

2024

ANNUAL REPORT



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Harvey Premier

Normal #46

Home

Pulse Profiles

Connected

Autocalibration



ECG Monitor



25 mm/s

10 mm/mV

Heart Rate

60 bpm

Respiratory Rate

12 rpm

Blood Pressure

120/70 mmHg

Connection

Correlation

Teaching

Settings



S. Barry Issenberg, M.D.
Director

Director's Message

Dear Friends of the Gordon Center,

As we look back on 2024, the Gordon Center stands out for its remarkable achievements. This year was marked by intense dedication as we launched innovative curricula, new collaborations, and pioneering programs. Many of these initiatives debuted in 2024, with more set to make their introduction to our partners and the broader community in 2025.

In this report, you will discover the strides we've made with our Advanced Stroke Life Support (ASLS®) Blended Learning course, co-developed with the American Heart Association. Over the past year, ASLS has significantly broadened its footprint, extending its reach to more cities across the U.S. and numerous countries worldwide. Moreover, in collaboration with the AHA and Laerdal Medical, we have developed a new course, Essential Stroke Life Support (ESLS®), which launched in February 2025. ESLS is tailored specifically for EMTs, nurses in settings such as nursing homes where stroke risk is prevalent, and other healthcare professionals working outside traditional prehospital and hospital environments.

You will also learn about the launch of a new generation of the cardiopulmonary patient simulator, Harvey® Premier. This latest version maintains the renowned quality of Harvey while reducing both its weight and cost significantly. Major enhancements in features and reductions in manufacturing costs have made Harvey Premier more affordable and accessible than ever. It was introduced to the public at the International Meeting on Simulation in Healthcare (IMSH) in Orlando in January 2025.

Lastly, we have established a new regional training hub in Tallahassee dedicated to training law enforcement and EMS





personnel on the medical care of victims in active-shooter situations. In this unique program modeled on training by the US Army, law enforcement officers learn to provide immediate care to wounded victims, thereby increasing the chances of survival and recovery.

On a personal note, 2024 marked a significant milestone in my career as I assumed the presidency of the Society for Simulation in Healthcare (SSH). During this transformative year, the SSH began implementing a comprehensive 5-year strategic plan alongside a detailed business plan. In my capacity as president, I dedicated my efforts to advancing the Society's key strategic areas—education and learning, credentialing, research and innovation, advocacy, and organizational sustainability and growth. Although my term concluded in January 2025, I am committed to continuing my involvement with the SSH, particularly in my new role as immediate past president and ambassador.

I hope learning about our achievements, advances, collaborations, and other highlights in this report will be as rewarding for you as it was for us to compile them. I extend my gratitude to our readers, the champions of our Center, and our collaborators and partners who supported us throughout 2024. The successes detailed in this annual report could not have been realized without your invaluable support.

Best wishes,

Barry Issenberg

Director of the Gordon Center for Simulation and Innovation in Medical Education

Michael S. Gordon Endowed Chair of Medical Education and Professor of Medicine



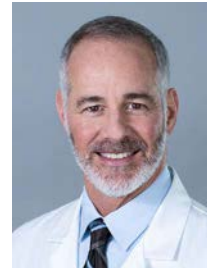
Our Faculty & Leaders



S. Barry Issenberg, MD
Center Director



Ivette Motola, MD, MPH
Director of Prehospital and
Emergency Training Division



Ross J. Scalese, MD
Director of Educational
Technology Development



Joseph B. Esterson, MD
Director of Cardiology Training
Programs



Asit Misra, MD, MEd
Assistant Director of Prehospital
and Emergency Training Division



Vivian Obeso, MD
Senior Director of Clinical Skills
and Competency Assessment



Al Brotons, EMT-P
Associate Director of Operations
and Instructor Development



Jeffrey Groom, PhD
Simulation Educator



Samantha Syms, MS, CHSE
Director of Standardized Patient
Program

Our Impact



2,500

Worldwide
agencies trained



810

Florida institutions
trust our curricula



67

Serving all 67
counties in
Florida



22,000

First responders and
front line personnel
trained in 2024



56

Countries use our
programs



100%

Florida colleges
and universities
have used our
programs

Gordon Center Director Barry Issenberg Served as President of Society for Simulation in Healthcare in 2024



- Largest healthcare simulation society in the world.
- Global community of practice, enhancing quality healthcare.
- SSH members include physicians, nurses, allied health and paramedical personnel, researchers, educators, and technology developers from around the globe.



After serving in various roles within the Society for Simulation in Healthcare (SSH) for more than 20 years, Gordon Center Director Barry Issenberg, M.D., became president-elect of SSH in 2023. In January 2024, he assumed the position of president. In this role, Dr. Issenberg led the SSH toward its goal of expanding the use of simulation across the globe. One of his objectives has also been to integrate simulation more seamlessly into health professions education, so that learners have greater access to the technology.

"We need to examine how simulation centers can better serve the academic missions of health professions schools and hospitals," he said. "How do we get out of our 'silo' and become more integrated within the health system? That's when simulation will have a greater potential to make a wide-scale impact on patient care."

