THE 2ND ANNUAL TRISTATE REGIONAL SIMULATION SYMPOSIUM

COURSE AGENDA

THEME: *THE EVOLUTION OF HEALTHCARE SIMULATION*

SEPTEMBER 21 2018

8:00 AM – 5:00 PM

Networking Reception at 5 PM—6 PM

**September 17-21
Celebrating Healthcare
Simulation Week**

@HcSimWeek
ssih.org/HcSimWeek
#HcSimWeek18

HEALTHCARE SIMULATION WEEK 2018
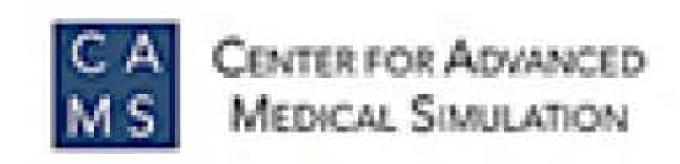
SSH
Society for Simulation in Healthcare

**Center for Advanced Medical Simulation (CAMS)
Mount Sinai West-Mount Sinai St. Luke's Hospitals
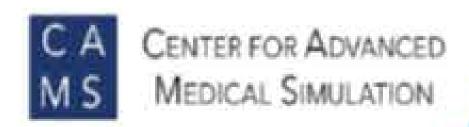1000 Tenth Avenue, Suite 8– 84 A
New York, NY 10019
212-523-8985**

THE 2ND ANNUAL TRISTATE REGIONAL SIMULATION SYMPOSIUM

PROGRAM DESCRIPTION

The 2018 Tristate Regional Simulation Symposium is an all-day gathering of the community of simulation leaders, researchers, scholars, educators, learners, and enthusiasts locally and visiting international colleagues in the tristate region. This year's celebratory theme is *Evolution of Healthcare Simulation* with content categories that include:

1. Innovative simulation programs

2. Simulation spotlight highlighting trailblazing features of simulation centers and;

3. Vision for the future of ever more immersive simulation modalities and technology - virtual reality (VR), augmented reality (AR), 3D printing, computer based simulation, gaming, mobile-based simulation, and more.

Podium presentation, demonstrations, breakout sessions, and simwars will be used for participatory engagement and immersive experiences. The symposium coincides with the Society for Simulation in Healthcare's (SSH) 2nd annual world-wide celebration of simulation week. The sweetest celebration is bringing us together, enjoying the company of our peers, simulation industries, friends, and special networking opportunities.

PROGRAM OBJECTIVES

At the conclusion of the activity, the participants will be able to:

- Integrate the right simulation-based education modalities in advancing patient safety and knowledgeable care.
- Use interprofessional simulation-based education in improving systems performance and outcomes.
- Demonstrate an understanding of the applications of simulation in healthcare.

TARGET AUDIENCE

Simulation in healthcare leaders, researchers, scholars, educators, learners, enthusiasts, and friends, Healthcare Administrators, Policy Decision Makers, and Stakeholders

ACCREDITATION

The Icahn School of Medicine at Mount Sinai is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Icahn School of Medicine at Mount Sinai designates this live activity for a maximum of 6.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CEU's are available to RNs and Allied Healthcare Professionals provided by Mount Sinai Phillips School of Nursing; This continuing nursing education activity was approved by the Alabama State Nurses Association an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

FACULTY DISCLOSURE

It is the policy of Icahn School of Medicine at Mount Sinai to ensure objectivity, balance, independence, transparency, and scientific rigor in all CME-sponsored educational activities. All faculty participating in the planning or implementation of a sponsored activity are expected to disclose to the audience any relevant financial relationships and to assist in resolving any conflict of interest that may arise from the relationship. Presenters must also make a meaningful disclosure to the audience of their discussions of unlabeled or unapproved drugs or devices. This information will be available as part of the course material.

