DIVISION OF GLOBAL EMERGENCY MEDICINE

2021 Fiscal Year Annual Report

THE WARREN ALPERT MEDICAL SCHOOL OF BROWN UNIVERSITY

BROWN EMERGENCY MEDICINE
BROWN PHYSICIANS, INC.
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2021 Highlights

MORE THAN 20 ACTIVE GRANTS FOR ONGOING PROJECTS WORLDWIDE, TOTALING OVER $12 MILLION IN CUMULATIVE FUNDING

OVER 120 peer reviewed manuscripts, book chapters, or abstracts on their cutting edge global health research

OVER 110 lectures, invited presentations, and grand rounds on Global Emergency Medicine topics this past year

MORE THAN 1,500 trained

IN OVER 40 COUNTRIES

through virtual Training of the Trainers Course in COVID-19 Vaccines for health workers, developed by GEM faculty and fellows in partnership with Project HOPE

LETTER FROM OUR DIVISION DIRECTOR – Adam C. Levine, MD, MPH

As 2021 comes to a close, we are all feeling the strain, both personally and professionally, of having served on the frontline of a pandemic for nearly two straight years. We know that many physicians, nurses, and other health workers have transitioned to non-frontline positions or left their profession entirely, straining our emergency care system to the breaking point. As bad as it has been for us here, though, it has been far worse in much of the rest of the world, especially in low resource settings where healthcare systems were already at the breaking point long before this pandemic began.

According to WHO, more than 115,000 heath workers lost their lives to COVID-19 as of May 2021, while health workers in most low-income countries still have not had the opportunity to be vaccinated against the disease. While the poorest countries on the planet still lack access to the PCR testing necessary to demonstrate the true numbers of COVID-19 cases in their populations, the Economist estimates 10-20 million excess deaths since the pandemic began, with the vast majority of these in low and middle-income countries. The strains of the pandemic have been felt in a myriad of ways in these low resource settings, from overwhelmed crematoriums to some of the highest levels of global hunger in decades.

It is in this context that I am especially proud of all the work that our faculty, fellows, residents, and students in Brown Emergency Medicine’s Division of Global Emergency Medicine (GEM) have been able to accomplish over the past year, despite the strain of the pandemic on their own personal lives. From South Asia to Africa to Latin America, to the US and Europe, our team has contributed to fighting COVID-19 and addressing many other important global challenges, from climate change to the HIV/AIDS pandemic.
This past spring, as the delta variant ripped across South Asia, our GEM fellow Ramu Kharel was on the ground in Nepal, the country with the highest COVID-19 mortality rate at the time, distributing home-based isolation kits and supporting the opening of multiple COVID-19 field hospitals, while also conducting research on emergency department disaster preparedness. Building on the success of our virtual COVID-19 Preparedness and Response Training of the Trainers (TOT) course last year, Stephanie Garbern, Alexis Kearney, and others partnered with the Africa CDC and Project HOPE to roll out a COVID-19 Vaccination TOT across Africa this year, and then extended it to other locations in need of vaccination training including the Philippines, Nepal, Eastern Europe, and Texas. In addition, Grace Wanjiku launched a novel study this year in Nairobi evaluating the effectiveness of ultrasound for diagnosing and managing COVID-19. Our GEM faculty and fellows also contributed heavily to two successful RCTs identifying effective early treatments for COVID-19.

In addition to their work on COVID-19, our team has also been active addressing other global challenges. Adam Aluisio continues his NIH-funded work on connecting young ED trauma victims to HIV testing and treatment in Kenya, while Grace Wanjiku and Austin Lee have worked to develop the first EM training programs in the country. Naz Karim and Kyle Martin have contributed to efforts to improve emergency and pre-hospital care in Rwanda and worldwide through the WHO Basic Emergency Care course and the Stop the Bleed training. Stephanie Garbern led novel NIH, DOD, and Gates-funded studies to develop new mobile health tools for managing acute diarrhea and sepsis in low-resource settings, while Alicia Genisca developed and validated the first clinical score for diagnosing Ebola Virus Disease in children in Africa. Meanwhile Noah Rosenberg finished up his T32 fellowship while our newest GEM fellow, Meagan Barry, began her T32 fellowship, both addressing the hidden epidemics of alcohol use disorder in the global south. Kate Moretti and Alison Hayward, along with others, contributed to innovative new programs and research efforts to address the crisis of global climate change, including contributing heavily to a special issue of the RI Medical Journal this year.

In FY2021, our team made significant contributions to the GEM evidence base, publishing over 120 peer reviewed manuscripts, book chapters, and abstracts. In total, our faculty and fellows currently hold more than 20 active grants, totaling over $12 million in cumulative funding. In addition to their research, they have also become international leaders in global health education, delivering more than 120 lectures, invited presentations, and ground rounds this past year, including several presentations at SAEM, ACEP, and ASTMH. We have also been thrilled to support our residents as they have begun international rotations again, including most recently Nichole Michaeli and Luke Messac. Finally, we are also pleased to welcome our newest class of over 35 GEM Student Interns who are supporting the research and training programs of our faculty and fellows, and helped design this annual report.

As always, we are thankful for the continued support of Brown Emergency Medicine and hope for better days ahead, for all of us.

Sincerely,

[Signature]

Adam C. Levine, MD, MPH, FACEP
Chief, Division of Global Emergency Medicine, Department of Emergency Medicine
CORE FACULTY

**Adam Aluisio, MD, MSc, DTM&H**
Associate Director, Global Emergency Medicine Fellowship

Academic Interests:
Emergency and acute care research and training in LMICs including Rwanda, Kenya, and Haiti

Adam_Aluisio@brown.edu

**Stephanie Chow Garber, MD, MPH, DTM&H**
Global Emergency Medicine Research Coordinator

Academic interests:
Research in humanitarian settings, sepsis and infectious diseases, leveraging technology to overcome resource limitations, decolonization and global health equity

Stephanie_Garber@brown.edu

**Alicia Genisca, MD**
Global Pediatric Emergency Medicine Coordinator

Academic Interests:
Strengthening emergency medical systems in low resource settings, medical education and point of care ultrasound

Alicia_Genisca@brown.edu

**Alison Hayward, MD, MPH**
Global Emergency Medicine Education Coordinator

Academic Interests:
Global medical education, freely accessible medical education via social media, and community public health programming

Alison.Hayward@brownphysicians.org
Naz Karim, MD, MHA, MSc, MPH
Director, Global Emergency Medicine Fellowship

Academic Interests: Prehospital and Emergency care in Rwanda, use of technology to advance medical education

Naz_Karim@brown.edu

Alexis Kearney, MD, MPH
Global Emergency Medicine Resident Coordinator

Academic Interests: EM development in Ecuador, outbreak response domestically and abroad

Alexis_Kearney@brown.edu

Adam Levine, MD, MPH, FACEP
Director, Division of Global Emergency Medicine

Academic Interests: Acute care research and training during humanitarian Academic Interests: Acute care research and training during humanitarian emergencies and in resource-limited settings

Adam_Levine@brown.edu

Katelyn Moretti, MD
Climate Change and Healthcare Sustainability Program Coordinator

Academic Interests: The impacts of climate change on vulnerable populations and healthcare sustainability.

