



ANNUAL
REPORT
2022

 **GORDON
CENTER**
SIMULATION | INNOVATION | EDUCATION

UNIVERSITY OF MIAMI
**MILLER SCHOOL
of MEDICINE**

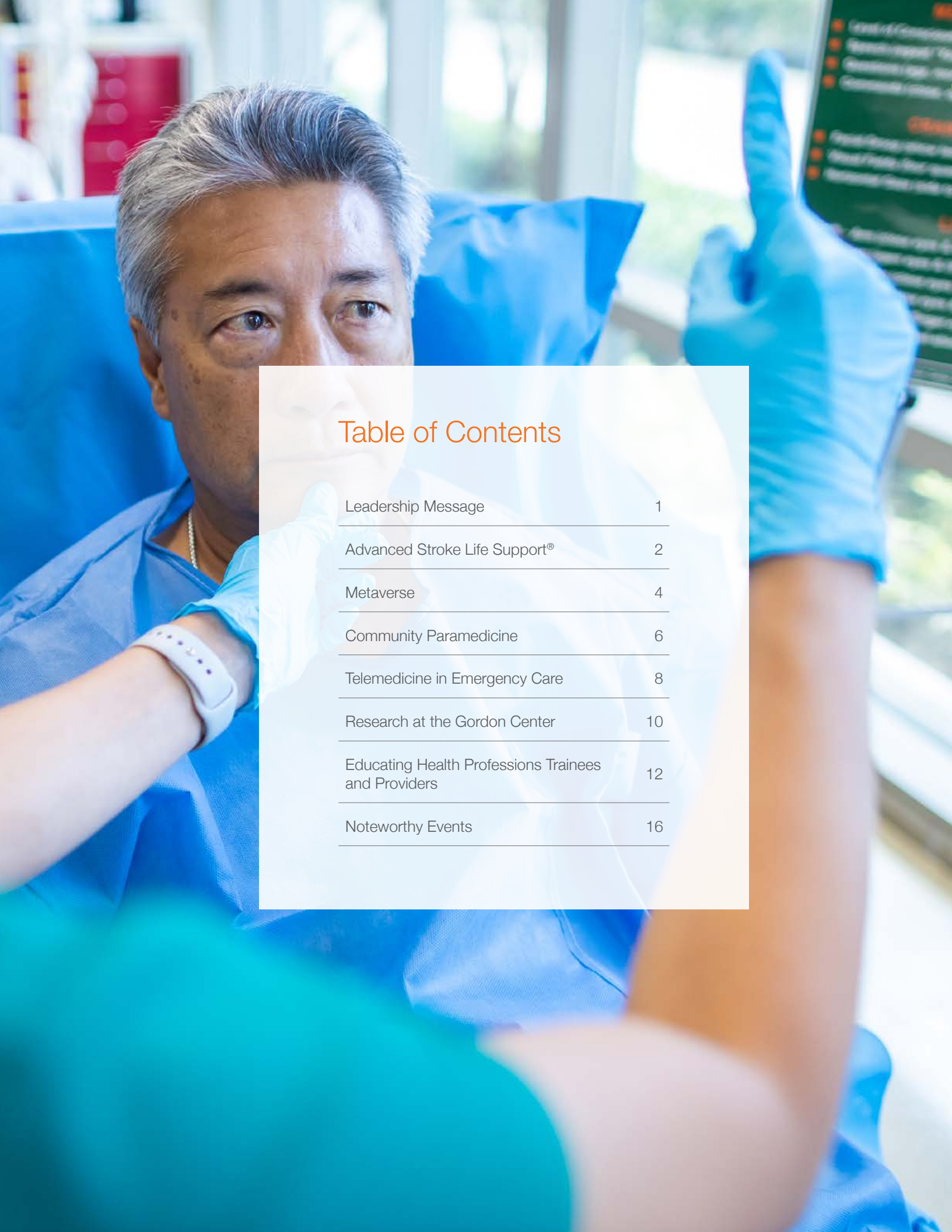


Table of Contents

Leadership Message	1
Advanced Stroke Life Support®	2
Metaverse	4
Community Paramedicine	6
Telemedicine in Emergency Care	8
Research at the Gordon Center	10
Educating Health Professions Trainees and Providers	12
Noteworthy Events	16

Leadership Message



S. Barry Issenberg, M.D.
Director

Dear Friends of the Gordon Center, As we move on from the global coronavirus pandemic, 2022 was a year of transition for many – people went back to the office and many in-person events were finally held again. The same is true for us at the Michael S. Gordon Center for Simulation and Innovation in Medical Education. While many of our trainings are in hybrid format – and will continue to be – I was excited to see our learners again in-person. I am confident that I speak on behalf of my colleagues when I say that we missed the personal interaction.

In 2022, we launched our new Advanced Stroke Life Support (ASLS®) Blended Learning program in partnership with the American Heart Association. ASLS offers healthcare providers the training to make a rapid evaluation, stabilize, and care for stroke patients. This innovative program is off to a great start and we have held trainings with hundreds of learners across the United States, a level that will only increase in the coming year.

In this annual report, you will read about some of our forward-looking programs that are advancing simulation and training, with the ultimate goal of ensuring better health and the best patient outcomes. One example is our new community paramedicine curriculum that will promote an innovative model of community-based healthcare to provide more effective and efficient services. Community paramedicine strives to facilitate more appropriate use of healthcare resources while enhancing access to primary care for medically underserved or under-resourced populations.

You will also find a story about our innovative telemedicine partnership with the Coral Gables Fire Department. At the Gordon Center our mission is to save lives through simulation technology, and telemedicine is a great example of that. Reducing the time from first encounter with a patient to transporting and transferring them to the right people at the hospital as quickly as possible is a key desired outcome of the course. Telemedicine leads to shorter wait times and better processes, which has the potential to save lives.

I would like to take this opportunity to thank all of our supporters and partners for their tireless work in 2022. We would not be where we are today without you. And thank you, the reader, for your interest in our Center and the work that we do. I hope you enjoy reading about our accomplishments in 2022, and I look forward to a successful year in 2023.

Best,
S. Barry Issenberg, M.D.

Director
Gordon Center for Simulation and Innovation in Medical Education
University of Miami Miller School of Medicine





Gordon Center and American Heart Association Launch Advanced Stroke Life Support® Blended Learning Curriculum to Save Lives of Stroke Victims

Despite a high prevalence and often devastating outcomes, detection and management of stroke is still not a major focus of public awareness campaigns or even the education curricula for many medical professionals. The Gordon Center's new Advanced Stroke Life Support (ASLS®) Blended Learning course, which has been co-developed and is run in partnership with the American Heart Association (AHA), sets out to change that.

The sobering fact is – every 40 seconds someone in the United States

suffers a stroke, while worldwide it is every 2 seconds. The number one priority for people with a stroke is getting to an appropriate hospital as quickly as possible to prevent or reduce the death of brain cells. Everyone involved in the care of a stroke patient – from paramedic to nurse to physician – needs to be trained to detect the signs of a stroke quickly and arrange for prompt transportation to the proper facility and implement effective treatment.