The following faculty/planners have reported that they have No Financial Relationship to Disclose

2018 Planning Committee
Center for Advanced Medical Simulation (CAMS) Faculty, Mount Sinai West & Mount Sinai St. Luke's

Joseph P. Mathew, MD, Co-Chair, Medical Director, CAMS; Pulmonary & Critical Care Medicine
Priscilla V. Loanzon, EdD, RN, CHSE, Co-Chair, Director of Simulation Education, CAMS
Susannah Kurtz, MD, CHSE, Critical Care Medicine, Co-Director, Simulation Fellowship
Joshua McHugh, MD, Emergency Medicine, Co-Director, Simulation Fellowship
Keith Rose, MD, Associate Director, CAMS, Director ICU Mount Sinai West
Andre Sotelo, MD, Associate Director, CAMS, Pulmonary & Critical Care
James Salonia, MD, Simulation Faculty, Pulmonary & Critical Care
Di Pan, MD, Simulation Fellow, CAMS; Attending, Division of Hospitalist Medicine
Nick Pakzad, MD, Simulation Fellow, Pulmonary & Critical Care
Barbara Sierra, BS, CAMS Senior Simulation Specialist

Gabriella Bambrick-Santoyo, MD, Director, Simulation Center, Mountainside Hospital, Hackensack-Meridian, NJ
Kellie Bryant, RN, DNP, CHSE, Executive Director of Simulation, Columbia University School of Nursing, NY
Elizabeth Horsley, MS, RN, CHSE, Director of Simulation, The Brooklyn Hospital Center, NY
Jared Kutzin, DNP, RN, Kutzin Consulting Group, NY
Adam Levine, MD, Professor of Anesthesiology, Perioperative & Pain Medicine, Otolaryngology, & Pharmacological Sciences, Icahn School of Medicine at Mount Sinai, NY
Sonali Mantoo, MD, Assistant Professor of Medicine, Simulation Educator, Harlem Hospital, NY
Patricia Myers, MS, MT, CHSE, Director, Interprofessional Center for Healthcare Simulation, Pace University, NY
Christopher Strother, MD, Director, Undergraduate Simulation & EMSTAR Center, Mount Sinai Hospital, NY

Course Directors:
Joseph P. Mathew, MD   **Priscilla V. Loanzon, EdD, CHSE**

Plenary Speakers:
Daniel Raemer, PhD   **Steven Feiner, PhD**

Faculty:

Anthony Andriotis, MD	**Bryan Mahoney, MD**
Marc Auerbach, MD, MSC, FAAP	**Joshua McHugh, MD**
Gabriela Bambrick-Santoyo, MD	**Zach Milligan, BS**
Elvera L Baron, MD, PhD	**Jessica Montanaro, BSN, RN**
Peter Bernstein, MD, MPH	**Bashar Mourad, DO**
Ambika Bhatnagar, MBBS	**Patricia Myers, MS, MT (ASCP), CHSE**
Cynthia Boado, MS, RN-BC	**Nick Pakzad, MD**
Kellie Bryant, DNP, CHSE	**Timothy Palmieri, MD**
Aga DeCastro, MD, MPH	**Di Pan, DO**
Nubaha Elahi, MD	**Keith Rose, MD**
David Feldman, MD	**James Salonia, MD**
Carleen Graham, MSN, RN, PhD(c)	**Migdalia Saloum, MD**
Elizabeth Horsley, MS, CHSE	**Fernando Salvetti**
Daniel Katz, MD	**Eda Ozkara San, PhD, MBA, RN**
Brian Kaufman, MD	**Barbara Sierra, BS**
Pat Kischak, RN, MBA	**Andre Sotelo, MD**
Susannah Kurtz, MD, CHSE	**Christopher Strother, MD**
Jared Kutzin, DNP, MPH, RN, FSSH	**Shelise Valentine, MSN, RN, C-EFM**
Adam Levine, MD	**Daniel Wasser, MD**

AGENDA

7:45—8:15 AM   CHECK-IN AND BREAKFAST

WELCOME…………..**Joseph Mathew MD,**
              Medical Director, Center for Advanced Medical Simulation (CAMS)
              Mount Sinai West (MSW) & Mount Sinai St. Luke's (MSSL)
PROGRAM
PRESIDERS…………**Joseph Mathew, MD**, Medical Director, MSW-MSSL CAMS
              Priscilla V. Loanzon EdD, RN, CHSE Director, Simulation Education, CAMS

8:30 – 9: 15 AM   Plenary Session 1: The Best of Times: Simulation then & now
              Daniel Raemer, PhD (Harvard Center for Medical Simulation, MA)

9:15 - 10:00 AM   Plenary Session 2: Augmented Reality & Virtual Reality in Healthcare Education
              Steven Feiner, PhD (Columbia University Department of Computer Science, NY)

