



Center for Advanced Pediatric and Perinatal Education

Spring 2019  
Newsletter

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Welcome to the CAPE Newsletter. Since we opened our doors in 2002, we've 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 in touch with you, keeping you up-to-date with what's happening in pediatric and obstetric simulation.

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## **New Online Program**

### **Strategies for Debriefing Healthcare Scenarios**

Healthcare professionals work in complex, high-risk environments where safety is paramount and human lives are at stake. Rigorous training and objective assessment, if done well, are proven methods for optimizing team performance and improving the quality of care. Yet providing your healthcare staff with constructive ways to learn from mistakes can be challenging.

In this new online course, you will master the art of debriefing, one of the most effective strategies for empowering healthcare professionals to deliver safe, high-quality patient care. You will learn to lead your team to reflect objectively on past performance and work collaboratively to improve outcomes. You will discover how successful debriefing can transform teams and practice. The opportunity for CME credit is coming soon!

## Learn to:

- Lead productive debriefings that support learning and improved patient outcomes
- Identify area for improvement in a constructive, nonjudgemental manner
- Objectively monitor the effectiveness of your own debriefings over time

[CLICK HERE TO ENROLL](#)

## Upcoming Events at CAPE



### *Simulation Instructor Program May 13-15*

CAPE's Simulation Instructor Program challenges professionals to design and deliver highly effective training programs for their own hospitals, clinics or education centers.

[Click here to apply »](#)

## Latest News



## What NASA Can Teach Health Care About Healthy Critiquing

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"The use of simulation and debriefing, if done well, has tremendous potential to revolutionize health care." ~[Louis Halamek, MD](#). Come check out our founder's thoughts on principles used in NASA and how they can be applied in healthcare: [Read full article on Op-Med](#).



## Pediatric Innovation Showcase

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Our faculty is comprised of highly talented clinicians who are active and committed to advancing many aspects of neonatal and pediatric health via their involvement not only at [CAPE](#), but at [Stanford Children's Health - Lucile Packard Children's Hospital Stanford](#), [Stanford Biodesign](#), and beyond. [Read More »](#)



## [Understanding the Heterogeneity of Labor and Delivery Units: Using Design Thinking Methodology to Assess Environmental Factors that Contribute to Safety in Childbirth.](#)

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How can the design of labor and delivery units impact maternal and neonatal care?

In a recently published article co-authored and supported by several members of faculty and partners of [CAPE](#), Jules Sherman, MFA, Henry Lee, MD, Lillian Sie, MPH, Louis Halamek, MD, et al., utilized design thinking methodology to examine the relationship between labor and delivery unit design and safety at 10 facilities in California. [Read abstract on PubMed](#).

# Collaborations



**2019 First Annual  
Team Science and Team  
Communication Symposium**

[CAPE](#), alongside fellow [Stanford Medicine](#) and [Stanford Children's Health - Lucile Packard Children's Hospital Stanford](#) partners, presented at the first annual symposium entitled, “Team Science and Team Communication.” Janene Fuerch (Hogan), MD, Louis Halamek, MD, and Nicole Yamada, MD led an interactive session in “Debriefing the Debriefing,” which covered strategies in providing effective human and system performance debriefings in healthcare simulation. [Read More »](#)



**CPQCC launched Simulation  
Success in collaboration with CAPE**

The [CPQCC](#) Program launched Simulating Success in collaboration with [CAPE](#) to help NICUs in California and Oregon implement simulation-based neonatal resuscitation training programs at their hospitals with the goal of improving resuscitation team performance during preterm and term. [Read More »](#)

# Presentations

# IPSSW2019

11th International Pediatric Simulation Symposia and Workshops

TORONTO CANADA | 20 - 22 MAY



*Global Learning. Global Leading.*

## IPSSW Speakers



### [Nicole Yamada, MD](#)

**Title: Effect of bed height on the biomechanics of healthcare professionals during neonatal resuscitation**

**Date: May 20, 2019**

How does the positioning of the infant bed influence the working posture and spinal loading in healthcare professionals (HCPs) when performing intubation and chest compressions during neonatal resuscitation? The design of current medical equipment is largely industry-driven with little input from end users. In the context of time-pressured and emergency care such as resuscitation, the needs of the HCPs responsible for performing life-saving procedures are particularly important in order to facilitate the provision of safe and efficient patient care.

In this research presentation, Dr. Yamada will present the findings of her master's thesis in human factors and ergonomics. This study is among the first to examine the needs and challenges faced by neonatal HCPs as presented by their working environment. This study also demonstrates the use of simulation-based research as a methodology to investigate system weaknesses and examine human factors-based solutions.



## [Janene Hillary Fuerch, MD](#)

**Title: Avoiding common debriefing pitfalls: How to say the right thing at the right time**

**Date: May 22, 2019**

In our team's 10+ year experience with training simulation instructors, a common challenge for many debriefers of all skill levels is facilitating debriefings that lead to an understanding of the root causes underlying the team's performance – whether negative or positive – and developing strategies to improve patient care in the future. A debriefing that superficially reviews team performance is easier for the debriefer, but less valuable for the debriefees. This highly interactive workshop will empower debriefers to elicit deeper analyses, uncover root causes, and help their debriefees develop solutions to improve or reinforce team performance in the future. Through the use of video exemplars and multiple opportunities for small group discussion, participants will learn specific questions to “drill down” on team performance as well as concrete methods for increasing the engagement of their debriefees during their debriefings.



## [Louis Halamek, MD](#)

**Title: Debriefing Effectively Without Using the "F"**

**Word: a Cross-industry Interactive Workshop**

**Date: May 21, 2019**

CAPE's founding director, Lou Halamek, MD, will lead “How to Debrief Effectively Without Using the “F” Word: A Cross-Industry Interactive Workshop” at IPSSW. In addition to Dr. Halamek, this workshop will feature:

- Michael R. Sterling, BS (Aerospace Engineering), Johnson Space Center, National Aeronautics and Space Administration, Houston, Texas
- Robert Cady, ARM-E, PMP, US Navy (Ret), Washington, DC
- Jared W. Henricksen, MD, Associate Professor, Department of Pediatrics, University of Utah, Salt Lake City, Utah

Panel members will discuss the use of debriefing in their professions (aviation, military, aerospace, risk management and healthcare), citing examples from their own careers in high-consequence industries. These professionals use methods that differ from approaches historically used in healthcare. The goal of this workshop is to heighten awareness in attendees of the major differences between healthcare and other high-risk industries in the way that debriefings are conducted.

## Why We Exist?

### **Our Vision**

A healthcare system where simulation-based training and research are integral components.

### **Our Mission**

To innovate, validate and disseminate simulation-based training and research programs that improve the safety, efficiency and effectiveness of patient care worldwide.



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*Stanford University, Division of Neonatal and Developmental Medicine  
Department of Pediatrics, CAPE*

Questions or feedback please contact us at [contactcape@stanford.edu](mailto:contactcape@stanford.edu)

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