Therefore, the primary goal of the ASLS program, the most innovative

curriculum for stroke detection and management, is to ensure everyone in the detection-to-treatment chain is knowledgeable about stroke symptoms, processes, and immediate treatment options. Recognizing that there is a “golden window” for stroke patients to be treated most effectively, rapid evaluation, stabilization and care are of utmost importance.

“ASLS was developed at the Gordon Center in the late 1990s on the heels of groundbreaking research that showed a blood clot-dissolving therapy was effective in patients

with an ischemic stroke,” said Ivette Motola, M.D., MPH, prehospital and emergency training division director and the Center’s assistant director. “Before this therapy became widely available, many patients ended up being severely disabled or, sadly, died.”

The ASLS curriculum is already used by hundreds of hospitals, fire rescue and EMS systems, and educational institutions throughout Florida, the country, and the world. More than 10,000 clinicians worldwide complete the ASLS course annually. As new knowledge about stroke and its treatment becomes available, the Gordon Center continually updates the ASLS curriculum.

“We distill all of that updated knowledge and incorporate it into the program. We have seen impressive developments in stroke management and care, particularly since 2015 when endovascular therapy for ischemic stroke was shown to be beneficial,” said Motola.

The latest iteration of the curriculum has been developed in partnership with the AHA and was piloted in the spring of 2022. The two teams initially collaborated to create an e-learning module focused on the care of stroke patients during the pandemic, which is how the ASLS blended learning partnership began.

“The revised ASLS program means that learners complete a part of the program on an e-learning platform and then go to a training center for hands-on skills practice and evaluation,” said Gordon Center Director S. Barry Issenberg, M.D. “In addition, the e-learning platform is adaptive, allowing learners to skip certain elements of the curriculum based on an assessment of their prior knowledge and their experience in the field. A novice learner who doesn’t work often with stroke patients will get much more of the content than a seasoned stroke neurologist or nurse, who uses this information in daily practice.”

The partnership with the AHA has gone exceedingly well. “One of the reasons we wanted to embark on a collaboration was that we understood the importance of this training and its impact on people’s lives,” said Motola. “We had taken the existing program as far as we could and wanted to explore strategic partnerships to reach more healthcare professionals in the U.S. and beyond. We already had partnered with the Angels Initiative in Europe on ASLS e-learning for EMS. The opportunity to partner with the AHA, which is not only an advocacy organization, but has over a thousand training centers that could help the program grow so much farther, was clearly a win-win.”

Learn more about the ASLS program at the Gordon Center



MIAMI, FL BOSTON, MA MEMPHIS, TN LITTLE ROCK, AR NEW ORLEANS, LA MT. LAUREL, NJ
SALEM, NC RALEIGH, NC FLORIDA KEYS, FL PARMA, OH ORLANDO, FL KANSAS CITY, MO
CLEVELAND, OH HOUSTON, TX BUDAPEST, HUNGARY



Healthcare in the Metaverse

Imagine seeing a physician avatar wearing your virtual reality (VR) goggles instead of going to their office the next time you have a sore throat? Soon, this may become routine if companies such as Facebook and Amazon succeed in establishing healthcare in virtual environments as a viable alternative to real world clinical care.

For those not yet familiar with the metaverse – it is a 3-D virtual world facilitated through VR and augmented reality (AR) headsets that strives to enable human and non-human connections that may not be available to users in the real world. There is currently no agreed-upon universal definition of metaverse, but thinking of it as an advanced version of “cyberspace” comes close. The companies working to create

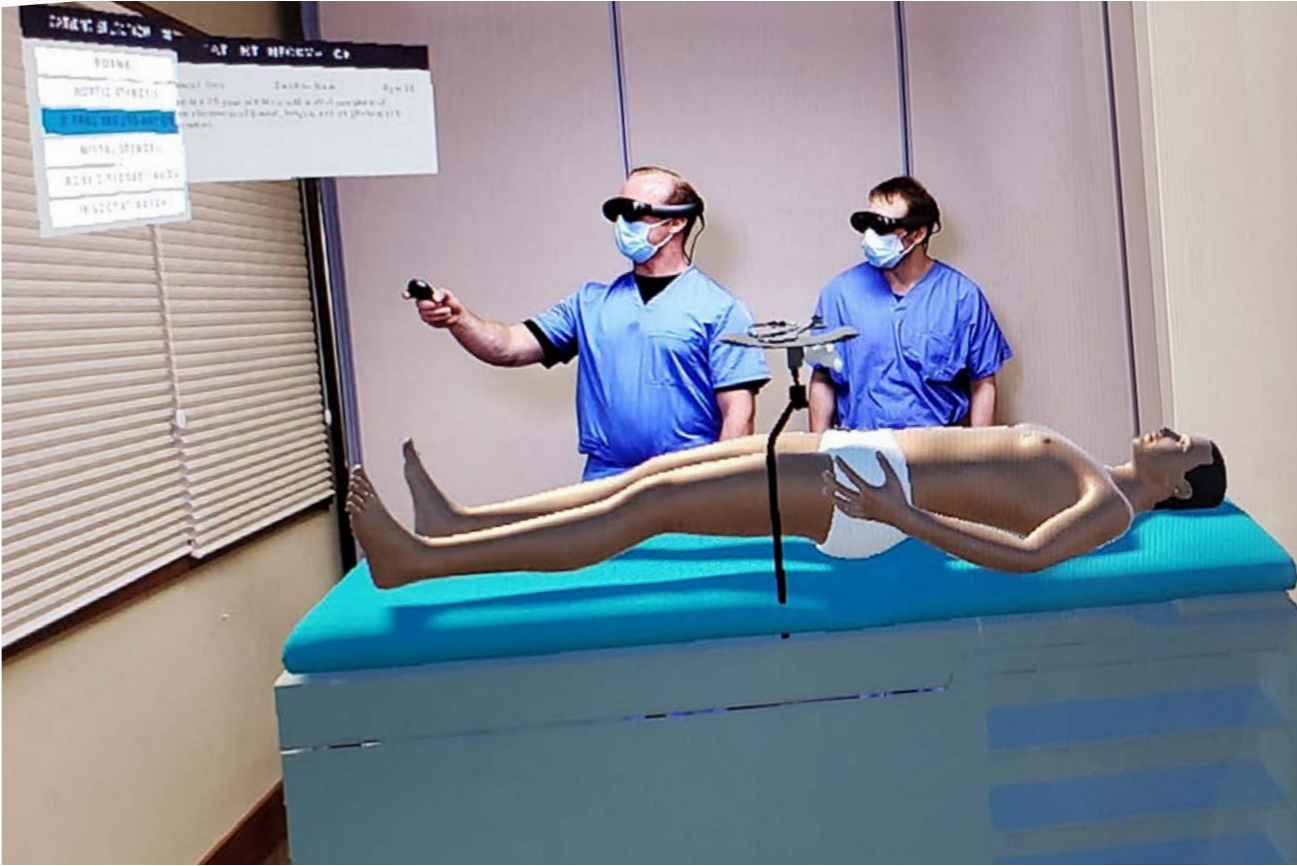
the metaverse want it to resemble the real world as much as possible, at least in some ways. In the metaverse, properties are for sale, stores sell real products, and healthcare is not just available to avatars but also the real- world humans behind them.

