Phitayakorn, MD, MHPE¹; Jeremy Lipman, MD, MHPE³; ¹Massachusetts General Hospital; ²Mayo Clinic Arizona; ³Cleveland Clinic

PS48: SOCIAL RHYTHM AND LOCUS OF CONTROL AS DETERMINANTS OF RESIDENT BURNOUT AND DEPRESSION

Pridvi Kandagatla, MD; David Moore, PhD; Ann Woodward, MD; Arielle Gupta, MD; Henry Ford Hospital/Wayne State University

PS49: KEY FACTORS INFLUENCING MEDICAL STUDENT CAREER CHOICE IN SURGERY

Kevin A Hao; Shengyi Fu; Saleem Islam, MD, MPH; Shawn D Larson, MD; Robin T Petroze, MD, MPH; Moiz M Mustafa, MD; Janice A Taylor, MD, MEd; University of Florida

PS50: HEART OF THE STORM: COVID-19 AND ITS EFFECTS ON A GENERAL SURGERY RESIDENCY IN A NYC COMMUNITY TEACHING HOSPITAL

James Hu, MD; Roseanna Lee; James Rucinski, MD; Michael Zenilman; NYP:Brooklyn Methodist Hospital

PS51: BARRIERS TO INCREASED USE OF THE ELECTRONIC HEALTH RECORD BY SURGICAL CLERKSHIP STUDENTS IN NORTH AMERICA

Jaisa Olasky, MD¹; Sophia McKinley, MD²; Kimberly D Schenarts, PhD³; ¹Mount Auburn Hospital; ²Massachusetts General Hospital; ³University of Nebraska Medical Center

PS52: RESIDENT MOTIVATION FOR LONGITUDINAL NEAR-PEER LEARNING PARTICIPATION IN GRADUATE SURGICAL EDUCATION

Cecilia J Im, BS; Patricia C Conroy, MD; Sarah Mohamedaly, MD, MPD; Mohammad Karimzada, MD; Sophia Hernandez, BS; Sanziana Roman, MD; Kenzo Hirose, MD; Patricia O'Sullivan, MS, EdD; Adnan Alseidi, MD, EdM; Kimberly Kirkwood, MD; University of California San Francisco

PS53: LEARNING INTERRUPTED: EDUCATIONAL IMPACT OF INTERRUPTIONS ON SURGICAL RESIDENTS

Chris J Zhang¹; Eric Walser, MD²; Anna Mierzwa¹; Michael Ott, MD, MSc, FRCSC, FACS²; ¹Schulich School of Medicine, Western University, London ON; ²Division of General Surgery, Department of Surgery, Schulich School of Medicine, Western University, London ON

PS54: RESEARCH YEAR INTEREST AMONG MEDICAL STUDENTS PURSUING SURGICAL RESIDENCIES

Trevor C Hunt, BA¹; Andrew Gusev, BA²; ¹Brody School of Medicine at East Carolina University, Greenville, NC; ²University of Massachusetts Medical School, Worcester, MA

PS55: THE EFFECT OF ADVANCED PRACTICE PRACTITIONERS ON ACGME COLON AND RECTAL SURGERY RESIDENT DIAGNOSTIC INDEX CASE EXPERIENCES

Scott R Kelley, MD; Jonathan D D'Angelo, PhD; Anne-Lise D D'Angelo, MD, MEd; Kevin T Behm, MD; Dorin T Colibaseanu, MD; Amit Merchea, MD; Nitin Mishra, MD, MPH; Eric J Dozois, MD; Kellie L Mathis, MD, MS; Mayo Clinic

PS56: IMPACT OF COVID-19 ON TRAUMA SURGICAL EDUCATION AT A LEVEL 1 TRAUMA CENTER

Brett Salomon, MD; Amy Howk, MD; Catherine L McKnight, MD, FACS, CNSC; University of Tennessee Graduate School of Medicine-Knoxville