10:00—11:00 AM INNOVATIONS IN SIMULATION PROGRAMS

Moderator: **Adam Levine, MD,**
Director, HELPS Simulation Center & Anesthesia Residency, Mount Sinai Hospital, NY

- *Prone ventilation for severe ARDS A high-fidelity simulation pilot program for training an interprofessional Critical Care Team*
    Bashar Mourad, MD (NYU Langone) & **Jessica Montarano, BSN, RN** (Mount Sinai St. Luke's, NY)

- *Creating a simulation-based course to teach optimal management of potential lung donor*
    Anthony Andriotis, MD, Brian Kaufman, MD, & Luis F. Angel, MD (NYU Langone Health, NY)

- *Derivation of a process for optimal cardiac arrest mechanical chest compression device application using simulation*
    Timothy Palmieri, MD; Daniel Rolston, MD; Tiffany Moadel, MD; Timmy Li, PhD; Codrin Nemes, MD ,PhD; Michael Cassara, DO ,MSEd (Northshore University Hospital, NY)

- *Effect of the diverse SP simulation (DSPS) cultural competence education strategy on nursing students' transcultural self-efficacy perceptions*
    Eda Ozkara San, PhD, MBA, RN (Pace University, NY)

- *Validation of a Simulation Based Rapid Sequence Intubation Assessment Tool*
    Pardeep Thandi, MD (Brooklyn Hospital, NY) **and Thomas Nowicki** (CESI, Hartford Hospital , CT)

Guest Panelist: **David Feldman, MD**, Vice-President & Chief Medical Officer, FOJP/HIC

11:00 — 11:15 AM Break/Exhibit

11: 15—12: 15 PM SIMULATION SPOTLIGHTS

Moderator: **Jared Kutzin, DNP, RN**, Kutzin Consulting Group, NY

- *One simulation center's battle against the opioid epidemic*
    Kellie Bryant, DNP, RN (Columbia University School of Nursing, NY)

- *One for the ages: Long term knowledge and skill retention*
  Susannah Kurtz, MD (Mount Sinai West); **Sonia Ahmed, MD; Ayesha Malik, MD,** and
  Gabriela Bambrick- Santoyo, MD (Hackensack UMC/Mountainside Hospital NJ)

- *Impact of interprofessional simulation on implicit stereotypes of the "other" discipline*

  Carleen Graham PhD (c), Phillips School of Nursing (PSON),
  Joana Velasquez, MSD, RN CORN (PSON),
  Staci Leisman, MD & Elvera Baron, MD (Icahn School of Medicine Mount Sinai Hospital);
  Dafina Naydenova, MS, RN (PSON) **& Todd Ambrosia, PhD, RN** (PSON)

- *Role of simulation in transitioning MSH interventional radiology from phase II to phase I level of care unit*
  to enhance patient throughout
  Cynthia Boado, MS, RN; Nancy Lamberson, MSN, RN & Dawn Scasserra, BSN, RN
  (Mount Sinai Hospital, NY)

- *Shoulder dystocia and vacuum deliveries*
  Peter Bernstein, MD & Shelise Valentine, MS, RN (Montefiore Medical Center, NY)

Guest Panelist: **Pat Kischak, RN, MBA,** Vice-President & Chief Nursing Officer, FOJP/HIC

12:15—1:00 PM Lunch/Exhibit

1: 00—2:15 PM VISION FOR THE FUTURE & MORE

Moderator: **Kellie Bryant, DNP, RN** (Columbia University School of Nursing, NY)

- *From CT to 3-D: Revolutionizing airway training with a 3-D printer*
  Nubaha Elahi, MD (Maimonides Medical Center, NY)

- *A practical guide to virtual reality*
  Daniel Katz, MD (Mount Sinai Hospital, NY)

- *Improving pediatric acute care through simulation (ImPACTS)*
  Ambika Bhatnagar, MBBS; Isabel T. Gross, MD & Marc A. Auerbach, MD
  (Yale University School of Medicine, CT)

- *Identifying jerseys improve directed commands and teamwork during simulated emergencies*
  Galina Glazman-Kuczaj, MD (Montefiore Medical Center, NY)

- *Dissecting the potential of augmented reality*
  Zachary Milligan (Columbia University Jaharis Simulation Center, NY)

- *Nursing competency program using simulation*
  Aga DeCastro, MD (Hartford Hospital, CT)

Breakout Sessions Overview

Each breakout session reflects the symposium theme *The Evolution of Healthcare Simulation* and the three content categories: *Innovations in simulation programs, SimSpotlights, and Vision for the future and more. You may* select from six different tracks. To guide you in selecting your session, match your simulation subject of interest with the brief description and learning objectives for each track. Enjoy an immersive simulation learning experience from any of the tracks.