Katelyn_Moretti@brown.edu
**Grace Wanjiku, MD**  
Global Ultrasound Coordinator  

Academic Interests: Emergency medicine development in Kenya, Point of care ultrasound in resource limited settings  

Grace_Wanjiku@brown.edu  

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**ASSOCIATE FACULTY**

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**Siraj Amanullah, MD, MPH**  

Academic Interests: Pediatric emergency medicine, Health Services, Policy and Practice  

Siraj_Amanullah@brown.edu

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**Mark Brady, MD**  

Academic interests: Biomechanical innovation for low resource settings, ultrasound education, regional analgesia education, military medicine, operational medicine, documentary film making  

Mark_Brady@brown.edu
**Kyle Denison Martin, DO, MA, MPH**  
Academic Interests: Global emergency medicine education and curriculum development, innovative approaches to non-communicable disease management in LMICs  
Kyle_Martinebrown.edu

**John Foggle, MD, MBA**  
Academic Interests: Medical simulation, wilderness medicine, disaster preparedness, trauma management, and international emergency medicine development  
John_Foggle@brown.edu

**Robert Partridge, MD**  
Academic Interests: Global disaster relief, medical care for international travelers and expeditions, trauma education in limited resource settings.  
Robert_Partridge_MD@brown.edu

**Noah Rosenberg, MD**  
Academic Interests: Global health bioethics, alcohol use disorder in Africa, rural and American Indian health  
Noah_Rosenberg@brown.edu
FELLOWS

First Year

Andy Beck, MD

Dr. Beck is a joint fellow between the Divisions of Medical Education and Global Emergency Medicine. He completed medical school at Case Western Reserve University, followed by residency at Brown University. His specific interest is in medical education in the global setting, and he has worked in teaching emergency medicine in Africa and South America. He has thousands of hours of direct teaching experience in one-on-one, classroom, and bedside settings, and is currently working on using medical education to facilitate clinical operational improvement.

Meagan Barry, MD, PhD

Dr. Barry is a fellow in Global Emergency Medicine. She graduated from the Medical Scientist Training Program at Baylor College of Medicine with a PhD in Translational Biology and Molecular Medicine. Her thesis project was to develop a vaccine for Chagas disease using a mouse model of disease. During her training, she completed a Diploma in Tropical Medicine from Baylor College of Medicine and received the Certificate of Knowledge in Clinical Tropical Medicine and Travelers’ Health (CTropMed) from the American Society of Tropical Medicine and Hygiene. She completed her residency in Emergency Medicine at The Warren Alpert Medical School of Brown University as a Brown Residency International/Global Health Training (BRIGHT) scholar and with a Distinction in Research. Her fellowship work investigates the impact of maternal schistosomiasis and hookworm infection on the maternal and infant microbiomes and on resulting infant health outcomes.
FELLOWS

Second Year

Austin Lee, MD, MPH

Dr. J. Austin Lee is a fellow in Global Emergency Medicine at Brown University. He obtained his MPH with a focus in global health from George Washington University and spent several years working on a variety of projects at the Sabin Vaccine Institute focused on neglected tropical infections and typhoid. Dr. Lee attended medical school at Indiana University, and was chief resident in emergency medicine at the University of Virginia. Dr. Lee is primarily interested in growing and strengthening the speciality of emergency medicine in developing contexts, with recent experience focused in Kenya. He has worked in both public health and clinical medicine in a number of different regions around the world.

Ramu Kharel, MD, MPH

Dr. Ramu Kharel is a Global Emergency Medicine Fellow in the Department of Emergency Medicine at Brown University. He completed his emergency medicine residency at Emory University. He went to medical school at UT Southwestern and received his MPH from Harvard University. Dr. Kharel has a focus in health system strengthening and emergency system strengthening in rural settings. His public health focus has been on advancing public education for hand washing. Dr. Kharel also has an interest in disaster response, and has helped rebuild health centers after the Nepal earthquake through a NGO he founded. His current research focus is on strengthening emergency care systems.
CAROLAN FELLOWSHIP

Now in its fifth year, the Tina and Richard V. Carolan fellowship has been an integral part of the Brown GEM division’s partnership with the University Teaching Hospital of Kigali in Rwanda. Carolan Fellows have been current or recent graduates of medical or public health school, and are recruited from a highly competitive international pool of motivated applicants. Fellows spend one year in Kigali Rwanda at the UTH-K supporting the emergency medicine residents in developing clinical research skills, providing peer mentorship in research, and helping build emergency care research capacity in the UTH-K emergency department. Carolan fellows gain a wealth of practical experience working on real-world EM research projects, gain in-depth experience in the Rwandan healthcare system and receive mentorship from UTH-K faculty.

Aly Beeman, MPH
Aly was the 2020-2021 Carolan Rwanda Research Fellow. She obtained her MPH with a focus in global health from Brown University School of Public Health in May of 2020. Aly has previously spent time in South Africa and Peru working on a variety of research projects focusing on HIV and health system building. At the UTH-K, Aly mentored senior emergency medicine residents in research methods and assisted in their thesis projects. Aly also served as a research coordinator to various projects conducted at CHUK, including working with Dr. Noah Rosenberg, Dr. Adam Aluisio, Dr. Kyle Denison Martin, and Dr. Naz Karim. After her fellowship, Aly has continued to live in Kigali, working at YLabs.

Enyonam "Miss'e" Odom, MPH
Enyonam recently completed her Master of Public Health at Brown University School of Public Health. Previously, she spent several years at RTI International as a Research Public Health Analyst. Most recently, she worked for the Rhode Island Department of Health’s COVID-19 Response Unit as an epidemiologist, where she worked closely with hospitals in Rhode Island to respond to disease outbreaks. She has prior experience in sexual and reproductive health, digital health and innovation, and behavioral health research. Enyonam is primarily interested in expanding the use of digital health technologies in sub-Saharan Africa. Currently, she is coordinating and managing emergency medicine studies at the University Teaching Hospital of Kigali alongside residents and faculty.
The Division of Global Emergency Medicine has been at the forefront of the global response to the COVID-19 outbreak, with faculty and fellows leading the development and implementation of a COVID-19 training program for frontline health care workers, public health professionals, and health care leadership to rapidly scale-up response efforts in high-risk countries around the world.

