



Center for Advanced Pediatric and Perinatal Education

Since we opened our doors in 2002, we have developed professional and personal relationships with you and many other wonderful colleagues around the U.S. and the world. This is one way that our team can stay connected, keeping you up to date with CAPE's ongoing contributions to pediatric and obstetric simulation, innovation, and research.

Fall 2021



Happy 19th Anniversary, CAPE!

On November 4, CAPE celebrated 19 years of being the world's first simulation-based training and research center dedicated to the fetal, neonatal, pediatric, and obstetric

sciences. CAPE continues to offer multiple training programs, in-person and online, for a variety of healthcare professionals. Connect with us at contactcape@stanford.edu to learn more about our [programs](#) and how training can be customized to meet your group's interest and goals.

The CAPE team looks forward to advancing its vision and mission and celebrating its 20th year (and beyond) as a pioneer in pediatric and obstetric simulation.



The Return of In-Person Training

While serving as the primary laboratory for a federal research grant (In Situ Simulation of Neonatal Resuscitation to Improve Team Performance and Clinical Outcomes, National Institutes of Health, Project Number 5R01HD087425-05, PI: Henry Lee, M.D.) our team investigated the feasibility of participation with an interactive online training program in the CAPE method of debriefing and its effect on performance during subsequent face-to-face training. We found that such preparation led to enhanced acquisition of the strategies and tactics espoused in the program and allowed teams to perform at a higher level when they came to CAPE and practiced debriefing.

Based on this experience, CAPE is excited to announce a hybrid [Simulation Instructor Program](#) scheduled for May 16-18, 2022. Attendance at this program will require successful completion of the [Online Debriefing Program](#) prior to arrival at CAPE. The combination of self-paced, online learning with three days of immersive in-

person training in debriefing is powerful and accelerates skill uptake. This hybrid program will be offered at a discounted rate! [Fill out an application](#) today and come join CAPE for one of the first face-to-face programs of 2022. Team attendance is highly recommended.

Hybrid [Simulation Instructor Programs](#) are a new option available at CAPE. To learn more, please email contactcape@stanford.edu.

[*Watch this free webinar for an introduction to CAPE's current online offering "Strategies for Debriefing Healthcare Scenarios"*](#)



The Inaugural Lou Halamek Excellence in Pediatric Simulation Award

The [American Academy of Pediatrics](#) presented Lou Halamek, MD with the "Inaugural Lou Halamek Excellence in Pediatric Simulation Award" on October 26. This distinguished service award honors Dr. Halamek's dedication, profound impact, and legacy in improving safety, efficiency, and effectiveness in the care of newborns and mothers through groundbreaking work and advocacy in neonatal/pediatric and obstetric simulation.



New Research: Neonatal Epinephrine Innovation

This fall, the CAPE team (Drs. Janene Fuerch, Nicole Yamada, Hannah Gu, Rodrigo Galindo and Kim Yaeger) along with Dr. Bill Rhine and Juliana Perl tested an innovative new device and method for more rapid neonatal epinephrine administration.

Dosing errors and delays in administration of epinephrine using the standard epinephrine ampule are common in the time-pressured, high risk, low frequency circumstances of neonatal resuscitation. In this study, we compared the use of novel pre-filled epinephrine syringes with that of the standard ampule packaging of 1:10,000 concentration during simulated neonatal resuscitation. We hypothesized that the use of pre-filled epinephrine syringes will decrease medication dosing errors and decrease the time to administration when compared with the standard ampule dosing. We look forward to presenting the results of this research in the near future.

CAPE is excited to continue collaborative work to better improve healthcare and patient outcomes. A special thank you to all the NICU nurses who took time to participate in this study.



New Sim Specialists at CAPE

CAPE is excited to announce the addition of three Simulation Specialists to our team: Diana Powell RN, Cheryl Vistnes RN, MSN, and Kim Yaeger, RN, MEd.

Simulation Specialists play a critical role for CAPE programs. These individuals are responsible for planning and managing comprehensive simulation-based training for groups within Stanford and additional programs for other institutions. Welcome to the team, Diana, Cheryl, and Kim!

[Click here](#) to read more about CAPE's Sim Specialists and the rest of the team.



ECMOSim at CAPE

On September 24, CAPE hosted an ECMOSim program, which provided neonatology

fellows and nurses from the LPCH NICU with a full-day opportunity to experience 15 realistic emergencies involving both the circuit and the patient. Due to the high risk / low frequency of ECMO, these simulations and debriefings are paramount to maintaining and optimizing skillsets that facilitate expedient mitigation of clinical decompensation in ECMO patients and potentially life-threatening ECMO circuit emergencies.



CAPE Winter Closure

In observance with the University's winter closure, CAPE will be closed for the holidays from December 20-31, 2021 and will reopen on January 3, 2022.

Why We Exist

Our Vision

A world in which all people receive the safest, most efficient and effective healthcare possible.

Our Mission

To lead the innovation and dissemination of novel methods for improving human and system performance in the delivery of healthcare.

**For the latest updates on all things CAPE, connect with us
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