Track 1   *Advancing your career in simulation*
Location: 14th Floor Board Room

Facilitators: Dan Raemer, PhD (Harvard Center for Medical Simulation, MA)
                 Adam Levine, MD (Mount Sinai Hospital Icahn School of Medicine, NY)
                  Jared Kutzin, DNP (Kutzin Consulting Group, NY)

Description: Three renowned leaders from the simulation community will share their expert advice to help you in designing a career path in simulation – opportunities, challenges, and keys to success.

Learning Objectives: At the end of this breakout session, you will be able to:
1) Define your career goals in simulation for the next 5 years. (opportunities and challenges)
2) Use expert advice in planning to meet your career goals in simulation. (keys to success)
3) Create your dream simulation career map. (making a difference)

Track 2   *Academic & hospital-based nursing simulation models*
Location: 10th Floor 10-B Room 05 Cardiology Conference Room

Facilitators: Priscilla Loanzon, EdD, RN, CHSE (Mount Sinai West)
                  Patricia Myers, MS, CHSE (Pace University)
                  Kellie Bryant, DNP, CHSE (Columbia University)

Description: A group of dynamic leaders in simulation provides a rich discussion in building, designing, and growing hospital and academic simulation-based education models.

Learning Objectives: At the end of this breakout session, you will be able to:
1) Examine quality and affordable hospital and or academic simulation-based education models.
2) Describe strategies to build new centers, redesign existing ones, and grow a simulation center.
3) Discuss a systematic approach for simulation curriculum integration (academe) and systems integration (healthcare facilities).

Track 3   *The Nuts and Bolts of Simulation*
Location: Mara Conference Room – 3rd Floor Department of Pulmonary Medicine

Facilitators: Elizabeth Horsley, MS, RN, CHSE (The Brooklyn Hospital)
           Gabriela Bambrick-Santoyo, MD (Mountainside Medical Center, NJ)

Description: This session is a vibrant exchange of basics and practical ideas about the different types of simulation modalities, the art and science of simulation, case development and programming, running simulation sessions, administration of the scenarios, assessment and evaluation surveys development and administration, debriefing learners after simulations, and providing constructive feedback, monitoring and promoting safety in healthcare, and introduction to administration of a simulation program.

Learning Objectives: At the end of this breakout session, you will be able to
1) Explain the dynamic components of a simulation-based education course/session.
2) Apply the practical and creative approaches of managing a simulation-based education session.
3) Create a practical model "one-step" at a time for managing simple to complex sessions.

Track 4   *Simulation in UME & GME*
Location: Doctors' Dining Room 1st Floor

Facilitators: Keith Rose, MD (Mount Sinai West)
           Susannah Kurtz, MD (Mount Sinai West)
           Christopher Strother, MD (Mount Sinai Hospital)
           Bryan Mahoney, MD (Mount Sinai West)

Description: A facilitated open discussion of weaving the six core competencies of ACGME in simulation-based education in undergraduate medical education (UME) and graduate medical education (GME). The three interconnected highpoints of medical education and practice include excellence in care, professionalism, and advancements of the practice of medicine. Three exemplars are presented:
1) simulation in undergraduate medical education (C. Strother); 2) leveling a GME three-year curriculum (K. Rose & S. Kurtz) and; 3) AGME driven simulation case development (B. Mahoney)

Learning Objectives: At the end of this breakout session, you will be able to:
1) Integrate the six core competencies of AGME in simulation-based education.
2) Incorporate the principles of curriculum leveling when designing longitudinal curriculum.
3) Use simulation to achieve maximum desired outcomes in patient care and medical education.

Track 5   LearnOn: CAMS open lab hands-on immersive simulation learning experience

Overview: Introducing CAMS "LearnOn", a simulation-based learning model that encourages novice and advanced learners to "show, tell, and reflect" on their own learning style, their learning needs, and create their own immersive learning experiences through blending of self-directed learning and partnership with a simulation facilitator.