Created and co-led by Dr. Stephanie Garbern and Dr. Alexis Kearney, with courses also taught by Dr. Fogle, Dr. Hayward, and Dr. Kharel, the COVID-19 Vaccine TOT program has been delivered in over 40 countries: Albania; Angola; Bosnia and Herzegovina; Botswana; Bulgaria; Burkina Faso; Burundi; Cameroon; Cape Verde; Comoros; Côte d’Ivoire; DRC; Egypt; Ethiopia; Gambia; Guiné Bissau; Indonesia; Kenya; Liberia; Madagascar; Malawi; Moldova; Mauritania; Mauritius; Montenegro; Namibia; Nepal; Niger; Nigeria; North Macedonia; Philippines; Romania; Senegal; Serbia; Sierra Leone; South Africa; South Sudan; Sudan; Tanzania; Togo; Zambia; Zimbabwe
Project Overview

Building off the successful roll-out of our COVID-19 Training for Health Workers: Preparedness and Response training of trainers program, CHRHS and Project HOPE have partnered again to develop and implement a COVID-19 Vaccine Training for Health Workers. The training was designed to be deployed in multiple low and middle-income country settings where Project Hope and other responding organizations are working rapidly and sustainably to scale up local capacity for COVID-19 vaccine distribution.

Widespread Global Impact

Developed in affiliation with the Center for Human Rights and Humanitarian Studies at the Brown University Watson Institute, the training follows the World Health Organization’s COVID vaccine guidelines. The training provides critical knowledge about the different available vaccines through a blend of online learning modules, materials for in-person trainings, and direct support to health facilities. Participants also learn about the effectiveness and side effects of all the different COVID-19 vaccines, as well as how to overcome vaccine hesitancy and manage vaccine rollout.

Training Deployment: A Global Impact

The initial deployment of the training, which took place between March and June 2021, was done in partnership with the Africa Centres for Disease Control and Prevention (Africa CDC) in support of their vaccination strategy. Through this collaboration with Africa CDC and Project HOPE, the training has been provided to participants across more than 40 countries.

In addition to the African continent, our trainers have also implemented the training in Central and Eastern Europe, Asia, and the Middle East. While developed with a global context in mind, the training is tailored for each specific country setting in which it is delivered and all training materials are frequently updated to ensure the accuracy of the curriculum.
Increased Core Knowledge and Trainee Satisfaction

To examine changes in knowledge, a pre- and post-test assessment was administered to all individuals participating in the training. The assessment is comprised of 17 questions, addressing core competency aspects of each module. Thus far the virtually implemented training has shown an increased knowledge in core competency sets among health providers. Across all countries there has been an 8% average improvement in core knowledge after completing the training.

Level of Training. Participant feedback from all countries on the appropriateness of the level of training provided in the Training-of-Trainers Program

Cascade Approach

Designed as a Training-of-Trainers (TOT) program for widespread replication, participants who have completed the training receive all training materials and are provided with support to train others in their network. In addition to the direct virtual training delivered by Brown University, the training curriculum has also been made available online so that individuals, providers, and health facilities worldwide can freely access the content and quickly benefit from the curriculum.

Online Training Accessibility

COVID-19 Vaccine Training for Health Workers (Disaster Ready)

The primary audience for this e-Learning program are health workers, administrators, and public health professionals seeking a self-paced comprehensive training on COVID-19 vaccines. This online training is an adaptation of our larger developed training-of-trainers curriculum on COVID-19 vaccines and is available through Disaster Ready.
Dr Stephanie Garbern leading training on COVID vaccine communication for Project Hope and Africa CDC

Fellow Dr. Ramu Kharel and former fellow Dr. Sonya Naganathan ('21) during COVID vaccine simulation for Project Hope
Understanding Ebola and COVID-19 in the Democratic Republic of the Congo

The 2018–2020 Ebola virus disease outbreak in the Democratic Republic of the Congo was the second target Ebola virus outbreak in history causing over 3,300 cases and over 2,200 deaths.

Division members (Levine, Garbern, Genisca, Kearney, Aluisio) have worked in conjunction with non-profit humanitarian organization International Medical Corps and the U.S. CDC to conduct several research studies evaluating data collected from patients admitted to Ebola treatment units in North Kivu, as well as evaluating determinants of Ebola and COVID-19 vaccine hesitancy in order to inform current and future responses to Ebola outbreaks.
Research Presentations

Undergraduate student RA *Jasmine Powell* presenting poster on COVID vaccine hesitancy in DRC at the Brown summer research symposium 2021

Interviews conducted with community members by International Medical Corps staff in DRC

Undergraduate student RA *Elizabeth Song* presenting poster on Ebola vaccine hesitancy in DRC at the Brown summer research symposium 2021

Training of International Medical Corps Research Team in North Kivu, DRC
GEM's Focus on Climate Change

The Global Emergency Medicine Division recognizes the negative health impacts of climate change on our local patient population and its disproportionate impact on the patients and communities we work with globally. This year, multiple division members continued to advance climate change research, education and advocacy on a hospital, state and national level. Several of these efforts were featured in the special climate change issue of the Rhode Island Medical Journal. Within our local healthcare system, Dr. Kate Moretti and Dr. Alison Hayward established the Anderson Emergency Department Green Team. With this group, they were able to divert ED waste from the biohazard waste stream to the solid waste stream saving an annual projected 942 tons of CO2 annually. Dr. Kyle Martin and Dr. Kate Moretti were able to complete the second-ever ED waste audit and use results to inform future interventions for reducing ED carbon emissions. In addition, Dr. Martin was able to describe changes to waste produced during the COVID pandemic.

Division partners Medical Students for a Sustainable Future performing a waste audit
Projected carbon savings in the RIH ED after institution of a solid waste stream (above) and sorting waste for the waste audit (right).

On a state level, **Drs. Moretti, Hayward and Martin** along with BEM faculty member Dr. Victoria Leytin continued to lead the RI ACEP climate change and health group, advocating for climate change legislation, including the Act On Climate bill and presenting at the Kent EM conference. In addition, Dr. Aluisio and Dr. Moretti researched the correlation between increasing heat and EMS utilization across the state of Rhode Island.

On a national level, **Dr. Moretti** worked with SAEM to develop a mentorship program for QI and research initiatives looking at the carbon emissions within healthcare systems and created the SAEM 50 State Challenge, an initiative to engage and connect climate researchers, activists and influencers to emergency physicians nationwide. **Dr. Hayward** received a grant from the SAEM Climate Change and Health Interest group to conduct a project encouraging the use of push medications to reduce plastic waste.