PS57: MEDICAL STUDENT PERSPECTIVES ON CHOOSING A CAREER IN VASCULAR SURGERY

M DeAngelo¹; A Hakim¹; A Darelli-Anderson A¹; J Harding²; B Smith¹; ¹University of Utah; ²University of California, Davis

PS58: THE MORE, THE MERRIER: VIRTUAL RESIDENCY FAIR BENEFITS BOTH STUDENTS AND RESIDENCY PROGRAMS

C Y Chung, MD¹; V Chandra, MD²; J Rectenwald, MD³; M Smeds, MD¹; ¹St. Louis University; ²Stanford University; ³University of Wisconsin

PS59: A STUDY OF THE GROWING USE OF SOCIAL MEDIA IN THE MEDICAL FIELD

Dinah Diab, BS; Nicolette Payne, BS; Alicia Scimeca, BA; Tasha Posid, MA, PhD; The Ohio State University

PS60: WELLNESS WITHIN A SURGICAL TRAINING ENVIRONMENT DURING COVID-19 RESPONSE

Bethany Clutts, DO; Sarah Hayek, MD; Christie Buonpane, MD; Ryan Shabahang; Mohsen Shabahang, MD, PhD; Geisinger Medical Center

PS61: CREATION OF AN ONLINE VIDEO REPOSITORY FOR SURGICAL EDUCATION DURING COVID-19: THE "QUARANTINE SURGICAL EDUCATION" YOUTUBE CHANNEL

Colin G DeLong, MD; Katelin A Mirkin, MD; Cheyenne C Sonntag, MD; Kelsey L Fletcher, MD; Eric M Pauli, MD; Penn State Health

PS62: VIRTUAL JOURNAL CLUB DURING THE COVID-19 PANDEMIC STRENGTHENS CONNECTIONS BETWEEN MEDICAL STUDENTS AND SURGERY FACULTY, AND BOLSTERS STUDENT EDUCATION

Alyssa E Stetson¹; Robert D Guber¹; Kurt S Schultz¹; James E Carroll²; ¹UMass Medical School; ²UMass Memorial Medical Center

PS63: A SIMPLE AND COST-EFFECTIVE WAY TO IMPROVE RESEARCH PRODUCTION IN A GENERAL SURGERY RESIDENCY

Texell Longoria Dubocq, MD; William Mendez, MD, FACS; University of Puerto Rico School of Medicine

PS64: ARE EU- DIS-STRESSED? ESTABLISHING A CONCEPTUAL FRAMEWORK FOR SURGEON STRESS

Sydney A McQueen, MSc; Melanie Hammond Mobilio, MA; Carol-anne Moulton, MBBS, PhD; University of Toronto

PS65: MAXIMIZING BENEFIT OF VIRTUAL LEARNING: LESSONS FROM THE COVID-19 PANDEMIC

Alexandra M Adams, MD, MPH; Robert C Chick, MD; Anne E O'Shea, MD; Patrick M McCarthy, MD; Mamie C Stull, MD; Diane F Hale, MD; Brandon W Propper, MD; Guy T Clifton, MD; Timothy J Vreeland, MD; Brooke Army Medical Center

PS66: DEVELOPMENT AND VALIDATION OF SHALAMAR ONLINE LEARNING EXPERIENCE MEASURE (SOLEM)

Fatima Tu Zahara, Dr¹; Talat Waseem, Dr²; ¹Mayo Hospital Lahore; ²Shalamar Institute of Health Sciences

PS67: RESIDENT AUTONOMY: A QUICK CLIMATE ASSESSMENT TO GUIDE IMPROVEMENT

Chad Cryer, MD; Yuen-Ling A Chen, MD; Susan Steinemann, MD; Kenric Murayama, MD, MBA; University of Hawaii

PS68: SUSTAINABILITY OF LECTURE-BASED EDUCATIONAL INTERVENTIONS IN IMPROVING SURGICAL RESIDENT OPIOID PRESCRIBING

Victoria Huynh, MD; Sarah Tevis, MD; Ethan Cumbler, MD; Mark Nehler, MD; Nicole Christian, MD; University of Colorado Anschutz Medical Center