One of the key features of the metaverse is that it combines real- world data, such as those collected through wearable and other devices (the “internet of things”), with the virtual world. Electronic health records that live in the metaverse are constantly enriched with data from health-focused technologies. Your primary care provider – whether you visit them in real life or in the metaverse – can have access to all of your health data such as weight, sleep pattern, heart rate and rhythm, blood sugar and pressure, etc. This

means you wouldn’t have to go through traditional clinical providers’ office tests again, which are usually snapshots in time, while data from the internet of things are collected over time and are, therefore, much more representative for health evaluations. The devices also alert the patient and doctor directly if certain values or parameters are outside of a pre-defined norma range.

At the Gordon Center, learners are already using VR and AR tools to practice performing certain tests and procedures – everything from complicated surgery to simple things such as using a stethoscope – while seeing the underlying anatomy in 3-D. Another novel diagnostic tool comprises personal goggles developed at the University of Miami’s Bascom Palmer Eye Institute that can detect the visual response of patients. The goggles are used in patients with vision problems so physicians can conduct exams remotely and the patient doesn’t have to come to the center. In the near future, a new version of the cardiology patient simulator Harvey® will be available that includes VR and AR elements.

As of today, nobody knows to what extent the metaverse will succeed and be adopted for day-to-day endeavors such as healthcare. At the Gordon Center, we are ready to explore the metaverse and use the technologies that are available today to train medical professionals most effectively for practice tomorrow.



WebMD®

Still uncharted territory for many, the metaverse is taking shape in everyday life for millions around the world. Gordon Center Director Barry Issenberg, M.D., spoke with WebMD about the opportunities and challenges that lie ahead for healthcare in the metaverse.



Community Paramedicine

The Promise of Community Paramedicine

“We’ve all seen situations when patients were released from the hospital and then showed up again at the ER a few days later because they didn’t fill their prescriptions, take their medications, or follow discharge instructions,” says Angel “Al” Brotons, director of training operations at the Gordon Center. “These readmissions to the hospital stress resources, are costly, create extra work, and importantly, they often lead to worse patient outcomes.”

Beyond repeat ER visits, another common scenario in our current healthcare system occurs when patients seek medical care in the ER

when they could have been treated by a primary care physician outside of a hospital setting. Community paramedicine hopes to address such issues.

Community paramedicine is an innovative model of healthcare that aims to provide more effective and efficient services. It relies on paramedics to work outside of their traditional emergency response and transport roles to help facilitate more appropriate use of healthcare resources, while enhancing access to primary care for medically underserved or under-resourced populations.

This model caught the attention of the federal government, which has started to encourage states to implement community paramedicine programs. The goal is for communities to launch local or regional offices that are staffed by paramedics who have received specific community paramedicine training. Whenever a patient of concern is discharged from a hospital or ER, the hospital team will inform the community paramedicine office serving that patient’s place of residence. The community paramedics will either visit the patient at home or facilitate follow-up by another caretaker. Community paramedics will ensure that the

patient has all the resources needed to follow discharge instructions and is responding according to the discharge plan.

At the Gordon Center, paramedics and other healthcare professionals participated in a novel community paramedicine training program that started last summer, designed to provide not only the clinical skills necessary to be an effective community paramedic, but also the management skills to develop and implement programs that meet the specific needs of their community. The Center is working with the State of Florida to develop a standardized program to ensure consistent and high-quality training throughout the state Florida, which may become a model for programs across the country.

“Community paramedicine programs already exist in the U.S., but the training is mostly developed on a local community basis. Curricula are not standardized and do not



necessarily follow best practices,” says Brotons. Ultimately, the benefits of community paramedicine go much further than cost savings. It not only reduces non-emergency transports and improves effective resource utilization, but it also enhances a patient’s adherence to treatment, safety, and well-being. Medical

care doesn’t end when a patient is discharged from the hospital but often continues for a long time afterward. Community paramedicine is ideal for achieving that continuity of care and for improving patient outcomes.



“A lot of people can’t afford insurance, but that doesn’t mean that they should go to the [ED] for all their healthcare needs. That’s why this is so important, this type of community approach,”

said Al Brotons, Associate Director for Operations and Instructor Development at the Gordon Center as he spoke with America’s Essential Hospitals about our novel telemedicine and community paramedicine initiatives. Brotons spearheaded both programs and is now working to launch the first community paramedicine curriculum in Florida.



The Gordon Center’s community paramedicine program was recently highlighted in *Florida Trend* magazine.



Telemedicine in Emergency Care

When people hear the term “telemedicine,” they mostly think of teleconference visits with their primary care physician or nurse while at home. During the pandemic, these telemedicine visits with a clinical provider were popular when there was a need to reduce in-person visits to avoid Covid-19 infections.

“Covid-19 opened the door for telemedicine in areas where it was much less common before the pandemic,” says Angel “Al” Brotons, who oversees the telemedicine programs at the Gordon Center. “People who may have never heard of telemedicine or experienced it before, are now familiar with it because they themselves benefited from it.”

However, telemedicine is much more than a physician visit via Zoom. It is starting to take hold in areas outside of primary and specialist care environments. One such area is prehospital and emergency medicine, particularly related to stroke care. In emergency situations, time is of the essence, especially for patients with stroke symptoms. Using telemedicine, first responders can now go through the stroke triage scales in the field together with a stroke specialist at a nearby hospital via a mobile tablet.

The use of telemedicine by first responders also makes admission at the hospital easier and more streamlined once the patient arrives. If the stroke scale is not completed

by the time a patient arrives at the hospital, they will likely end up in the emergency department, where a physician will need to go through the stroke scale items. Only then can the patient be brought to CT imaging, or to any other appropriate care location in the hospital. However, if the scale is already complete (through telemedicine) by the time the patient arrives, they can go directly to get their CT scan. Every minute saved in the process benefits the patient.

“I was a firefighter in Monroe County and saw the incredible benefits of telemedicine,” said Brotons. “Using telemedicine, a neurologist will have already ‘seen’ the stroke patient and conducted the stroke scale

assessment before the patient arrives at the hospital. The medical staff at the hospital can use the prehospital transport time to prepare further tests, imaging, or any immediate procedures. I am not exaggerating when I say that telemedicine can be a lifesaver for stroke patients.”