They look forward to advancing climate change prevention and mitigation efforts in 2022!
Fellow Dr. Andy Beck has completed the protocol for his study: Implementation of an educational intervention to address DKA management at Kenyatta National Hospital, Nairobi Kenya. IRB approval in process.
Dr. Austin Lee, Dr. Grace Wanjiku, Dr. Adam Aluisio, and Dr. Ramu Kharel published The Status and Future of Emergency Care in the Republic of Kenya in the African Journal of Emergency Medicine.

Field site at the Moi University Teaching and Referral Hospital, in Eldoret, Kenya.

WHO BEC Training in Nairobi Kenya, leaders included Dr. Nichole Michaeli (Brown EM PGY4)
**Dr. Grace Wanjiku** completed the study: *Impact of Point-of-Care Ultrasound in Triage on Diagnosis and Treatment of Trauma Patients in a Resource Limited Setting in East Africa* and launched a study *Effectiveness of Point-of-Care Ultrasound for Diagnosis and Management of COVID-19 in Kenya* which is now in the process of data collection.

Point of care ultrasound training in Ahero County Hospital, Kenya

Research project site with Dr. Aluisio, at the Kenyatta National Hospital, in Nairobi, Kenya

**Dr. Adam Aluisio** has started work on several new research projects in Kenya focused on improving HIV testing and awareness.

- Evaluation of characteristics of HIV testing services in emergency care settings and understand opportunities to improve delivery of testing utilizing adjunctive HIV self-test strategies
- Pilot research on accessing PrEP for HIV knowledge among patients and families seeking emergency care
Resident Dr. Nichole Michaeli successfully completed the first phase of her BRIGHT program project: Evaluation of the World Health Organization (WHO) basic Emergency Care (BEC) Course for Senior Medical Students at the University of Nairobi School of Medicine in October 2021. To organize and teach the course, she worked with Resident Dr. Giovanni Deluca, and Fellows Dr. Andy Beck and Dr. Austin Lee.

Facilitators Dr. Raya Mussa and Dr. Mary Gitau (top left) instruct participants on the placement of pelvic binders.

WHO BEC course instructors (from left to right): Dr. Andrew Beck, Dr. Mary Gitau, Dr. Raya Mussa, Dr. Nichole Michaeli, Dr. Travis Wieland, and Dr. Derick Ochieng
In response to rising COVID-19 cases, Dr Stephanie C. Garbern worked with Project Hope, the Directorate General of Health Services of Bangladesh and Bangladesh non-profit organization Health and Education for All (HAEFA) to create the “Advanced COVID-19 Clinical Management Certification Course.” This course was rolled out in June 2021 and has been disseminated widely to doctors throughout the country to give physicians up-to-date guidance on current treatment recommendations including patients with severe and critical COVID-19. Dr. Adam Levine and Dr. Stephanie Garbern are also leading two NIH funded mobile health studies to improve care for patients with acute diarrhea and children with sepsis in Bangladesh.
Research and Emergency Medicine Development in Rwanda

The Brown Division of Global EM has had a long-standing collaboration with the Emergency Medicine residency program at the University Teaching Hospital of Kigali (UTH-K) in Rwanda as part of Rwanda’s Human Resources for Health program (2012–2019). The residency program has graduated three classes of the first emergency medicine specialists in the country. Division faculty have continued to be invited by the Rwandan faculty and leadership to support the residents in obtaining a rigorous and well-rounded education in emergency medicine.

PGY-4 residents meet with Dr. Vincent Ndebwanimana, EM Program Director, for encouragement before their practical exams.

Faculty and residents of UTH-K with 2020–2021 Carolan Fellow Aly Beeman.
Dr. Kyle Martin conducted a Stop the Bleed training-of-trainers course in Rwanda in conjunction with Healthy People Rwanda (HPR) and the Rwandan Emergency Care Association (RECA). A total of 62 participants were trained as instructors in basic hemorrhage control skills in trauma. Trainings took place in Kigali as well as Butare, Rwanda.

Participants practicing skills during Stop the Bleed course (above). Dr. Kyle Martin with the Stop the Bleed course participants in Rwanda (right).
The faculty of UTH-K have also partnered with the GEM division’s faculty, fellows and residents to support the education of Brown Emergency medicine residents and fellows, collaborating on multiple research projects as well as the roll-out of the WHO Basic Emergency Care course.

Senior faculty and guest examiners after completing final exams for PGY-4 residents.

Dr. Regis Twagirumukiza presents his Master of Medicine in Emergency Medicine thesis project at UTH-K.
Faculty and examiners prepare for practical exams (left). Below Dr. Pascal Mugemuang, a PGY-4 resident, presents his MMed thesis project to CHUK faculty during final exam week.

Several current research projects being conducted by Dr. Adam Aluisio, Dr. Stephanie Garbern, and multiple GEM interns include:

- **Assessment of prognostic utility of the ETAT in pediatric emergency care patients**
- **Factors Associated with HIV Testing Among Patients Seeking Emergent Injury Care in Kigali, Rwanda**
- **Applying a gender lens to persons with injuries at a tertiary care emergency department in Kigali, Rwanda**
- **Impact of the COVID-19 Pandemic on Injury Characteristics Treatments and Outcomes for Brain and Spine Trauma Patients in Kigali, Rwanda**
- **Pilot evaluation of the World Health Organization Disability Assessment Schedule (WHODAS) among persons with Injuries in Rwanda.**
GRANT FUNDING

**Adam R. Aluisio, MD, MSc, DTMH**

- Brown Physicians, Inc.
  Total Funding: $50,000
  Role: Principal Investigator (funding period: 10/2021-03/2023)

- National Institutes of Health, National Institute of Allergy and Infectious Disease
  HIV in Injury: eValuation of Self-Testing in African Emergency Care for the Injured (HIV AECI)
  Grant Number: K23AI145411
  Total Funding: $973,375
  Role: Principal Investigator (funding period: 03/2020-02/2025)

- National Institutes of Health, Loan Repayment Program, National Institute of Allergy and Infectious Disease.
  Total Funding: $100,000
  Role: Recipient (funding period: 07/2020 - 06/2022)

- Brown Physicians Inc.
  Impacts of Red Blood Cell Transfusion Therapies on Outcomes in Acutely Injured Patients in a Low-Income Setting of Kigali, Rwanda: A Prospective Cohort Study. (PI Aluisio)
  Total Funding: $49,605
  Role: Principal Investigator (funding period: 07/2019 - 12/2020, no cost extension through 12/2021)

- Brown Emergency Medicine, Research Development Grant
  Impact of Anemia on Injured Patients in Rwanda: A Prospective Cohort Study. (PI Aluisio)
  Total Funding: $59,912
  Role: Principal Investigator (funding period: 07/2019 - 12/2020, no cost extension through 12/2021)