PS69: WORK VOLUME NOT WORK HOURS AND ITS EFFECT ON SURGICAL RESIDENCY BURNOUT

Ryan Accomazzo, MPH; Joshua F Scarcella; Nathaniel Poulin, MD; Brody School of Medicine

PS70: MUSCULOSKELETAL MEDICINE AND SELF-DIRECTED LEARNING IN ORTHOPEDICS: AN INTERPRETIVE DESCRIPTION STUDY

Kestrel McNeill, BHSc¹; Devin Peterson, MD, FRCSC¹; Dianne Bryant, MSc, PhD²; Ranil R Sonnadara, PhD¹; ¹McMaster University; ²University of Western Ontario

PS71: PLASTIC SURGERY RESIDENT PERCEPTION OF DIDACTICS AFTER FORMAT RESTRUCTURING DUE TO COVID-19

Rakel M Zarb, MD; Karri Adamson, MD; Aaron Morgan, MD; Medical College of Wisconsin

PS72: EXPOSURE TO RURAL SURGERY IN MEDICAL SCHOOL AS A STRATEGY FOR PRODUCING RURAL SURGEONS: A SYSTEMATIC REVIEW

Ryan Accomazzo, Mr; Joshua F Scarcella, Mr; Kerry Sewell, Ms; Brody School of Medicine

PS73: DEVELOPMENT OF A TELESIMULATION CURRICULUM FOR LAPAROSCOPIC INGUINAL HERNIA REPAIR: A FEASIBILITY STUDY

Kotoe Kiriya¹; Yo Kurashima¹; Yusuke Watanabe¹; Saseem Poudel²; Kenichi Mizunuma³; Tomoko Mizota³; Yuma Ebihara¹; Soichi Murakami¹; Toshiaki Shichinohe¹; Satoshi Hirano¹; ¹Department of Gastroenterological Surgery II, Hokkaido University Graduate School of Medicine; ²Steel Memorial Muroran Hospital; ³National Hospital Organization Hakodate National Hospital

PS74: COMPETENCY BASED TRAUMA SIMULATION IN RESIDENT EDUCATION

Nicholas T Duletzke, MD; Ruth Braga, MSN, RN; Toby Ennis, MD; Marta McCrum, MD, MPH; Jason Young, MD, PharmD; Jade Nunez, MD; Raminder Nirula, MD, MPH; Alexander Colonna, MD, MSCI; University of Utah

PS75: A SIMULATION LAPAROTOMY CLOSURE CURRICULUM FOR NOVICES IMPROVES KNOWLEDGE OF TECHNIQUE

Rathnayaka Mudiyansele K Gunasingha, MD¹; Ashley Hafer, MD²; Christopher Dyke, MD¹; W. Brian Sweeney, MD, FACS¹; Brenton R Franklin, MD, MHPE, FACS¹; ¹Walter Reed National Military Medical Center; ²Navel Medical Center-Portsmouth

PS76: A FIVE-YEAR REVIEW OF SURGICAL OLYMPICS AND CALL FOR ESTABLISHMENT OF A NATIONAL EVENT REPOSITORY

Christopher J McLaughlin, MD¹; Elizabeth Olecki, MD¹; Colin G DeLong, MD¹; Alexander Liu, MD¹; Kelly A Stahl, MD¹; Lureye Myers, MS²; Steven R Allen, MD³; ¹Penn State College of Medicine, Department of Surgery; ²Penn State College of Medicine; ³Penn State Health, Department of Surgery, Division of Trauma, Critical Care, and Acute Care Surgery

PS77: INCREASING RESIDENT CONFIDENCE IN OBTAINING INFORMED CONSENT AND DISCLOSING COMPLICATIONS THROUGH A FORMAL EDUCATIONAL PROGRAM IN PROCEDURAL-BASED SPECIALTIES

Valeda Yong, MD; Kimberly Gilmore, MLAS; Jane Cripe, BSMT; Charles Conklin, BS, MBA, CPHRM; Elizabeth Dauer, MD, FACS; Temple University Hospital

