



ASSOCIATION FOR SURGICAL EDUCATION FOUNDATION

2022 Annual Report

Message from the President



Dear ASE Members and Supporters of the ASEF,

After two years of serving as the President of the ASE Foundation, the position will be transitioning to Dr. Amalia Cochran who has served the organization as the Vice President since April 2021. Serving in the position of President of the ASEF has been an honor for me. I am appreciative of the work of all the officers on the Executive Committee, the members of our Board, the tireless efforts of Lois Ehrlich, and most importantly, your generosity. We are all very proud of the mission of the Foundation which is simple: to maximize the number of educational grants provided through the CESERT Pyramid. Through the past few years, we have expanded our fundraising to include membership and industry, and we have worked more closely with the Association of Surgical Education. We have focused more clearly on our two goals of increasing funding for educational scholarship and building an endowment of \$1,000,000 to sustain the first mission.

So it is with humility, appreciation, and optimism that we transition the presidency of this very important organization. I will be serving the ASEF for the next few years as a member of the Executive Committee and look forward to working with each of you to increase the amount of fundraising and the volume of educational scholarship. Thank you as always for your dedication to surgical education and your generosity.

Mohsen Shabahang, MD, PhD, MAMSE
ASE Foundation President, 2021-2023

Dr. Debra DaRosa Career Development Scholarship Campaign



The ASE Foundation Deb DaRosa Career Development Scholarship will be awarded for the first time in 2024, just two years after the fundraising for this scholarship started. In 2021, a series of conversations began between Dr. Amalia Cochran and Dr. DaRosa with the goal of identifying a way to honor Dr. DaRosa's tremendous impact on surgical education. Dr. DaRosa was the first PhD President of the Association for Surgical Education and has fostered the careers of numerous surgical educators. Drs. Cochran and DaRosa realized that a career development scholarship would be most consistent with Deb's body of work as a mentor and supporter of surgical educators.

The DaRosa scholarship will be a funding resource for an ASE member who is an early-career surgical educator pursuing a course of study that will enhance their development in surgical education. Options for programs might include defraying the tuition for a limited-duration course, such as Surgeons as Educators, or helping cover tuition and fees for graduate work in education. The ASE Foundation is thrilled to have an endowed scholarship with this purpose to help advance the careers of ASE members!

Vision and Mission Statements

Vision: Advancing scholarship and innovation in surgical education.

Mission: Provide sustainable support for research and professional development programs of the Association for Surgical Education and its members.

2022 CESERT PYRAMID GRANTS

Thank you to Intuitive for Sponsoring two Giant Robot Grants!



The ASEF funded 13 surgical education research grants in 2022—all made possible by YOUR generous donations!

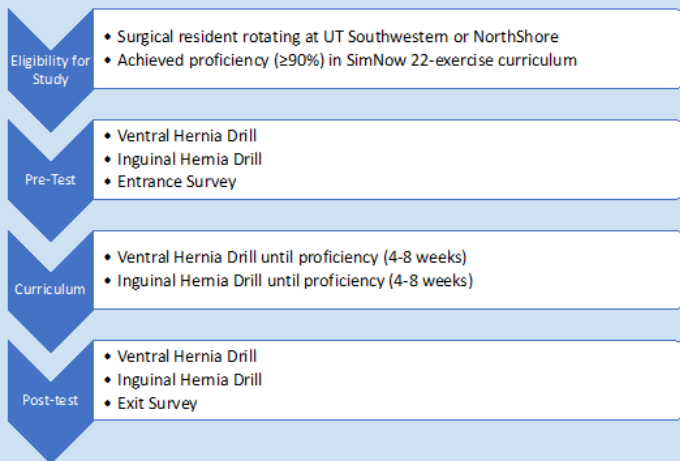
We are excited to share updates from some of our research teams below.

Giant Robot (\$25,000) Sponsored by Intuitive

Amr I. Al Abbas, M.D. and Ganesh Sankaranarayanan, Ph.D.
UT Southwestern Medical Center

"Our project involves the development of task-specific metrics for robotic inguinal hernia and uses these to provide task-specific feedback to trainees via a virtual platform. Our CESERT grant has provided the funding necessary to organize, edit, upload, and store bench-top model video, as well as research assistant fees and statistician fees. Our research will improve surgical education by facilitating task specific feedback for robotic inguinal hernia in a virtual manner to trainees from different programs across the country."

Study design:



Diamond (\$2,500)

Madhuri Nagaraj, MDMS and Caroline Park, MD, MPH
University of Texas Southwestern Medical Center

"This study uses a grounded theory approach to evaluate multidisciplinary surgeons' experience and description of occupational pain, treatment if sought, impact on lifestyle and work, and knowledge of operating room ergonomics."