**Mark Brady, MD, MPH**

- NIH Small Business Innovation and Research Grant
  Safe Artificial Ventilation: Demonstrating Utility of Teaching Materials for the SafeBVM Device
  Role: Primary Investigator, $116,000 Direct Costs

- Pending Review:
  NIH Small Business Innovation and Research Grant
  Phase II Study of the SafeBVM Device to Prevent Stomach Insufflation During Manual Ventilation
  Role: Co-Primary Investigator with the Department of Anesthesia, $1.6 million Direct and Indirect Costs
GRANT FUNDING

Stephanie Garbern, MD, MPH, DTMH

- United States Centers for Disease Control and Prevention
  Global Emergency Response and Recovery Partner Engagement: Expanding Efforts and Strategies to Improve Rapid Response to Public Health Emergencies Globally
  Grant Number: NU2GGH002058
  Role: Consultant

- NIH/Fogarty International Center
  Development of a Mobile Health Personalized Physiologic Analytics Tool for Pediatric Patients with Sepsis
  Role: Co-Investigator, $884,825 total direct costs

- NIH/National Institutes of Allergy and Infectious Disease/Fogarty International Center
  NIH Loan Repayment Program
  Developing Mobile Health Tools to Improve the Care of Patients with Acute Diarrhea in LMICs
  Role: Principal Investigator, $90,000 award

- Henry M. Jackson Foundation / Department of Defense Naval Medical Logistics Command
  Austere Environments Consortium for Enhanced Sepsis Outcomes: An Observational Study of Sepsis
  Role: Consultant, $45,000

- Brown Physicians, Inc.
  Development and Implementation of a Global Health Education Curriculum for Equity, Anti-Racism and Decolonization
  Role: Principal Investigator, 10/1/21 - 3/23/23, $12,500

Alicia Genisca, MD

- Brown Physicians Inc.
  Minority Faculty Career Development Grant

Alison Hayward, MD, MPH

- SAEM - Climate Change And Health Interest Group Small Project Grant: Push for Push Medications
  Amount of grant: $250
  Project period: 06/2021-12/2021

Naz Karim, MD

- United States Department of Defense
  Convalescent Plasma to Stem Coronavirus: A Randomized Controlled Double Blinded Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma versus control among Adults Exposed to COVID-19 (PI: Shoham)

  Convalescent Plasma to Limit Coronavirus Associated Complications: A Randomized, Double-Blind, Controlled, Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma versus Control Plasma Among Outpatients with Symptomatic COVID-19 (PI: Sullivan) Grant Number: W911QY2090012
  Role: Sub-Investigator
GRANT FUNDING

Alexis Kearney, MD, MPH
• Project Hope: COVID-19 Training for Health Workers: Preparedness and Response, COVID-19 Vaccine Training
  Role: Consultant, $20,000

Adam Levine, MD, MPH
• NIH Fogarty International Center  08/2021-05/2023
  Development of a Mobile Health Personalized Physiologic Analytics Tool for Pediatric Patients with Sepsis
  Grant Number: R21TW012211
  Role: Principal Investigator, $884,825 total direct costs

• NIH National Institute of Diabetes and Digestive and Kidney Diseases 09/2018-06/2023
  Development of a novel mobile health tool for age-specific dehydration assessment and management in patients with diarrheal disease
  Grant Number: R01DKI16163
  Role: Principal Investigator, $2,809,435 total costs

• United States Centers for Disease Control and Prevention  06/2017-06/2022
  Global Emergency Response and Recovery Partner Engagement: Expanding Efforts and Strategies to Improve Rapid Response to Public Health Emergencies Globally
  Grant Number: NU2GGH002058
  Role: Principal Investigator, $3,821,055 total costs

  Civilian–Military Interaction in Conflicts: Best Practices and Perceptions
  Grant Number: SAPP0048493
  Role: Principal Investigator, $299,978 total costs

• Project HOPE, the People-to-People Health Foundation, Inc.  04/2020-12/2021
  Global Training of the Trainers for COVID-19 Preparedness and Response
  Role: Project Director, $503,670 total costs

• United States Department of Defense  06/2020-05/2021
  Convalescent Plasma Randomized Clinical Trials for Early COVID-19 Treatment are Foundational for Subsequent Hyperimmune Globulin and Vaccines (PI: Sullivan)
  Grant Number: W911QY2090012
  Role: Site-Principal Investigator, $1,638,536 total subaward costs

• Regeneron Pharmaceuticals  09/2020-08/2021
  A Master Protocol Assessing the Safety, Tolerability, and Efficacy of Anti-Spike (S) SARS-CoV-2 Monoclonal Antibodies for the Treatment of Ambulatory Patients with COVID-19
  Grant Number: R10933-10987-COV-2067
  Role: Sub-Investigator
GRANT FUNDING

Adam Levine, MD, MPH (continued)
• American Jewish World Service 01/2021-04/2022
  Public action and the pandemic: the role of civil society in shaping state responses
  Role: Primary Investigator, $59,751 total costs

Kyle Martin, DO
• Center for Human Rights and Humanitarian Studies (CHRHS) Training Seed Grant
  A Training of Trainers Course for Hemorrhage Control in Traumatic Injury
  The Watson Institute for International & Public Affairs
  Brown University
  Role: Project Leader
  Total Award: $970

  • Robert K. Pederson Global Outreach Grant
    A Training of Trainers Course for Hemorrhage Control in Traumatic Injury
    The PA Foundation
    Role: Project Co-Leader (w Chelsea Lacasse, PA-C)
    Total Award: $10,000

  • Provost Innovation Grant
    Stop the Bleed: Trainings for Hemorrhage Control in Traumatic Injury
    Johnson & Wales University
    Role: Project Co-Leader (w Ashley Hughes, PA-C)
    Total Award: $13,000

Katelyn Moretti, MD
• United States Department of Defense 06/2020-05/2021
  Convalescent Plasma to Stem Coronavirus: A Randomized Controlled Double Blinded Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma versus control among Adults Exposed to COVID-19 (PI: Shoham)
  Convalescent Plasma to Limit Coronavirus Associated Complications: A Randomized, Double-Blind, Controlled, Phase 2 Study Comparing the Efficacy and Safety of Human Coronavirus Immune Plasma versus Control Plasma Among Outpatients with Symptomatic COVID-19 (PI: Sullivan)
  Grant Number: W911QY2090012
  Role: Sub-Investigator, $829,855 total subaward costs