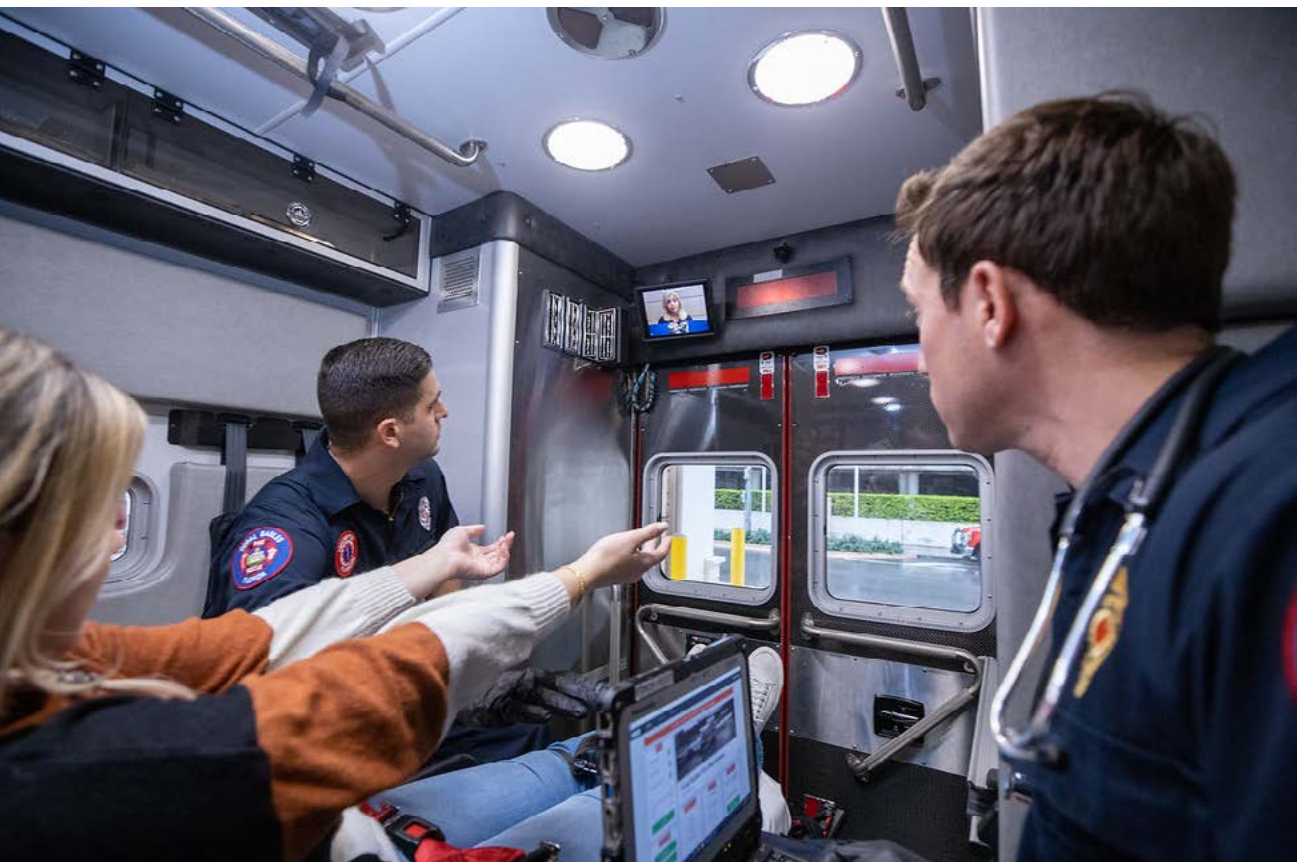
Currently, the Coral Gables Fire Department is working with Jackson Memorial Hospital and Baptist Health in South Florida as part of a telemedicine program for stroke patients. These hospitals were selected because they have the busiest stroke centers in Miami-Dade County. Neurologists at these two health systems have been provided with tablets and software platforms

that enable them to see patients in the emergency rescue vehicles.

The use of telemedicine on Coral Gables emergency vehicles has been a successful collaboration between the Fire Rescue service and the Gordon Center. Innovative technologies, such as telemedicine, are only beneficial when users know to how apply them properly. Processes that are not clear or communication that is poor can even lead to obstacles that add time in a situation when the patient needs to get treatment quickly. That’s why the Gordon Center regularly trains Coral Gables Fire Rescue first responders in the use of the telemedicine platform.

“Our mission is to save lives through simulation technology,” said Brotons. “Our programs for telemedicine are great examples of that. Cutting down time from first encounter with a patient to dropping them off with the right people at the hospital as quickly as possible is doing exactly that. Telemedicine leads to shorter wait times and better processes that can save lives.”

The telemedicine partnership between the Gordon Center and Coral Gables Fire Rescue was recently featured in Florida Fire Service.



FIRE SERVICE

“In emergency situations, time is always of the essence, but especially when we encounter a patient with stroke symptoms,” said Xavier Jones, Division Chief at the Coral Gables Fire Department. “We work closely with our partners at the Gordon Center to ensure all of our first responders know exactly how to use the technology that’s on our vehicles to the advantage of the patient,” said Jones.

Read more in Florida Fire Service Magazine, a publication of the Florida Fire Chiefs’ Association, about how the Gordon Center developed telehealth capability for fire trucks that is transforming emergency care.



Research at the Gordon Center



Work at the Gordon Center includes rigorous research into the effectiveness of simulation and innovations in medical education. Center experts have been leading several high-profile research projects. Highlights from 2022 include:

A study published in the *Journal of Trauma and Acute Care Surgery* showed that a simulation-based Tactical Combat Casualty Care (TCCC) curriculum resulted in significant, consistent, and sustained improvement in participants' skill proficiency and self-confidence in tourniquet placement. Participants maintained these gains 2 months to 5 months after initial training.

Nurse Education in Practice published a study showing that a tiered competence-based simulation educator development program

improved nursing simulation educators' knowledge, competence, and attitudes across all course levels.

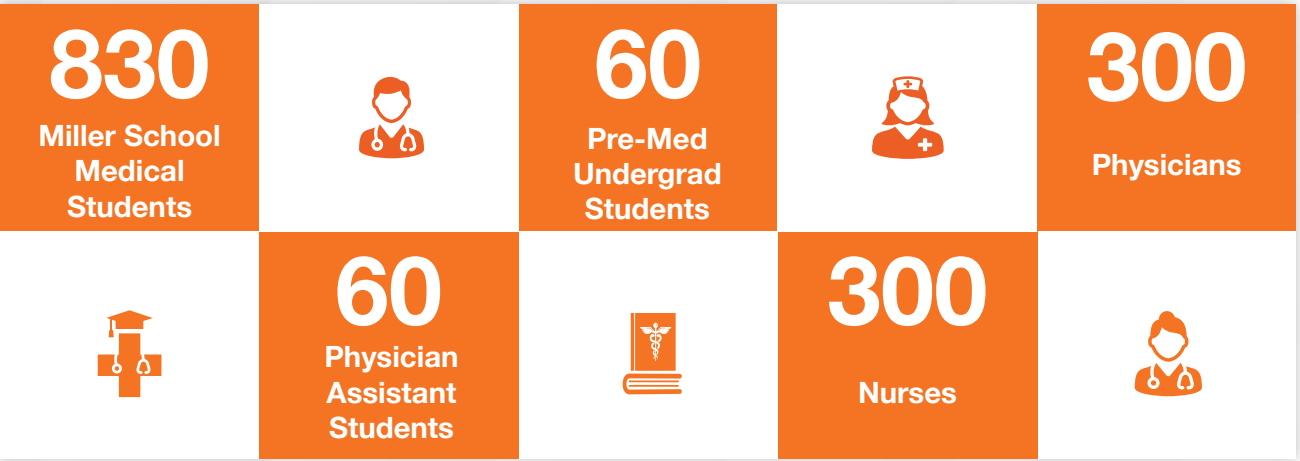
Gordon Center experts participated in a study published in *Academic Medicine* illustrating key elements of education research labs: the importance of lab identity, the signaling effect of a lab designation, required infrastructure, and the training mission of a lab. The authors emphasized the need for medical education researchers to be visionary and strategic when designing their labs. They analyzed start-up considerations and the likelihood of support for medical education labs, and questioned the degree to which department leaders should support such labs. The Gordon Center was one of the research labs included in the study.