Given today's global challenges, the SSH strives to address longstanding issues, especially in enhancing patient safety and healthcare quality through simulation. This requires partnering with healthcare academia, as well as strategic collaborations with national and international governmental and industry entities that are dedicated to delivering safe and high-quality healthcare. As president of the Society, Dr. Issenberg has been fostering these relationships to position the SSH as an important partner to solve global healthcare challenges, thereby delivering a real impact on society.

"By collaborating with organizations across our industry, the SSH needs to help address the complex challenges of patient safety and healthcare quality head-on," said Dr. Issenberg. "We do this by advancing research, promoting innovation, and supporting the professional development of our members."

Under Dr. Issenberg's leadership, SSH has embarked on the implementation of a 5-year strategic plan and a companion business plan. The Society has identified five key pillars to focus on in the coming years. The first pillar is advocacy, encompassing the promotion of strategic partnerships at the nexus of education, technology, and healthcare. The second pillar, education and training, emphasizes the development of more effective and efficient systems for educational and training purposes. The third pillar is credentialing, involving the formal accreditation of simulation centers and the



certification of individuals specializing in simulation education or operations. The fourth pillar focuses on research and innovation, aiming to advance the field of simulation. Lastly, the SSH will concentrate on bolstering its own infrastructure, thereby reinforcing support for the other four areas.

“In my role as president, I see myself as an advocate and champion for the cause of simulation. I am committed to supporting the Society in the key areas of education, assessment, research, and health system integration,” said Dr. Issenberg.

Recognizing the transformative role of simulation in addressing current challenges in healthcare education, SSH advocates for advancements in simulation technology, educational methodologies, practitioner assessment, and patient safety. These enhancements not only promote better patient care but also improve patient outcomes.

“It has been an honor to be president of the Society since January 2024, and I look forward to continuing to spread the word about the importance of simulation in healthcare education,” added Dr. Issenberg. “When my term as president ends in 2025, my role as past-president will be to serve as an ambassador for the Society, with the goal of forming strong partnerships with other organizations dedicated to improving healthcare through simulation.”

As an organization, the SSH seeks to improve performance and reduce errors in patient care through the use of simulation. The Society was established in 2004 by professionals using simulation for healthcare education, assessment, and research. SSH members include physicians, nurses, allied health and paramedical personnel, researchers, educators, and technology developers from around the globe. The Society also fosters the improvement and application of simulation-based modalities such as human patient simulators, virtual reality, standardized patients, and task trainers.

“SSH has been central to my career,” Dr. Issenberg said. “My aim has been to leverage my experiences at the Gordon Center to benefit and enrich the SSH community, reflecting my commitment to give back and support the Society’s growth.”



Dr. Issenberg reflects on the incredible strides made within the simulation community under his leadership. Scan the QR Code to watch the video.

The New Harvey® Premier

Harvey®, the cardiopulmonary patient simulator, has been utilized by health professions students, educators, and practitioners worldwide for more than 50 years. Introduced in 1968 by the late Dr. Michael S. Gordon, this full-sized patient simulator was one of the first computer-enhanced mannequins developed for the training of healthcare professionals. Over the years, Harvey has been upgraded with a range of advanced and diverse cardiac conditions. It has transformed from a large and bulky mechanical simulator to a more portable, all-digital mannequin. The simulator was named after W. Proctor Harvey, a renowned cardiologist at Georgetown University and mentor to Dr. Gordon.

Coming later in 2025, Harvey Premier represents a brand-new iteration of the renowned mannequin. This updated version maintains the high quality associated with Harvey, but at half the weight and a significantly reduced cost. Major enhancements in features, along with reduced manufacturing costs, make Harvey Premier more affordable and accessible than ever before. It was first unveiled at the International Meeting on Simulation in Healthcare in Orlando in January 2025.



Features of the new Harvey Premier:

- ◆ More lightweight and portable, ideal for various learning environments
- ◆ Controlled through a new app that allows for remote teaching capabilities, diagnostics, and software updates
- ◆ Supports small group learning with personal wireless listening devices
- ◆ Provides a library of scenarios designed for OSCE use
- ◆ Accompanied by a comprehensive curriculum, consisting of 50 patient scenarios
- ◆ Expanded cardiac auscultatory and pulmonary auscultatory areas
- ◆ Has hundreds of unique heart sounds and murmurs at multiple rates
- ◆ Allows for the adjustment of all pulse amplitudes

Harvey sets itself apart from other simulators by realistically simulating cardiac and pulmonary conditions at the touch of a button. It varies blood pressure, pulses, heart sounds, murmurs, and breath sounds to provide a comprehensive training tool. Used by educators in more than 50 countries, Harvey trains a wide range of healthcare providers – from medical, nursing, and physician assistant students to postgraduate trainees and practicing professionals across multiple disciplines. Harvey is the longest continuous university-based simulation project in health professions education, unmatched in its detailed and authentic presentation of cardiac bedside findings.