• Regeneron Pharmaceuticals 09/2020-08/2021
  A Master Protocol Assessing the Safety, Tolerability, and Efficacy of Anti-Spike (S) SARS-CoV-2 Monoclonal Antibodies for the Treatment of Ambulatory Patients with COVID-19
  Grant Number: R10933-10987-COV-2067
  Role: Sub-Investigator
GRANT FUNDING

Noah Rosenberg, MD, MPH
• Rhode Island Foundation, Medical Research Grant, #7141730
  January 2020 – July 2021
Data collection (614 participants) concluded and analysis for publication in process

Grace Wanjiku, MD, MPH
• Carnegie African Diaspora Alumnae Fellowship 03/2020–03/2021
  Curriculum development for a Masters of Emergency Medicine, Aga Khan University Hospital, Nairobi Kenya (AKUHN). Collaborative project between Grace Wanjiku (MD) Brown University and Benjamin Wachira MMED

• Kenyatta National Hospital/ University of Nairobi Research Funding 09/2020-09/2021.
  Effectiveness of point-of-care ultrasound for diagnosis and management of COVID-19 in Kenya
  Role: Co-Investigator
  Total Costs: $10,000

Andrew Beck, MD
• Brown Emergency Medicine
  Research Grant for Development of a Novel, 3D Printable Laryngoscope
  Value: $2,000
  Role: Co-Investigator

Ramu Kharel, MD, MPH
• CHRHS, Watson Institute, Brown University
  Hospital Emergency Care Assessment with Focus on Disaster and Outbreak Preparedness
  Research Seed Grant, Amount: $3,000
  Role: Principal Investigator (Funding period: 9/2020-8/2021)

• CHRHS, Watson Institute, Brown University
  Nepal “Journathan” for COVID 19 Solutions
  Training Seed Grant, Amount $1000
  Role: Co-Principal Investigator (Funding period: 9/2020-4/2021)

Dr. Ramu Kharel helping to assemble home isolation kits in Nepal (left) and at a rural municipality visit to discuss home management of COVID-19 and distribute home isolation kits (right).
PUBLICATIONS

Peer-reviewed


PUBLICATIONS


Drs. John Foggle, Ramu Kharel, and Stephanie Garbern presenting on COVID-19 vaccines for Philippine Disaster Resilience Foundation

Dr. Ramu Kharel leading training at Kathmandu’s largest isolation/field hospital
PUBLICATIONS

Book-Chapters


Non-Peer Reviewed

• Kharel, R., The Record Nepal: Fear not the COVID vaccines. December 30, 2020
• Kharel, R., The Record Nepal: An appeal for better equipped emergency workforce. April 25, 2021
• Lee, JA. Out of Proportion: Acute Leg Pain. International Emergency Medicine Education Project (iEM). 18 October2021
• Lee, JA. 2019 ACEP International Ambassador Country Reports. Co-Lead for Compilation and Formatting. March 2021
• Lee, JA. Local Anesthetic Toxicity (LAST). International Emergency Medicine Education Project (iEM. 23 November 2020


CONFERENCE ABSTRACTS


32. Marlink M, Wong K, Martin KD. “Patient Characteristics and Care Provided as Part of a Community Health Worker Program for Management of Hypertension in Rural Haiti.” Presented at the Summer Research Symposium, Brown University, on August 5, 2021.


34. Moretti, K, Rublee C, Robison L, Sudhir A “Survey of Emergency Medicine Program Directors’ Attitudes Towards Climate Change and Sustainability” SAEM; virtual 2021


INVITED PRESENTATIONS

Adam R. Aluisio, MD, MSc, DTMH
National
- Global Emergency Medicine Academy / Society for Academic Emergency Medicine, Virtual Meeting, 2021. “How to build research into your global emergency portfolio”.

International
- National Grand Rounds Lecture Series, University of Nairobi / Kenyatta National Hospital, Nairobi Kenya. 31 March 2021. “International Perspectives and Best Practices in Emergency Care”.

John Foggle, MD
- PDRF (Philippine Disaster Resilience Foundation) and Brown University, Webinar Lead Speaker, “Bridges and Barriers in Vaccine Deployment: Lessons Learned and Practical Applications”, March 12, 2021.
- PDRF (Philippine Disaster Resilience Foundation) and Brown University, Webinar Lead Speaker, “Risk Communications and the Road to Pandemic Recovery”, June 3, 2021.
- Lecturer, Hadhramout Health Organization Medical Training Program (HHO - MTP), Yemen, as part of a monthly series of lectures via zoom, since August 2021.
- Simulation Instructor, “Chest Pain with Syncope”, at Simulation Workshop in Emergency Services, Uludag University, Bursa, Turkey, September 25, 2021.
- Simulation Instructor, “Altered and Confused”, at Simulation Workshop in Emergency Services, Uludag University, Bursa, Turkey, September 25, 2021.

Stephanie Chow Garbern, MD, MPH, DTMH
International
- Bangladesh Advanced COVID-19 Clinical Management Course. Creator and Course Instructor of Bangladesh’s national virtual course on advanced COVID-19 clinical management in conjunction with Project Hope and the Directorate General of Health Services Bangladesh.

National
- “Recognizing Our past: Building an Anti-Colonial Agenda for Global Emergency Medicine.” SAEM21 National Conference (Virtual)

Local
INVITED PRESENTATIONS

Alicia Genisca, MD

Naz Karim, MD

Alexis Kearney, MD, MPH

International

Local

Adam Levine, MD

Local

National

International

Kyle Martin, DO
- “Waste Not, Want Not: Quantity and Characteristics of Waste at a Community Hospital Emergency Department.” New England Regional Meeting of SAEM (NERDs) and the Annual Meeting of the Society for Academic Emergency Medicine (SAEM)
- “Impact of an Interhospital Emergency Department Transfer Intervention on Patient Safety.” NERDs; SAEM; and the International Conference on Emergency Medicine (ICEM)
INVITED PRESENTATIONS

Katelyn Moretti, MD
- April 2021. SAEM Climate Change and Health Group “Global Collaboration for a Healthy Environment”

Robert Partridge, MD, MPH
- “Introduction to Trauma” Hadhramout (Tele) Health Days. Virtual in Seyyun, Yemen, August 21, 2021

Noah Rosenberg, MD, MPH

Grace Wanjiku, MD, MPH
National
- POCUS with a Global Focus. 4th Live Vave EduCast. 01/2021.

International

Andrew Beck, MD
International
- “Procedural Sedation” CHUK Emergency Medicine Residency Conference, Rwanda, 2021
- “Acute Headache in the ED” CHUK Emergency Medicine Residency Conference, Rwanda, 2021
- “Mechanical Ventilation” CHUK Emergency Medicine Residency Conference, Rwanda, 2021

National
- “Are Multiple Choice Questions Failing our Students and Patients?” Brown University, Medical Education Conference, November 2021.
- “Motivation in Medical Education.” Brown University, Department of Emergency Medicine, Grand Rounds, February 2021.