Published in *Medical Teacher*, experts from the Miller School and Gordon Center discussed a composite workplace-based assessment (WBPA) tool that combines the frameworks of entrustable professional activities (EPAs); Professionalism, Reporter, Interpreter, Manager, Educator (PRIME); and Modified Ottawa Co-activity, and demonstrated the usability of applying it for learner assessments in clinical settings.

At the International Conference on the Future of Health Professions Education meeting in Miami in November 2022, the Gordon Center presented research on its novel experiential learning curriculum to teach emergency medical skills to medical students.



Educating Health Professions Trainees and Providers



Over the past year, the Gordon Center trained more than 800 medical students across four years from the University of Miami Miller School of Medicine as part of the school’s innovative NextGenMD curriculum. The Gordon Center provides hands-on training and assessment across all three phases of the NextGenMD curriculum. Another important role the Center plays within the Miller School of Medicine is providing training for learners across the educational continuum in multiple health professions.

Medical education for learners such as students from the University of Miami Miller School of Medicine is an important area of focus at the Gordon Center. As part of the Miller School’s NextGenMD curriculum, the Gordon Center is tasked with running the new Transition to Residency course, a four-week required course for all graduating medical students. The course includes specialty components such as emergency medicine, internal medicine, surgery, obstetrics-gynecology, and pediatrics.

The course features highly interactive teaching and learning methods, including simulations, procedure labs and standardized patient encounters depicting realistic scenarios that are common during residency. Examples include emergency scenarios in which students must make rapid assessments and begin initial management, and communication scenarios where they must disclose

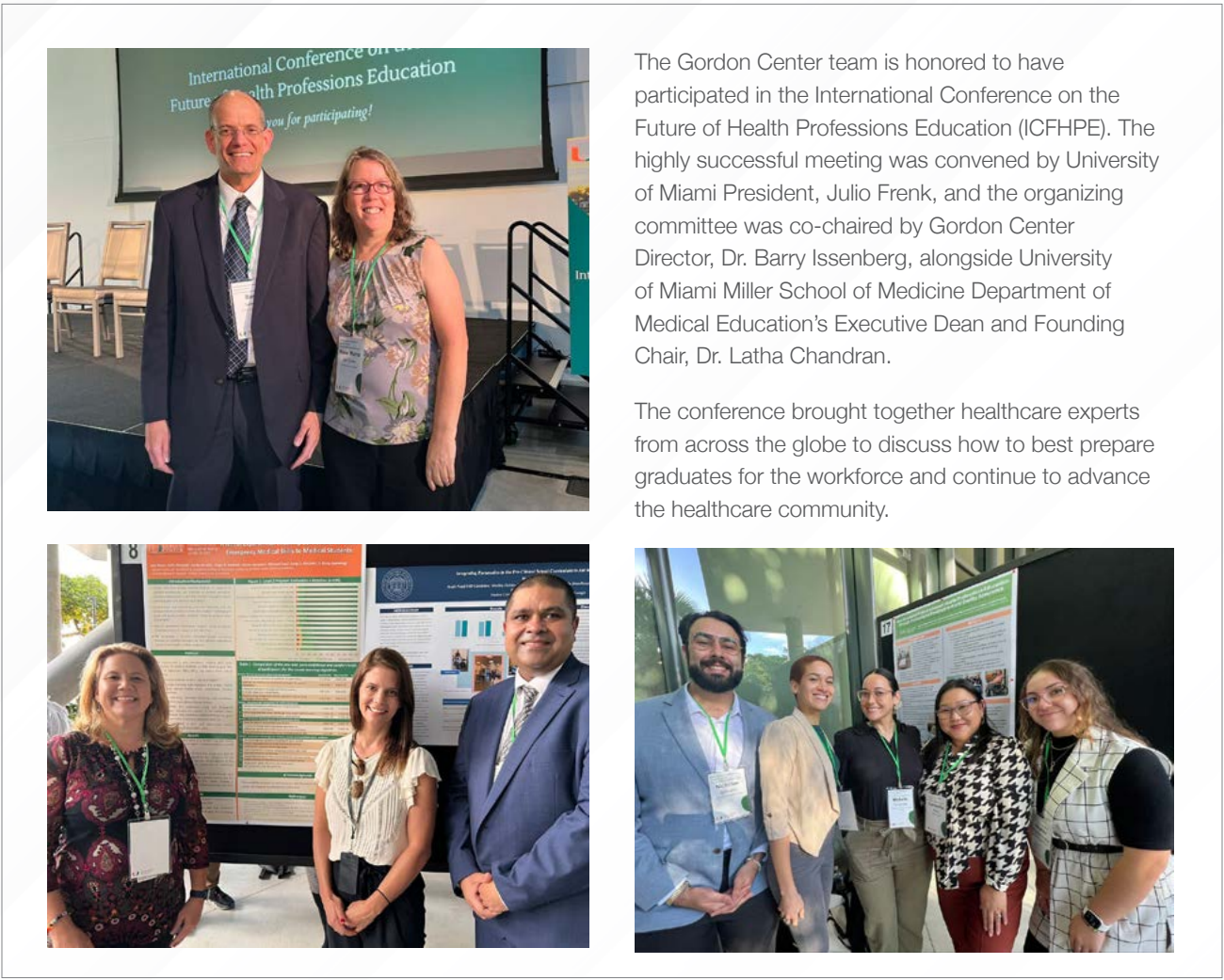


medical errors. These advanced clinical situations require students to exercise the greater level of independence that will be expected during residency. They also practice communication scenarios they may never have encountered, such as discussing significant medical errors.

An important component of health professions curricula at the University of Miami (UM) is the Gordon Center’s Standardized Patient (SP) Program. SPs are trained to accurately and consistently recreate the history, personality, physical findings, emotions, and responses of actual patients in simulated clinical encounters. Health professions

learners interview and examine SPs, who are also trained to provide effective feedback in a safe, controlled environment.

Additionally, Harvey®, the Cardiopulmonary Patient Simulator developed at the Gordon Center, is commonly used in the education of health professions learners at UM. In recognition of increasingly diverse patient populations, particularly in South Florida, the Gordon Center collaborated with engineers and technicians to design and rapidly develop prototypes for Harvey® with three skin tones - light, medium, and dark.