PS78: COMPARISON OF LEARNING OUTCOMES IN NOVICE SURGICAL TRAINEES PERFORMING FASCIOTOMIES USING A SIMULATOR AND VIDEO

Tammy E Phillips, BS¹; Evan P Johnson, BS¹; Andrew B Romero, BS¹; Daniel B Topping, MD¹; John S Kirkpatrick, MD¹; William Y Pike, PhD²; ¹University of Central Florida College of Medicine; ²SFC Paul Ray Smith Simulation and Training Technology Center

PS79: THE RETENTION OF LAPAROSCOPIC PRECISION CUTTING TRAINING FOR MEDICAL STUDENTS - MASS VS. DISTRIBUTED PRACTICE

Chi-Chuan Yeh, MD, MEd, PhD¹; Tzu-Wei Tseng, MS¹; I-Rue Lai, MD, PhD²; ¹Department of Medical Education, Department of Surgery, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan; ²Department of Surgery, Department of Anatomy and Cell Biology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

PS80: DEVELOPMENT OF THE ASSESSMENT AND TRAINING TOOLS FOR THE PANCREATOJEJUNOSTOMY

Kenichi Mizunuma¹; Yo Kurashima¹; Saseem Poudel²; Kotoe Kiriyama¹; Tomoko Mizota³; Yusuke Watanabe¹; Takehiro Noji¹; Toru Nakamura¹; Keisuke Okamura¹; Toshiaki Shichinohe¹; Satoshi Hirano¹; ¹Department of Gastroenterological Surgery II, Hokkaido University; ²Steel Memorial Muroran Hospital; ³NHO Hakodate National Hospital

PS81: THE RESOURCE COSTS OF MAINTAINING LEARNER UTILIZATION OF A SIMULATION CENTER DURING THE COVID-19 PANDEMIC

Anastasios Mitsakos, MD¹; William Irish, PhD¹; Walter Robey III, MD, FACEP, CHSE²; Rebecca Gilbird, MPH, CHSE, CHSOS³; Jessica Cringan, CHSOS³; Carl Haisch, MD, FACS¹; ¹Department of Surgery, East Carolina University; ²Department of Emergency Medicine, East Carolina University; ³Clinical Simulation Program, East Carolina University

PS82: ATTITUDES TO SIMULATION AND SIMULATOR DESIGN

Leonie Heskin, Ms¹; Rose Galvin²; Ciaran Simms³; Oscar Traynor¹; ¹RCSI; ²UL; ³TCD

PS83: AN ACADEMIC GENERAL SURGERY PROGRAM'S INITIAL EXPERIENCE WITH VIRTUAL INTERN ORIENTATION DURING THE COVID-19 PANDEMIC

Colin G DeLong, MD; Kelly A Stahl, MD; Alexander T Liu, MD; Elizabeth J Olecki, MD; Christopher J McLaughlin, MD; Steven R Allen, MD; Penn State Health

PS84: WHAT IS A "GOOD" SURGICAL VIDEO?

Murodbek Akhrorov; Jonathan White, PhD, MSc; Bin Zheng, PhD; Simon Turner, MSc; University of Alberta

PS85: COST (CLINICAL OUTCOMES AND SURGICAL TIME) OF TRAINING PEDIATRIC LAPAROSCOPIC GASTROSTOMY

Angela Hargis-Villanueva¹; Benjamin Padilla, MD¹; Raphael Parrado¹; Paul Kang²; Mark Molitor¹; David Notrica¹; Daniel Ostlie¹; Justin Lee¹; ¹Phoenix Children's Hospital; ²Arizona State University

PS86: THE LIVER BOX: A TOOL FOR SURGICAL ANATOMY

Ashlee Stutsrim, MD; Richard Erali, MD; Clancy Clark, MD; Wake Forest Baptist Medical Center

PS87: IMPROVING SCORE OUTCOMES OF THE NBME SURGERY SHELF: IS THERE AN OPTIMAL NUMBER OF PRACTICE QUESTIONS?