Work-related injuries are common and ergonomics is slowly becoming a focus of preventative care, however there are very few established curricula and no clear understanding of how surgeons' recognize and respond to risk factors in the moment. Our study will provide actionable findings that can be used to develop ergonomics educational endeavors, establish cultural change and work towards preventative care. The CESERT grant has allowed us to purchase qualitative coding software for two of our coders, as well as additional funds towards transcription software and recruitment materials. Qualitative methodology requires detailed and painstaking analysis with multiple reviews and reviewers working in parallel. Coding software allows for the seamless sharing of information and storing of data to facilitate more thorough analysis."

Platinum \$10,000

Andrea J.H. Williamson, M.D. and Brigitte K. Smith, M.D., MHPE
University of Utah

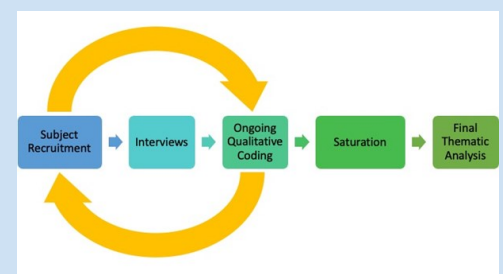
"This mixed-methods, multi-institutional study aims to evaluate the impact of one-on-one video-based coaching on technical skill development for surgical residents, and also investigates satisfaction and feasibility outcomes for residents and faculty engaging in this novel instructional technique."

Our CESERT grant has allowed us to train faculty coaches at multiple institutions through the Academy for Surgical Coaching, and has also allowed us to provide study materials (including recording equipment) to study participants. Coach recruitment, biostatistical support, and multiple aspects of day-to-day study logistics would not be possible without funding from the ASE Foundation."

We are hopeful that this research will elucidate the utility and feasibility of video-based coaching in the context of surgical training, and provide evidence to support the use of this learner-centered technique. This work will also guide the future of surgical coaching for trainees by informing the development of trainee-specific coaching frameworks."



Caption: Our multi-institutional study team, including resident and faculty representatives from five participating sites. Row 1: Andrea Williamson, MD; Brigitte Smith, MD, MHPE; Brian Mitzman, MD. Row 2: Douglas Smink, MD, MPH; Christine Wu, MD; Jonathan McKenzie, MD; Jacob Greenberg, MD, EdM. Row 3: Charudutt Paranjape, MD, MBBS; Robert Sinyard III, MD, MPH; David Cron, MD, MS; Gazi Rashid, MD; Frederick Godley, MD, MBA; Divyansh Agarwal, MD, PhD. Row 4: Muneera Kapadia, MD, MME; Taylor Carter, MD; Caprice Greenberg, MD, MPH.



Gold \$500

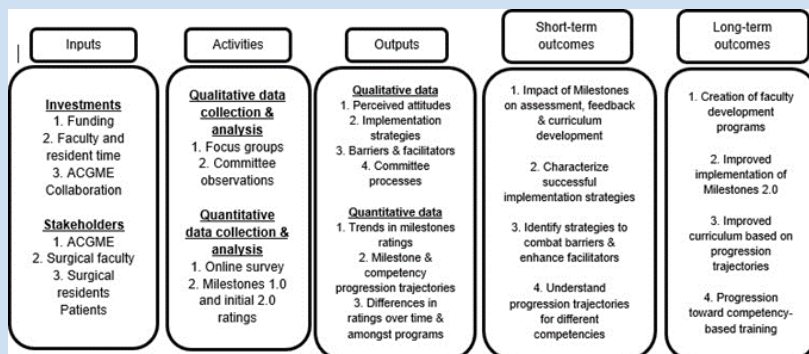
Alyssa Mazurek, M.D. and Roy Phitayakorn, M.D. MHPE FACS
Massachusetts General Hospital

This project aims to use a combination of quantitative and qualitative research methodology to better understand the existing ACGME Milestones 1.0 and 2.0 data within General Surgery as well as investigate the different implementation strategies and perceived attitudes toward the utility of the Milestones for assessment, feedback and curriculum development in a national sample of academic and community General Surgery residency programs.

The ASE Foundation funding helps our study team to incentivize participation, and purchase necessary statistical programs and technology to facilitate the qualitative aspects of the project.

Our research will change surgical education by providing a comprehensive understanding of the current national profile of Milestones data from both 1.0 and 2.0 systems and their different implementation strategies. Outcomes will include evidence-based and freely available, targeted faculty development resources that will optimize the understanding and utilization of the Milestones 2.0.