The Gordon Center team is honored to have participated in the International Conference on the Future of Health Professions Education (ICFHPE). The highly successful meeting was convened by University of Miami President, Julio Frenk, and the organizing committee was co-chaired by Gordon Center Director, Dr. Barry Issenberg, alongside University of Miami Miller School of Medicine Department of Medical Education’s Executive Dean and Founding Chair, Dr. Latha Chandran.

The conference brought together healthcare experts from across the globe to discuss how to best prepare graduates for the workforce and continue to advance the healthcare community.

The Gordon Center welcomed the University of Miami Miller School of Medicine class of 2026. We work alongside these NextGenMD medical students and share the benefits of healthcare simulation education with them.



Educating Health Professions Trainees and Providers

March 18

Congratulations to the Miller School Class of 2022 on their Match Day, when thousands of fourth-year students across the United States found out where they will begin their residency training after graduation. The University of Miami Miller School of Medicine had a success rate of 96% matching in specialties and institutions around the country. We are excited to watch their careers grow.



Click on image to watch video



May 16

The Gordon Center is excited to have worked with the University of Miami Miller School of Medicine to implement the senior Transition to Residency course as part of the NextGenMD curriculum.

“The goal is to provide students greater confidence in beginning their internship year by preparing [them] to communicate effectively in challenging scenarios with standardized patients, to handle acute emergencies using high-fidelity simulations at the Gordon Center, to prepare for the professionalism required of residency training...” said Dr. Gauri Agarwal, Director of the course and Associate Dean of Curriculum.

Read More



May 26

Congratulations to Gordon Center Director, Dr. Barry Issenberg, who was among the inaugural senior members of the Academy of Medical Education Scholars at the University of Miami Miller School of Medicine.



October 29

Congratulations to Henri R. Ford, M.D., M.H.A., dean and chief academic officer of the Miller School, who has been named President-Elect of the American College of Surgeons.

Read More



MICHAEL S. GORDON CENTER FOR SIMULATION AND INNOVATION IN MEDICAL EDUCATION

FELDMAN DIVISION OF MULTIPROFESSIONAL HEALTH EDUCATION

DIVISION OF RESEARCH AND TECHNOLOGY

DIVISION OF PREHOSPITAL AND EMERGENCY TRAINING

THE HOME OF "HARVEY"

Noteworthy Events

January 7

Our Rapid Response Team Training course continues to be one of the most effective courses when instructing teams who handle time-sensitive emergency situations. While most acute care simulation curricula are taught to individual learners, our innovative training instructs full rapid response teams and focuses on their combined efforts to successfully save lives in urgent situations.

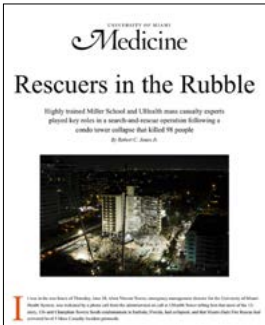
Click on image to watch video



January 10

“There are very few major academic research institutions in the U.S. that have a close and active collaboration with its first-responder community,” said Gordon Center Director, Dr. Barry Issenberg, when asked about the Center’s role in the search-and-rescue operation following the collapse of Champlain Towers in June 2021.

Read more from the University of Miami’s Medicine Magazine article titled “Rescuers in the Rubble”



January 11

The Gordon Center expresses our appreciation for the commitment from the State of Florida for our simulation training programs. This support has helped save many lives throughout the entire state. Thank you to the State of Florida, the Governor and the Florida Legislature.

Click on image to watch video



January 15

The Gordon Center team headed west for last year’s International Meeting on Simulation in Healthcare conference. We were excited to gather in Los Angeles and take part in the educational sessions while connecting with the global simulation community. Gordon Center leaders directed a Learning Lab titled “Striking the Right Balance of Remote/Virtual and Face-to-Face Learning through Simulation,” while also showcasing Harvey®.



Noteworthy Events

January 17

Congratulations to Dr. Ross Scalese, Fellow of the Society for Simulation in Healthcare Academy, who was recognized, alongside the 2022 class of fellows, at the International Meeting on Simulation in Healthcare conference.

Dr. Scalese serves as the Gordon Center’s Director of Educational Technology Development. He is a leader who epitomizes dedication to advancing simulation-based education and training.



January 24

Congratulations are in order! Dr. Ivette Motola was also honored at the International Meeting on Simulation in Healthcare for her induction as a 2021 Fellow of the Society for Simulation in Healthcare Academy.

This distinction recognizes Dr. Motola -- Director of our Prehospital and Emergency Training Division and Assistant Director of the Gordon Center -- for her sustained and positive impact on the field of healthcare simulation.



January 26

HIGHLIGHTING EXCELLENCE — We introduce you to Evelyn Anzardo, Gordon Center Nurse Educator and Accredited Provider Program Director. Evelyn has 9 years of experience in the healthcare field and 7 years of experience as a simulation education professional. Her work at the Gordon Center includes the training and development of our instructors, assistance with curriculum development for various courses, and more.

The Gordon Center for Simulation & Innovation in Medical Education is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center’s Commission on Accreditation. Mrs. Anzardo successfully led the Gordon Center’s most recent reaccreditation, a testament to her hard work and dedication.



February 3

Thank you to our friends and partners at Laerdal Medical USA for featuring the Gordon Center and Dr. Ross Scalese during their International Meeting on Simulation in Healthcare live recaps.

Check out the following clip to hear more from Dr. Scalese on the future of medical simulation and his most memorable moments from this year’s conference.

Click on image to watch video



February 17

The Gordon Center Wall of Heroes celebrates and honors the lives of fallen first responders. Alongside the Hialeah Honor Guard, we remembered one of our community’s lost firefighters. We remain forever grateful for their service and sacrifice.



Noteworthy Events

March 4

A heartfelt congratulations to Mark Buzzelli, MD on his military promotion to Colonel.

The Gordon Center is proud of our 20-year partnership with the U.S. Army, its longest-running civilian partnership for trauma training. From all of us here at the Gordon Center, Congratulations Colonel Buzzelli!



March 9

The Gordon Center continues its training for undergraduate pre-med students, teaching them suturing and knot-tying, as well as STOP THE BLEED® techniques.

This training is part of the University of Miami Health Professions Mentoring (HPM) program – an initiative of the University of Miami Miller School of Medicine Office of Diversity, Inclusion, and Community Engagement – which offers an enriched curriculum and mentoring for students throughout their four years of college.



April 13

Our relationship with the U.S. Army Trauma Training Detachment (ATTD) is one that we treasure and we are honored to be a part of their mission.

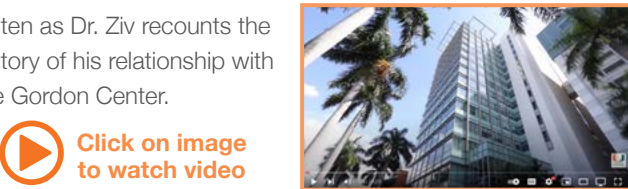
We bid farewell to ATTD Commander Captain Xavier Jones whom we have had the pleasure to get to know and work with for the past three years. We wish him all the best in his next post. He will always be a part of our family.