Ramu Kharel, MD
- Emory Department of Emergency Medicine, Global Health Guest, 2021. “Updates from Nepal”
INVITED PRESENTATIONS

Ramu Kharel (continued)

*International*

- American College of Medical Toxicology COVID Webinar, 2020, Virtual. “Nepal in the context of COVID 19”
- Philippines Disaster Relief Foundation, 2021, Virtual. “Bridges and Barriers in Vaccine Deployment”
- Kirtipur Burn Hospital, 2021, Kathmandu, Nepal. “Burn Care in Emergency Setting”
- King’s College, 2021, Kathmandu, Nepal. “How to support healthcare workers?”
- Manang Care Group, 2021, Virtual. “How to take care of mild COVID 19 cases at home?”
- American College of Medical Toxicology COVID Webinar, 2021, Virtual. “Frontline Update from Nepal”
- Nepal Rising, 2021, Virtual. “Stories from the Ground”
- Nepalese American Psychiatric Association, 2021, “Mental Health Access for All”

**Austin Lee, MD**

- Oceanic Toxicology and Wilderness Medicine. Aga Khan University Nairobi, EM Training Program. Sept 2021
- Seizures. Aga Khan University Nairobi, Emergency Medicine Training Program. August 2021
- Oral Board Preparation Examiner. Brown EM Resident Education September 2021
- Simulation Day Facilitator. Brown EM Resident Education. April 2021
- Course Facilitator. Emergency Medicine Kenya Foundation, Emergency Care Course March 2021
- Medical Student Emergency Medicine Rounds and Didactics. Moi University (Kenya). Feb - Mar 2021
TEACHING

Adam R. Aluisio, MD
• Invited Lecturer: “Dynamic Approaches for Partnerships and Collaborations in Global Emergency Care Research and Response”
  PHP 2710: Interdisciplinary Perspectives on Disability and Death in the Global South.
  2-hour interactive session with ~30 students.
  Brown University School of Public Health

• Webinar Training Program: “COVID-19 Training for Health Workers: Preparedness and Response”
  The Center for Human Rights and Humanitarian Studies at the Watson Institute of Brown University & Project HOPE®
  Global implementation in 50 countries training >15,000 trainers-of-trainers

Mark Brady, MD
• Mentees: Alexander Homer and Viknesh Kasthuri (PLME Students)
• Mentoring Role: Mentored the creation of a Medical Malpractice documentary project, shot 10 hours of interviews recorded, ~25 hours of virtual interviews, summer research grant for Alex

John Foggie, MD, MBA
• Course designer and lecturer for Brown University undergraduate senior seminar, entitled “Wilderness, Disasters, and Global Health”. Meet 2-1/2 hours weekly. Teach a 14-session elective course to 15 students.
  Fall 2020 and 2021. (The 5-week global health module starts in late-October.)
• Visiting Professor at the Netter School of Medicine at Quinnipiac University. Teach a weekly 2-1/2 hour fall semester seminar, a 14-week elective course, to twelve 2nd-year medical students, entitled “Wilderness, Disasters, and Global Health: Emergency Medicine in Limited Resource Environments”. Teach each Fall since 2018. (The 5-week global health module starts in late-October every year.)

Minneapolis, MN May 2021 Photo Shoot for Block Party Regional Analgesia Book.
Course participants in Stop the Bleed Training in Rwanda
**TEACHING**

**Stephanie Garbern, MD, MPH, DTMH**
- Faculty Co-Lead. ACEP International Global Emergency Medicine Student Leadership Program (GEMS-LP). Faculty lead for medical students in year-long program for mentorship in global EM careers.
- Course Creator and Instructor. Bangladesh “Advanced COVID-19 Clinical Management Course”. Created and led national virtual course on advanced COVID-19 clinical management in conjunction with Project Hope and the Directorate General of Health Services Bangladesh.
- Project Hope/Center for Human Rights and Humanitarian Studies, COVID-19 Vaccines Training of Trainers Curriculum Co-Creator and Co-Lead Faculty Trainer (over 40 countries)
- Carolan Rwanda Research Fellowship Director, 2020–21
  - Fellow: Alyssa Beeman, Brown University MPH Graduate ‘20
- Carolan Rwanda Research Fellowship Director, 2021–
  - Fellow: Enyomam “Miss’e” Odoom, Brown University MPH Graduate ‘21
- Global Emergency Medicine Internship Program Director, 2019–
  - Internship Director for over 30 undergraduate, graduate student and medical student interns from Brown University and external academic institutions
- Mentor, CDC / Fergusn RISE Fellowship, MCHC/RISE-UP, and MCH-LEARN Mentors
  - Mentee: Bailey Glenn
- MPH Thesis Advisor (Nour Elshabassi), Brown University School of Public Health
  - Thesis: “Understanding Resource Availability and Clinician Perspectives on Acute Diarrhea Management Across Healthcare Facilities in Bangladesh”
- Summer Research Assistantship, Brown University
  - Mentees: Elizabeth Song and Jasmine Powell
  - Ebola and COVID-19 Vaccine Hesitancy in the Democratic Republic of the Congo
- Brown GEM Division Educational Conference
  - "Decolonizing Global Emergency Medicine" April 2021

**Alicia Genisca, MD**
- Brown Basic Emergency Care Course: prepared faculty, residents and medical students to teach the first Basic Emergency Care Course in Kenya. 2021
- Project Hope COVID 19 Vaccine Modules

**Alison Hayward, MD**
- Project Hope, Instructor in a Train the Trainers course bringing COVID-19 education to greater than 1,000 healthcare workers in more than 50 countries. March 2020–present. Assisted in development and teaching of new and ongoing Project Hope course on COVID-19 vaccines.
- “Introduction to Toxicology” for CHUK Emergency Medicine Residency, via tele-teaching virtual lecture.
- “Malaria” for CHUK Emergency Medicine Residency, via tele-teaching virtual lecture.
- Society for Academic Emergency Medicine, webinar panelist. “Global Collaboration for a Healthy Environment” March 2021
TEACHING

Naz Karim, MD
- Emergency Medical Systems. Undergraduate course at Brown University.
- WHO Basic Emergency Care Course, Sock Part II, Taught virtually to Kenyan students.
- Department of Emergency Medicine: Doc to Disposition
- Division of Global Emergency Medicine, “Drugs in Extreme Environments”
- WHO BEC TOT course. “Introduction to BEC”
- Project Hope “COVID-19 Surveillance” and “COVID-19 Screening and Triage: (Kenya, Nepal, India)
  - “The Four C’s of Emergency Medicine: Competence, Consent, Coercion and Compliance” “Home is Where the Hurt is: Interpersonal Violence and Sexual Assault in America”
  - “Live Fast Die Young: Trauma in the 21st Century”
  - “The Opiate Epidemic”