A. Incorporating point-of-care ultrasound into simulation
   Location: 8th Floor CAMS Lab 1 8 A—84

   Facilitator: Brian Kaufman, MD (NYU Langone Health)
   Description: This LearnOn Open lab session has 2 stations that will provide participants with a hands-on approach to the use of US through simulated US technology. One station will be in the setting of a high fidelity simulation and the other as a module, discovering the simulated patient pathologies, performed on a task trainer. The session will span 50 min and allot for 8-10 participants.

   Focused Learning Objective: Demonstrate the use of portable USG as a bedside procedure for diagnostic and therapeutic purposes

B. Optimizing ventilator mechanics during simulation
   Location: Location: 8th Floor CAMS Lab 2 8 C– 01

   Facilitators: Anthony Andriotis, MD (NYU Langone Health) and James Salonia (MD) (Mount Sinai West)
   Description: This LearnOn Open lab session has 1 station that will provide participants with a hands-on approach to ventilator management through the use of simulated lung technology in the setting of a high fidelity simulation. The session will span 20-25 min and allot for 4- 6 participants. A learner can sign up for and rotate at another station.

   Focused Learning Objective: Apply optimal ventilator mechanics in managing simulated respiratory conditions with variable levels of severity

C. Bronchoscopy simulator
   Location: 8 G-40 CAMS Training Arcade

   Facilitator: Andre Sotelo, MD (Mount Sinai West)
   Description: This LearnOn Open lab session has 1 station that will provide participants with a hands-on approach to bronchoscopy through the use of a VR bronchoscopy simulator. The session will span 20-25 minutes and allot for 4- 6 participants. A learner can sign up for and rotate at another station.

   Focused Learning Objective: Become familiar with bronchoscopy including bronchoalveolar lavage (BAL), transbronchial needle aspiration (TBNA), and endobronchial sampling through simulated patient Pathologies

D. Virtual reality (VR) in healthcare simulations
   Location: 8th Floor CAMS –ICU Conference Room 8 A -13

   Facilitator: Daniel Katz, MD (Mount Sinai Hospital)
   Description: This LearnOn Open lab session has 1 station that will introduce participants to the various VR technologies that are available for use in a simulated clinical environment. The session will span 20-25 min and allot for 4- 6 participants. A learner can sign up for and rotate at another station.

Track 6   ***Augmented reality (AR) and virtual reality (VR)***

This LearnOn Open lab session provides opportunities for the learners to select from the following simulation lab-based immersive learning experiences: 8-10 participants per simulator per 20-25 minutes. A learner can sign up for and rotate at two different AR/VR stations.

A.   ***Uses of AR and VR in medsim***
Location: 8 C -21

Facilitator: Fernando Salvetti (Logosnet Research Project)

Focused Learning Objective: Demonstrate the applications of AR and VR in medical simulation using the following exemplars: interactive walls, holograms, and full interactive visualization.

B.   ***Custom Virtual Trainer Development Project***
Location: 8th floor Room CAMS 8 A-84 A Debriefing Room

Facilitator: Daniel Wasser, MD (Photon biomedical)
A brief overview of AR/VR and its general applications in simulation and medical education is presented. The focus will be on the "nuts and bolts" of integrating this technology in a real-world setting that can be customized to meet the unique needs of an institution. Example demo projects will be shown to highlight best practices and the current state of the technology.

Learning objective: The attendees will be able to apply best practices of integrating AR/VR technology in simulation-based medical education programs.

3:30 – 3:45 AM	Breaks and Exhibits
3:45 - 4:45 PM	SIMWARS© COMPETITION
	Judges: Patricia Myers, MS, CHSE; Christopher Strother, MD; Dan Raemer, PhD
	Moderators: Susannah Kurtz, MD, Joshua McHugh, MD, Migdalia Saloum, MD
	Planners: Nick Pakzad, MD, Di Pan, DO, Barbara Sierra, BS
4:45— 5:00 PM	Closing Remarks
	Priscilla Loanzon, EdD and Joseph Mathew, MD
5:00 - 6:00 PM	NETWORKING RECEPTION
	Location: 14th Floor Board Room