Figure: Logic Model for Evaluation of Milestones 1.0 and 2.0 program in General Surgery



We are thrilled to fund
\$70,000 in CESERT grants for 2023!

A special THANK YOU to Intuitive for again
supporting 2 Giant Robot Grants of \$25,000 each
and to
Surgical Science for sponsoring a
Diamond level grant in 2023.

We look forward to announcing the
2023 grant awardees at the
ASE Banquet in San Diego
on April 14, 2023!

Gold \$500

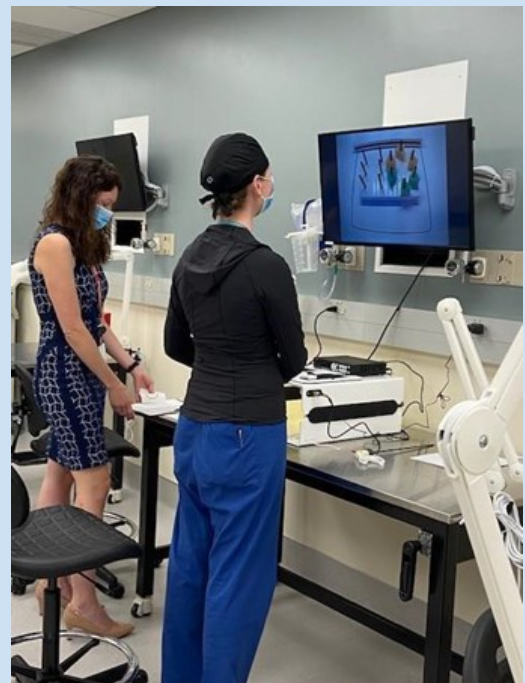
Paul DiMusto, M.D., Sarah Jung, Ph.D., Emma Houston, MSc,
and Gina Tranel, MS
UW Health/University of Wisconsin

The goal of our project is to analyze the differences in intern performance on a defined set of simulated surgical skills as well as the changes in their confidence between the beginning and end of the academic year when they participate in our Surgical Olympics.

Our CESERT grant has allowed us to perform statistical analysis of our data. The majority of the funding will be used for statistical support.

Our research analyzing the differences in performance will allow us to tailor our educational efforts in the simulation center and the OR to improve overall resident skills performance.

Photos of participants:



Gold \$500

Paschalia Mountziaris, M.D., Ph.D. and Patricia Lange, M.D.
Virginia Commonwealth University Health System

We are developing a novel surgical education simulation curriculum for breast reduction pre-operative assessment and surgical planning. Our research premise is that pre-operative planning is one of the key measures that affects the outcome of a breast reduction. While intraoperative technique is critical, the entire outcome is based largely off markings planned in the pre-operative setting. Pre-operative markings are one of the hardest things to teach and practice in a clinical setting. This is often limited by the additional stress to the patient that may occur if a trainee is to be involved in the pre-operative marking and planning.

Our CESERT grant has allowed our research team to complete one round of simulation training and to cover the costs associated with standardized patient and SIM center usage. Without funding from the ASE Foundation grant, we would not have had funds in order to develop a pilot program. The costs associated with sensitive exam standardized patients are significant and being able to have access to this resource has greatly augmented our development of this curriculum.

Allowing residents to engage in a simulated session in which they are able to demonstrate both the humanistic and technical skills required for a pre-operative visit will add to their progression in surgical education. This curriculum design may also allow for simulation training that progresses towards faculty allowance of real-world clinical experiences.



Members of VCU Division of Plastic Surgery:

Top Row Left to Right:

Leslie Coats, DNP; Annabel Baek, MD; Brooks Kelly, MD

Bottom Row Left to Right:

Emily Andersen, MD; Krista Aghazarian, PA;

Paschalia Mountziaris, MD PHD

Gold \$500

Gazi Rashid, M.D. and Denise Gee, M.D.
Massachusetts General Hospital

Through a cross-sectional survey of surgical and GI endoscopists, we are studying what factors motivate the referral of patients with colonic polyps and what are perceived barriers to potential educational interventions to address those barriers. The grant money has supplemented the salary of the research assistant and helped us purchase necessary software for our study, such as Stata, and sign up for valuable workshops.

Endoscopic cases comprise a considerable case volume for general surgeons - especially in rural communities. Understanding their continued educational needs will help us innovate new approaches.

Gold \$500

Geoffroy Noel, Ph.D.
UC San Diego School of Medicine

This study is collecting interoception measures such as physiological arousal, obtained during simulation, to further evaluate and influence medical students' compassion and empathy when working with body donors. Our CESERT grant has allowed our team to acquire gift cards to recruit 25 participants. Without incentive to participate, it would have been difficult to monitor the heart rate and skin conductance of trainees when faced with unshaven body donors from various ethnic backgrounds, for which personal information are given to the trainees during simulation.