Originally there were three prototype Harvey mannequins, each designed to simulate a single disease. Since then, Harvey has evolved to the point where one mannequin can simulate multiple diseases. It is portable, enabling educators and learners to use the simulator in virtually any environment where real patients are examined. Harvey is also commonly used in simulation centers and clinical skills or standardized patient training areas.

Teaching sessions with Harvey are adaptable to multiple learning strategies. For example, instructors can effectively lead traditional, large-group sessions using Harvey complemented by a sound transmission system for auscultation and video projection for demonstrating other physical findings. Alternatively, small groups can learn independently using audio stethophones for simultaneous auscultation, guided by the Harvey curriculum programs or the UMedic e-learning system. While Harvey can function as a self-learning device, the nearby presence and availability of knowledgeable faculty and staff will further enhance its success.

Looking ahead, Harvey will become even more sophisticated by incorporating emerging digital technologies. As artificial intelligence and virtual and augmented reality become more accessible for healthcare simulation applications, we envision future iterations of Harvey that will leverage these advancements to enhance the authenticity and realism of the simulations.



Global Expansion of Advanced Stroke Life Support (ASLS®) and Launch of Essential Stroke Life Support (ESLS®)

In 2022, the Gordon Center successfully launched the Advanced Stroke Life Support (ASLS) Blended Learning course in partnership with the American Heart Association (AHA). In 2023, the program expanded internationally, and since then more training centers and hundreds of instructors have been onboarded and trained. The goal of the ASLS course is to provide comprehensive and advanced training on stroke recognition and management to healthcare professionals. This facilitates timely and effective patient care worldwide, and ultimately helps mitigate the global health burden of stroke.

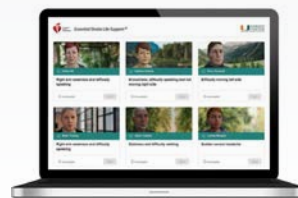
A new version of the course, called Essential Stroke Life Support (ESLS), was developed in 2024 and launched in February 2025. The course targets EMTs and nurses, as well as healthcare professionals in environments, such as nursing homes and home care, where patients are at risk for stroke. ESLS is an innovative, adaptive program that allows for individualized learning and incorporates online patient simulations. It is focused on stroke detection and the first few minutes of acute care, and is not as comprehensive as ASLS.

“Our goal with both the ASLS and ESLS courses is to ensure that prehospital and hospital-based healthcare professionals, as well as those confronted with stroke outside of the healthcare setting, are proficient in stroke recognition and management,” said Ivette Motola, M.D., MPH, director of the prehospital and emergency training division at the Gordon Center. “We hope that leads to prompt and effective care that reduces stroke mortality and disability, regardless of geographical location.”

The launch of the international roll-out of the ASLS course took place in May 2023 in Dubai, United Arab Emirates. Since then, even more training centers have been accredited across the globe, including in India, Jordan, Saudi Arabia, Mexico, Germany, and beyond (see highlights on the next page).

In addition, the effectiveness and impact of the ASLS course were presented at international conferences by Gordon Center and AHA experts, including the Society of Academic Emergency Medicine (SAEM) Annual Meeting in the U.S., the Terzo Congresso Nazionale Emergenza Urgenza in Italy, as well as the MENA Stroke Conference in Saudi Arabia.

The Gordon Center's stroke program has been expanded to include those healthcare professionals who are with the patient closer to the moment a stroke happens, such as providers in nursing homes.



South Africa

The Gordon Center's revolutionary Advanced Stroke Life Support (ASLS®) Blended Learning instructor training continues to expand around the world-- this time to South Africa!

Together with the American Heart Association, the Gordon Center's Dr. Ivette Motola trained and equipped healthcare professionals in stroke education to save more lives.

We are incredibly proud to see the ASLS® Blended Learning program continue to grow globally and the enthusiasm of the healthcare professionals to learn these critical lifesaving skills.



Italy



Our gold standard Advanced Stroke Life Support (ASLS®) Blended Learning course saves lives by teaching the skills necessary to identify and treat patients with stroke.

This course is appropriate for all healthcare providers involved in the management of acute stroke patients.

Join us for a behind-the-scenes journey through the development of ASLS® Blended Learning, in collaboration with the American Heart Association.

Hong Kong

Advanced Stroke Life Support (ASLS®) Blended Learning has expanded to Hong Kong!

In partnership with American Heart Association, our Dr. Ross Scalese conducted an ASLS® instructor and provider training, preparing this region's healthcare professionals to identify, evaluate and manage patients with stroke. The training produced the first group of instructors in Hong Kong and the Asia-Pacific region who will continue to raise the standard, quality and safety for stroke care.



First Regional Hub for Active Shooter Hostile Events Response



Supported by funding from the Florida Department of Education, the Gordon Center inaugurated a new regional training hub near Tallahassee at the Florida Public Safety Institute in 2024. This hub is dedicated to providing innovative, collaborative active shooter response training to law enforcement teams. Central to this initiative is a groundbreaking curriculum that integrates basic medical training with traditional active shooter response tactics for law enforcement officers.