Alexis Kearney, MD, MPH
- Project Hope/Center for Human Rights and Humanitarian Studies, COVID-19 Vaccines Training of Trainers Curriculum Co-Creator and Co-Lead Faculty Trainer (over 40 countries)
- Mentor, The Emerging Infectious Diseases Scholar Program, Brown University
  - Mentee: Neil Rupani
  - Project: Impact of vaccination against Ebola Virus Disease on morbidity and mortality in DRC
- Academic Track Leader for Global Health, Department of Emergency Medicine, The Warren Alpert Medical School of Brown University
- Faculty Advisor, BRIGHT Pathway for Global Health, The Warren Alpert Medical School of Brown University

Adam Levine, MD, MPH
- Course Director, PHP 1802S/DEV 1802S: Human Security and Humanitarian Response, Brown University School of Public Health, Annually, 2016-present, average class size: 40
- Course Lecturer, POLS 0400: Introduction to International Relations, “Complex Humanitarian Emergencies.” Brown University, 2021, class size: 114
- Course Lecturer, IAPA 1803: Humanitarian Response in Modern Conflict, “Complex Humanitarian Emergencies.” Brown University, 2020, class size: 30

Noah Rosenberg, MD
- International Medical Corps. Lecturer. “Continuity for Essential Health Services Training” and “Healthcare Facility Management for Emerging Infectious Diseases” Multiple, February 2020-2021.

Grace Wanjiku, MD
- Derrick Ochieng, MB ChB Candidate 2021, University of Nairobi School of Medicine
  Summer 2020-
  Project: Evaluation of the World Health Organization (WHO) Basic Emergency Care (BEC) Course for Senior Medical Students at the University of Nairobi School of Medicine
TEACHING

- Mary Gitau: MB ChB Candidate 2021, University of Nairobi School of Medicine
  Summer 2020-
  Project: Evaluation of the World Health Organization (WHO) Basic Emergency Care (BEC) Course for Senior Medical Students at the University of Nairobi School of Medicine

Residents
  Project: Evaluation of the World Health Organization (WHO) Basic Emergency Care (BEC) Course for Senior Medical Students at the University of Nairobi School of Medicine
  Funding: Framework in Global Health Award, Warren Alpert Medical School of Brown University $ 3,500
- Giovanna Deluca MD, Emergency Medicine resident, Brown Emergency Residency Program
  Project: Evaluation of the World Health Organization (WHO) Basic Emergency Care (BEC) Course for Senior Medical Students at the University of Nairobi School of Medicine

Fellow
- Andrew Beck MD, Fellow, Division of Global Emergency Medicine/ Division of Education Department of Emergency Medicine, Warren Alpert Medical school of Brown University
  Project: Implementation of an educational intervention to address DKA management at Kenyatta National Hospital, Nairobi Kenya

Andrew Beck, MD
- “Central Line Placement, Microskills, and Complications” Brown Emergency Medicine Residency Program, July 2020
- “Types of Shock: Diagnosis and Management.” Aga Khan University Hospital, Diploma Program in Emergency Medicine, Nairobi, Kenya. November 2020.
- WHO Basic Emergency Care Course, Kenya Medical Training College, October 2021.

Dr. Partridge with US HHS Trauma and Critical Care Team providing medical support at the 59th Presidential Inauguration, Washington, DC, January 20, 2021.

Dr. Brady at the Field Hospital Fort Devens, MA June 2021.
AWARDS & RECOGNITIONS

Mark Brady, MD, MPH
• Rhode Island Medical Society’s 4 under 40 Awards for 2020–2021.
• Dying in Your Mother’s Arms (Documentary)- Producer, Videographer- Independent documentary about pediatric palliative end-of-life care in Detroit shot over four years. Featured on NYTimes OpDocs 8/11/2020 https://nyti.ms/3gPcXc2
  ○ Palm Springs International Film Society ShortFest Local Jury Award 2021 https://psfilmfest.org/2021-shortfest/film-finder/dying-in-your-mothers-arms
• Navy Sharpshooter M4 Rifle Qualification.
• Navy Humanitarian Service Medal for Medical Support of COVID19 Federal Response to New York City (Queens, Elmhurst Hospital).

Naz Karim, MD
• SAEM 2021 Global Emergency Medicine Academy Emergency Medicine Globalization and Advancement Award
• Department of Emergency Medicine Foundation Leadership award
• Miriam Gold Recognition
• Nominated for the SAEM-AEUS Top 2 International Research Manuscript for her article “Covid 19 Pandemic Prompts a Paradigm Shift in Global Emergency Medicine: Multidirectional Education and Remote Collaboration”.

Kyle Martin, DO
• RI ACEP Award for Educational Excellence, Rhode Island Chapter, American College of Emergency Physicians

Andrew Beck, MD
• Daniel L. Savitt Resident Teaching Award. In recognition of excellence as an educator, peer, and role model to our emergency medicine residents. June 2021.

Ramu Karel, MD
• Citizenship award, ACEP ambassador program, 2021

Fellows Drs.
Beck, Barry, Lee,
and Kharel in
Providence
MANY THANKS TO OUR 2020-21

STUDENT INTERNS

ALISHIA ZYER
ALISON M VEINTIMILLA
AMBER YILDIZEL
AMIRA GEE
ANANYA SURAM
ASMAA ELBENNI
BENJAMIN GALLO MARIN
BROOKE SKINNER
CALEB BRODIE
DAVID WIEGN
ELIZABETH SONG
EMILY YAMRON
GABRIELA GIL
GERSANDRE GONSALVES-DOMOND
JASMINE POWELL
JESSICA MURPHY
JOSEPHA CABRERA
JULIA MCGIRR
JULIANNE KIM
KEYANA ZAHIRI
LYNDSEY ARMES
MARCELO PAIVA
MARIA ISABEL DIAZ
MOYINOLUWA ADENIJI
NATASHA VICTORIA SELISKI
NEIL RUPANI

NIDHI CHILLARA
NOUR ELSHABASSI
OLIVER TANG
PHILLIP YANG
RAINHA ZHANG
RYAN LEONE
SAMIKO KARNEKAR
SARAH GRILL
SPANDANA JARMALE
SPENCER DARVEAU
SURAYA ORTIZ
TANIA SAWAYA

STUDENT CONTRIBUTIONS:

• Data analysis
• Manuscript writing
• Grant writing
• Foreign language translation
• Curriculum development
• Project management
• Scientific presentation
• Communications and social media