By investigating how the presentation of the body donor affects surgical trainees' physiological responses to the cadaver, we hope to ultimately determine the optimal amount and content of body donors' personal information of body donors released to surgical trainees to stay connected with the persons laying in front of them during simulation.



Team members:

Top Row Left to Right:

James Doan, Stephanie Barajas, Thomas Spence,
Lipika Gangakhedkar and Geoffroy Noel;

Bottom Row Left to Right:

Catherine Shaw and Niveda Rao

Your support helps fund our grants for ASE Members

<https://www.surgicaleducation.com/yourdonation/>

Table 1: How Frequently Have These Reasons Influenced Your Decision to Refer Patients?

Reasons for Referral	Never, Rarely, or Sometimes (% who chose one of these)	Often or Always (% who chose one of these)
The polyp has malignant characteristics	26	74
Endoscopic resection of the polyp would require skills outside of my comfort level	49	51
Inadequate reimbursements for endoscopic resection	100	0

Dr. Debra DaRosa Career Development Scholarship Campaign



The purpose of the Dr. Debra DaRosa Career Development Scholarship is to subsidize an ASE member's participation in a course or program of study that will enhance their work as a surgical educator.

The campaign was launched in March 2022, with an initial 3-year fundraising goal of \$75,000 so that we can endow the scholarship permanently. We are excited to share that the initial goal of \$75,000 was reached in January 2023!

Thank you to our Donors for honoring Dr. Debra DaRosa with your support of this scholarship.

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Thank you to our 2022

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Platinum: \$5,000 and above

Mohsen Shabahang, M.D., Ph.D.

Silver: \$1,000 – \$2,499

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Alan Ladd, M.D.
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2022 Financials

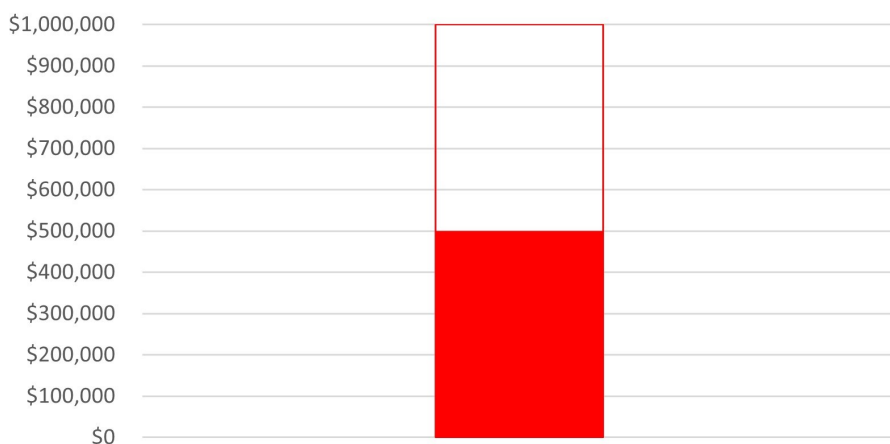
	12 MONTHS ENDED JUNE 30, 2022	6 MONTHS ENDED DECEMBER 31, 2022
CASH	183,076	222,491
INVESTMENTS	270,508	277,202
OTHER ASSETS (NET)	(1,710)	109
LAYCOCK FUND	50,698	50,698
DAROSA FUND	46,803	69,181
GENERAL FUND	401,176	449,105
TOTAL "CORPUS" BALANCE	451,874	499,803
REVENUE	126,794	96,287
EXPENSES	(79,110)	(55,052)
INVESTMENT INCOME	(22,179)	6,694
NET SURPLUS FOR PERIOD	25,504	47,929

Thank you to Intuitive for Sponsoring the Giant Robot Grants!

2022: \$50,000

INTUITIVE™

On Our Way to The First Million!



■ Corpus/Assets as of 12/31/22: \$499,803 □ First Million

Your donation funds our CESERT Pyramid grants
and campaigns for long-term sustainability!

Our grants support ASE members
surgical education research projects!

Please scan this QR code to visit the donation page on our website.



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**We look forward to announcing the
2023 CESERT Pyramid Grant awardees
at the ASE Banquet in San Diego on April 14, 2023!**

**Thank you for supporting us! The Foundation's leadership extends their thanks
and gratitude to all who have donated and supported our mission
to provide sustainable support for research and professional development programs.**

We invite you to be part of our success!

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