"In active-shooting situations, we cannot rely on paramedics alone to provide initial medical care to wounded victims," said Al Brotons, director of training operations at the Gordon Center. "People can bleed out in minutes, so law enforcement also needs to be able to provide critical, initial care, since they are usually the first to arrive on the scene."



This new curriculum, developed at the Gordon Center with invaluable insights from the U.S. Army Trauma Training Course, leverages the Army's extensive experience in handling battlefield injuries, from point-of-care treatment to surgery. "We brought them in to help us create this course, because who knows better than they do?," added Brotons.

Over the past few years, the approach to responding to active-shooting incidents has evolved, particularly concerning the role of medical first responders. Historically, paramedics would wait in designated safe zones until law enforcement confirmed that it was secure for medical teams to enter and attend to victims. Today, the curriculum developed by the Gordon Center trains medical personnel to safely enter areas alongside law enforcement where the shooter is confirmed absent. Additionally, law enforcement personnel is trained in life-saving techniques, such as tourniquet placement. This advancement facilitates faster, potentially lifesaving treatment for victims, significantly improving the chances of survival in critical moments.

The training offered at the new regional training hub in the Tallahassee area is structured around a three-tiered series of increasingly complex active shooter exercises, featuring real people playing roles as shooters and victims. The initial scenario is straightforward, involving a single room with a few victims. The complexity escalates in the second scenario, which includes multiple rooms and victims, presenting greater challenges in communication and coordination. The third and final scenario amplifies the chaos and uncertainty, encompassing an entire building, requiring trainees to manage a significantly larger and more dynamic environment.

"In real life, coordinating different teams in an active-shooter situation is challenging," said Brotons. "The teams usually operate under different commands and procedures. But ultimately, they need to come together beforehand and agree on roles and responsibilities. Our new curriculum at the training hub in Tallahassee focuses on the critical components of communication and coordination."

The Florida Public Safety Institute is the first facility to become a regional hub for this active-shooter training.

Featured on WCTV.tv and in the *Tallahassee Democrat*, the Gordon Center's innovative approach disrupts traditional protocol by embedding fire rescue personnel within law enforcement teams, allowing them to enter the scene while it's still considered "hot" or potentially dangerous. Executed in partnership with the Florida Department of Education, this training has enabled us to provide programs free of charge to municipal governments, law enforcement agencies, and fire rescue services throughout the state.





Read more about the Gordon Center's training approach that disrupts traditional protocols in this issue of UM Magazine:



The Florida Public Safety Institute in Tallahassee, FL, with the assistance of the Gordon Center team, conducted an Active Shooter Hostile Events (ASHE) training at the Gulf Coast State College Emergency Operations Center, for personnel from Bay District Schools Police, Florida Highway Patrol, Walton County Sheriff's Office, Florida State University Police, and more.

The Gordon Center's innovative ASHE training, supported by the Florida Department of Education, focuses on inter-agency collaboration and rapid medical action to save lives in the event of a mass shooting crisis.

"Regardless of department, every officer should be able to help a victim," said Robert DiFerdinando, senior faculty instructor at the Gordon Center.

A heartfelt thank you to WJHG-TV reporter **Isabella Benjumea**, a survivor of the tragedy seven years ago at Marjory Stoneman Douglas High School, for sharing this important story.





Research Highlights at the Gordon Center

Over the past year, faculty and staff at the Gordon Center have conducted numerous research projects that resulted in several scientific publications. Their research has focused on the evaluation of simulation training and health professional education.

Dr. S. Barry Issenberg was the senior author of an article that was simultaneously published in the four leading healthcare simulation journals including *Simulation in Healthcare*. This paper provided a global consensus statement on simulation-based practice in healthcare, detailing principles to standardize and enhance its use. It also outlined simulation's role in improving clinical skills, patient safety, and teamwork while promoting best practices across diverse healthcare education and training settings worldwide.



An article in *Simulation in Healthcare*, co-authored by Dr. Ivette Motola, outlines guidelines for distance simulation educator training in healthcare, addressing the growing need for remote learning solutions. The article provides best practices for curriculum design, technology use, and learner engagement, aiming to standardize and improve remote simulation education while ensuring quality, accessibility, and alignment with evolving healthcare education demands.

A study, co-led by Dr. S. Barry Issenberg, published in the journal *BMC Medical Education*, examines transdisciplinary M.D./Master's dual-degree programs at U.S. medical schools, highlighting their growth and alignment with evolving healthcare needs. It identifies common disciplines, structures, and outcomes, emphasizing these programs' potential to enhance physician leadership, innovation, and interdisciplinary collaboration, ultimately addressing complex medical and societal challenges.



Another study by Dr. Issenberg, published in *Medical Teacher*, explores the cost effectiveness and impact of high-quality medical education on healthcare outcomes. It demonstrates how evidence-based educational strategies, such as simulation and competency-based learning, enhance clinical skills, patient safety, and system efficiency, providing significant return on investment and supporting sustainable improvements in healthcare quality.