COURSE EVALUATION ▪ CME CERTIFICATE

Your comments are essential for improving the effectiveness of Icahn School of Medicine at Mount Sinai's continuing medical education activities. The instructions to complete the CME conference evaluation and to download your CME Certificate are below:
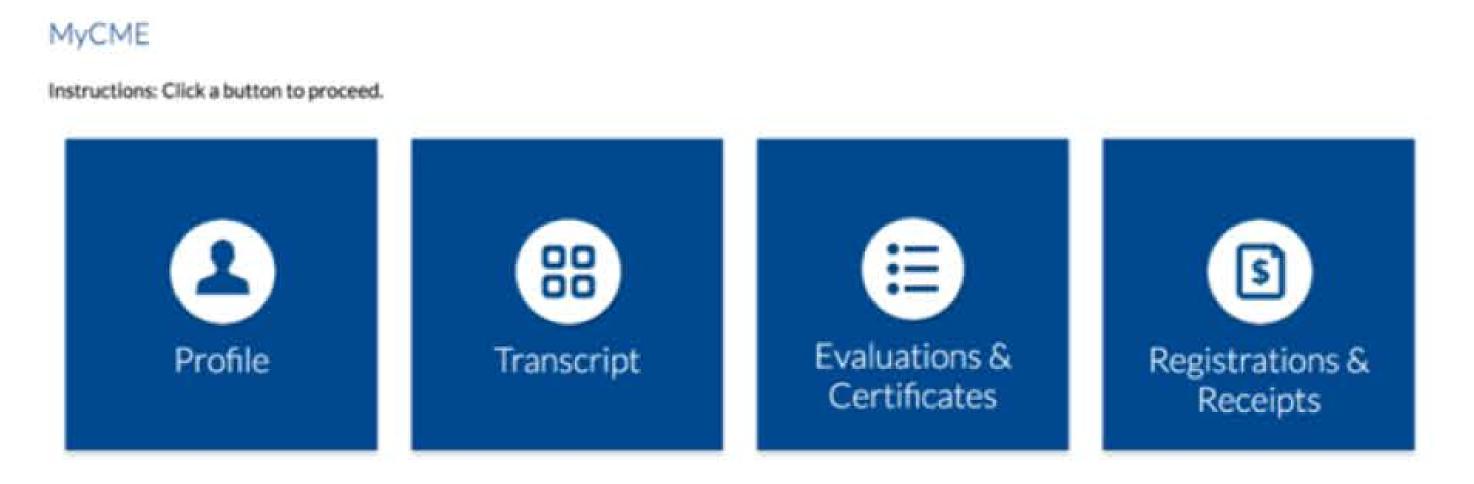
Step 1:   Visit our CME website at https://mssm.cloud-cme.com

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Step 5:   Click "**Evaluations and Certificates**" - this will allow you to view evaluations that need to be completed or download your certificate for activities you have already completed

Verification of Attendance will be provided to all professionals.

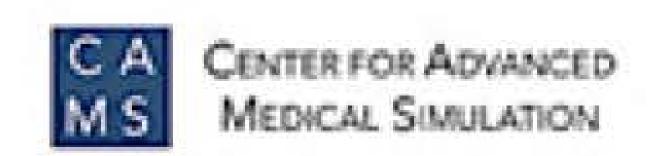**If you have issues attaining your CME Certificate, please email cme@mssm.edu**

CEU CERTIFICATE

CEU certificates will be distributed at the end of the event.

ACKNOWLEDGMENTS AND SPECIAL THANKS

This activity is made possible in part by support from the following exhibitors:

B Line Medical, LLC

Gaumard Scientific

Hospitals Insurance Co.

2018 Planning Committee

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Susannah Kurtz, MD, CHSE, Critical Care Medicine, Co-Director, Simulation Fellowship

Joshua McHugh, MD, Emergency Medicine, Co-Director, Simulation Fellowship

Keith Rose, MD, Associate Director, CAMS, Director ICU Mount Sinai West

Andre Sotelo, MD, Associate Director, CAMS, Pulmonary & Critical Care

James Salonia, MD, Simulation Faculty, Pulmonary & Critical Care

Di Pan, MD, Simulation Fellow, CAMS; Attending, Division of Hospitalist Medicine

Nick Pakzad, MD, Simulation Fellow, Pulmonary & Critical Care

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