April 27

The Gordon Center hosted Dr. Amitai Ziv, Founder and Director of The Israel Center for Medical Simulation and Deputy Director of The Sheba Medical Center at Tel Hashomer. Dr. Ziv has been a longstanding friend and collaborator of the Gordon Center who shares a common mission of improving patient safety and saving lives through simulation education.

Listen as Dr. Ziv recounts the history of his relationship with the Gordon Center.



April 29

Congratulations to the Miami-Dade Fire Rescue Team and our Gordon Center instructors Michael Ung and Alex Lozano on winning the 2022 Journal of Emergency Medical Services (JEMS) Games.



Noteworthy Events

May 9

The Gordon Center joined healthcare institutions nationwide in celebration of National Nurses Week. We are proud to play a role in the education and simulation training of nurses globally. Together we strive daily to improve patient outcomes. Take a look at one of our simulation courses for nurses.



May 10

Gordon Center faculty led a series of 11 hands-on workshops featuring Harvey®, the cardiopulmonary patient simulator, at the American College of Physicians (ACP) Internal Medicine Meeting in Chicago.



May 13

In honor of Military Appreciation Month, we recognized our proud partnership with the U.S. Army. For the past 20 years, we have implemented numerous simulation training courses in collaboration with the Army Trauma Training Detachment for their Army Forward Surgical Teams.



May 24

Thank you Congressman Carlos Gimenez for your support of the Gordon Center in prioritizing funding to support valuable training upgrades for life-saving patient simulation systems for our first responders and healthcare heroes.

We look forward to continuing to work alongside you in championing this effort.



June 10

Dr. Ross Scalese attended the Africa Health ExCon in Cairo, Egypt, representing the Gordon Center and the University of Miami. Dr. Scalese demonstrated Harvey®, the cardiopulmonary patient simulator, to medical students, faculty and visiting international dignitaries.

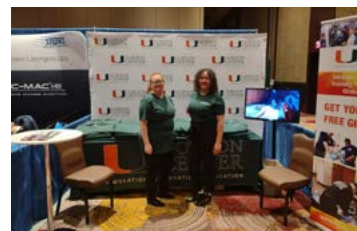
Our team is honored to have attended the inaugural conference that aimed to highlight this region's potential as a continental hub and gateway to innovation and trade in healthcare.



Noteworthy Events

June 14

The Gordon Center team partnered and exhibited at the 25th Annual First There First Care Conference. Participants learned more about how we can build the future of emergency response together. The Gordon Center trains first responders in all 67 counties in Florida, totaling over 18,000 learners annually.



June 15

Our team was represented at the SESAM -- Society in Europe for Simulation Applied to Medicine -- annual conference in Sevilla, Spain. Director of Educational Technology Development, Dr. Ross Scalese, led a workshop on improving the reliability of simulation-based assessments in the healthcare professions.

June 18

At the Gordon Center, we Pride ourselves on being an inclusive organization and a safe space for our LGBTQ+ learners, instructors, and staff.



June 22

The Gordon Center team welcomed University of Miami Miller School of Medicine residents from Holy Cross Health, Fort Lauderdale for Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) courses.



BLS trains participants to recognize and treat life-threatening emergencies and ACLS centers around treating patients suffering from cardiac arrest and other cardiopulmonary issues.

June 30

The Gordon Center's team of experts led Post-Graduate Year 1 & 2 residents from Holy Cross Health, Fort Lauderdale in daylong hands-on medical simulation training events. This method of learning is invaluable in a medical setting and has been proven incredibly effective.



We enjoyed teaching these groups as they learned critical skills in patient care and patient safety.

July 1

Gordon Center instructor Stanley Stark showcased some of our medical education innovations by demonstrating Harvey®, the cardiopulmonary patient simulator, at last year's International Nursing Association for Clinical Simulation and Learning conference.



Noteworthy Events

July 8

Congratulations to Gordon Center Assistant Director of Operations and City of Hialeah Fire Department Lieutenant Marco Gonzalez on his recent "EMS Steward of the Community" award presented by Steward Health Care.



August 23

Gordon Center Director, Dr. Barry Issenberg, and Director of Educational Technology Development, Dr. Ross Scalese, made their way to Lyon, France for the 2022 Ottawa conference.

Dr. Scalese led a workshop, titled "What's all the training FOR (Frame of Reference)?" that discussed the importance of reliability of sim-based assessments in healthcare.



August 26

Dr. Issenberg and Dr. Scalese attended the AMEE (International Association for Medical Education) 2022 Conference following the Ottawa Conference in Lyon, France.

The team exhibited Harvey®, the cardiopulmonary patient simulator, with our partners at Laerdal Medical.



July 11

The Association of Standardized Patient Educators 2022 Conference was a huge success. Our Standardized Patient team set a high bar by presenting 4 of 4 submitted research abstracts:

- Commit to the Bit: An Acting Workshop
- How Emotional Intelligence Informs Standardized Patient Work
- Implementing a Quality Assurance and Improvement Program for Standardized Patients
- A Mixed Methods Approach to Providing Feedback on a Formative Geriatrics Standardized Patient Assessment for Medical Students

We enjoyed spending time with peers in New Orleans and look forward to participating in next year's conference.



Noteworthy Events

September 8

For more than 20 years, the Gordon Center has partnered with the U.S. Army to develop and implement essential training that impacts the ability to save 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 Surgical Teams, giving military healthcare professionals the clinical expertise they require to help save lives.



Click on image to watch video

September 13

During Healthcare Simulation Week at the Gordon Center, instructors, learners and healthcare professionals shared their simulation experiences by posting their photos in action.



September 17

We were in Sao Paulo, Brazil, joining Laerdal Medical for their Simulation User Network (SUN) conference that offered best practices for simulation training programs across all healthcare disciplines. SUN meetings are a great opportunity to collaborate with industry leaders in advancing healthcare training. Dr. Scalese delivered a keynote lecture and led workshops that shared the latest research and curricula from the Gordon Center.



September 22

Dr. Ross Scalese presented the Gordon Center's latest research at the Military Health System Research Symposium in Kissimmee, FL. Gordon Center experts, together with colleagues from the University of Miami Miller School of Medicine's Department of Surgery, the Army Trauma Training Detachment (ATTD), and the University of Central Florida's Army Reserve Officers Training Corps (ROTC), collaborated to evaluate the impact of a simulation-based "Tactical Combat Casualty Care" (TCCC) course on participants' tourniquet placement skills. The study confirmed that the training, now mandated by Congress for all service members, results in significant, consistent, and sustained improvement in participants' skill proficiency and self-confidence in tourniquet placement.



Noteworthy Events

September 29

We were deeply saddened to see the devastation caused by Hurricane Ian in our beautiful State of Florida. Several Gordon Center firefighter instructors from Miami-Dade Fire Rescue, Coral Gables Fire Department, Miami Fire Rescue, and Miami Beach Fire Department have been deployed to the west coast to assist local emergency response agencies in managing search and rescue efforts.