An article in the *International Journal of Healthcare Simulation*, co-authored by Dr. Issenberg and Ms. Samantha Syms, explores the use of simulation to facilitate faculty-led discussions on bias and microaggressions in healthcare. It highlights how simulated inclusive dialogues improve faculty awareness, communication skills, and confidence in addressing sensitive topics, fostering a more inclusive and equitable learning environment in health professions education.

A study, co-authored by Dr. Motola, Dr. Misra, Ms. Syms, and Mr. Brotons and presented at the 2025 International Meeting on Simulation in Healthcare, investigated the impact of facial recognition technology in prehospital care. It evaluated its effectiveness in improving patient identification, decision-making, and operational efficiency, offering insights into the technology's potential to enhance outcomes and streamline processes in emergency medical settings.

Lastly, a study Dr. Issenberg and others published in the *International Journal of Medical Informatics* evaluates a quality improvement (QI) curriculum in graduate medical education, showing it significantly enhances trainees' knowledge and engagement in impactful QI projects. The findings highlight the curriculum's effectiveness in preparing medical trainees to contribute meaningfully to healthcare improvement initiatives and system-level change.

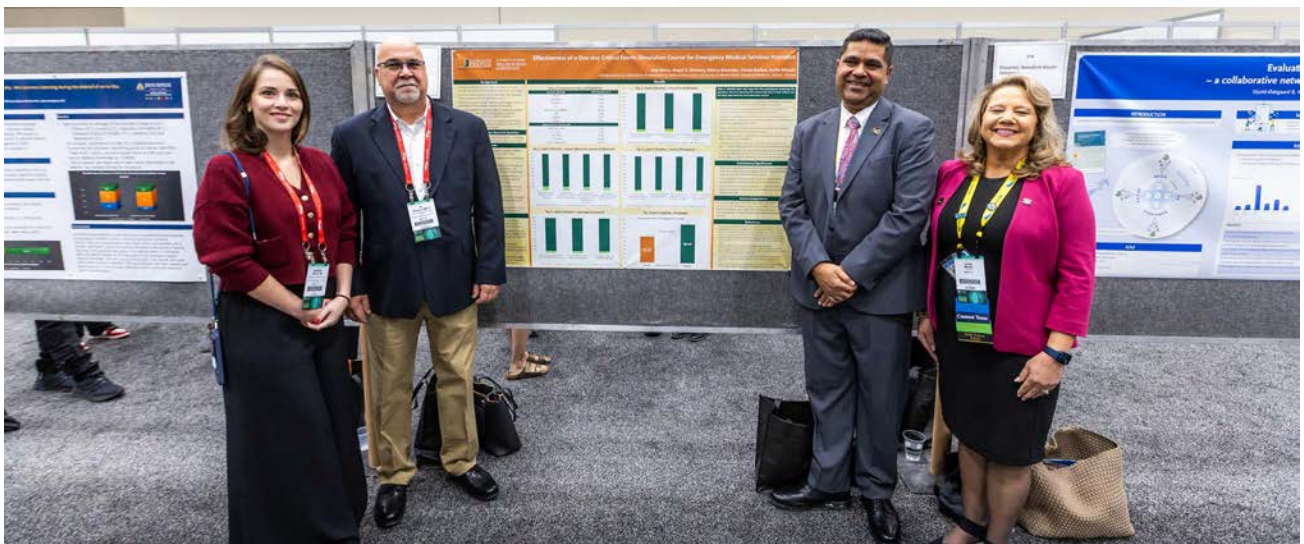
Happenings at the Gordon Center



◆ 2025 International Meeting on Simulation in Healthcare

The Gordon Center attended the Society for Simulation in Healthcare's (SSH) International Meeting on Simulation in Healthcare (IMSH)

where top minds in healthcare simulation united to unveil the latest innovations and share best practices. From the inception of the IMSH, the Gordon Center has been at the forefront and Director Dr. Barry Issenberg served the leadership role as President of the SSH. In addition, Gordon Center faculty shared their expertise and knowledge during several presentations throughout the conference.



◆ UHealth/Jackson Training

A group of healthcare professionals from University of Miami Health System and Jackson Health System completed an immersive iSIM course that uses hands-on activities to learn techniques for delivering simulation-based healthcare education. They'll apply their learning to develop real-world clinical simulation scenarios. Just another way our Gordon Center team saves lives through simulation and education.



◆ Stroke Care Webinar

Dr. Ivette Motola and American Heart Association's Ms. Marida Straccia led a transformative session exploring innovative stroke care strategies. Together, we can improve stroke outcomes globally!



◆ Gordon Center Simulation Fellow

Dr. Samia Barbar, distinguished pediatric cardiologist from the Heart Institute in São Paulo, Brazil, has joined us for a second year-long Simulation Education and Research Fellowship.

She has already showcased her expertise by actively contributing to the Gordon Center's Pediatric Advanced Life Support courses. During her fellowship, she aims to enhance her skills as a simulation instructor and educational researcher.