Abby Lawson; Thomas Gillespie, MD; Creighton University School of Medicine

PS88: UTILIZATION OF ELECTRONIC EDUCATIONAL RESOURCES BY GENERAL SURGERY RESIDENTS DURING SELF-DIRECTED LEARNING

Riann B Robbins, MD¹; Rebecca Henry, PhD²; Brigitte Smith, MD¹; ¹University of Utah; ²Michigan State University

PS89: EFFICACY OF A BURN WOUND CARE LEARNING EXPERIENCE FOR FIRST YEAR RESIDENTS OF SURGICAL SPECIALTIES

Rodrigo A Rodriguez; Robel Beyene; Stephen Gondek; Vanderbilt University Medical Center

PS90: IMPACT OF MORTALITY AND MORBIDITY CONFERENCE AS AN EDUCATIONAL TOOL AND QUALITY IMPROVEMENT IN A NEWLY APPROVED SURGICAL RESIDENCY PROGRAM

Sahned Jaafar, MD; SuySen HungFong, MD; Subhasis Misra, MD, FACS; Brandon Regional Hospital

PS91: COMPARISON OF OPERATIVE TIME FOR REDUCTION MAMMOPLASTY: PHYSICIAN ASSISTANT VS RESIDENT FIRST ASSIST

Brandon Nuckles, MD; Jennifer Hall; Alexander McGeough; Amanda Young; Alicia Johns; Katelyn Young; Ciaran Fisher; Kevin Elwood; Joseph DeSantis, MD; Geisinger Health System

PS92: SINGLE ONLINE REFERENCE SIMPLIFIES SURGICAL RESIDENT EDUCATION

Ashlee Stutsrim; Maggie Bosley, MD; Clancy Clark, MD; Wake Forest Baptist Medical Center

PS93: FITTING IN TO FELLOWSHIP: THE NEW FRONTIER IN CAREER GUIDANCE FOR GENERAL SURGERY RESIDENTS

Ace J St John, MD¹; Natalia S Kubicki, MD²; Eric D Strauch, MD²; Sarah Kidd-Romero, BS¹; Stephen M Kavic, MD²;

¹University of Maryland Medical Center; ²University of Maryland School of Medicine

PS94: TEACHING ASSIST CASES: OPPORTUNITIES AND OBSTACLES

Alaina D Geary, MD, MSHPE¹; Hannah Buettner, MD²; Priyanka V Chugh, MD¹; Lindsay B Demers, PhD¹; Luise I Pernar, MD¹; ¹Boston Medical Center; ²University of Massachusetts Medical Center

PS95: EXPLORING A NOVEL PEDAGOGICAL FRAMEWORK IN THE SURGERY CLERKSHIP DURING THE COVID-19 PANDEMIC: A QUALITATIVE STUDY

Jose A Negrete Manriquez, Medical, Student^{1,2}; Shahrzad Bazargan, PhD¹; Sue J Nahm, MA, MPhil²; Christian de Virgilio, MD, FACS³; ¹Charles R. Drew University of Medicine and Science; ²David Geffen School of Medicine at UCLA; ³Harbor-UCLA Medical Center

PS96: RE-PLANNING YOUR SURGICAL CLERKSHIP DUE TO COVID-19? PRIORITIZE RESIDENT/STUDENT INTERACTIONS AND OPERATIVE EXPOSURE

Kristen L Schultz, MD; Mackenzie R Cook, MD; Oregon Health and Science University

PS97: ASSESSING KNOWLEDGE, PERCEPTIONS, AND PRACTICES TOWARDS COVID-19 BY THE GENERAL UNITED STATES POPULATION: AN IMMEDIATE AND CROSS-SECTIONAL SURVEY

Tasha Posid, MA, PhD¹; Dinah Diab, BS¹; Alicia Scimeca, BA¹; Grace Castelli, BS¹; Chintan Mehta, BS²; Cheryl T Lee, MD¹; Lily Kaufman, BS¹; John O DeLancey, MD, MPH¹; ¹The Ohio State University; ²Temple University School of Medicine



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