September 30

Our team of experts led our colleagues in the Bascom Palmer Eye Institute O.R. and Peri-operative areas through our Acute Critical Events Simulation (ACES) training. ACES training focuses on developing and instituting practices to better prepare teams for potential emergency patient situations.



October 1

Residents stranded on Sanibel Island by Hurricane Ian were flown to the mainland by U.S. Army helicopters during a rescue mission by Miami-Dade Fire Rescue Florida Task Force One (FL-TF1). The Gordon Center commends these heroes on their efforts and is proud to work alongside the task force cadre who are also members of our firefighter instructor team. FL-TF1 continued to conduct field reconnaissance to check on residents who might have been trapped inside their homes and in need of assistance.



READ MORE in Fire Engineering's latest article.



Click on image to watch video

October 4

We again welcomed our partners from the Army Trauma Training Detachment (ATTD) to host a series of courses preparing Forward Surgical Teams in advanced techniques for Trauma Resuscitation. The training included Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA), Eldon Card Field Blood-typing, and Central Line Insertion, all essential skills for trauma healthcare professionals caring for our service members wounded on the battlefield.



Noteworthy Events

October 7

Several Gordon Center firefighter instructors from stations throughout South Florida were deployed to assist in managing critical search and rescue efforts after the impact of Hurricane Ian. In the following weeks, first responder heroes dedicated their time to helping all Floridians affected. EMS Battalion Chief with Davie Fire Rescue Department and long-time core instructor with the Gordon Center, Andrew Popick, served as a critical first responder as part of FL-Disaster Medical Assistance Team 5. Speaking about his experience on this emergency mission, Popick said “many of the Gordon Center courses have immensely improved my knowledge, skills, and abilities to deliver medical care in austere environments following a disaster where the medical infrastructure has been severely compromised, if not wiped out.” Chief Popick and his team, alongside the HHS Administration for Strategic Preparedness and Response, helped staff a field hospital to provide healthcare services to those affected by Hurricane Ian.



October 11

We welcomed healthcare professionals including nurses, nursing students, paramedics, and physical and respiratory therapists for their Advanced Cardiac Life Support (ACLS®) renewal courses utilizing case-based scenarios that covered sudden cardiac arrest and other cardiac emergencies.

October 12

For many years, the Gordon Center has trained Physician Assistants through hands-on teaching methods like simulation to prepare them for real life healthcare situations. We are excited to have attended this year’s Physician Assistant Education Association’s Education Forum where we showcased Harvey® and presented the latest UMedic e-learning programs.



November 9

The Gordon Center’s Active Shooter Hostile Events (ASHE) training course instructs multi-agency teams on collaborative techniques for emergency rescue situations.

“This innovative method allows fire rescue to be embedded with law enforcement, so lifesaving care can get to victims much quicker versus waiting until the scene is 100% secured. We are grateful for the Florida Department of Education for their support of our training in the community,” said Dr. Barry Issenberg, Director of the Gordon Center.

Tune in to NewsNation where Gordon Center instructor, Lt. Marco Gonzalez, spoke with Natasha Zouves about our ASHE training program.



 Click on image to watch video

Noteworthy Events

November 10

Dr. Ross Scalese participated in a panel discussion with the Association of American Medical Colleges (AAMC) at the Learn Serve Lead 2022: The AAMC Annual Meeting in Nashville, Tennessee. The conference brought together national leaders to discuss trends and unique perspectives on the current state of healthcare education.

Dr. Scalese has served as one of the Task Force Co-Chairs for the AAMC Clinical Skills Assessment and Standardization (CLASS) Project that aims to nationally crowd-source the collective knowledge of the medical educator community in order to arrive at a meaningful definition of assessment of clinical skills.

November 14

Improving Simulation Instructional Methods (iSIM) is a faculty development course that emphasizes hands-on activities and active participation to maximize acquisition of simulation instructor skills. The Gordon Center hosted nurses, faculty, and residents from University of Miami Health System and Jackson Health System to learn techniques and technologies for delivering simulation-based healthcare education utilizing realistic scenarios.



November 22

The Gordon Center was a proud sponsor of the annual Florida Rescue Challenge 2022, hosted by North American Vehicle Rescue Association (NAVRA), which aims to educate rescue teams to reduce vehicle related injuries and death.

Our team led a cadaver lab for hands-on training, served as evaluators during the event, and assisted with volunteers for both the Extrication and Advanced Life Support challenges.



November 29

WTXL Tallahassee interviewed Gordon Center Assistant Director, Dr. Ivette Motola, to discuss our Active Shooter Hostile Events (ASHE) training.

Dr. Motola speaks to the benefits of a collaborative emergency training methodology, which pairs law enforcement officers with fire rescue teams to allow early intervention in crisis situations and, in turn, save more lives.

The Gordon Center’s innovative ASHE training is revolutionizing response to active shooter events by combining task forces to best prepare emergency responses.

 Read More

December 1

The Gordon Center conducted a Practical Research in Medical Education (PRIME) course for the Department of Physical Medicine and Rehabilitation on how to conduct medical education research effectively. Gordon Center experts frequently provide professional development opportunities for faculty and trainees to improve their competencies in various areas of health professions education.

Noteworthy Events

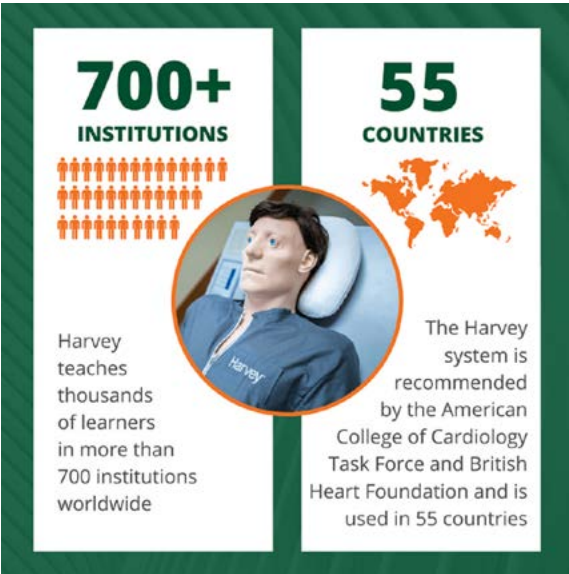
December 7

Our innovative Active Shooter Hostile Event training course was photographed by Wilfredo Lee for AP News during our course in Hialeah, Florida. This training was created in collaboration with law enforcement, fire rescue, EMS and the US military and is the first of its kind hands-on course for public safety first responders on the tactical and medical care interventions that will help save lives.



December 21

The Harvey® system is the longest continuous university-based simulation project in medical education. Harvey realistically simulates nearly any cardiac disease at the touch of a button by varying blood pressure, pulses, heart sounds, murmurs, and breath sounds. The Harvey system can be integrated across the healthcare professions at multiple levels and is used in medical, nursing, and physician assistant curricula.



Vision

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

Mission

Saving lives through simulation technology

Connect with the Gordon Center

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