◆ Congrats to Our Sim Tech

Congratulations to Gordon Center Simulation Operations Specialist, Catalina Gonzalez, for becoming a member of Miami Dade Fire Rescue.

Miami-Dade Fire Rescue welcomed their newest probationary firefighters, 34 members of Recruit Class 153, who received their badges during a recent ceremony.

The graduates have since reported to their duty assignments and we wish her and all the new members the best of luck.



◆ Healthcare Hispanic Leadership Award

Dr. Motola received the Healthcare Hispanic Leadership Award by South Florida Hispanic Chamber of Commerce with her family and many colleagues and friends in attendance.



Serving as the Gordon Center's Director of Prehospital and Emergency Training Division and Center Assistant Director, her leadership and enthusiasm for simulation education and training of others to save lives are inspiring to so many. Congratulations on this very well-deserved recognition!

◆ eMerge Americas

The Gordon Center proudly joined the University of Miami and University of Miami Health System at this year's eMerge Americas, sharing Harvey with everyone.



The Gordon Center team from the University of Miami Miller School of Medicine provided a behind-the-scenes glimpse into Harvey. With the ability to simulate over 50 cardiac diseases at the touch of a button, Harvey is revolutionizing medical education.



◆ Meet Our Nurses & Educators

During Nurses Week, we recognized Gordon Center nurses and simulation educators.

"The Gordon Center has a long tradition and history of training nurses and providing them the skills and tools they need so they feel ready and supported," said Dr. Ivette Motola.



◆ Army Trauma Training Detachment

The partnership between the Gordon Center and the U.S. military is highly synergistic. The military learns about simulation and training while the Gordon Center benefits from the military's experience with traumatic injuries. Watch how the military has influenced training for EMS at the Gordon Center.



◆ Competition Elevates Skill Sets

First-responder competitions don't just help those who directly participate in them; they also benefit the larger team as lessons learned are shared and implemented.



Watch now how competition elevates the skill sets and care of EMS providers.



◆ Lowering Barriers to Quality Stroke Education

The Gordon Center's stroke education program is available digitally so that even those in remote locations only need a computer or tablet to participate in the courses. Learn more about how the Gordon Center is lowering barriers to quality stroke education.



◆ Telemedicine in Fire Rescue Trucks

The Gordon Center has been working with fire departments to use telemedicine to ensure that stroke patients are transported to appropriate stroke centers more quickly. Take a look.



◆ Acute Stroke at First There First Care

Another capacity crowd from the first responder community joined Gordon Center experts for a training session on acute stroke, part of the First There First Care Conference schedule of workshops. The workshop included both didactics and hands-on exercises with feedback, and it provided participants with tools to identify, evaluate and manage patients with stroke. This training allows patients the best chance of survival and really makes an impact on their lives.



◆ First There First Care Conference

This past summer, the Gordon Center conducted learner training sessions on acute stroke management and point-of-care ultrasound, drawing enthusiastic attendees from the first responder community. We look forward to participating at the First There First Care Conference in 2025.



Come behind the scenes with the Gordon Center and see our on-site experience alongside some of South Florida's finest first responders:



◆ Point of Care Ultrasound

A capacity crowd from the fire rescue community joined leaders from the Gordon Center for the EMS Point-of-Care Ultrasound (POCUS) course, which was featured as part of the workshop schedule at the First There First Care Conference.

POCUS plays a critical role in emergency medical services by allowing first responders to rapidly diagnose and treat life-threatening injuries with new portable, wireless ultrasound technology before patients reach the emergency department.



◆ Artificial Intelligence in Healthcare Simulation

University of Miami Medicine Magazine featured an insightful article about the role of artificial intelligence in healthcare simulation.



The article discussed the benefits and challenges with implementation of AI and ways that faculty at the Gordon Center are leveraging these new technologies to improve education and healthcare.

◆ SimZine Chat

Dr. Barry Issenberg spoke to SimZine about trends in healthcare simulation, as well as his vision for the future as President of the Society for Simulation in Healthcare.



SimZine is an Italian magazine edited by Pier Luigi Ingrassia, President of the European Simulation Society.

◆ Global Consensus Statement

The Society for Simulation in Healthcare (SSH) achieved a significant milestone for the international healthcare simulation community by sharing a Global Consensus Statement describing the value, challenges, and ethical considerations surrounding healthcare simulation. Dr. Barry Issenberg served as senior author.

The consensus statement, crafted with input from colleagues representing 67 countries and facilitated by the SSH and the European Simulation Society (SESAM), represents a strong collaborative effort to promote healthcare simulation and patient safety.



◆ Dr. Motola Promotion

Congratulations to Dr. Ivette Motola on her promotion to Professor of Surgery in the Division of Emergency Medicine at the University of Miami Miller School of Medicine.

Dr. Motola serves as the Gordon Center's Director of Prehospital and Emergency Training Division and Center Assistant Director. She is an expert in simulation education and prehospital and emergency medicine and leads the development of innovative training programs for thousands of healthcare professionals around the world. Her collaboration with the American Heart Association on the Advanced Stroke Life Support Blended Learning course continues to set a standard of excellence in stroke care education.

We are incredibly proud of Dr. Motola for achieving this outstanding milestone!

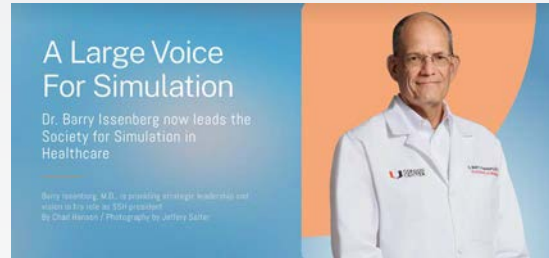
Meet Dr. Motola and hear more about her path to advance excellence through simulation education around the globe.



◆ Miller School NextGenMD

The Gordon Center welcomed the University of Miami Miller School of Medicine class of 2028!

Our center trains hundreds of medical students annually as part of the NextGenMD curriculum including our hands-on training and assessments as a critical component of their learning.



◆ A Large Voice for Simulation

Dr. Barry Issenberg provided strategic leadership and vision in his role as Society for Simulation in Healthcare (SSH) president this past year. SSH serves as a global community of practice enhancing the quality of healthcare.

Read more about the goals of his presidency and how he confronted the challenges facing healthcare simulation in this issue of University of Miami magazine.



◆ U.S. Army Partnership

For more than 20 years, the Gordon Center has worked with the United States Army developing and implementing life-saving training that has had a dramatic impact in saving lives on the battlefield.

In the Army's longest-running civilian partnership, the Gordon Center has served as a center for pre-deployment training of Army Forward Resuscitative Surgical Teams, giving military healthcare professionals the clinical expertise they require to help save lives.





◆ Rapid Response Team Training

Our Rapid Response Team (RRT) training course helps providers to master the fundamentals of teamwork, prioritizing cooperation and communication by using team-focused training to improve patient safety. A combination of didactics, high-fidelity simulations, and group debriefings, the Gordon Center's RRT training is an effective and highly immersive blended learning course.



◆ World Stroke Day

On World Stroke Day, Gordon Center faculty and staff took a step toward raising awareness about stroke prevention and care with a walk around campus. Stroke is a leading cause of disability and death, yet up to 80% of strokes may be prevented with proper care and education.

Walking improves cardiovascular health, helping to reduce stroke risk. Let us work together to reduce the impact of stroke through education, prevention, and advanced care.



◆ Physician Assistant Education Association

The Gordon Center attended the annual Physician Assistant Education Association (PAEA) Forum in Washington, DC, engaging with physician assistant educators and sharing recent major developments with Harvey Premier, our latest cardiopulmonary patient simulator.

This forum provided an opportunity to explore advancements in medical education and discuss the role of simulation in enhancing training and patient outcomes. We look forward to continuing to drive innovation in healthcare education.



◆ Dr. Issenberg Inducted into Iron Arrow

We were overjoyed to announce the induction of Dr. Barry Issenberg into the Iron Arrow Honor Society at the University of Miami. This prestigious recognition represents the highest honor attainable at the university and highlights Barry's exceptional contributions to the U and the greater academic community.

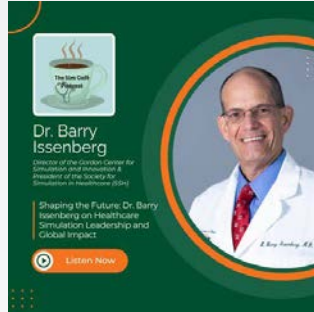


Barry's induction reflects his embodiment of the society's core values—Scholarship, Leadership, Character, Love of Alma Mater, and Humility—qualities we have witnessed firsthand through his

unwavering dedication to the Gordon Center and its mission. We congratulate Dr. Issenberg on this incredible honor

◆ Sim Cafe Podcast

What sparks a lifelong passion for healthcare simulation at just 14 years old? Find out as Dr. Barry Issenberg shares his remarkable journey on The Sim Cafe podcast.



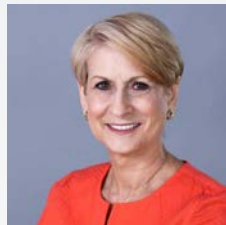
In this episode, Dr. Issenberg reveals his strategic vision for the future of healthcare simulation, including the launch of the Society for Simulation in Healthcare's (SSH) ASCEND program. It is designed to mentor the next generation of simulation leaders. He also explores the SSH's global initiatives, partnerships, and the exciting advancements in accreditation and certification that are shaping the future of healthcare education.

Tune in for a powerful conversation about innovation, leadership, and healthcare simulation.



◆ Jill Hershbein Retires

Jill Hershbein retired after almost 30 years at the Gordon Center, where her contributions have significantly shaped our programs.



Ms. Hershbein played a key role in leading the administration of Prehospital and Emergency Training (PET) and Advanced Stroke Life Support (ASLS) initiatives, providing vital education to healthcare professionals across the country and the globe. Jill's leadership in the dissemination of the ASLS program, now recognized by the American Heart Association, highlights her dedication to advancing healthcare education.

We applaud her invaluable impact on the Gordon Center and the community. Thank you, Jill, for your many years of commitment to excellence.

◆ Congratulations Dr. Motola

We congratulate Dr. Ivette Motola for being honored with the DeWitt Daughtry

Family Department of Surgery - UHealth Goal

Achievement MVP Faculty Award. This award recognizes her dedication, exceptional service, and the positive impact she has made within the Department of Surgery and in advancing the educational mission of the Miller School of Medicine. Dr. Motola's hard work and commitment continue to set a high standard and inspire those around her. We're proud to see her achievements recognized in this meaningful way.



◆ Simulation User Network Conference

The Gordon Center attended the Simulation User Network (SUN) Conference, hosted by Laerdal Medical USA. Dr. Barry Issenberg delivered an inspiring keynote, discussing the important role of simulation in supporting competency-based education that has become the standard in health professions education.

Catch a recap of this impactful event and see how leaders in healthcare simulation are shaping the future.



◆ Miami-Dade Fire Rescue EMS Symposium

We are proud to have been part of the Miami-Dade Fire Rescue (MDFR) 2024 EMS Symposium, where we had the privilege of partnering with MDRF to deliver impactful training sessions.

The Gordon Center hosted a hands-on workshop led by Dr. Ivette Motola on the growing role of point-of-care ultrasound in EMS, equipping participants with essential skills for trauma diagnosis and management. Additionally, Dr. Samia Barbar facilitated an engaging session on managing common pediatric emergencies, focusing on critical care techniques to enhance outcomes for young patients. A special thanks to Dr. Ian Fowler from the Army Trauma Training Course for joining us and sharing his expertise. Together, we continue advancing excellence in prehospital care.



◆ American College of Rheumatology Conference

At the American College of Rheumatology (ACR) Annual Convergence in Washington, D.C., attended by over 10,000 participants, Dr. Asit Misra, Assistant Director of the Gordon Center's Prehospital and Emergency Training Division, delivered a presentation on the transformative role of artificial intelligence in medical education and simulation.

Dr. Misra's presentation explored how AI-driven technologies are revolutionizing the training of medical professionals by providing more personalized, efficient, and realistic simulation experiences. He highlighted the latest advancements in AI-based educational tools and addressed both the opportunities and challenges of integrating AI into health professions education.

We are proud to see Dr. Misra representing the Gordon Center and advancing the conversation on innovation in medical education.



◆ Excellence in Healthcare Awards

Congratulations to Dr. Ivette Motola!

Dr. Motola was the recipient of the prestigious Guts and Grit Award at the Greater Fort Lauderdale Chamber of Commerce Excellence in Healthcare Awards.

This honor recognizes her exceptional leadership, contributions to healthcare, and lasting impact on South Florida through her dedication and commitment to the field.

Dr. Motola was recognized for her remarkable work in developing the Advanced Stroke Life Support program and her impactful partnership with the American Heart Association, which has expanded globally.



◆ Acute Critical Event Simulation

The Gordon Center team hosted an Acute Critical Event Simulation (ACES) training at the new state-of-the-art UHealth Doral facility. ACES ensures healthcare teams are fully equipped with the skills and knowledge needed to respond effectively in critical situations.

UHealth Doral is a six-story, 160,000-square-foot facility that is revolutionizing healthcare in South Florida with its comprehensive specialty services, including cardiovascular care, gastroenterology, endocrinology, orthopedics, urology, and cancer care from the Sylvester Comprehensive Cancer Center. It features cutting-edge infrastructure, such as 33 clinical treatment units, eight operating rooms, advanced imaging services, and GI endoscopy suites, all designed with patient-centered care in mind.

We are proud to support University of Miami Miller School of Medicine and University of Miami Health System's mission to advance academic medicine and equip healthcare professionals with the critical skills needed to save lives.



◆ Global Experts Explore Extended Reality

Dr. Barry Issenberg, in his role as President of the Society for Simulation in Healthcare, and Dr. Samia Barbar joined



22 other global experts at the influential Utstein Meeting in Copenhagen to explore how extended reality (XR) can revolutionize healthcare education and enhance patient safety.

The gathering addressed questions on designing evidence-based XR programs, overcoming adoption challenges, and building faculty capacity to embrace this innovative simulation modality.

◆ Congratulations Dr. Issenberg

Congratulations to Dr. Barry Issenberg for being named the first "SOMESICS International Mentor" at SIMex Mexico. SOMESICS is Mexico's healthcare simulation society. This prestigious recognition highlights his exceptional contributions to advancing simulation-based education and his dedication to guiding and mentoring the next generation of healthcare professionals.





Vision

To create an environment where innovation, simulation, and education come together

Mission

Saving lives through simulation technology

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